Associated Engineering | 75 YEARS

REPORT

City of Guelph

Natural Assets Inventory Review and Valuation Hanlon Creek Subwatershed

JANUARY 2022

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1 INTRODUCTION

Associated Engineering Ltd. (Associated) has been retained by the City of Guelph (City) as part of a multi-disciplinary team lead by Green Analytics to prepare Stormwater Management (SWM) hydrologic modeling and analysis of the Hanlon Creek subwatershed to inform valuation of the water management services provided by the natural areas in the subwatershed, and to allow for a comparison to the estimated costs of replacing these ecosystem services with engineered stormwater management facilities.

The Hanlon Creek subwatershed includes residential, commercial and institutional development as well as parts of the City's Natural Heritage System (NHS) which includes a network of wetlands (including swamps, which are wooded wetlands), upland woodlands and successional meadows and thickets. These natural areas have been identified as contributing to the City's groundwater supply and source water protection, as well as providing a range of other ecological services including stormwater management. Despite this vital role, these natural assets have not, to date, been valued from an asset management perspective in the City. The intent of this component of the project was to use this subwatershed as a pilot that could ultimately serve as a "template" for stormwater valuation of other natural assets across the City.

1.1 Purpose and Background

The purpose of this component of the City's first valuation project was to gain a better understanding of the current and future value of the natural assets in the Hanlon Creek subwatershed from a stormwater management perspective. This study uses stormwater management modeling to:

(a) apply a value to the natural assets by estimating the levels of services they provide, and
(b) replicate those services with engineered solutions for which current costs are readily available.

This pilot study will be the first of its kind for the City and a stepping stone to further asset valuation studies which are expected to enhance the City's asset management program and allow for more informed decision-making regarding protection and management of the City's natural assets. There have been very few studies of this kind done, particularly in Ontario and of this scale. This study may also serve as an example for other municipalities as they work to integrate natural assets into their asset management programs.

1.2 Study Area

The Hanlon Creek subwatershed is located within the southern quadrant of the City of Guelph and covers a land area of approximately 17 km^2. **Figure 1-1** shows the location of the Hanlon Creek subwatershed in relation to the City of Guelph. The watershed has a large inter-connected wetland surrounded by residential and commercial developments, and several smaller wetlands associated with contributing tributaries. In general, these wetlands accept drainage from the adjacent developed lands and provide flood mitigation through water attenuation and evaporation, water quality treatment benefits and groundwater recharge through detention of stormwater runoff.

The Hanlon Creek subwatershed flows in a westerly direction and is a tributary of the Speed River, with the confluence point immediately north of the Niska Road bridge. The subwatershed is under the regulatory jurisdiction of the Grand River Conservation Authority (GRCA), who have identified this watercourse as a sensitive cold water fishery subject to several natural heritage studies and monitoring.

The non-natural (i.e., developed) land surrounding the natural assets consists of primarily residential development, with industrial development area along Hwy 6 (Hanlon Parkway). These developments are recent enough (<20-30 years) that stormwater management facilities have been installed for nearly all the developed lands outside the NHS, thereby attenuating and treating surface water flows from the developed areas before they flow into the NHS.

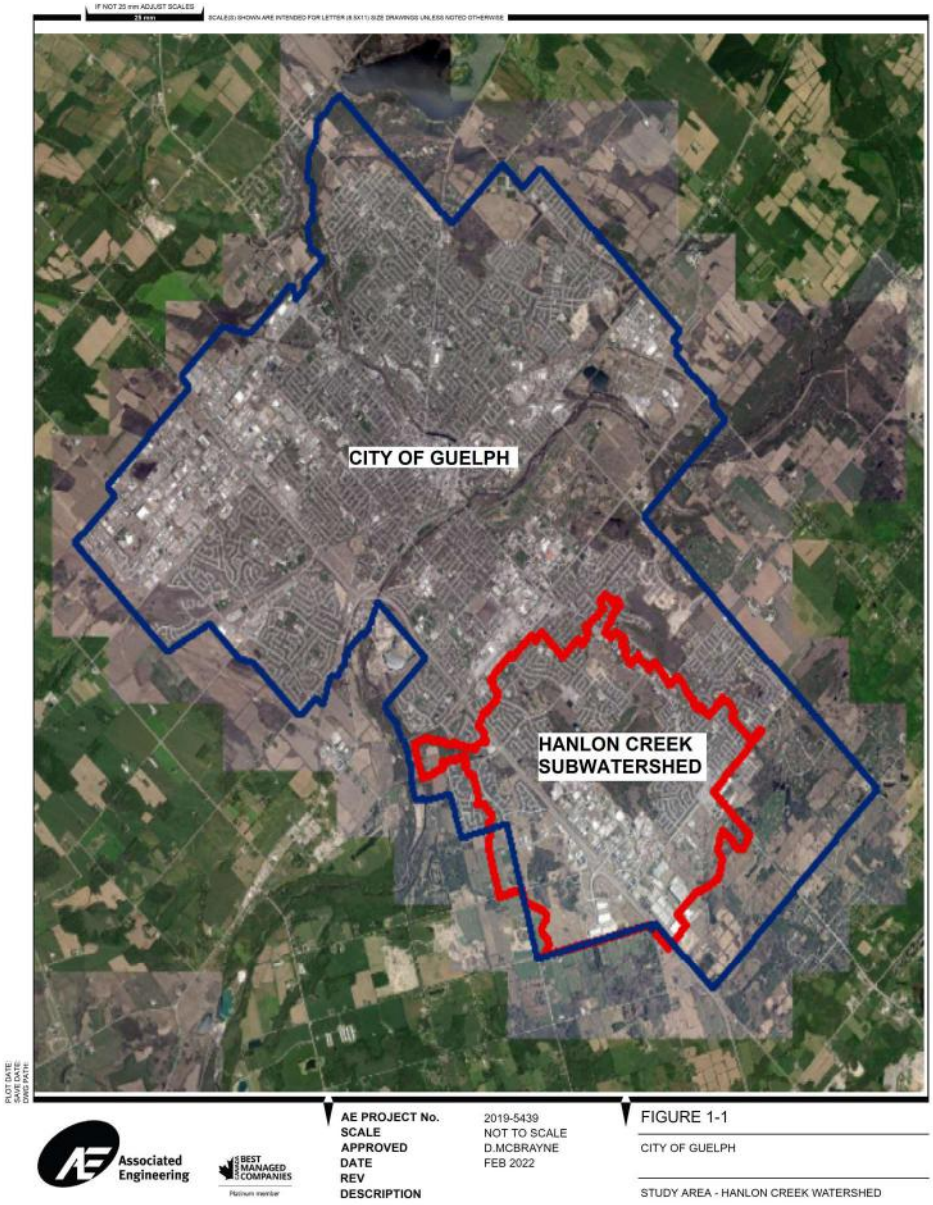


Figure 1-1 The Location of the Hanlon Creek Subwatershed

2 MODELLING

2.1 Model Selection

PCSWMM was selected as the hydrologic model because it can accurately simulate rainfall/runoff processes using the SWMM engine. The SWMM engine was developed in 1971 by Environmental Protection Agency (EPA) for use in it's publicly available hydrologic model, EPA SWMM. EPA SWMM is capable of accurately simulating rainfall runoff processes including runoff volume, peak runoff and water quality in complex environments. The software has a flexible set of infiltration and hydraulic equations used for calculating runoff and routing drainage networks. The rainfall input can range from single design storms to long term continuous simulations. Recently, SWMM version 5.0, (SWMM 5.0) added a low impact development (LID) module capable of simulating the rainfall runoff process on single or grouped LID measures.

PCSWMM is a model that improves on the EPA SWMM by providing a spatial interface, a large assortment of tools, and the ability to graph and interact with results. Using the latest SWMM 5.0 engine, PCSWMM provides a GIS environment that supports input of ESRI shapefiles, CAD drawings, HEC RAS data and many more data types for input into a large assortment of projected coordinate systems. The software allows for automated watershed delineation, automated setting of the outlets, calculation of subcatchment flow length and width, and many more tools that reduce time spent creating the model. After being run, the results of multiple parameters of multiple subcatchments can be compared visually on graphs or statistically through the results table.

2.2 Stormwater Infrastructure Assumptions

Typical stormwater management infrastructure was assumed to achieve the basic stormwater management functions and services that are currently provided by the natural assets. They were designed to reduce peak flow and increase infiltration to match the existing model (Scenario 1). A simple stormwater management (SWM) pond design was used to mimic the peak flow reduction of the wetland storage units. The LID units were designed as a bio-retention cell that can match the infiltration quantities of Scenario 1.

A typical bio-retention cell was selected as the LID unit to be modelled. In PCSWMM, a bio-retention cell is modeled with three layers. The surface layer collects rainfall and runoff and loses water through evaporation, overflow/flooding and infiltration into the soil layer. The soil layer is an engineered soil mix with a high infiltration capacity to support vegetation. The soil layer receives water from infiltration and loses water to percolation to the storage layer. The storage layer is composed of stone to store percolated water. The water leaves through infiltration into the native soil or through an underdrain.

The bio-retention cell was designed using recommended parameters from the CVC/TRCA LID design manual. The parameters can be found in **Table 2-1:**

Table 2-1
LID Bioretention Recommended Parameters

Surface		Soil		Storage	
Parameter	Value	Parameter	Value	Parameter	Value
Berm Height (mm)	150	Thickness (mm)	1000	Thickness (mm)	250
Vegetation Volume	0.5	Porosity	0.45	Voids Ratio	0.4
Surface Roughness	0.1	Field Capacity	0.12	Seepage Rate (mm/hr)	7
Surface Slope (%)	2.6	Wilting Point	0.06	Clogging Factor	0
		Conductivity (mm/hr)	220		
		Conductivity Slope	45		
		Suction Head (mm)	55		

For the surface layer, the value for the berm height represents the ponding depth on top of the LID. It was assumed the LID unit would be surrounded by a typical curb. The vegetation volume and surface roughness represent the amount of vegetation and the Manning's N and are dependant on each other (as vegetation volume increases surface roughness increases). Typical values were used for a bio-retention cell. The surface slope is set at the minimum slope for a catchment.

It was assumed for the soil layer that a typical engineering soil mix with high infiltration rates was used in this layer. The values for the thickness, porosity, field capacity, wilting point, conductivity, conductivity slope and suction were all extracted from the suggested values from the LID Design Manual, which are based on published literature for an engineered soil mix.

The storage layer was assumed to be a layer of stone. The thickness was set to the minimum thickness suggested by the LID Design manual at 250 mm. The voids ratio represents a typical void ratio for stone. The seepage rate represents the native soil infiltration rate and an average infiltration rate of 7 mm/hr was used (the infiltration for a Hydrologic Group D soil). The clogging factor was set to 0 as the LIDs were assumed to be recently constructed.

3 SCENARIO DEVELOPMENT

This section outlines the development of the PCSWMM model for ten scenarios. The PCSWMM model was developed in a scenario analysis to understand the stormwater benefits of the natural assets. The ten scenarios are:

- **Scenario 1 -** the existing conditions of the Hanlon Creek subwatershed with the natural assets distinguished separately into forest and wetland subcatchments.
- **Scenario 2 -** the forest subcatchments from Scenario 1 are replaced with a subcatchment that represents the surrounding impervious land-use.
- **Scenario 3 -** the wetland subcatchments from Scenario 1 are replaced with a subcatchment that represents the surrounding impervious land-use.
- **Scenario 4 -** stormwater infrastructure is added to Scenario 2 to match the infiltration and peak flow reduction achieved by the forest subcatchments in Scenario 1.
- **Scenario 5 -** stormwater infrastructure is added to Scenario 3 to match the infiltration and peak flow reduction achieved by the wetland subcatchments in Scenario 1.
- **Scenario 6** - Scenario 1 under climate change conditions.

- **Scenario 7** - Scenario 2 under climate change conditions.
- **Scenario 8** - Scenario 3 under climate change conditions.
- **Scenario 9** - Scenario 4 under climate change conditions.
- **Scenario 10** - Scenario 5 under climate change conditions.

For the purpose of the scenario development, the 100-year return period for the 12-hour AES (Atmospheric Environment Service) distribution was used in the PCSWMM model to run all the scenarios (with modification required for Scenario 6 to 10). The 100-year storm was used because it generates enough rainfall to maximize the infiltration capacity of the soil and fill the existing wetland storage units. The 100-year storm is also typically used to size stormwater infrastructure, which is useful in Scenario 4 and 5 for designing stormwater infrastructure to mimic the peak flow reduction and infiltration of the natural assets. The 100-year 12-hour AES storm event can be found in **Appendix E.**

3.1 Scenario 1

Scenario 1 represents the existing conditions of the Hanlon Creek subwatershed. The existing conditions model uses a combination of existing PCSWMM storm sewer models from the 2012 SWM Master Plan and a constructed model. The constructed model added new subcatchments to represent areas in the Hanlon Creek subwatershed not covered by the existing PCSWMM model such as natural assets, and more recently constructed development areas.. The new subcatchments were delineated based on aerial images (using major roadways as delineators) and topography.

The natural assets were defined from the new subcatchments using the land-use layer (provided by the City) and the wetland layer (provided by GRCA). If the area inside the new subcatchment was defined as a 'significant natural and natural area' by the land-use layer it was included in a natural asset. If the 'significant natural areas and natural areas' is defined as a wetland (i.e. lowlands such as wet forest, swamps and marsh) by the GRCA, it was delineated into a natural asset subcatchment named 'wetland'. . The remaining area that was classified as 'significant natural areas and natural areas' but not as .wetland was delineated into a natural asset subcatchment named 'forest', consisting of wooded uplands, thickets and meadows. All area not classified as 'significant natural and natural area' or wetland by the GRCA were identified as the new subcatchments created for the model. A figure showing the 'forest' and 'wetland' subcatchments is in **Appendix A.**

3.1.1 Parameterization

The parameters of the existing calibrated 2012 PCSWMM model were not changed when creating the new model. The parameters of the natural assets and the new subcatchments were defined using the data provided by the City of Guelph and the GRCA. The parameters and its' corresponding data sources are listed in **Table 3-1** while the raw data tables can be found in **Appendix A**

Table 3-1 Raw Data Sources

Parameters	Data	Type of Data	Source
Total Area (ha)	GIS	Shapefile	City of Guelph
Flow Length (m)	Estimated		
Slope (%)	Digital Elevation Model (DEM)	Shapefile	City of Guelph;

Parameters	Data	Type of Data	Source
Imperviousness (%)	Schedule2_LandUse; Table 5.5	Shapefile; Table	City of Guelph; 2012 SWM Master Plan
Infiltration rate (mm/hr)	Soil Layer	Shapefile	City of Guelph
Manning's N Impervious Area	Estimated		
Manning's N Pervious Area	Estimated		
Depression Storage – Impervious (mm)	Estimated		
Depression Storage – Pervious (mm)	Estimated		
Evapotranspiration (ET)	Water Balance SWM Report	Record SWM	City of Guelph Developments

The calculations applied to the data to produce the parameter values for the PCSWMM model for this study are summarized below:

- The total subwatershed area is 1700 ha or 17 km^2 and each subcatchment's area was calculated in GIS.
- The flow length of the subcatchment was estimated to be half the square root of the total area of the subcatchment ($\sqrt{A}$ / 2) to a maximum value of 100 m.
- The slope was calculated by converting the DEM to a slope raster and averaging the slope value across the subcatchment.
- The imperviousness was calculated by determining the area of each land-use type in a subcatchment and multiplying the impervious percentage by it's corresponding land-use type and dividing by the total subcatchment area (an area weighted approach).
- Similar to the calculation of the imperviousness, the infiltration rate was calculated by determining the area of each soil type, classifying that soil type between SCS Class AB to SCS Class C and multiplying the infiltration rate by the total amount of area in each soil class and dividing by the total subcatchment area (an area weighted approach).
- The Manning's N – Impervious Area was selected to match the Manning's N – Impervious Area from the subcatchments in the 2012 SWM Model.
- The Manning's N – Pervious Area was selected to match to the Manning's N – Pervious Area from the subcatchments in the 2012 SWM Model. The wetland natural asset subcatchments used a higher Manning's N of 0.35 to represent the heavy vegetation.
- The Depression Storage – Impervious was selected to match the Depression Storage - Impervious from the subcatchments in the 2012 SWM model.
- The Depression Storage – Pervious was selected to match the Depression Storage – Pervious from the subcatchments in the 2012 SWM model. The forest and wetland natural asset subcatchments used a higher depression storage of 7 mm to represent the additional storage provided in these areas.

3.1.2 Routing

The routing for the PCSWMM model was designed to mimic:

- the overland flow path of the runoff,
- the conveyance of the Hanlon Creek,
- the storage capacity of the wetlands.

The overland flow path of the runoff varied by land-use. For the new subcatchments that weren't delineated as natural assets (which have a primary residential, commercial or industrial land-use) it was assumed a stormwater management system (storm sewers, stormwater management ponds) captured the runoff and released it directly the Hanlon Creek. For forest natural asset subcatchments, it was assumed the runoff is routed to the nearest wetland natural asset subcatchment based on the topography. The runoff from the wetland natural asset subcatchment was drained to the Hanlon Creek.

The Hanlon Creek was represented as a channel (nodes and conduits) in PCSWMM. The channel was designed with a 2 m width, 3 m height, and 1:1 side slope to convey the 100-year storm. The invert elevations, slope and length of the channel were derived from the DEM and modified to ensure a minimum of 0.5% slope to prevent in-stream storage and backwater effects. A Manning's Roughness of 0.013 was selected to represent a vegetated channel with low sinuosity. The location of the channel was estimated using aerial imagery and was extended to reach all the wetland natural asset catchments (as they drain directly into the Hanlon Creek).

Each wetland natural asset catchment can store and infiltrate flow that overtop banks during major storm events. The storage was implemented as in-line storage unit in PCSWMM. An in-line storage unit receives flow from the channel and releases flow back into the channel at a lower flow rate during peak flow conditions. The difference between the inlet flow rate and the outlet flow rate is stored in the storage unit temporarily and released during lower flow conditions. The amount of storage in each storage unit is defined by the stage-storage curve. The stage-storage curve was calculated using GIS. The area of the wetland natural asset subcatchments were overlaid on the DEM and assigned a static elevation higher than the invert of the storage unit. The elevations assigned to the wetland area were increased at 0.5 m increments up to 3 m, and at each increment the volume between the DEM and the area of the wetland was calculated. The volumes at each 0.5 m increment were compiled into a stage storage curve for each storage unit (one storage unit for each wetland natural asset catchment) in the PCSWMM model.

The infiltration of flow that occurs in wetlands during major storm events was represented in the PCSWMM model by the cycling of flow back onto the wetland natural asset subcatchments. An overflow channel was added to the Hanlon Creek channel at every wetland storage unit at height of 0.6 m (approximately the flow depth during the 10-year AES storm) higher than the channel invert. The overflow channel represents the spilling of flow over the banks of the river onto the surrounding floodplain, therefore the channel was designed to allow an unlimited amount of flow pass through it. The overflow channel goes to an outfall node, which routes the flow onto the wetland natural asset subcatchment. The wetland natural asset subcatchment infiltrates the flow from the overflow channel and releases excess flow back to the Hanlon Creek (directly upstream of the in-line storage unit).

The routing for the subcatchments from the 2012 SWM Master Plan had major overland flow and minor system drainage that was modified to fit the PCSWMM model. The major system and stormwater controls were removed, and the minor system conduits were upsized to 2 m so they could convey the 100-year flow to the Hanlon Creek. The existing outfalls for the minor system were deleted and the flow was routed to the nearest node on the Hanlon Creek conduit.

3.2 Scenario 2

Scenario 2 represents the removal of the forest natural asset subcatchments and replacement with an adjacent land-use. The removal of the forest natural assets occurred on a replicated version of the **Scenario 1** model. The adjacent land-use was defined as subcatchments that share a common border with forest natural asset subcatchments. The wetland natural assets subcatchments that the forest natural asset subcatchments drain to were not considered an adjacent land-use even though they share a common border. **Table 3-2** provides a list of the forest natural asset subcatchment and the replacement adjacent subcatchment.

Table 3-2
Adjacent Subcatchment for Forest Subcatchments

Forest Subcatchment	Adjacent Subcatchment
A1.1_FRST	A1.1
A2.1_FRST	A2.1
A2.2_FRST	A2.2
A3.1_FRST	A3.1
A3.2_FRST	A3.2
A3.3_FRST	A3.3
A4.1_FRST	A4.1
A4.2_FRST	A4.2
A4.3_FRST	A4.3
A4.4_FRST	A4.1, A4.2, A4.3, A4.4, A4.5, A4.6
A4.5_FRST	A4.5
A4.6_FRST	A4.6
B1.1_FRST	B1.1
B2.1_FRST	B2.1
C1.1_FRST	C1.1
D1.1_FRST	D1.1
D2.1_FRST	D2.1
D4.1_FRST	D4.1
E1.1_FRST	E1.1
E2.1_FRST	E2.1

Forest Subcatchment	Adjacent Subcatchment
E3.1_FRST	E3.1

Notably, subcatchment A4.4_FRST is surrounded by wetland natural asset subcatchments so the parameters were adjusted to reflect the parameter of multiple subcatchments that were near subcatchment A4.4_FRST.

3.2.1 Parameterization

The parameters of the forest natural asset catchment were adjusted with the adjacent subcatchment parameters. Some parameters remain unchanged as a land-use reassignment would not affect the parameters while other parameters that were affected already matched the adjacent land-use.

In summary:

- The total area and infiltration parameters remain unchanged because a land-use reassignment would not affect these parameters.
- The Manning's N for impervious and pervious area and the depression storage for impervious area matched the adjacent land-use and didn't require adjustment.
- The slope, impervious percentage, and depression storage for pervious area were adjusted to match the adjacent subcatchment parameters.
- The flow length was selected to be the minimum of the flow length from the adjacent subcatchment and the original flow length of the forest subcatchment.

3.2.2 Routing

The routing remained the same as Scenario 1 except for the forest subcatchments. The forest subcatchments outlet directly to the stream (in the same location as the adjacent subcatchments) rather than to the wetlands subcatchments.

3.3 Scenario 3

Scenario 3 represents the removal of the wetland subcatchments and replacement with an adjacent land-use. The removal of the wetland subcatchments was completed with a replicated version of the **Scenario 1** model (forest natural asset subcatchments are not replaced with adjacent land-use). The adjacent land-use definition was modified to represent subcatchments that outlet to the Hanlon Creek at approximately the same location as the wetlands because most of the wetland subcatchments share a common border with the forest subcatchments. The list of subcatchments that were defined as adjacent to a wetland subcatchment are listed in **Appendix B.**

3.3.1 Parameterization

The parameters of the wetland natural asset catchments were adjusted with the adjacent subcatchment parameters. Some parameters remain unchanged as a land-use reassignment would not affect the parameters while other parameters that were affected already matched the adjacent land-use.

In summary:

- The total area and infiltration parameters remain unchanged because a land-use reassignment would not affect these parameters.
- The Manning's N for impervious area and the depression storage for impervious area matched the adjacent land-use and didn't require adjustment.
- The slope, impervious percentage, Manning's N for pervious area and depression storage for pervious area were adjusted to match the adjacent subcatchment parameters.
- The flow length was selected to be the minimum of the average flow length from the contributing subcatchments and the original flow length of the wetland subcatchment.

3.3.2 Routing

The routing was modified to reflect the removal of the infiltration and storage provided by the wetland subcatchments. The inline storage units, the overflow channel and outfall routing the flow back to the wetlands were removed from the model. The conduits connecting to the storage units and the overflow channel were extended to the next nearest node. The routing of the runoff from the wetland subcatchments to the Hanlon Creek did not change.

3.4 Scenario 4

Scenario 4 represents the replication of the infiltration and peak flow reduction of the forest subcatchments with stormwater infrastructure. The addition of stormwater infrastructure occurs on a replicated version of the model created in **Scenario 2** (forest subcatchments replaced with an adjacent land-use). One stormwater management pond was added for each forest subcatchment to reduce peak flow and LID units were added to the subcatchment to increase infiltration. The parameters of each subcatchment from the Scenario 2 model were not altered.

3.4.1 Stormwater Sizing

The volume of the stormwater ponds was sized to reduce to match the peak flow of Scenario 1 at the node directly downstream from each storage unit. The storage volume was sized by adjusting the surface area in the stage-storage curve of the ponds. A total stage of 1 m with 0.5 m intervals is assumed for the new stormwater ponds representing the runoff captured by the forest natural assets. The surface area for each stage interval in the stage-storage curve was assumed to linearly increase (the difference in surface area between each interval is constant). The surface area for each stage interval is adjusted through an iterative trial and error process by comparing the flow to Scenario 1. The iterative process is optimized by setting the peak flow of Scenario 4 to a minimum of 90% of the flow from Scenario 1 with a target of 95-99%. The final stage-storage curves are in **Appendix C.** The flow results from the sizing can be seen in **Table 3-3.**

Table 3-3
The Flow Results from Sizing Stormwater Ponds for Forest Subcatchments

Subcatchment	Scenario 1 Peak Outflow (m^3/s)	Scenario 4 Peak Outflow (m^3/s)	Flow Reduction Target Attained (%)
A1.1_FRST	0.36	0.286	79.4
A2.1_FRST	0.29	0.286	98.6
A2.2_FRST	0.2	0.183	91.5
A3.1_FRST	0.99	0.965	97.5

Subcatchment	Scenario 1 Peak Outflow (m^3/s)	Scenario 4 Peak Outflow (m^3/s)	Flow Reduction Target Attained (%)
A3.2_FRST	0.55	0.538	97.8
A3.3_FRST	0.94	0.921	98.0
A4.1_FRST	0.5	0.486	97.2
A4.2_FRST	1.18	1.162	98.5
A4.3_FRST	0.52	0.039	7.5
A4.4_FRST	0.79	0.554	70.1
A4.5_FRST	1.28	1.253	97.9
A4.6_FRST	2.94	0.418	14.2
B1.1_FRST	0.38	0.356	93.7
B2.1_FRST	0.81	0.789	97.4
C1.1_FRST	0.26	0.108	41.5
D1.1_FRST	1.57	1.317	83.9
D2.1_FRST	0.91	0.323	35.5
D4.1_FRST	0.81	0.501	61.9
E1.1_FRST	1.78	1.714	96.3
E2.1_FRST	0.09	0.072	80.0

Note: Each forest subcatchment was assigned one stormwater pond except for subcatchment E3.1_FRST because the subcatchment has a high slope that would prevent peak flow reduction.

As discussed below, the LID measures were applied in a lumped approach to the forest subcatchment. Theoretically, LID measures should not reduce the peak flow of a subcatchment during a 100-year storm event because they reach maximum capacity before the maximum rainfall occurs. In a lumped approach, the LID measures alter the subcatchment parameters when rainfall occurs, which reduces the peak flow of the subcatchment. Therefore, some of the subcatchments did not require a stormwater pond because the inflow to the ponds was less than the peak runoff in Scenario 1. For these subcatchments, a stormwater pond was still added to the model with a minimum size of 0.01 ha and will be included in the cost comparison, as a stormwater pond is theoretically needed to reduce the peak flow. In **Table 3-3**, these stormwater ponds reduced flow by more than the target of 90% reduction in peak flow. The subcatchments that met the target of the 90 - 99% peak flow reduction were sized using the above approach.

The LID measures were added to model using a lumped approach, meaning the LID's are added directly to each forest subcatchment. The model modifies the parameters of the catchment to reflect the addition of LIDs and the results are reflected directly on the catchment (ex. infiltration of the catchment increases). This is the standard approach for

adding LID measures to a model at a watershed scale as the explicit modelling of LIDs (routing flow from a catchment to a LID catchment and analyzing the results at the outlet) is typically applied at a catchment scale.

The LID measures are represented in each natural asset subcatchment with the parameters from **Table 3-4.**

Table 3-4
LID Size Dimensional Parameters

Parameter	Value
Area of Each Unit (m^2)	400
Number of Units	Sized per infiltration target
Surface Width of Each Unit (m)	20
% Initially Saturated	25
% Pervious Area Treated	100
% Impervious Area Treated	100

Each bio-retention cell (unit) was assumed to have a surface area of 400 m^2 and an equal surface width and length of 20 m. The LID was set with an initial saturation of 25% to represent some soil saturation. All (i.e., 100%) of the pervious area and impervious area of the catchment was internally routed to the LID, meaning the all the runoff generated on the non-LID portion of the catchment flows through the LID before being routed to the next node.

The number of 400 m^2 LID units required to increase the infiltration of Scenario 4 to match the infiltration of Scenario 1 were determined using a trial and error process. The iterative process was completed setting the maximum infiltration of Scenario 5 to 10% higher than Scenario 1 with an optimization target of 1-5% more infiltration. The number of LID units determined using this process can be seen in **Appendix D.**

3.4.2 Routing

The routing was modified with the addition of stormwater ponds to the model. The outlet of the forest subcatchments that drain directly to the Hanlon Creek are reassigned to their corresponding stormwater pond. The outlet of SWM ponds were controlled by a stage-discharge curve that directs flows to the Hanlon Creek. The stage discharge curves were designed with two increments at 0.5 m (half the pond stage) and 1 m (full pond stage). The 0.5 m increment was assumed to release flow at the 10-year peak flow of the corresponding forest subcatchment at existing conditions (Scenario 1). The 1 m increment was assumed to release at the 100-year peak flow of the corresponding forest subcatchment from Scenario 1 (the peak flow the stormwater ponds are designed to release at). The final stage-discharge curves are in **Appendix C** and the 10-year AES storm is in **Appendix E.**

The LID units were applied in a lumped approach within the subcatchment and did not require additional routing.

3.5 Scenario 5

Scenario 5 represents the replication of the infiltration and peak flow reduction of the wetland subcatchments with stormwater infrastructure. The addition of stormwater infrastructure occurs on a replicated version of the model created in **Scenario 3** (wetland subcatchments replaced with an adjacent land-use). The wetland storage units in the Scenario 1 model were added back to the model as SWM ponds. The LID units were applied directly to the wetland subcatchments in a lumped approach. The parameters of each subcatchment from the Scenario 3 model were not altered.

3.5.1 Stormwater Sizing

The stormwater management ponds and the LIDs were sized to match the peak flow and infiltration from the Scenario 1 model. The wetland storage units were added back to the model as stormwater management ponds. The stormwater ponds were sized similarly to Scenario 4. Each stormwater pond was assumed to have the same stage as the wetland storage unit (3 m height at 0.5 m intervals) with a linear increase in storage at every interval. The stormwater ponds were sized to reduce peak flow to 90% of the Scenario 1 peak flow, with an optimization target of 95-99%. The final stage-storage curves are in **Appendix C.** The flow results from the sizing can be seen in **Table 3-5.**

Table 3-5
The Flow Results from Sizing Stormwater Ponds for Wetland Subcatchments

Subcatchment	Scenario 1 Peak Outflow (m^3/s)	Scenario 5 Peak Outflow (m^3/s)	Flow Reduction Target Attained (%)
A1	3.929	3.881	98.8
A2	3.788	3.728	98.4
A3	5.097	5.005	98.2
A4	11.569	11.387	98.4
B1	4.263	4.253	99.8
B2	4.362	4.356	99.9
C1	8.217	8.157	99.3
D1	5.721	5.602	97.9
D2	5.176	4.974	96.1
D3	6.421	6.41	99.8
D4	5.954	5.878	98.7
E1	17.96	16.315	90.8
E2	14.565	13.826	94.9

Note: Each wetland subcatchment was assigned one stormwater pond except for subcatchment E3.1 because the subcatchment has a high slope that would prevent peak flow reduction.

The LID units were applied to the model similarly to Scenario 4. The LID units were added in a lumped approach to each subcatchment with the same parameters as **Table 3-4.** The number of LID units required to increase the Scenario 5 infiltration to match the infiltration of Scenario 1 was determined using a trial and error process with Scenario 5 having a maximum infiltration depth 10% higher than Scenario 1 and an optimization target of 1-5%. The number of LID units determined using this process can be seen in **Appendix D.**

3.5.2 Routing

The routing of the Scenario 3 model was altered to match the routing from the Scenario 1 model. The SWM ponds were added as inline storage units at the same location in the Hanlon Creek as the wetland storage units. Since the SWM ponds were modelled as inline storage units a stage discharge table for the SWM ponds outflow was not required. The overflow diversion channel and the outfall routing flow to the wetland subcatchment from Scenario 1 were added back to the model. The LID units were applied in a lumped approach to the subcatchment and did not require additional routing.

3.6 Scenario 6, 7, 8, 9, 10 (Climate Change Future Conditions)

Scenarios 6, 7, 8, 9 and 10 test the previous five models under a climate change condition. The five different PCSWMM models for the five previous scenarios were run with the 100-year AES storm. Scenarios 6 through 10 modified the 100-year AES storm to reflect the amount of rainfall in the year 2100. The rainfall depth in the year 2100 was estimated using the IDF_CC tool (https://www.idf-cc-uwo.ca/) assuming an increasing emission rate (worst-case scenario). The new 2100 100-year AES storm was implemented in each of the five previous models as a new scenario, for which the hydrograph can be found in **Appendix E.**

Scenarios 6 through 10 were set up using the one of the five models from the five scenarios without modifications to the parameters or routing. The relationships of the set up to the climate change scenarios are as follows:

- **Scenario 6** runs **Scenario 1** with the 2100 100-year AES storm,
- **Scenario 7** runs **Scenario 2** with the 2100 100-year AES storm,
- **Scenario 8** runs **Scenario 3** with the 2100 100-year AES storm,
- **Scenario 9** runs **Scenario 4** with the 2100 100-year AES storm,
- **Scenario 10** runs **Scenario 5** with the 2100 100-year AES storm.

4 RESULTS

The results compare the peak flow and infiltration of the scenarios. The peak flow was compared at eight major confluence points while the infiltration was compared within four forest and four wetland subcatchments.

4.1 Selected Nodes and Subcatchments

Eight flow nodes and eight subcatchments were selected in the model to assess the peak flow and present the infiltration trends in different land-use contexts. The nodes were selected at major confluence points on the Hanlon Creek and downstream of wetland storage units. The catchments were selected at random but include a mix of four forest and four wetland types that are spatially diverse. The purpose of selecting nodes and catchments was to present a concentrated version of the results and provide an overview of the impacts at the subwatershed scale. **Figure 4-1** shows the flow nodes selected for the peak flow analysis and **Figure 4-2** shows the subcatchments selected for infiltration analysis. The remaining results can be seen in **Appendix G**.

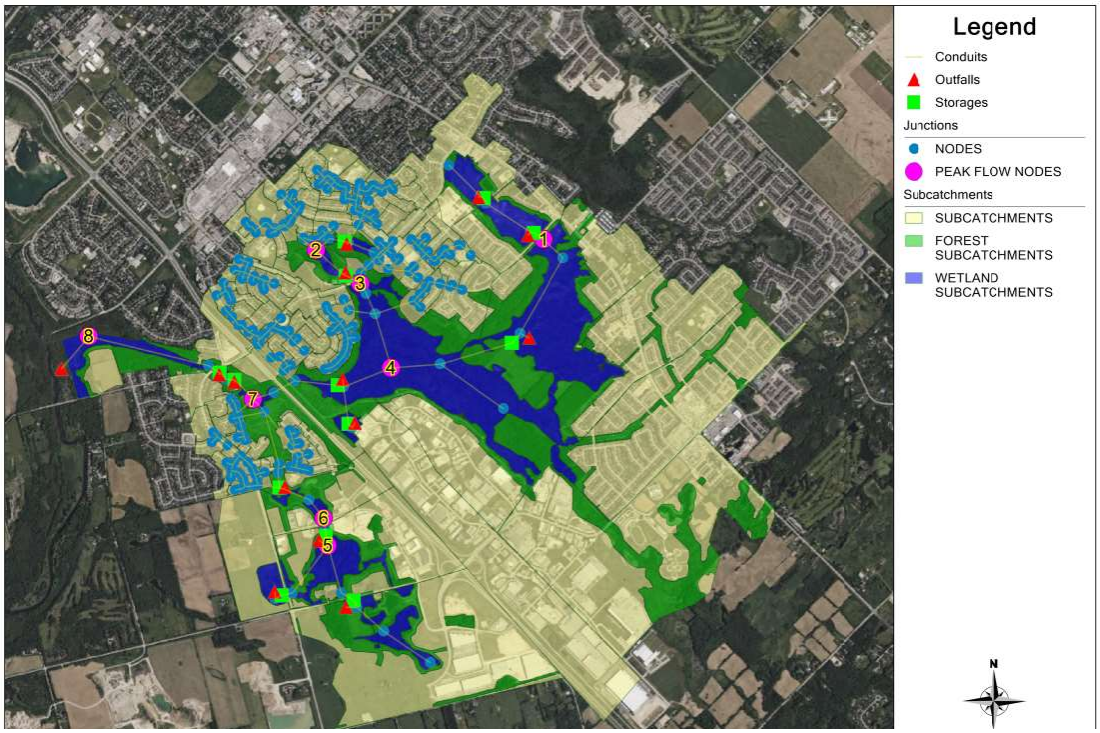


Figure 4-1 The Eight Flow Nodes Selected for Peak Flow Analysis

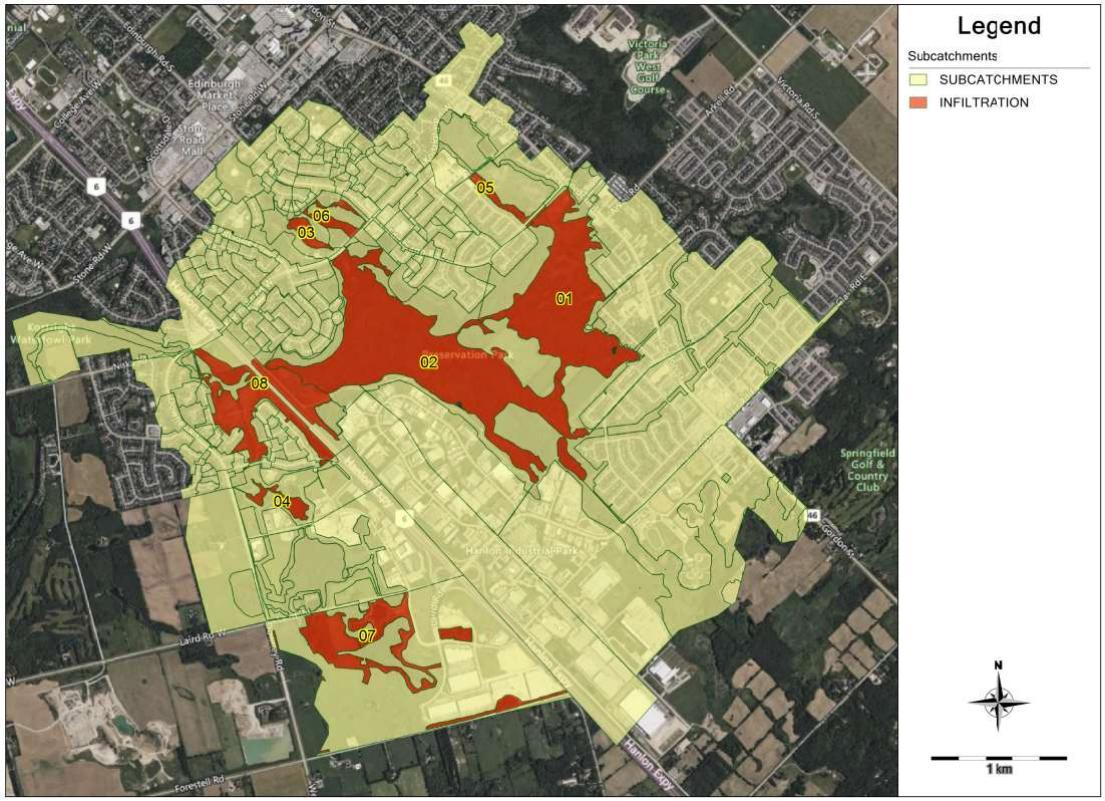


Figure 4-2 The Eight Subcatchments Selected for Infiltration Analysis

4.2 Peak Flow

The peak flow is the maximum rate of discharge during the 12-hour 100-year AES storm event, often resulting in erosive forces and water level increases, such as flooding, scouring and erosion of riverine and/or local drainage systems. Stormwater quantity controls are typically designed to limit a development's peak runoff rate to prevent downstream impacts (i.e., flooding, erosion, etc.) due to the increased runoff rate and volumes resulting from development. In this model, stormwater ponds are designed to approximately replicate the peak flow reduction provided by the natural assets such as forests and wetlands. The peak flows are compared across different scenarios to understand the importance of natural assets in the Hanlon Creek subwatershed.

4.2.1 Forest Natural Asset Comparison

The peak flow of the forest natural assets is compared across different scenarios. As stated previously, Scenario 1 is intended to represent baseline conditions for the Hanlon Creek including natural assets. With the natural assets conceptually removed for forest subcatchments (i.e., Scenario 2) a significant increase in peak flow rates is predicted. When natural assets were conceptually replicated using LIDs and SWM ponds (i.e., Scenario 4) these controls were generally able to reduce peak flows, however peak flow rate increases persisted at several nodes relative to the baseline conditions. The results for the eight flow node locations can be found in **Table 4-1.**

Table 4-1
Peak Flow Comparison with Scenario 4 (Forest assets replaced with SWM facilities)

Number	Node ID	Scenario 1 (m^3/s)	Scenario 2 (m^3/s)	Scenario 4 (m^3/s)	Scenario 1-2 % Change (%)	Scenario 1-4 % Change (%)
1	5	3.788	3.868	3.749	-2.1	1.0
2	18	11.869	12.704	11.896	-7.0	-0.2
3	22	6.611	7.265	6.484	-9.9	1.9
4	9	49.698	64.057	51.75	-28.9	-4.1
5	21	15.547	18.412	14.545	-18.4	6.4
6	31	5.175	5.514	5.07	-6.6	2.0
7	13	19.484	20.866	18.549	-7.1	4.8
8	56	14.56	15.676	10.007	-7.7	31.3

The removal of forest natural assets did not have a significant impact on the reduction of peak flow, with most of the catchments experiencing a peak flow increase. Seven of the eight nodes show an increase less than 20% and one catchment experiences a peak flow increase of less than 30%. The addition of LIDs and stormwater facilities significantly reduced peak flow across the subwatershed except at two locations. This is expected, as the size of the stormwater management ponds were smaller (ranging in total surface area between 0.01ha to 0.2ha).

The peak flow did not decrease downstream due to the large inline storage units provided by the wetland. The flow at node two is upstream of node three but has a higher peak flow, due to the wetland storage unit at subcatchment B2. The trend remains consistent across scenarios one, two and four and at other nodes. For example, the peak flow at node peak flow was higher than node six, and the peak flow at node seven was higher than eight.

4.2.2 Wetland Natural Asset Comparison

The peak flow was compared across Scenario 1 (baseline conditions), Scenario 3 (removal of wetland natural assets) and Scenario 5 (addition of stormwater management ponds and LIDs). The results for the eight flow node locations can be found in **Table 4-2.**

Table 4-2
Peak Flow Comparison with Scenario 5 (Wetland assets replaced with SWM facilities)

Number	Node ID	Scenario 1 (m^3/s)	Scenario 3 (m^3/s)	Scenario 5 (m^3/s)	Scenario 1-3 % Change (%)	Scenario 1-5 % Change (%)
1	5	3.788	9.697	3.728	-156.0	1.6
2	18	11.869	12.496	11.354	-5.3	4.3
3	22	6.611	14.295	6.187	-116.2	6.4
4	9	49.698	84.727	47.122	-70.5	5.2
5	21	15.547	28.329	12.494	-82.2	19.6
6	31	5.175	28.226	4.927	-445.4	4.8
7	13	19.484	132.096	16.288	-578.0	16.4
8	56	14.56	66.628	13.261	-357.6	8.9

The removal of the wetland natural assets had a significant impact on the reduction of peak flow. The removal of wetland natural assets increased peak flow by over 100% at five of the eight flow node locations including a 358% increase at the outlet of the Hanlon Creek into the speed river.

The stormwater management ponds designed in Scenario 5 (between 0.1 ha to 6.5 ha in size) were much larger than Scenario 4 as they reflect the need to reduce the additional peak flow. The stormwater ponds were able to reduce peak flow across the subwatershed at all eight of flow nodes.

In Scenario 3, the removal of the inline wetlands caused the flow to increase downstream (e.g., node six had a greater flow than node five; node three had a greater flow than node two). The nodes that experienced a decrease of flow downstream (i.e., node two and six) also experienced the greatest peak flow increases between Scenario 1 and 3. They also required larger stormwater ponds in Scenario 5 to compensate for the additional flow.

4.3 Infiltration

Infiltration is the process of rainfall entering the ground. Infiltration provides water quantity benefits by reducing the runoff leaving a catchment and creates opportunities for groundwater recharge. LID measures, such as bio-retention cells, are generally designed to increase infiltration of runoff, improve water quality, and generally support water balance objectives.

In this model, the LID measures were designed to replicate infiltration rates provided by natural assets within the Hanlon Creek subwatershed. The infiltration results are compared across scenarios to understand the effectiveness of the LID measures.

4.3.1 Forest Natural Assets

The infiltration was compared across Scenario 1 (baseline conditions), Scenario 2 (removal of forest natural assets) and Scenario 4 (addition of stormwater management ponds and LIDs). The results for the subcatchments selected for infiltration comparison can be found in **Table 4-3.**

Table 4-3
Infiltration Comparison for Scenario 4 (Forest assets replaced with SWM facilities)

Number	Subcatchments	Asset Type	Scenario 1 (mm)	Scenario 2 (mm)	Scenario 4 (mm)	Scenario 1-2 % Change (%)
1	A3	WETLAND	115.76	117.56	115.41	-1.6
2	A4	WETLAND	184.22	181.48	167.04	1.5
3	B2	WETLAND	55.69	55.28	54.62	0.7
4	D4	WETLAND	116.88	134.33	125.21	-14.9
5	A2.1_FRST	FOREST	67	54.76	68.6	18.3
6	B1.1_FRST	FOREST	47.04	36.9	50.02	21.6
7	D1.1_FRST	FOREST	68.74	24.7	69.14	64.1
8	E1.1_FRST	FOREST	68.98	50.26	69.1	27.1

The removal of forest natural assets had a small impact on the wetland natural assets, as it increased the total amount of flow in the Hanlon Creek, creating additional overflow and infiltration potential for subcatchments such as A3 and D4. The rerouting of runoff from the forest subcatchments (from the wetland natural assets to Hanlon Creek) reduced the infiltration potential of the wetlands, as seen at subcatchments A4 and B2. Overall, the forest subcatchments experienced a decrease of 18 to 64% in infiltration in Scenario 2, but the LIDs were able to replicate the infiltration from Scenario 1 in Scenario 4.

4.3.2 Wetland Natural Assets

The infiltration was compared across Scenario 1 (baseline conditions), Scenario 3 (removal of wetland natural assets) and Scenario 5 (addition of stormwater management ponds and LIDs). The results for the eight subcatchments selected for infiltration comparison can be found in **Table 4-4.**

Table 4-4
Infiltration Comparison with Scenario 5 (Wetland assets replaced with SWM facilities)

Number	Subcatchments	Asset Type	Scenario 1 (mm)	Scenario 3 (mm)	Scenario 5 (mm)	Scenario 1-3 % Change (%)
1	A3	WETLAND	115.76	52.48	115.84	54.7
2	A4	WETLAND	184.22	42.63	185.39	76.9
3	B2	WETLAND	55.69	41.57	57.6	25.4
4	D4	WETLAND	116.88	43.12	117.11	63.1
5	A2.1_FRST	FOREST	67	67	67	0.0
6	B1.1_FRST	FOREST	47.04	47.04	47.04	0.0
7	D1.1_FRST	FOREST	68.74	68.74	68.74	0.0
8	E1.1_FRST	FOREST	68.98	68.98	68.98	0.0

The removal of wetland natural assets did not impact the forest natural assets, as the runoff from the wetland subcatchments was routed directly to the Hanlon Creek in all models. The wetland natural assets experienced a similar decrease in overall infiltration ranging between 25% to 63% across the subcatchments selected for analysis, similar to the decrease resulting in removal of the forest subcatchments.

4.4 Climate Change

The climate change rainfall derived from the IDF_CC tool in the year 2100 using the worst-case emissions scenario was used to develop the new hydrograph for the 100-year AES storm. The new storm event was used in Scenarios 6 through Scenario 10 to analyze the impacts of climate change rainfall on the models developed in Scenario 1 through Scenario 5.

For reference purposes, the climate change scenarios are described below:

- Scenario 6 – Existing natural asset conditions
- Scenario 7 – Removal of forest natural assets (replaced with development)
- Scenario 8 – Removal of wetland natural assets (replaced with development)
- Scenario 9 – Removal of forests, addition of SWM facilities to replicate natural asset.
- Scenario 10 – Removal of wetlands, addition of SWM facilities to replicate natural asset.

4.4.1 Peak Flow

Table 4-5 shows the peak flow of the climate change scenarios and **Table 4-6** shows the peak flow increase compared to the same model without climate change.

Table 4-5
The Peak Flow Results for Scenarios with Climate Change Rainfall

Number	Node ID	Scenario 6 (m^3/s)	Scenario 7 (m^3/s)	Scenario 8 (m^3/s)	Scenario 9 (m^3/s)	Scenario 10 (m^3/s)
1	5	5.81	5.85	9.70	5.5	6.99
2	18	18.95	20.71	12.50	18.7	18.83
3	22	10.76	11.48	14.30	8.7	10.76
4	9	92.61	110.89	84.73	95.5	91.48
5	21	28.23	32.43	28.33	25.5	34.52
6	31	6.83	7.11	28.23	6.3	7.80
7	13	35.94	37.61	132.10	31.6	53.14
8	56	29.40	30.65	66.63	17.7	35.11

Table 4-6
The Peak Flow Increase Between Scenarios with and without Climate Change Rainfall

Number	Node ID	Scenario 6/1 % Increase	Scenario 7/2 % Increase	Scenario 8/3 % Increase	Scenario 9/4 % Increase	Scenario 10/5 % Increase
1	5	53	51	98	46	87
2	18	60	63	115	57	66
3	22	63	58	86	34	74
4	9	86	73	40	84	94
5	21	82	76	99	75	176
6	31	32	29	99	24	58
7	13	84	80	23	71	226
8	56	102	95	9	77	165

The climate change rainfall increased the peak flow at all nodes. The nodes show a similar peak flow pattern to the flow results of the model without climate change, meaning the natural storage units from the wetlands attenuate the additional flow.

Scenario 6 and Scenario 9 had similar peak flows at all nodes, meaning the stormwater strategies designed for the forest subcatchments continue to reduce peak flow. Based on the results from the comparison of peak flow (Scenario 1 and Scenario 2), the forests subcatchments didn't have a significant impact on peak flow meaning the peak flow attenuation in Scenario 9 is occurring from the storage units of the wetland natural assets. When comparing Scenario 6 and Scenario 10, Scenario 6 had similar peak flows to Scenario 10 at the first four nodes but Scenario 10 had a significantly higher peak flow at the last four nodes. The compounding effects of the flow near the outlet of the

Hanlon Creek have reduced the attenuation of peak flow of the stormwater ponds compared to the attenuation provided by the wetland natural assets. This shows that the natural assets (scenario 6) have a greater capacity to adapt to changes in rainfall intensity than engineered facilities (Scenario 10) designed to replicate them.

4.4.2 Infiltration

Table 4-7 shows the infiltration of the climate change scenarios and **Table 4-8** shows the infiltration increase compared to the same model without climate change.

Table 4-7
The Infiltration Results for Scenarios with Climate Change Rainfall

Number	Sub-catchments	Asset Type	Scenario 6 (mm)	Scenario 7 (mm)	Scenario 8 (mm)	Scenario 9 (mm)	Scenario 10 (mm)
1	A3	WETLAND	187.16	188.28	68.97	187.99	142.65
2	A4	WETLAND	248.56	252.72	48.73	258.8	207.03
3	B2	WETLAND	80.53	68.09	49.59	67.1	71.36
4	D4	WETLAND	225.74	239.06	58.97	228.25	161.2
5	A2.1_FRST	FOREST	75.3	61.72	75.3	75.8	75.3
6	B1.1_FRST	FOREST	48.01	37.72	48.01	51.29	48.01
7	D1.1_FRST	FOREST	89.26	32.47	89.26	77.4	89.26
8	E1.1_FRST	FOREST	90.09	66.4	90.09	84.97	90.09

Table 4-8
The Infiltration Increase Between Scenarios with and without Climate Change Rainfall

Number	Sub-catchments	Asset Type	Scenario 6/1 % Increase	Scenario 7/2 % Increase	Scenario 8/3 % Increase	Scenario 9/4 % Increase	Scenario 10/5 % Increase
1	A3	WETLAND	62	60	31	63	23
2	A4	WETLAND	35	39	14	55	12
3	B2	WETLAND	45	23	19	23	24
4	D4	WETLAND	93	78	37	82	38
5	A2.1_FRST	FOREST	12	13	12	10	12
6	B1.1_FRST	FOREST	2	2	2	3	2
7	D1.1_FRST	FOREST	30	31	30	12	30
8	E1.1_FRST	FOREST	31	32	31	23	31

The total infiltration (mm) of the LID units at subcatchment 5 and 6 matches the infiltration of the forest natural assets but was unable to match the infiltration at subcatchment 7 and 8. The differences in infiltration were because the LID

units reached maximum capacity for infiltration/retention faster than the soil reached maximum saturation, meaning the bio-retention cells are less resilient than the natural assets, in terms of achieving infiltration.

The total infiltration (mm) of the wetland subcatchments is higher than the infiltration of the LID units at all four subcatchments. The cycling of the additional flow onto the subcatchments may have contributed to the LID units to reach maximum capacity faster than the native soil reaching maximum saturation.

The infiltration increase between Scenario 6/1 and Scenario 7/2 was the same, but lower in Scenario 9/4 at subcatchments 7 and 8. It would be expected that the increase in infiltration be less in Scenario 7/2 without the forest natural assets, potentially because the reduced infiltration between Scenario 6 and Scenario 7 may have prevented the soil from reaching full saturation, allowing for additional soil infiltration in Scenario 7.

5 VALUATION COSTING

This section estimates a cost of the stormwater controls designed for Scenario 4 and Scenario 5 to mimic the peak flow and infiltration of the Scenario 1 model. The purpose of this section is to provide the average cost per square metre to implement stormwater strategies, inclusive of LIDs, which may conceptually replicate hydrologic functions of select natural assets within the watershed.

5.1 Methodology

The approximate costs were determined with previous tender packages for the construction of local stormwater ponds and LID units. The previous tender packages provided a list of tender items and a unit price supplied by a contractor. The unit prices were averaged between the common tender items and a custom list of tender items was derived for a stormwater pond and a LID unit. The quantity of each tender item was assumed using quantities from tender packages and AE's experience with SWM pond and LID unit construction projects.

The cost of a stormwater pond was completed by defining quantities for four pond sizes (0.01 ha, 0.1 ha, 1 ha, and 20 ha). The quantities were scaled for each of the different pond sizes and multiplied the by the average unit price to get four SWM pond costs. The SWM ponds costs were divided by the SWM pond area to get a SWM pond cost per square metre. These four costs per square metre and the corresponding SWM pond size were plotted with a line of best fit. The equation that represent the line of best fit relates the SWM cost per square metre to SWM pond area. The area of the SWM ponds sized in Scenario 4 and 5 were converted to SWM cost per square metre and multiplied by the pond area (m^2) to get the SWM pond cost.

The cost of a LID unit was completed by defining quantities for a 400 m^2 LID unit. The quantities were multiplied by the average unit price of each bid item to get the cost of one LID unit. The number of LID units required for each natural asset subcatchment defined in Scenario 4 and 5 were multiplied by the total cost of the one LID unit to get the total LID unit cost.

The SWM pond and LID unit cost for each natural asset subcatchment are added to get the SWM cost. The SWM cost for is divided by the total natural asset area to get the SWM cost per square metre. The SWM cost per square metre is grouped into forest and wetland natural asset types and averaged to get a SWM cost per square metre for each type. The workflow for completing the cost evaluation is illustrated in the flowchart in **Figure 5-1** below.

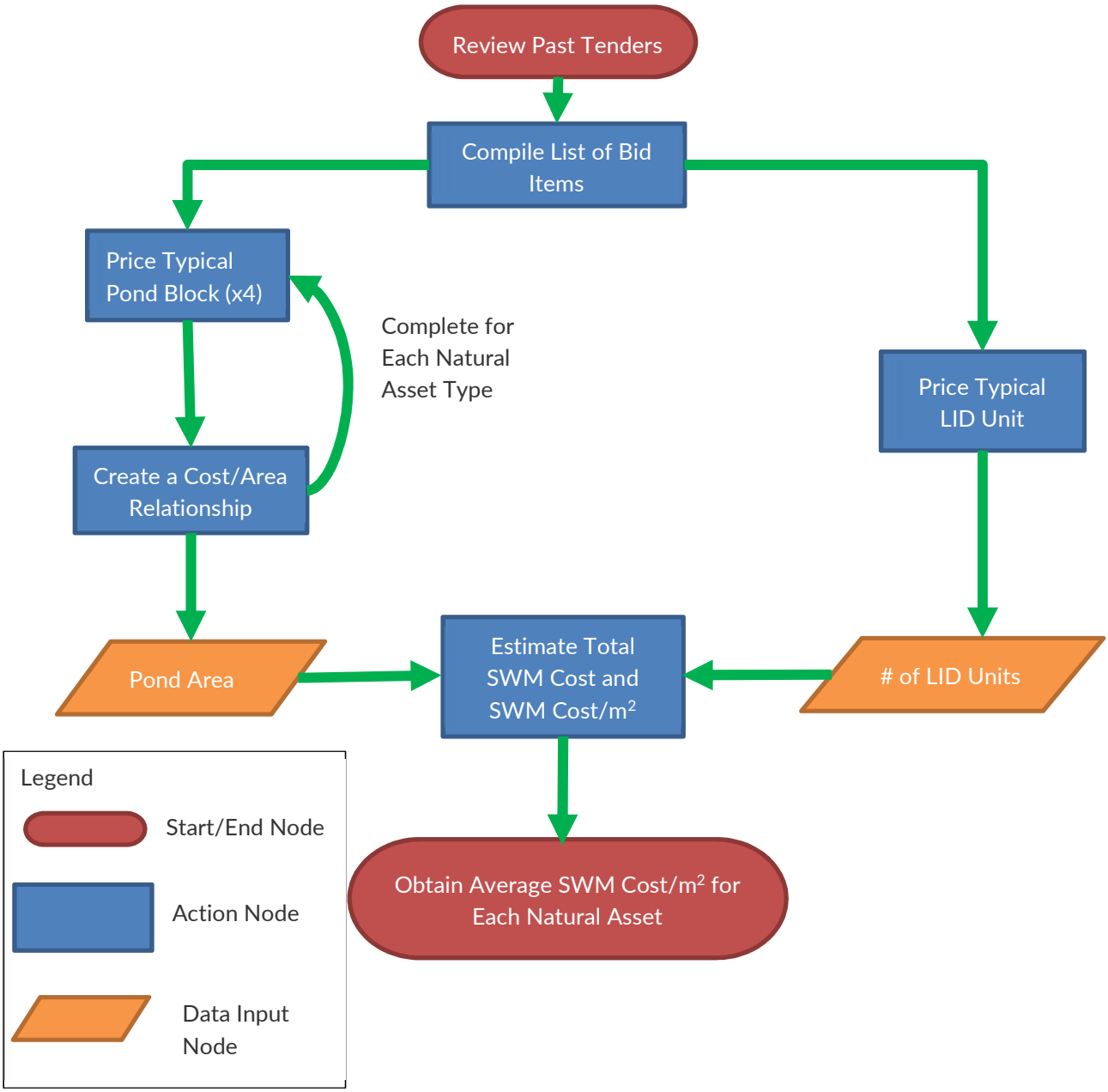


Figure 5-1 Cost Evaluation Workflow

5.2 Compile List of Bid Items

The list of bid items and unit prices is extracted from recent tender packages submissions provided by the City of Guelph. The tender packages submitted for review include the construction of:

- a stormwater flood facility on Howitt Creek, (quantity treatment) and,
- a snow disposal facility with a stormwater management pond (with quantity and quality treatment).

A list of bid items typically used for the construction of a SWM pond or LID unit with their unit price were extracted from the tender packages. If the bid item was common between the two tender packages, the unit price was averaged.

If a bid item was not in the tender packages, the average unit price was extracted from a previous natural asset valuation project completed by AE. The unit prices from each tender package are in **Appendix F.**

The bid items for a SWM pond were separated into four categories: General, Site Preparation, Stormwater Infrastructure, Stormwater Management Pond and Restoration/Vegetation. The bid items with their average unit price in each category are in **Table 5-1**.

Table 5-1 Typical Bid Items for SWM Pond with Unit Price

General			Site Preparation		
Bid Item	Unit of Measure	Unit Price	Bid Item	Unit of Measure	Unit Price
Mobilization/Demobilization	Lump Sum (LS)	$12,500	Clearing and Grubbing Trees	m^2	$0.59
Bonds and Insurance	LS	$6,250	Clearing and Grubbing Grass Area	m^2	$0.64
Layout by Contractor	LS	$6,250	Stripping and Stock Piling Topsoil	m^3	$4.62
Construction / Tree Protection Fence	m	$26	Preparation of Subgrade (Forest)	m^3	$3.46
Siltation Fence	m	$17	Preparation of Subgrade (Wetland)	m^3	$3.46
Mud Mat/Access Routes	Each (EA)	$1,315	Disposal of Non-Hazardous Waste (Forest)	T	$20.71
Traffic and Pedestrian Control	LS	$630	Disposal of Non-Hazardous Waste (Wetland)	T	$20.71
Calcium Chloride	Tonne (T)	$1,304			
Stormwater Infrastructure			**Stormwater Management Pond**		
Bid Item	Unit of Measure	Unit Price	Bid Item	Unit of Measure	Unit Price
Ditch Inlet Structure	EA	$8,700	Dewater SWM Facility Area	m^2	$1.70
Concrete Inlet Piping (600mm)	m	$478	Clay Liner/Seal	m^2	$11.29
PVC Outlet Piping (300mm)	m	$230	Concrete Block Mat	m^2	$105
PVC Outlet Piping (450mm)	m	$221	Rip Rap R10	m^2	$80
Pond Outlet Structure	EA	$12,000	Rip Rap R50	m^2	$89.50

Stormwater Control Chamber	EA	$18,500	Turfstone (Access Road)	m^2	$85

Restoration / Vegetation					
Bid Item	Unit of Measure	Unit Price			
Topsoil and Upland Seeding Mix	m^2	$3.00			
Topsoil and Lowland Seeding Mix	m^2	$3.86			
Imported Topsoil	m^3	$18.40			
Planting Tree's	EA	$453			
Planting Shrubs	EA	$29			
Maintenance	m^2	$10			

The bid items for LID units were separated into four different categories: General, Site Preparation, LID Facility and Restoration/Vegetation. The bid items with their average unit prices in each category are in **Table 5-2**.

Table 5-2 Typical Bid Items for a LID Facility with Unit Price

General			Site Preparation		
Bid Item	Unit of Measure	Unit Price	Bid Item	Unit of Measure	Unit Price
Mobilization/Demobilization	Lump Sum (LS)	$2,000	Clearing and Grubbing Trees	m^2	$1.00
Bonds and Insurance	LS	$2,000	Clearing and Grubbing Grass Area	m^2	$1.00
Layout by Contractor	LS	$1,500	Disposal of Non-Hazardous Waste	T	$21
Construction / Tree Protection Fence	M	$26	Preparation of Subgrade/Rough Grade	m^3	$3.46
Siltation Fence	M	$17			
Mud Mat/Access Routes	Each (EA)	$1,315			
Traffic and Pedestrian Control	LS	$630			

LID Facility			Restoration/Vegetation		
Bid Item	Unit of Measure	Unit Price	Bid Item	Unit of Measure	Unit Price
Geotextile Layer Terrafix 270R	m^2	$3.15	Topsoil and Upland Seeding Mix	m^2	$3.00
Clear Stone Layer	T	$30	Topsoil and Lowland Seeding Mix	m^2	$3.86
Pea Gravel Layer	T	$42	Planting Tree's	EA	$453
Soil Media Layer	m^3	$60	Planting Shrubs	EA	$29
Straw Bale Check Dams	EA	$479	Imported Topsoil	m^3	$18
			Maintenance	m^2	$10

5.3 Price of a Typical Pond Block and LID Unit

The quantities were estimated for four standard sizes of pond block, a 0.01 ha, 0.1 ha, 1 ha, and 20 ha and one LID unit using assumptions. The assumptions are loosely based on the quantities from the tender packages and AE's experience with similar projects. The quantities for most bid items scale (the quantity increases with size) while other bid items don't scale (the quantity remains the same). The list of bid items with their ability to scale and assumptions for deriving the quantity are seen in **Table 5-3** for stormwater ponds and LID units.

Table 5-3 The Assumptions for Each Bid Item

General		
Bid Item	Scale (Y/N)	Assumption
Mobilization/Demobilization (Mob / Demob)	Y	**SWM Pond:** The average unit price is rounded to an even number and is for a 1 ha pond. The LS unit price scales down by 1/2 and up by 4 (because the largest pond is 20 ha). **LID Unit:** The minimum LS unit price is $2,000.
Bonds and Insurance	Y	**SWM Pond:** The average unit price is half the cost of mob / demob **LID Unit:** The minimum LS unit price is $2,000.
Layout by Contractor	Y	**SWM Pond:** The average unit price is half the cost of mob / demob **LID Unit:** The minimum LS unit price is $1,500.
Construction / Tree Protection Fence	Y	**SWM Pond:** The site is square and requires construction fence around the perimeter. **LID Unit:** The site is 10m x 40m and requires construction fence around the perimeter.

Siltation Fence	Y	**SWM Pond / LID Unit:** Two layers of siltation fence are required around the perimeter.
Mud Mat/Access Routes	Y	A minimum of 1 mud mat assumed for 0.01 ha pond and LID unit. **SWM Pond:** 1 mud mat replaced once and twice for the 0.1 ha and 1 ha pond. Two mud mats replaced 3 times for the 20-ha pond.
Traffic and Pedestrian Control	Y	The minimum cost is the average unit price (used for 0.01ha pond and LID unit). **SWM Pond:** The unit price doubles when pond size increases to 0.1 ha and 1 ha and quadruples when pond size increases to 20 ha.
Calcium Chloride	Y	**SWM Pond:** One tonne of calcium chloride is used at the same rate as mud mats are replaced. Two tonnes of calcium chloride are used for the 20 ha site. **LID Unit:** No calcium chloride is required.
Site Preparation		
Bid Item	**Scale (Y/N)**	**Assumption**
Clearing and Grubbing Trees	Y	**SWM Pond:** 50 % of area requires tree clearing and grubbing. **LID Unit:** 100 % of the area requires tree clearing and grubbing.
Clearing and Grubbing Grass Area	Y	**SWM Pond/LID Unit:** 100 % of the area requires grass clearing and grubbing.
Stripping and Stock Piling Topsoil	Y	**SWM Pond:** 50 % of the soil at 150 mm depth is stockpiled. **LID Unit:** Soil is not stockpiled.
Preparation of Subgrade	Y	**SWM Pond:** The volume of the SWM Pond requires preparation. The volume of a forest SWM Pond is 1 m depth multiplied by the area of SWM Pond. The volume of a wetland SWM Pond is 3 m depth multiplied by the area of SWM Pond. **LID Unit:** The volume of the LID unit requires preparation. The volume of the LID unit is 1.4 m depth multiplied by 400 m^2.
Disposal of Non-Hazardous Waste	Y	**SWM Pond:** The volume of the SWM Pond subtract the stockpiled topsoil multiplied by an assumed weight of 2 t/m^3 for the soil. **LID Unit:** The volume of the LID unit multiplied by an assumed weight of 2 t/m^3 for the soil.
Stormwater Infrastructure		

Bid Item	Scale (Y/N)	Assumption
Ditch Inlet (DI) Structure	N	**SWM Pond:** 1 DI structure is required to convey swale flow into the pond.
Concrete Inlet Piping (600mm)	N	**SWM Pond:** 25 m of 600 mm concrete pipe carries flow from the DI to the pond.
PVC Outlet Piping (300mm)	N	**SWM Pond:** 25 m of 300 mm PVC pipe carries flow from the pond outlet to the SCC (minor flow release).
PVC Outlet Piping (450mm)	N	**SWM Pond:** 25 m of 450 mm PVC pipe carries flow from the DI to the SCC (major flow release) and 50 m carries flow from the SCC to the outfall.
Pond Outlet Structure	N	**SWM Pond:** A hickenbottom structure with two outflow pipes with orifices restricting flow. Assumption based on detail from snow disposal facility drawings.
Stormwater Control Chamber (SCC)	N	**SWM Pond:** A manhole with two valves controlling and inflow. Assumption based on detail from snow disposal facility drawings.
Stormwater Management Pond		
Bid Item	**Scale (Y/N)**	**Assumption**
Dewater SWM Facility Area	Y	**SWM Pond:** 100 % of the area requires dewatering.
Clay Liner/Seal	Y	**SWM Pond:** 100 % of the site requires a clay liner/seal. Only for wetland SWM ponds.
Concrete Block Mat	N	**SWM Pond:** 50 m^2 as an apron for pond inflow and 100 m^2 as a liner for the overflow weir.
Rip Rap R10	N	**SWM Pond:** 20 m^2 as an apron at the outfall, 30 m^2 to protect the pond bank near the overflow weir and 50 m^2 at the pond outlet structure.
Rip Rap R50	N	**SWM Pond:** 50 m^2 as an apron for flow from the overflow weir.
Turfstone (Access Road)	N	**SWM Pond:** 500 m^2 to construct a maintenance access road into pond.
LID Facility		
Bid Item	**Scale (Y/N)**	**Assumption**
Geotextile Layer Terrafix 270R	Y	**LID Unit:** 100% of the area requires a geotextile layer.
Clear Stone Layer	Y	**LID Unit:** 0.25 m depth multiplied by 400 m^2 multiplied by a weight of 1.8 t/m^3.

Pea Gravel Layer	Y	**LID Unit:** 0.15 m depth multiplied by 400 m^2 multiplied by a weight of 1.8 t/m^3.
Soil Media Layer	Y	**LID Unit:** 0.15 m depth multiplied by 400 m^2.
Straw Bale Check Dams	Y	**LID Unit:** 1 straw bale check dam every 10 m of swale (swale is 40 m long).
Restoration/Vegetation		
Bid Item	**Scale (Y/N)**	**Assumption**
Topsoil and Upland Seeding Mix	Y	**SWM Pond:** 15 % of area required upland seeding mix. **LID Unit:** 75 % of area required upland seeding mix.
Topsoil and Lowland Seeding Mix	Y	**SWM Pond:** 10 % of area required lowland seeding mix. **LID Unit:** 25 % of area required lowland seeding mix.
Planting Trees	Y	**SWM Pond/ LID Unit:** One tree per 100 m^2.
Planting Shrubs	Y	**SWM Pond / LID Unit:** One shrub per 25 m^2.
Imported Topsoil	Y	**SWM Pond:** 50 % of the area at 150 mm depth is imported. **LID Unit:** 100 % of the area at 150 mm depth is imported.
Maintenance	Y	**SWM Pond / LID Unit:** Assume cost is $100,000/ha or $10/$m^2$.

The assumptions are used to determine the quantities for each bid item of the four different standard ponds. The quantities are multiplied by the average unit price to get the total construction cost for each stormwater pond, as seen in **Appendix F.** The total cost and cost/m^2 for the construction of the standard stormwater pond sizes for the forest and wetland natural asset types are in **Table 5-4**.

Table 5-4 Stormwater Pond Costs for Varying Sizes and Natural Asset Types.

Natural Asset Type	Pond Size (ha)	Total Cost (Thousands)	Cost / m^2
Forest	0.01	$180	$1799.24
	0.1	$267	$267.18
	1	$893	$89.33
	20	$13,162	$65.81
Wetland	0.01	$190	$1900.29
	0.1	$368	$368.23
	1	$1,903	$190.38
	20	$33,372	$166.86

The total cost of the SWM pond increases as the pond size increases but dividing the total cost by the pond size shows the cost per square metre decreases as the pond size increases, per economy of scale. The wetland natural assets have a higher cost than a forest natural asset because they have a larger storage area (3 m depth) and provide water quality control, requiring increased earthworks.

The assumptions are used to determine the quantities for the LID units. The quantities are multiplied by the average unit price to get the total cost of the construction for a 400 m^2 LID unit, as seen in **Appendix F.** The total cost of the 400 m^2 LID unit is **$79,851** and can be multiplied by the number of 400 m^2 LID units sized in Scenario 4 and 5 to get the total LID unit construction cost, as seen in **Appendix F.**

5.4 Create a Cost-Area Relationship

A cost-area relationship establishes a link between the size of a SWM pond and the construction cost required to build it. The relationship was derived by plotting the cost / m^2 against the area of the pond from **Table 5-4** and fitting a trendline equation to the data. The plots, trendlines, and goodness of fit metrics are available in **Appendix F.** The process was completed for the construction of a stormwater pond replacing a forest and wetland natural asset. The two trendlines equations are below:

Forest

$$\frac{Cost}{m^2} = 64.96463 + \frac{90106520 - 64.96463}{1 + \frac{Pond\ Size}{0.00000008821341}^{0.9329635}}$$

Wetland

$$\frac{Cost}{m^2} = 166.0146 + \frac{90108560 - 166.0146}{1 + \frac{Pond\ Size}{0.00000008821137}^{0.9329635}}$$

The equations solve for cost / m^2 when provided with a given pond size. The equations differ for SWM ponds replacing forest natural assets and SWM ponds replacing wetland natural assets.

The storage area of a pond solved for in Scenario 4 and Scenario 5 are less than the actual area of a pond block. A pond block includes items such as berms, grading, and restoration. The area of the pond block has been assumed to be 10% larger than the storage area of a pond.

The area of the SWM pond block for each subcatchment can be converted to a cost / m^2 using the equations above. The cost / m^2 is multiplied by the area of the pond block to get the total SWM pond construction cost, as seen in **Appendix F.**

5.5 Estimate Total SWM Cost and Cost / m^2

The total stormwater management construction cost is solved by adding the pond and the LID unit cost for each natural asset subcatchment. The area of each natural asset was divided by the total SWM construction cost to get the SWM cost per square metre. The results of the calculation for each subcatchment are in **Table 5-5** below:

Table 5-5 The Total Stormwater Management Cost for Each Subcatchment

Subcatchment	Area (ha)	Land-Use Type	Pond Cost	LID Cost	Total SWM Cost	Total SWM Cost /m^2
A1.1_FRST	3.638	Forest	$181,685	$399,255	$580,940	$15.97
A2.1_FRST	3.279	Forest	$181,685	$319,404	$501,089	$15.28
A2.2_FRST	2.221	Forest	$181,685	$399,255	$580,940	$26.16
A3.1_FRST	13.188	Forest	$220,123	$1,437,318	$1,657,441	$12.57
A3.2_FRST	7.400	Forest	$214,843	$1,277,616	$1,492,459	$20.17
A3.3_FRST	17.133	Forest	$332,533	$2,235,828	$2,568,361	$14.99
A4.1_FRST	5.526	Forest	$225,215	$558,957	$784,172	$14.19
A4.2_FRST	16.151	Forest	$262,208	$2,155,977	$2,418,185	$14.97
A4.3_FRST	8.110	Forest	$181,685	$2,395,530	$2,577,215	$31.78
A4.4_FRST	18.640	Forest	$181,685	$3,114,189	$3,295,874	$17.68
A4.5_FRST	15.023	Forest	$220,123	$1,676,871	$1,896,994	$12.63
A4.6_FRST	60.757	Forest	$181,685	$16,609,008	$16,790,693	$27.64
B1.1_FRST	3.702	Forest	$181,685	$319,404	$501,089	$13.54
B2.1_FRST	8.063	Forest	$275,135	$319,404	$594,539	$7.37
C1.1_FRST	2.788	Forest	$181,685	$718,659	$900,344	$32.29
D1.1_FRST	30.333	Forest	$181,685	$8,544,057	$8,725,742	$28.77
D2.1_FRST	19.034	Forest	$181,685	$5,110,464	$5,292,149	$27.80
D4.1_FRST	13.649	Forest	$181,685	$3,513,444	$3,695,129	$27.07
E1.1_FRST	32.856	Forest	$418,319	$4,311,954	$4,730,273	$14.40
E2.1_FRST	0.872	Forest	$181,685	$79,851	$261,536	$30.01
~~E3.1_FRST~~	~~13.063~~	~~Forest~~	~~$0~~	~~$1,277,616~~	~~$1,277,616~~	~~$9.78~~
A1	8.379	Wetland	$2,214,097	$1,277,616	$3,491,713	$41.67
A2	11.492	Wetland	$7,861,258	$2,475,381	$10,336,639	$89.95
A3	56.775	Wetland	$9,842,162	$24,753,810	$34,595,972	$60.94
A4	100.517	Wetland	$29,358,778	$90,231,630	$119,590,408	$118.98
B1	3.085	Wetland	$1,849,301	$239,553	$2,088,854	$67.72
B2	2.912	Wetland	$6,042,779	$319,404	$6,362,183	$218.50

Subcatchment	Area (ha)	Land-Use Type	Pond Cost	LID Cost	Total SWM Cost	Total SWM Cost /m^2
C1	3.155	Wetland	$4,304,981	$1,357,467	$5,662,448	$179.47
D1	13.155	Wetland	$11,590,969	$5,669,421	$17,260,390	$131.21
D2	17.567	Wetland	$416,767	$5,988,825	$6,405,592	$36.46
D3	5.612	Wetland	$3,776,722	$4,072,401	$7,849,123	$139.87
D4	3.520	Wetland	$2,829,303	$1,038,063	$3,867,366	$109.87
E1	2.928	Wetland	$416,767	$2,794,785	$3,211,552	$109.68
E2	0.786	Wetland	$443,915	$399,255	$843,170	$107.30
~~E3~~	~~14.021~~	~~Wetland~~	~~$0~~	~~$2,555,232~~	~~$2,555,232~~	~~$18.22~~

The SWM cost per square metre is lowest for E3.1_FRST and E3. A SWM pond was not sized for E3.1_FRST and E3 because of the high slope gradient (higher than 10%). This anomalous result is not used in the final calculation of the average SWM cost per square metre to avoid skewing the cost.

5.6 Average SWM Cost / m^2

The SWM cost per square metre was grouped by land-use type. The SWM cost per square metre was averaged between all subcatchments in a land-use type, as seen in **Appendix F.** Based on this simplified approach the conceptual cost of replicating natural assets' hydrologic functions using SWM ponds and LID units was estimated at an average value of **$20.26 / m^2** with a maximum value of **$32.29 / m^2** for forest and an average value of **$108.59 / m^2** with a maximum value of **$218.50 / m^2** for wetland land-use types.

6 CONCLUSIONS AND NEXT STEPS

6.1 Conclusions

The following preliminary conclusions have been based on the results of the modelling completed to date:

- Removal of the wetland natural assets resulted in significant projected increases to peak flow.
- Removal of wetland (i.e., lowland) versus forest (i.e. Upland mix of woodland and/or meadows) natural assets had a similar
- projected impact on reduction of local infiltration potential.
- The wetland natural storage units in the study area are projected to attenuate peak flow more effectively than stormwater ponds designed to replicate the attenuation under climate change conditions.
- The wetland and forest natural assets were projected to perform better than LID measures (i.e., bio-retention cells) at promoting infiltration under climate change conditions.

The climate change analysis shows the superior resiliency of the natural assets as compared to comparable engineered stormwater management infrastructure. Specifically, the natural assets reduce peak flow and capture infiltration better than the stormwater management ponds and LIDs respectively under projected climate change conditions.

If, hypothetically, the natural assets were removed, additional stormwater management ponds and LIDs consuming more area than the current natural assets would be required to replicate the natural assets they would be replacing over the next 50-80 years.

Based on the results of the costing analysis, the following preliminary conclusions have been made:

- The peak flow reduction and infiltration produced from a forest land-use may be replicated at an average value of $20.26 per square metre up to a maximum value of $32.29 per square metre with stormwater ponds and LID units.
- The peak flow reduction and infiltration produced from a wetland land-use may be replicated at an average value of $108.59 per square metre up to a maximum value of $218.50 per square metre with stormwater ponds and LID units.

The wetlands cost more to replicate than the forest land-use subcatchments. The wetlands provide more peak flow reduction and infiltration than the forest land-use subcatchments and cost on average five times more to replicate. The wetlands also provide other unquantified benefits such as the removal of sediment, nitrogen and phosphorous from runoff before entering the Hanlon Creek. The quantifiable hydrologic benefits of the wetland natural assets should be valued at average rate of $108.59 per square metre up to a maximum rate up to $218.50 per square metre by the City, but not replaced because the wetlands provide other unquantified benefits to the local ecosystem.

6.2 Limitations

The PCSWMM model was limited by the availability of observed data and was developed to be a relatively simplified surface hydrology model of the Hanlon Creek subwatershed. The following should be noted as limitations of the model and should be considered if the model is being used for different purposes:

- **Groundwater Table / Bedrock** – The elevation of the groundwater table, its' seasonal variation, and elevation of the bedrock were not considered. A high groundwater table may reduce the infiltration potential and effectiveness of the LIDs.
- **Design Storm Based** – The model used design storms to represent rainfall (non-continuous) during dry conditions. SWM facilities are sized for a specific single hydrologic AES storm event, however other hydrologic events may be considered.
- **Watercourse Representation** – The conduits were a simplified version of the Hanlon Creek and its' tributaries and may require refinement to accurately define the sinuosity, slope, and length of the actual watercourse.
- **LID Quantification** - The LIDs were modelled in a lumped approach, meaning a single size/shape was selected and added as many times as necessary within a catchment to achieve volume capture to infiltration. This approach did not capture potential site-specific variations in infiltration rate.
- **SWM Facility Areas** – The parameters of the catchments with stormwater ponds were not altered to reflect the addition of stormwater ponds. For instance, if a 100% impervious catchment area required a SWM storage facility half the size of the catchment area, it was still considered 100% impervious. The SWM storage facilities should therefore not be considered as literal SWM Ponds within the catchment, but rather as a required storage unit that may take any form, such as an underground basin.
- **Infiltration Rates** – The infiltration rates selected for each catchment were based on existing hydrologic models provided by the City, in addition to estimated values based on Ontario Base Map soil layers. Actual infiltration testing of the soils in the area and confirmation of the actual site-specific infiltration rates would improve the model accuracy.
- **Annual Infiltration** – This model has been prepared to capture flood control and infiltration services provided by natural assets within a single hydrologic model. This is most easily accomplished using a single event-based model, particularly in terms of quantity comparisons and SWM/LID facility physical sizing. Typical groundwater models use longer modelling periods, or multi-year recorded rainfall data for annual comparisons. These two different styles of models, single-event versus long-term continuous, although possible to construct within PCSWMM, would have required different climatology set-ups and rainfall data and result in multiple models

6.3 Opportunities for Further Analyses

The PCSWMM model was developed as a surface hydrology model to fulfill the objectives of the study. The PCSWMM model (provided with the report) has the potential to be modified to study the impacts of additional changes to the Hanlon Creek subwatershed.

Associated Engineering suggests the following recommendations for modifications to the model that could provide supplemental data of value to the City and potentially other stakeholders, such as the GRCA.

- Calibrate the model with pollutant data to compare the water quality benefits provided by the existing natural assets and the stormwater controls. PCSWMM has the capabilities to incorporate this, however it operates with a different SWMM engine, and requires the model to be set up differently from its current quantity-control-focused set up.
- Use historical rainfall data from a rain gage station to create a continuous model and compare the peak flow and infiltration results.
- Pair this model as a continuous model with a separate groundwater model.
- Apply plans for future restoration projects to understand the impact to peak flow reduction at the subwatershed scale.

- Modify in-stream works such as a widening a bridge or adding a dam to understand the impacts to peak flow at the subwatershed scale.
- Pair this model with a separate hydraulic model (HEC-RAS) to understand floodplain impacts related to loss or replacement of natural assets.
- Calibrate the model for sediment load and study the erosion impacts at a subwatershed level, including investigating the watercourse erosion thresholds.
- Wetland infiltration of watercourse overflow is difficult to accurately quantify. The exchange between watercourse and wetland area typically goes back and forth over the course of a storm event, promoting infiltration of runoff that spills over from the watercourse. We have constructed a simplified model of this interaction from a hydrologic perspective; however this should be the subject of a separate study altogether to further improve the accuracy and understanding of the groundwater recharge function of these wetlands.

The services provided by Associated Engineering (Ont.) Ltd. in the preparation of this report were conducted in a manner consistent with the level of skill ordinarily exercised by members of the engineering profession currently practicing under similar conditions. No other warranty expressed or implied is made.

Respectfully Submitted,

Philip De Boer, M.A.Sc, E.I.T,
Civil Designer

Don McBrayne, P.Eng.
Water Resource Engineer

APPENDIX A - RAW DATA PROVIDED FOR MODEL INPUT PARAMETERS

A.1 The Area of Different Soil Types for Each Forest Subcatchment

	SCS Class AB						SCS Class B			SCS Class BC					SCS Class C				
Subcatchment	Burford Loam (ha)	Colford Fine Sandy Loam (ha)	Donnybrook Sandy Loam (ha)	Dumfries Loam (ha)	Fox Sandy Loam (ha)	Total (ha)	Gilford Loam (ha)	Muck (ha)	Total (ha)	Guelph Loam (ha)	London Loam (ha)	Brisbane Loam (ha)	Parkhill Loam (ha)	Total (ha)	Built Up (ha)	Stream Course (ha)	Total (ha)	Suction Head	K (mm/hr)
A1.1_FRST						0.00		0.65	0.65	1.13				1.13	1.85		1.85	227	3
A2.1_FRST						0.00		0.11	0.11	2.94				2.94	0.23		0.23	235	5
A2.2_FRST						0.00		0.24	0.24	1.66				1.66	0.32		0.32	229	5
A3.1_FRST						0.00			0.00	2.26		10.20		12.46	0.73		0.73	238	5
A3.2_FRST	3.34					3.34		0.37	0.37	2.41				2.41	1.29		1.29	193	7
A3.3_FRST	11.40					11.40			0.00					0.00	5.74	0.00	5.74	179	8
A4.1_FRST	1.79					1.79			0.00	2.21				2.21	1.53		1.53	210	6
A4.2_FRST						0.00		3.57	3.57			8.67		8.67	3.91		3.91	220	4
A4.3_FRST	6.43					6.43	0.08	0.81	0.89					0.00	0.78		0.78	154	9
A4.4_FRST	17.04					17.04		1.60	1.60					0.00			0.00	144	10
A4.5_FRST	0.18			0.31		0.49		1.96	1.96					0.00	12.32	0.26	12.58	233	3
A4.6_FRST	8.96			38.87		47.83		8.39	8.39					0.00	4.54		4.54	152	9
B1.1_FRST						0.00			0.00					0.00	3.70		3.70	250	2
B2.1_FRST						0.00		0.00	0.00	0.01				0.01	8.05		8.05	250	2
C1.1_FRST						0.00	2.64		2.64					0.00	0.14		0.14	151	5
D1.1_FRST	8.29			3.92		12.21	16.75	1.20	17.95	0.17				0.17			0.00	146	7
D2.1_FRST	9.59					9.59	9.44	0.00	9.44	0.00				0.00			0.00	145	8
D4.1_FRST	8.08					8.08	4.93		4.93					0.00	0.64		0.64	150	8
E1.1_FRST	14.70					14.70	11.62		11.62					0.00	2.35	4.18	6.54	166	7
E2.1_FRST	0.08					0.08			0.00					0.00	0.29	0.50	0.80	241	3
E3.1_FRST	0.32			5.78		6.10			0.00					0.00	2.12	4.85	6.96	201	6

A.2 The Area of Different Soil Types for Each Wetland Subcatchment

	SCS Class AB						SCS Class B			SCS Class BC					SCS Class C				
Subcatchment	Burford Loam (ha)	Colford Fine Sandy Loam (ha)	Donnybrook Sandy Loam (ha)	Dumfries Loam (ha)	Fox Sandy Loam (ha)	Total (ha)	Gilford Loam (ha)	Muck (ha)	Total (ha)	Guelph Loam (ha)	London Loam (ha)	Brisbane Loam (ha)	Parkhill Loam (ha)	Total (ha)	Built Up (ha)	Stream Course (ha)	Total (ha)	Suction Head	K (mm/hr)
A1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.61	6.61	1.37	0.00	0.00	0.00	1.37	0.40	0.00	0.40	166	5
A2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.72	5.72	5.77	0.00	0.00	0.00	5.77	0.00	0.00	0.00	192	5
A3	28.10	0.00	0.00	0.00	0.00	28.10	0.00	21.43	21.43	2.85	0.00	4.12	0.00	6.97	0.23		0.23	157	8
A4	21.88	0.00	0.00	0.00	0.00	21.88	3.81	63.99	67.79	4.98	0.00	3.88	0.00	8.86	0.63	1.35	1.99	156	6
B1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.08	0.00	3.08	250	2
B2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.91	0.00	2.91	250	2
C1	0.00	0.00	0.00	0.00	0.00	0.00	3.13	0.00	3.13	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	147	5
D1	4.10	0.00	0.00	0.00	0.00	4.10	8.75	0.31	9.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	145	7
D2	2.63	0.00	0.00	0.00	0.00	2.63	14.94	0.00	14.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	146	6
D3	0.00	0.00	0.00	0.00	0.00	0.00	4.03	0.00	4.03	1.58	0.00	0.00	0.00	1.58	0.00	0.00	0.00	172	5
D4	1.09	0.00	0.00	0.00	0.00	1.09	2.43	0.00	2.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	145	7
E1	1.01	0.00	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.92	1.92	213	5
E2	0.13	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.66	0.66	233	3
E3	3.35	0.00	0.00	7.22	0.00	10.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.93	2.51	3.45	170	9

A.3 The Area of Different Land-Use and Hydrologic Groups of Each Land-Use for the Constructed Subcatchments

			Open Space and Park (Park-5%)						Mixed Office Commercial (95%)						Neighbourhood Commercial Centre (95%)					
Sub_ID	Area	%Impervious	A (ha)	B (ha)	C (ha)	D (ha)	N (ha)	Total (ha)	A (ha)	B (ha)	C (ha)	D (ha)	N (ha)	Total (ha)	A (ha)	B (ha)	C (ha)	D (ha)	N (ha)	Total (ha)
A1.1	42.78269	31						**0.000**					1.744	**1.744**					3.162	**3.162**
A2.1	12.9012	20						**0.000**						**0**						**0**
A2.2	8.44264	34						**0.000**						**0**		0.075			0.693	**0.768**
A3.1	6.44601	22						**0.000**						**0**						**0**
A3.2	32.32076	36					0.496	**0.496**					0.435	**0.435**	1.001	0.099			2.383	**3.483**
A3.3	70.21898	23					4.078	**4.078**					1.739	**1.739**						**0**
A4.1	1.02924	20						**0.000**						**0**						**0**
A4.2	9.80983	29						**0.000**						**0**						**0**
A4.3	46.96537	61						**0.000**						**0**						**0**
A4.5	108.7249	29					0.047	**0.047**						**0**						**0**
A4.6	148.863	52	14.53					**14.530**						**0**						**0**
B1.1	0.99721	20						**0.000**						**0**						**0**
B2.1	6.4804	11					3.799	**3.799**						**0**						**0**
C1.1	123.3055	61						**0.000**						**0**						**0**
D1.1	119.8173	61					0.003	**0.003**						**0**						**0**
D2.1	52.2425	54						**0.000**						**0**						**0**
D3.1	36.10892	5						**0.000**						**0**						**0**
D4.1	23.40875	53						**0.000**						**0**						**0**
E1.1	18.00759	23						**0.000**						**0**						**0**
E2.1	9.27285	19					0.374	**0.374**						**0**						**0**
E3.1	22.8162	22	6.9				1.508	**8.408**						**0**					2.442	**2.442**

Table 5.5: Summary of Modifications to Assumed Imperviousness for Different Land Use Segments based on Calibration

Land Use	Initial (Uncalibrated)		Calibrated		Relative Reduction in Directly Connected Imperviousness from Uncalibrated
	Total Imperviousness (%)	Directly Connected Imperviousness (%)	Total Imperviousness (%)	Directly Connected Imperviousness (%)	
Single Detached Residential	30	12 to 26***	20	8 to 17***	-33% to -53%***
Semi-detached Residential	40	16 to 35***	30	12 to 26***	-25% to -26%***
Townhouse	60	24 to 52***	50	20 to 43***	-17%***
Institutional	35	20	30	15	-25%
Commercial	95	95	95	80	-16%
Commercial with ditching	95	95	95	10	NA
Industrial	65	65	65	50	-23%
Industrial with ditching	65	65	65	10	NA
Park	5	0	5	0	0%
AVERAGE	**NA**	**NA**	**NA**	**NA**	**-26%**

***Value varies depending on percentage of directly connected rooftop downspouts

A.3 The Area of Different Land-Use and Hydrologic Groups of Each Land-Use for the Constructed Subcatchments

	Commercial Mixed Use Center (95%)						Medium Density Residential (semi-detached - 30%)						High Density Residential (townhomes - 50%)					
Sub_ID	A (ha)	B (ha)	C (ha)	D (ha)	N (ha)	Total (ha)	A (ha)	B (ha)	C (ha)	D (ha)	N (ha)	Total (ha)	A (ha)	B (ha)	C (ha)	D (ha)	N (ha)	Total (ha)
A1.1						**0**		0.478		0.003	6.058	**6.539**		1.021			0.623	**1.644**
A2.1						**0**					0.001	**0.001**						**0**
A2.2						**0**		2.848		0.001	3.34	**6.189**					0.034	**0.034**
A3.1						**0**		0.075			1.016	**1.091**						**0**
A3.2						**0**	1.131	1.527			8.692	**11.35**		1.242			3.122	**4.364**
A3.3						**0**					10.721	**10.721**						**0**
A4.1						**0**						**0**						**0**
A4.2						**0**		0.073			9.124	**9.197**						**0**
A4.3						**0**						**0**						**0**
A4.5	0.178				10.973	**11.151**	0.014				15.105	**15.119**						**0**
A4.6	4.974					**4.974**						**0**	1.852					**1.852**
B1.1						**0**						**0**						**0**
B2.1						**0**						**0**						**0**
C1.1						**0**						**0**						**0**
D1.1						**0**						**0**						**0**
D2.1						**0**						**0**						**0**
D3.1						**0**						**0**						**0**
D4.1						**0**	0.796		0.662			**1.458**						**0**
E1.1						**0**						**0**						**0**
E2.1						**0**						**0**						**0**
E3.1						**0**						**0**						**0**

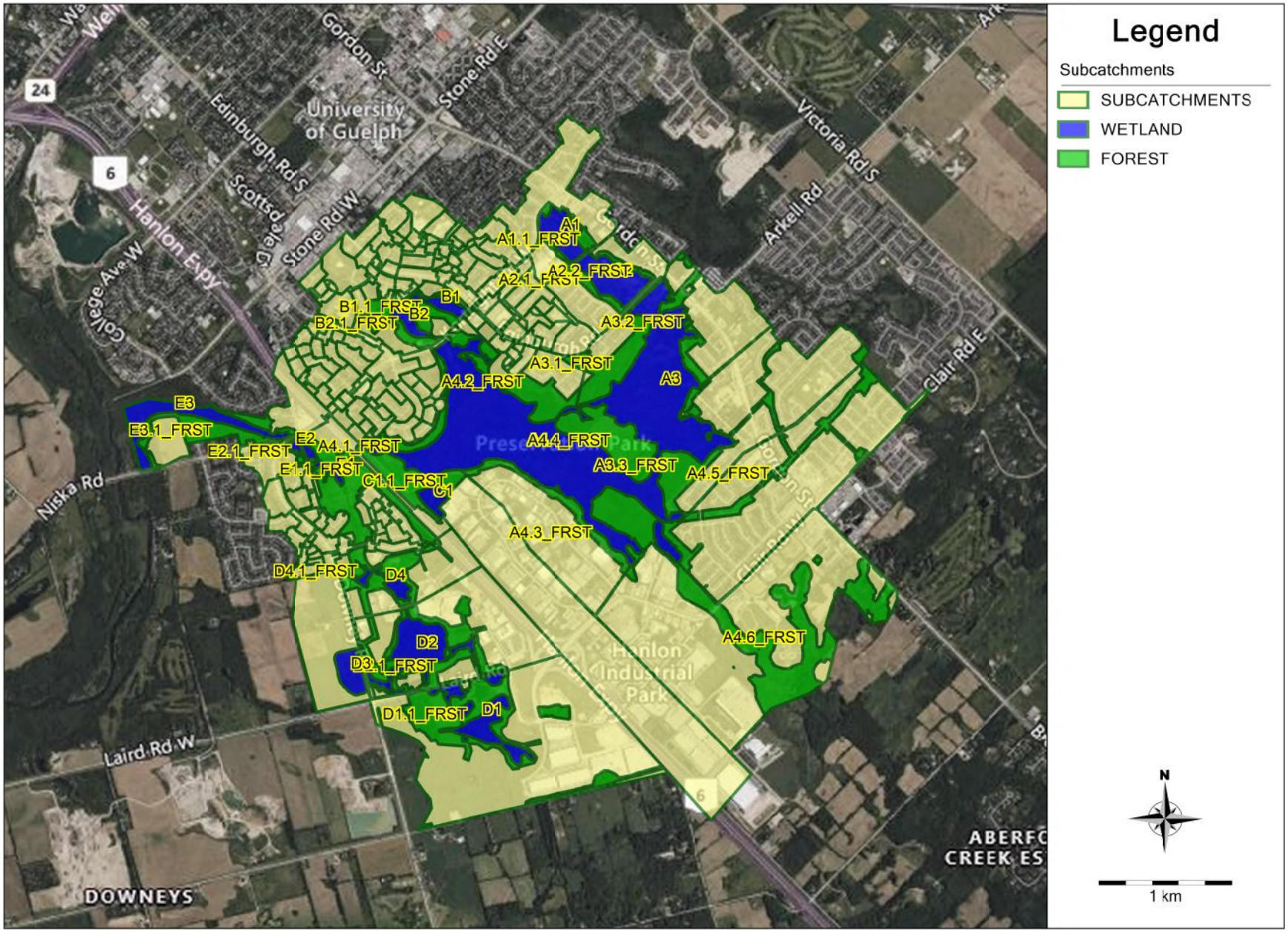
A.3 The Area of Different Land-Use and Hydrologic Groups of Each Land-Use for the Constructed Subcatchments

	Industrial (65%)						Reserve Lands (Park-5%)						Low Density Greenfield (Park-5%)						Service Commercial (95%)					
Sub_ID	A (ha)	B (ha)	C (ha)	D (ha)	N (ha)	Total (ha)	A (ha)	B (ha)	C (ha)	D (ha)	N (ha)	Total (ha)	A (ha)	B (ha)	C (ha)	D (ha)	N (ha)	Total (ha)	A (ha)	B (ha)	C (ha)	D (ha)	N (ha)	Total (ha)
A1.1						**0**						**0**						**0**						**0**
A2.1						**0**						**0**						**0**						**0**
A2.2						**0**						**0**						**0**						**0**
A3.1						**0**						**0**						**0**						**0**
A3.2						**0**						**0**						**0**						**0**
A3.3						**0**						**0**						**0**						**0**
A4.1						**0**						**0**						**0**						**0**
A4.2						**0**						**0**						**0**						**0**
A4.3	2.953		0.049		39.789	**42.791**						**0**						**0**						**0**
A4.5						**0**	0.035					**0.035**	0.035					**0.035**						**0**
A4.6	19.655			2.196	60.962	**82.813**						**0**	7.404					**7.404**	0.052					**0.052**
B1.1						**0**						**0**						**0**						**0**
B2.1						**0**						**0**						**0**						**0**
C1.1	8.046		1.741		84.211	**93.998**						**0**						**0**					10.809	**10.809**
D1.1	70.777	1.887	5.872			**78.536**						**0**						**0**						**0**
D2.1					1.324	**1.324**						**0**						**0**					0.001	**0.001**
D3.1						**0**						**0**						**0**						**0**
D4.1					2.11	**2.11**						**0**						**0**						**0**
E1.1			0.292		0.712	**1.004**						**0**						**0**						**0**
E2.1						**0**						**0**						**0**						**0**
E3.1						**0**						**0**						**0**						**0**

A.3 The Area of Different Land-Use and Hydrologic Groups of Each Land-Use for the Constructed Subcatchments

	Corporate Business Park (Industrial -60%						Low Density Residential (Single-Detached -20%)						Agricultural (5%)					
Sub_ID	A (ha)	B (ha)	C (ha)	D (ha)	N (ha)	Total (ha)	A (ha)	B (ha)	C (ha)	D (ha)	N (ha)	Total (ha)	A (ha)	B (ha)	C (ha)	D (ha)	N (ha)	Total (ha)
A1.1						**0**		4.243		0.091	25.36	**29.694**						**0**
A2.1						**0**		10.445		0.128	2.327	**12.9**						**0**
A2.2						**0**		0.491		0.069	0.892	**1.452**						**0**
A3.1						**0**					5.355	**5.355**						**0**
A3.2						**0**	0.052	0.263			11.878	**12.193**						**0**
A3.3						**0**	0.646				53.035	**53.681**						**0**
A4.1						**0**	0.027				1.002	**1.029**						**0**
A4.2						**0**				0.008	0.605	**0.613**						**0**
A4.3						**0**					4.175	**4.175**						**0**
A4.5						**0**	4.94			0.138	77.078	**82.156**						**0**
A4.6	22.876					**22.876**	7.079				7.243	**14.322**						**0**
B1.1						**0**					0.997	**0.997**						**0**
B2.1						**0**		0.003		0.001	2.677	**2.681**						**0**
C1.1	0.011					**0.011**	6.173				11.945	**18.118**						**0**
D1.1	30.633	0.881	1.56	0.452		**33.526**	6.701	0.66	0.013		0.381	**7.755**						**0**
D2.1	33.633	0.406	7.103	1.85		**42.992**	3.914	0.13	0.457		3.426	**7.927**						**0**
D3.1	0.05		0.002			**0.052**						**0**	26.568	6.284	3.205			**36.057**
D4.1	13.596		1.486		1.708	**16.79**	0.417		0.298		2.337	**3.052**						**0**
E1.1						**0**	4.548		5.767		6.689	**17.004**						**0**
E2.1						**0**	0.002				8.897	**8.899**						**0**
E3.1						**0**	0.165				11.798	**11.963**						**0**

A.4 The Forest and Wetland Subcatchments Delineated in Scenario 1



APPENDIX B - NATURAL ASSET CATCHMENTS

B.1 The Subcatchments that Drain to the Wetland Subcatchments and Calculation of New Area-Weight Parameters

Wetland	Catchment	Area (ha)	Slope (%)	Imperv. (%)	Flow Length
A1	A1.1	42.8127	2.55	31	100
	Final		2.55	31	100
A2	A2.1	12.9012	4.465	20	100
	A2.2	8.44264	5.546	34	100
	Final		4.893	26	100
A3	A3.1	6.44601	4.32	22	100
	A3.2	32.32076	3.055	36	100
	A3.3	70.21898	1.831	23	100
	Final		2.341	27	100
A4	A4.1	1.02924	12.11	20	50
	A4.2	9.80983	3.264	29	100
	A4.3	46.96537	6.754	61	100
	A4.5	108.8003	2.616	29	100
	A4.6	148.9709	3.51	52	100
	HC01-01	6.22	3.5	28.7	49
	HC01-02	2.27	4.2	24.8	45
	HC01-03	1.2	7.1	24.8	69
	HC01-04	2.49	4.2	19.4	60
	HC01-05	2.5	6.3	24.8	50
	HC01-06	1.32	6.7	24.8	67
	HC01-07	0.7	0.8	24.8	44
	HC01-08	0.52	10	24.8	74
	HC01-09	0.66	1.3	24.8	41
	HC01-10	1.14	7.8	24.8	73
	HC01-11	1.39	3.3	24.8	64
	HC01-12	3.1	3.9	24.8	43
	HC05-01	5.99	3.8	12	35
	HC05-02	3.23	3.2	12.4	42
	HC05-03	0.11	2.7	76	10
	HC05-04	0.49	1.1	11.2	28
	HC05-05	0.92	0.5	15	41
	HC05-06	0.42	1.6	16.8	30
	HC05-07	0.73	1.4	13.2	35
	HC05-08	2.2	0.9	13.6	35
	HC05-09	0.27	0.1	13.2	25
	HC05-10	0.35	1.4	17.6	14
	HC05-11	3.17	1.5	5.2	21
	HC06-01	0.32	0.5	15.2	20
	HC06-02	0.65	0.3	14.8	30
	HC06-03	1.49	0.6	0	85
	HC06-04	1.11	0.1	0.4	19
	HC06-05	0.35	1.1	10.8	32
	HC06-06	1.57	2.7	12.8	39
	HC06-07	0.4	5.9	11.2	34
	HC06-08	4.15	2.9	14.4	30
	HC06-09	2.61	3.2	13	25
	HC06-10	2.4	2.9	12.8	34
	HC06-11	0.22	0.6	17.6	14
	HC06-12	0.2	0.7	24.8	15
	HC06-13	0.28	3.7	51.2	30
	HC06-14	1.81	0.4	23	23
	HC06-15	0.12	0.3	80	10
	HC06-16	0.28	1.1	67	23
	HC06-17	1.54	0.4	22	28
	HC06-18	2.66	0.4	55.4	22
	HC06-19	0.03	2.5	80	10
	HC06-20	0.21	0.4	80	10
	HC06-21	1.27	0.1	67	40
	HC06-22	0.06	1.6	80	10
	HC06-23	1.5	0.4	70	42
	HC06-24	0.12	0.9	80	10
	HC06-25	3.35	3.8	17.6	32
	HC06-26	2.64	0.5	25.6	30
	HC06-27	0.16	0.6	76	10
	HC06-28	0.2	0.5	80	40
	HC06-29	1.24	0.6	8	34
	HC06-30	0.33	1.5	48	33
	HC06-32	1.35	0.4	5.2	32
	Final		3.52	40	88

B.1 The Subcatchments that Drain to the Wetland Subcatchments and Calculation of New Area-Weight Parameters

Wetland	Catchment	Area (ha)	Slope (%)	Imperv. (%)	Flow Length
B1	B1.1	0.99721	3.723	20	50
	HC04-01	3.59	0.6	18	40
	HC04-02	0.66	1.5	13.9	33
	HC04-03	1.2	1	14.9	33
	HC04-04	5.28	1.1	18	65
	HC04-05	0.62	2.6	17.6	34
	HC04-06	1.07	0.6	17.6	33
	HC04-07	0.09	0.1	38.4	11
	HC04-08	0.34	1.5	15.5	43
	HC04-09	0.53	1	17.6	36
	HC04-10	0.62	0.6	17.6	35
	HC04-11	0.91	1.6	16.7	28
	HC04-12	2.2	0.7	13.2	32
	HC04-13	0.3	0.6	15.2	26
	HC04-14	2.79	0.3	14	38
	HC04-15	3.91	0.8	14	32
	HC04-16	0.46	1	15.2	30
	HC04-17	2.26	0.9	17.6	25
	HC04-18	0.26	0.1	21.1	15
	HC04-19	1.3	1.5	12	36
	HC04-20	0.56	2.4	12	33
	HC04-21	0.15	1.2	17.2	20
	HC04-22	0.23	0.8	19.2	22
	HC04-23	0.56	2.4	17.6	17
	HC04-24	0.13	5	14.4	32
	HC04-25	0.78	1.5	13.6	33
	HC04-26	0.74	0.1	12.8	38
	HC04-27	0.36	1.4	10.8	33
	HC04-28	0.73	1.4	15.2	38
	HC04-29	3.62	1.1	13.6	33
	HC04-30	1.94	1.5	14	35
	HC04-31	0.48	0.6	28	24
	HC04-32	0.34	0.8	15.2	35
	HC04-33	1.13	0.7	13.6	25
	HC04-34	1.55	0.6	5.6	25
	HC04-35	0.49	1.2	13.6	40
	HC04-36	2.93	2.4	32.5	27
	Final		**1.137**	**16.4**	**36**
B2	B2.1	6.4804	8.395	11	100
	HC03-01	2.24	0.4	32	21
	HC03-02	0.8	3.1	15.2	31
	HC03-03	0.13	5.3	18.8	17
	HC03-04	1.03	2	18.8	30
	HC03-05	0.33	2.3	36.8	19
	HC03-06	5.16	3.3	13.8	33
	HC03-07	1.81	1.5	15.2	31
	HC03-08	4.36	3.5	15.5	33
	HC03-09	1.94	1.3	23.3	40
	HC03-10	1.69	1.9	12	33
	HC03-11	2.51	2.8	16.5	40
	HC03-12	1.18	0.3	14	33
	HC03-13	0.38	0.8	18.8	21
	HC03-14	0.13	0.7	58.4	23
	HC03-15	0.62	1.6	13.6	33
	HC03-16	0.31	1.1	21.2	31
	HC03-17	0.12	2.2	36.8	16
	HC03-18	0.1	0.4	64	10
	HC03-19	7.88	3.5	8.4	20
	HC03-20	1.5	0.6	2.4	30
	HC06-31	1.81	1.8	1.6	24
	HC07-01	3.02	0.2	17.2	33
	HC07-02	1.15	0.5	18.8	29
	HC07-03	0.37	0.6	15.2	15
	HC07-04	0.34	0.8	11.6	34
	HC07-05	0.29	0.1	15.2	34
	HC07-06	2.06	0.3	14	40
	HC07-07	0.38	1	14	40
	HC07-08	0.19	0.1	57.6	40
	HC07-09	0.25	3.3	17.6	27
	Final		**2.90**	**14**	**39**

B.1 The Subcatchments that Drain to the Wetland Subcatchments and Calculation of New Area-Weight Parameters

Wetland	Catchment	Area (ha)	Slope (%)	Imperv. (%)	Flow Length
C1	C1.1	123.3055	2.612	61	100
	Final		**2.612**	**61**	**100**
D1	D1.1	119.81733	2.621	61	100
	Final		**2.621**	**61**	**100**
D2	D2.1	52.2425	1.309	54	100
	Final		**1.309**	**54**	**100**
D3	D3.1	36.10892	4.474	60	100
	Final		**4.474**	**60**	**100**
D4	D4.1	23.40875	1.568	53	100
	HC10-01	4.47	1.7	12.3	42
	HC10-02	2.53	1.3	28.3	48
	HC10-03	1.86	0.4	26.9	44
	HC10-04	1.84	2.8	15.5	44
	HC10-05	2.41	0.5	14.2	45
	HC10-06	1.33	0.6	12.4	36
	HC10-07	1.71	1.2	16.5	35
	HC10-08	1.19	3.7	14.9	25
	HC10-09	1.39	1.1	12.2	44
	HC10-10	0.28	1.9	14.9	30
	HC10-11	0.27	2.1	19.5	17
	HC10-12	0.9	0.7	2.4	21
	HC10-13	0.59	0.8	16	45
	HC10-14	0.46	2.1	16.3	40
	HC10-15	0.4	1.6	16.5	25
	Final		**1.49**	**35**	**71**

B.1 The Subcatchments that Drain to the Wetland Subcatchments and Calculation of New Area-Weight Parameters

Wetland	Catchment	Area (ha)	Slope (%)	Imperv. (%)	Flow Length
E1	E1.1	18.00759	3.079	23	100
	HC02-01	0.37	0.9	37.3	32
	HC02-02	2.17	0.4	50.4	32
	HC02-03	0.19	0.8	43.2	32
	HC02-04	0.41	5	29.2	32
	HC02-05	2.96	2.6	14.8	32
	HC02-06	1.79	1.4	15.2	31
	HC02-07	0.78	0.6	12.8	32
	HC02-08	1.26	1.4	11.6	32
	HC02-09	0.87	0.5	13.6	33
	HC02-10	0.94	0.8	12.4	32
	HC02-11	1.49	1	13.6	32
	HC02-12	2.15	0.3	12.4	33
	HC02-13	0.84	0.6	11.6	32
	HC02-14	0.92	1.1	12	34
	HC02-15	1.6	2.5	13.2	34
	HC02-16	0.51	2.5	14	34
	HC02-17	2.36	1.1	13.2	33
	HC02-18	3.83	3.3	14	33
	HC02-19	1.52	0.1	14.4	33
	HC02-20	0.44	1.3	35.2	16
	HC02-21	3.51	0.9	14.4	35
	HC02-22	2.97	0.8	14.4	33
	HC02-23	0.4	1.1	42.8	25
	HC02-24	0.07	1.8	58.4	12
	HC02-25	1.13	2.9	45.9	22
	HC02-26	0.34	4.8	54.8	20
	HC02-27	0.75	5.1	18	33
	HC02-28	0.57	2.8	18	33
	HC02-29	0.53	0.9	40	33
	HC02-30	1.48	0.3	1.2	32
	HC02-31	2.42	1.8	15.2	34
	HC02-32	2.15	3.2	14.4	34
	HC02-33	0.83	0.5	15.2	34
	HC02-34	0.3	4.5	26	34
	HC02-35	1	0.8	1.6	30
	HC02-36	0.44	2.1	5.6	10
	HC02-37	1.01	2.2	5.2	21
	HC02-38	3.11	0.5	13.6	34
	HC02-39	0.88	0.1	11.6	33
	HC08-01	0.69	0.7	17.2	31
	HC08-02	2.32	0.5	18.8	36
	HC08-03	2	0.4	15.2	34
	HC08-04	0.69	0.6	11.6	48
	HC08-05	0.65	1.1	15.2	34
	HC08-06	1.18	1	14	38
	HC08-07	0.55	1.4	14	41
	HC08-08	0.41	0.4	57.6	19
	HC08-09	1.78	0.5	17.6	35
	HC08-10	1.32	1.4	1.6	20
	HC09-01	0.95	0.3	20	40
	HC09-02	1.03	1	14	34
	HC09-03	0.97	0.6	15.2	36
	HC09-04	2.54	0.9	11.2	31
	HC09-05	2.6	1.3	12.4	37
	HC09-06	1.23	0.7	12	25.8
	HC09-07	0.48	0.3	8	18
	Final		**1.66**	**18**	**46**
E2	E2.1	9.27285	4.9	19	100
	Final		**4.9**	**19**	**100**
E3	E3.1	22.8162	12.425	22	100
	Final		**12.425**	**22**	**100**

APPENDIX C - SWM POND STAGE-STORAGE-DISCHARGE VALUES

C.1 The Stage-Storage Curves of the SWM Ponds for the Forest Subcatchments

A1.1_FRST	
Stage	Area (m2)
0	33
0.5	67
1	100

A2.1_FRST	
Stage	Area (m2)
0	33
0.5	67
1	100

A2.2_FRST	
Stage	Area (m2)
0	33
0.5	67
1	100

A3.1_FRST	
Stage	Area (m2)
0	133
0.5	267
1	400

A3.2_FRST	
Stage	Area (m2)
0	117
0.5	233
1	350

A3.3_FRST	
Stage	Area (m2)
0	567
0.5	1133
1	1700

A4.1_FRST	
Stage	Area (m2)
0	150
0.5	300
1	450

A4.2_FRST	
Stage	Area (m2)
0	283
0.5	567
1	850

A4.3_FRST	
Stage	Area (m2)
0	33
0.5	67
1	100

A4.4_FRST	
Stage	Area (m2)
0	33
0.5	67
1	100

A4.5_FRST	
Stage	Area (m2)
0	133
0.5	267
1	400

A4.6_FRST	
Stage	Area (m2)
0	33
0.5	67
1	100

B1.1_FRST	
Stage	Area (m2)
0	33
0.5	67
1	100

B2.1_FRST	
Stage	Area (m2)
0	333
0.5	667
1	1000

C1.1_FRST	
Stage	Area (m2)
0	33
0.5	67
1	100

D1.1_FRST	
Stage	Area (m2)
0	33
0.5	67
1	100

D2.1_FRST	
Stage	Area (m2)
0	33
0.5	67
1	100

D4.1_FRST	
Stage	Area (m2)
0	33
0.5	67
1	100

E1.1_FRST	
Stage	Area (m2)
0	933
0.5	1867
1	2800

E2.1_FRST	
Stage	Area (m2)
0	33
0.5	67
1	100

C.2 The Stage-Discharge Curves of the SWM Ponds for the Forest Subcatchments

A1.1_FRST	
Head (m)	Outflow (m³/s)
0	0
0.5	0.18
1	0.36

A2.1_FRST	
Head (m)	Outflow (m³/s)
0	0
0.5	0.15
1	0.29

A2.2_FRST	
Head (m)	Outflow (m³/s)
0	0
0.5	0.11
1	0.2

A3.1_FRST	
Head (m)	Outflow (m³/s)
0	0
0.5	0.44
1	0.99

A3.2_FRST	
Head (m)	Outflow (m³/s)
0	0
0.5	0.15
1	0.55

A3.3_FRST	
Head (m)	Outflow (m³/s)
0	0
0.5	0.22
1	0.94

A4.1_FRST	
Head (m)	Outflow (m³/s)
0	0
0.5	0.17
1	0.5

A4.2_FRST	
Head (m)	Outflow (m³/s)
0	0
0.5	0.55
1	1.18

A4.3_FRST	
Head (m)	Outflow (m³/s)
0	0
0.5	0.12
1	0.52

A4.4_FRST	
Head (m)	Outflow (m³/s)
0	0
0.5	0.15
1	0.79

A4.5_FRST	
Head (m)	Outflow (m³/s)
0	0
0.5	0.52
1	1.28

A4.6_FRST	
Head (m)	Outflow (m³/s)
0	0
0.5	0.64
1	2.94

B1.1_FRST	
Head (m)	Outflow (m³/s)
0	0
0.5	0.19
1	0.38

B2.1_FRST	
Head (m)	Outflow (m³/s)
0	0
0.5	0.4
1	0.81

C1.1_FRST	
Head (m)	Outflow (m³/s)
0	0
0.5	0.14
1	0.26

D1.1_FRST	
Head (m)	Outflow (m³/s)
0	0
0.5	0.44
1	1.57

D2.1_FRST	
Head (m)	Outflow (m³/s)
0	0
0.5	0.23
1	0.91

D4.1_FRST	
Head (m)	Outflow (m³/s)
0	0
0.5	0.21
1	0.81

E1.1_FRST	
Head (m)	Outflow (m³/s)
0	0
0.5	0.48
1	1.78

E2.1_FRST	
Head (m)	Outflow (m³/s)
0	0
0.5	0.05
1	0.09

C.3 The Stage-Storage Curves of the SWM Ponds for the Wetland Subcatchments

SWM Pond - A1			
Elevation	Depth (m)	Area (m2)	Area (Ha)
331	0.0	6400	0.64
331.5	0.5	7056	0.71
332	1.0	7744	0.77
332.5	1.5	8464	0.85
333	2.0	9216	0.92
333.5	2.5	10000	1.00
334	3.0	10816	1.08

SWM Pond - A2			
Elevation	Depth (m)	Area (m2)	Area (Ha)
330	0.0	32400	3.24
330.5	0.5	33856	3.39
331	1.0	35344	3.53
331.5	1.5	36864	3.69
332	2.0	38416	3.84
332.5	2.5	40000	4.00
333	3.0	41616	4.16

SWM Pond - A3			
Elevation	Depth (m)	Area (m2)	Area (Ha)
326	0.0	42025	4.20
326.5	0.5	43681	4.37
327	1.0	45369	4.54
327.5	1.5	47089	4.71
328	2.0	48841	4.88
328.5	2.5	50625	5.06
329	3.0	52441	5.24

SWM Pond - A4			
Elevation	Depth (m)	Area (m2)	Area (Ha)
318	0.0	140625	14.06
318.5	0.5	143641	14.36
319	1.0	146689	14.67
319.5	1.5	149769	14.98
320	2.0	152881	15.29
320.5	2.5	156025	15.60
321	3.0	159201	15.92

SWM Pond - B1			
Elevation	Depth (m)	Area (m2)	Area (Ha)
324	0.0	4900	0.49
324.5	0.5	5476	0.55
325	1.0	6084	0.61
325.5	1.5	6724	0.67
326	2.0	7396	0.74
326.5	2.5	8100	0.81
327	3.0	8836	0.88

SWM Pond - B2			
Elevation	Depth (m)	Area (m2)	Area (Ha)
322	0.0	25600.00	2.56
322.5	0.5	26569.00	2.66
323	1.0	27556.00	2.76
323.5	1.5	28561.00	2.86
324	2.0	29584.00	2.96
324.5	2.5	30625.00	3.06
325	3.0	31684.00	3.17

SWM Pond - C1			
Elevation	Depth (m)	Area (m2)	Area (Ha)
319	0.0	15625.00	1.56
319.5	0.5	16641.00	1.66
320	1.0	17689.00	1.77
320.5	1.5	18769.00	1.88
321	2.0	19881.00	1.99
321.5	2.5	21025.00	2.10
322	3.0	22201.00	2.22

SWM Pond - D1			
Elevation	Depth (m)	Area (m2)	Area (Ha)
324.5	0.0	50625	5.06
325	0.5	52441	5.24
325.5	1.0	54289	5.43
326	1.5	56169	5.62
326.5	2.0	58081	5.81
327	2.5	60025	6.00
327.5	3.0	62001	6.20

SWM Pond - D2			
Elevation	Depth (m)	Area (m2)	Area (Ha)
321	0.0	100.00	0.01
321.5	0.5	196.00	0.02
322	1.0	324.00	0.03
322.5	1.5	484.00	0.05
323	2.0	676.00	0.07
323.5	2.5	900.00	0.09
324	3.0	1156.00	0.12

SWM Pond - D3			
Elevation	Depth (m)	Area (m2)	Area (Ha)
321	0.0	13225.00	1.32
321.5	0.5	14161.00	1.42
322	1.0	15129.00	1.51
322.5	1.5	16129.00	1.61
323	2.0	17161.00	1.72
323.5	2.5	18225.00	1.82
324	3.0	19321.00	1.93

SWM Pond - D4			
Elevation	Depth (m)	Area (m2)	Area (Ha)
318	0.0	9025.00	0.90
318.5	0.5	9801.00	0.98
319	1.0	10609.00	1.06
319.5	1.5	11449.00	1.14
320	2.0	12321.00	1.23
320.5	2.5	13225.00	1.32
321	3.0	14161.00	1.42

SWM Pond - E1			
Elevation	Depth (m)	Area (m2)	Area (Ha)
314	0.0	100.00	0.01
314.5	0.5	196.00	0.02
315	1.0	324.00	0.03
315.5	1.5	484.00	0.05
316	2.0	676.00	0.07
316.5	2.5	900.00	0.09
317	3.0	1156.00	0.12

SWM Pond - E2			
Elevation	Depth (m)	Area (m2)	Area (Ha)
314	0.0	144.00	0.01
314.5	0.5	256.00	0.03
315	1.0	400.00	0.04
315.5	1.5	576.00	0.06
316	2.0	784.00	0.08
316.5	2.5	1024.00	0.10
317	3.0	1296.00	0.13

APPENDIX D - LID QUANTITIES

D.1 The Sizing of the LID Units for the Forest Subcatchments

Subcatchment	Scenario 1 Infiltration (mm)	Scenario 4 Infiltration (mm)	Additional Infiltration (%)	# of LID Units	LID Area (ha)
A1.1_FRST	54.42	54.87	0.8	5	0.2
A2.1_FRST	67	68.6	2.4	4	0.16
A2.2_FRST	66.58	70.97	6.6	5	0.2
A3.1_FRST	68.73	69.2	0.7	18	0.72
A3.2_FRST	66.83	67.94	1.7	16	0.64
A3.3_FRST	72.8	73.23	0.6	28	1.12
A4.1_FRST	60.72	62.53	3.0	7	0.28
A4.2_FRST	63.49	63.86	0.6	27	1.08
A4.3_FRST	73.46	74.01	0.7	30	1.2
A4.4_FRST	78.83	78.95	0.2	39	1.56
A4.5_FRST	56.43	56.46	0.1	21	0.84
A4.6_FRST	75.83	76.09	0.3	208	8.32
B1.1_FRST	47.04	50.02	6.3	4	0.16
B2.1_FRST	47.25	47.33	0.2	4	0.16
C1.1_FRST	61.99	65.25	5.3	9	0.36
D1.1_FRST	68.74	69.14	0.6	107	4.28
D2.1_FRST	72.92	72.98	0.1	64	2.56
D4.1_FRST	71.12	71.91	1.1	44	1.76
E1.1_FRST	68.98	69.1	0.2	54	2.16
E2.1_FRST	54.19	58.07	7.2	1	0.04
E3.1_FRST	60.42	61.13	1.2	16	0.64

D.2 The Sizing of the LID Units for the Wetland Subcatchments

Subcatchment	Scenario 1 Infiltration (mm)	Scenario 5 Infiltration (mm)	Additional Infiltration (%)	# of LID Units	LID Area (ha)
A1	73.65	74.91	1.7	22	0.88
A2	79.19	79.19	0.0	31	1.24
A3	115.76	115.9	0.1	310	12.40
A4	184.22	185.31	0.6	1130	45.20
B1	50.78	51.37	1.2	3	0.12
B2	55.69	57.62	3.5	4	0.16
C1	86.7	91.28	5.3	17	0.68
D1	89.79	90.55	0.8	71	2.84
D2	81.9	82.25	0.4	75	3.00
D3	141.22	141.8	0.4	51	2.04
D4	116.88	117.59	0.6	13	0.52
E1	247.33	252.82	2.2	35	1.40
E2	164.62	169.48	3.0	5	0.20
E3	83.32	83.74	0.5	32	1.28

APPENDIX E – AES STORM EVENTS

E.1 100 and 10 Year AES Storm Events

100 Year 12 Hour AES Storm Event	
Time (hours)	Intensity (mm/hr)
0	0
0:15	1.01
0:30	1.01
0:45	1.01
1:00	1.01
1:15	1.01
1:30	1.01
1:45	1.01
2:00	1.01
2:15	5.81
2:30	5.81
2:45	5.81
3:00	5.81
3:15	16.65
3:30	16.65
3:45	16.65
4:00	16.65
4:15	44.93
4:30	44.93
4:45	44.93
5:00	44.93
5:15	12.74
5:30	12.74
5:45	12.74
6:00	12.74
6:15	6.82
6:30	6.82
6:45	6.82
7:00	6.82
7:15	3.91
7:30	3.91
7:45	3.91
8:00	3.91
8:15	1.90
8:30	1.90
8:45	1.90
9:00	1.90
9:15	1.01
9:30	1.01
9:45	1.01
10:00	1.01
10:15	1.01
10:30	1.01
10:45	1.01
11:00	1.01

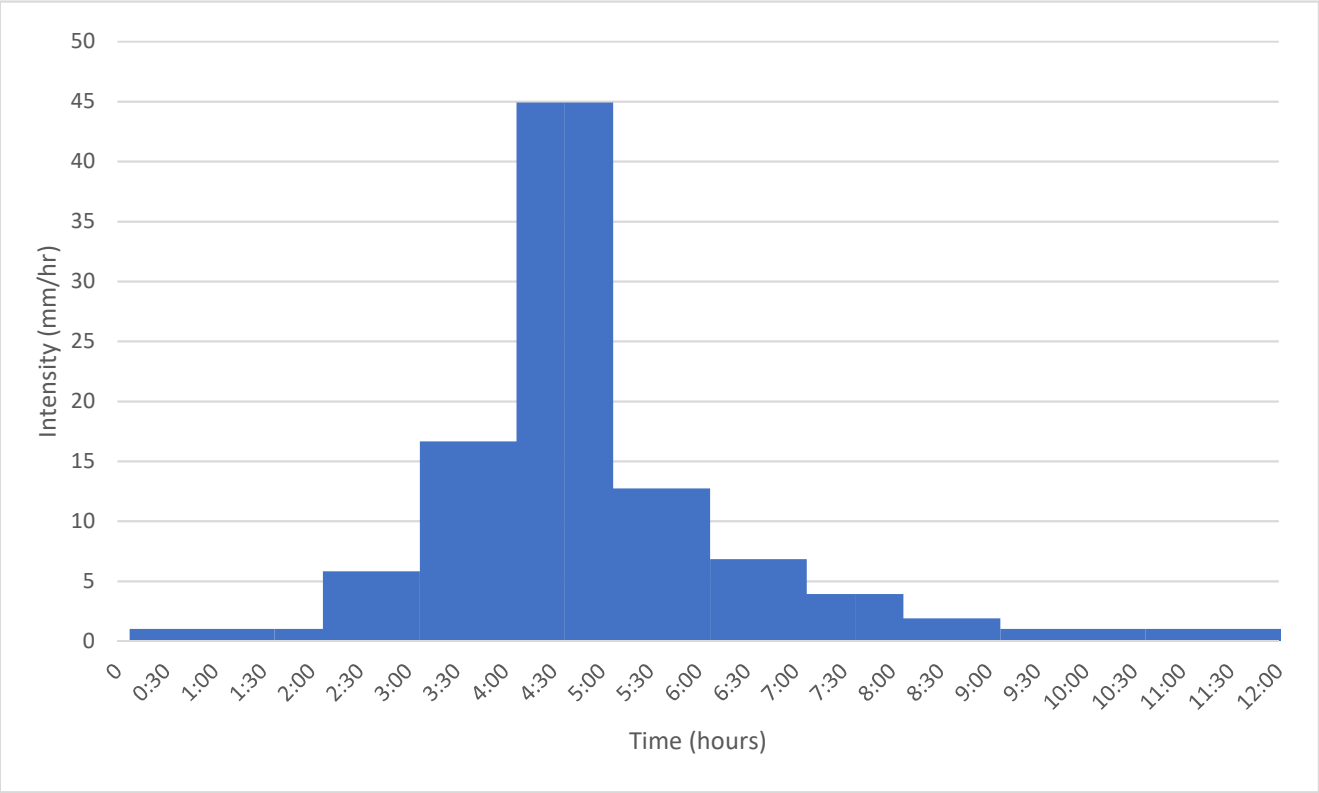
10 Year 12 Hour AES Storm Event	
Time (hours)	Intensity (mm/hr)
0	0
0:15	0.69
0:30	0.69
0:45	0.69
1:00	0.69
1:15	0.69
1:30	0.69
1:45	0.69
2:00	0.69
2:15	3.97
2:30	3.97
2:45	3.97
3:00	3.97
3:15	11.38
3:30	11.38
3:45	11.38
4:00	11.38
4:15	30.69
4:30	30.69
4:45	30.69
5:00	30.69
5:15	8.70
5:30	8.70
5:45	8.70
6:00	8.70
6:15	4.66
6:30	4.66
6:45	4.66
7:00	4.66
7:15	2.67
7:30	2.67
7:45	2.67
8:00	2.67
8:15	1.30
8:30	1.30
8:45	1.30
9:00	1.30
9:15	0.69
9:30	0.69
9:45	0.69
10:00	0.69
10:15	0.69
10:30	0.69
10:45	0.69
11:00	0.69

E.1 100 and 10 Year AES Storm Events

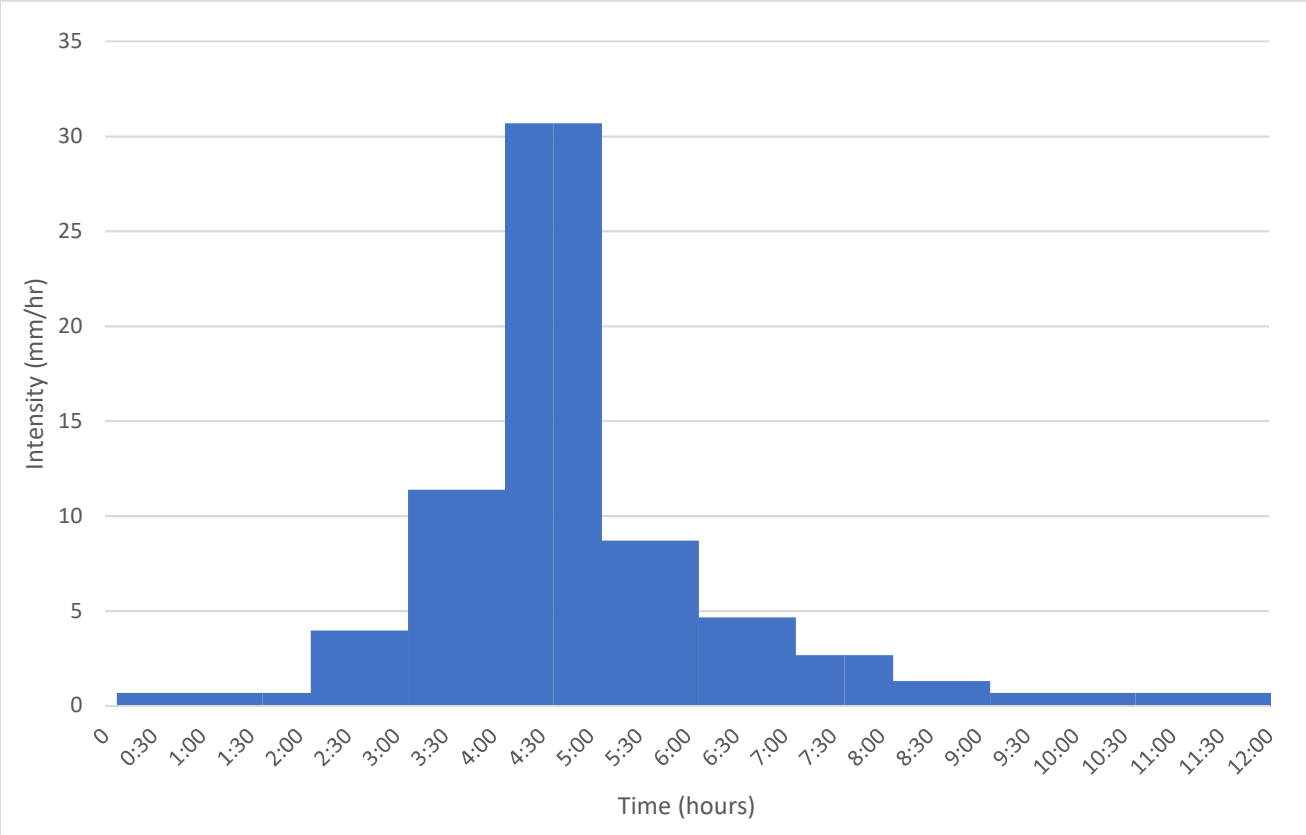
Time (hours)	Intensity (mm/hr)
11:15	1.01
11:30	1.01
11:45	1.01
12:00	1.01

Time (hours)	Intensity (mm/hr)
11:15	0.69
11:30	0.69
11:45	0.69
12:00	0.69

E.1 100 and 10 Year AES Storm Events



100 Year 12 Hour AES Hydrograph



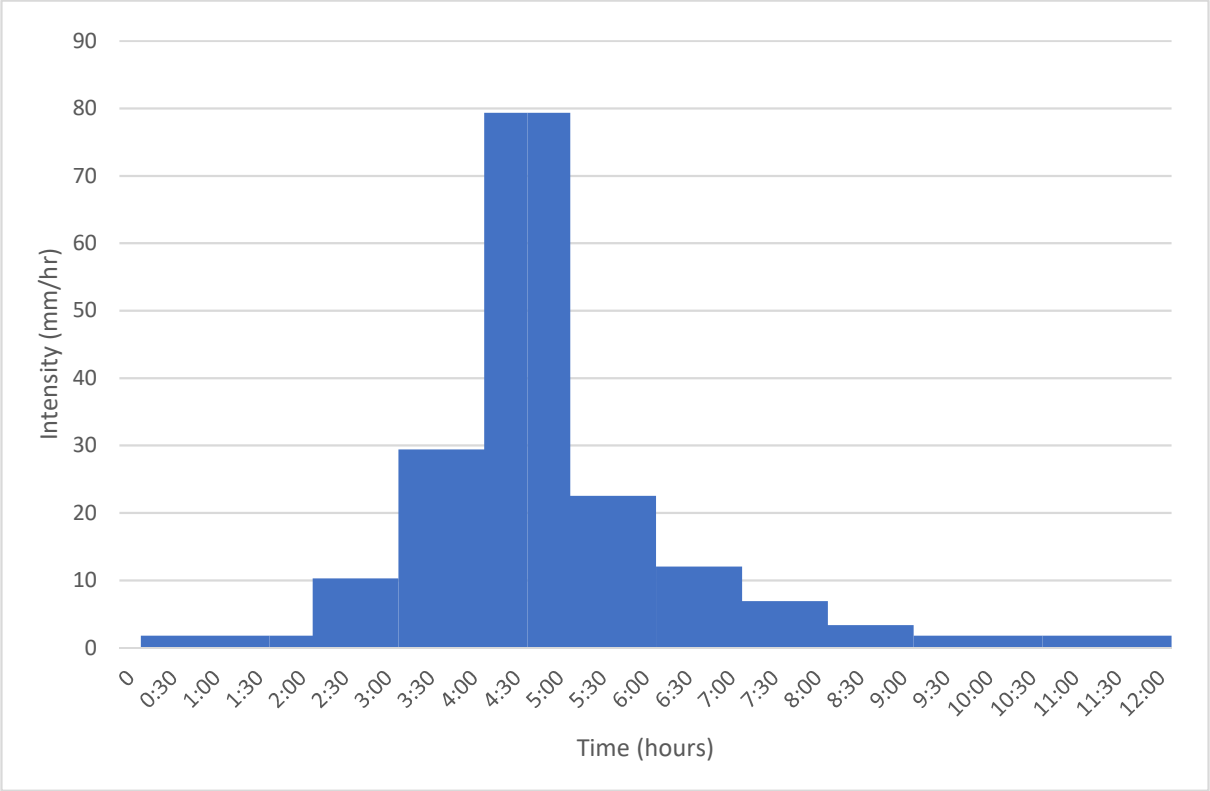
10 Year 12 Hour AES Hydrograph

E.2 Climate Change 100-Year AES Storm Events

Climate Change 100 Year 12 Hour AES Storm Event	
Time (hours)	Intensity (mm/hr)
0	0
0:15	1.78
0:30	1.78
0:45	1.78
1:00	1.78
1:15	1.78
1:30	1.78
1:45	1.78
2:00	1.78
2:15	10.26
2:30	10.26
2:45	10.26
3:00	10.26
3:15	29.40
3:30	29.40
3:45	29.40
4:00	29.40
4:15	79.33
4:30	79.33
4:45	79.33
5:00	79.33
5:15	22.50
5:30	22.50
5:45	22.50
6:00	22.50
6:15	12.04
6:30	12.04
6:45	12.04
7:00	12.04
7:15	6.91
7:30	6.91
7:45	6.91
8:00	6.91
8:15	3.35
8:30	3.35
8:45	3.35
9:00	3.35
9:15	1.78
9:30	1.78
9:45	1.78
10:00	1.78
10:15	1.78
10:30	1.78

E.2 Climate Change 100-Year AES Storm Events

10:45	1.78
11:00	1.78
11:15	1.78
Time (hours)	**Intensity (mm/hr)**
11:30	1.78
11:45	1.78
12:00	1.78



Climate Change 100 Year 12 Hour AES Hydrograph

APPENDIX F - COSTING ANALYSIS

F.1 Individual Unit Prices from Tender Packages and Past Projects

Bid Items	Unit of Measure	Unit Price 1	Unit Price 2	Halton Region Average	Average
General					
Bonds and Insurance	LS		$8,127.00		$25,000.00
Layout by Contractor	each		$3,412.50		$25,000.00
Mobilization/Demobilization	LS	$96,125.00	$20,115.90		$50,000.00
Construction / Tree Protection Fence	m	$26.00			$26.00
Siltation Fence	m	$26.00	$8.42		$17.21
Mud Mat/Access Routes	each		$1,315.00		$1,315.00
Calcium Chloride	tonne			$1,303.93	$1,303.93
Traffic and Pedestrian Control	LS		$630.00		$630.00
Straw Bale Check Dams	each	$432.00	$525.00		$478.50
Site Preperation					
Clearing and Grubbing Trees	m2	$0.86	$0.32		$0.59
Clearing and Grubbing Grass Area	m2	$0.64			$0.64
Stripping and Stock Piling Topsoil	m3	$5.93	$3.31		$4.62
Preparation of Subgrade/Rough Grade	m3	$3.91	$3.00		$3.46
Disposal of Non Hazardous Waste	tonne	$20.71			$20.71
SWM Pond					
Turfstone (Access Road)	m2			$85.00	$85.00
Concrete Block Mat	m2	$105.00			$105.00
Dewater SWM Facility Area	m2			$1.70	$1.70
Rip Rap R10	m2			$80.00	$80.00
Rip Rap R50	m2			$89.50	$89.50
Clay Liner/Seal	m2	$11.29			$11.29
Storm Sewers					
Ditch Inlet Strucuture	each	$8,700.00			$8,700.00
Pond Outlet Strucutre	each	$12,000.00			$12,000.00
Pond Outlet Piping (450mm)	m	$221.00			$221.00
Pond Outlet Piping (300mm)	m	$230.00			$230.00
Stormwater Control Chamber	each	$18,500.00			$18,500.00
Concrete Culvert (600mm)	m	$478.00			$478.00
Restoration					
Topsoil and Upland Seeding Mix	m2	$3.00			$3.00
Topsoil and Lowland Seeding Mix	m2	$3.86			$3.86
Planting Tree's	each	$453.00			$453.00
Planting Shrubs	each	$29.00			$29.00
Imported Topsoil	m3	$27.85	$9.00		$18.43
Maintenance	m2			$10.00	$10.00
LIDs					
Geotextile Layer Terrafix 270R	m2			$3.15	$3.15
Clear Stone Layer	tonne			$29.55	$29.55
Pea Gravel Layer	tonne			$42.25	$42.25
Soil Media Layer	m3			$59.50	$59.50

F.2 The Quantities and Total Cost of 4 Different Sizes of Pond Blocks

0.01ha Pond Block				
Bid Item	**Unit of Measure**	**Quantity**	**Unit Price**	**Total Price**
General				
Mobilization/Demobilization	Lump Sum	1	$12,500	$12,500
Bonds and Insurance	Lump Sum	1	$6,250	$6,250
Layout by Contractor	Lump Sum	1	$6,250	$6,250
Construction / Tree Protection Fence	m	20	$26	$520
Siltation Fence	m	40	$17	$688
Mud Mat/Access Routes	each	1	$1,315	$1,315
Traffic and Pedestrian Control	LS	1	$630	$630
Calcium Chloride	tonne	1	$1,304	$1,304
Site Preparation				
Clearing and Grubbing Trees	m2	50	$0.59	$30
Clearing and Grubbing Grass Area	m2	100	$0.64	$64
Stripping and Stock Piling Topsoil	m3	7.5	$4.62	$35
Preparation of Subgrade (Forest)	m3	100	$3.46	$346
Preparation of Subgrade (Wetland)	m3	300	$3.46	$1,038
Disposal of Non Hazardous Waste (Forest)	tonne	185	$20.71	$3,831
Disposal of Non Hazardous Waste (Wetland)	tonne	585	$20.71	$12,115
Stormwater Infrastructure				
Ditch Inlet Strucuture	each	1	$8,700	$8,700
Concrete Inlet Piping (600mm)	m	25	$478	$11,950
PVC Outlet Piping (300mm)	m	25	$230	$5,750
PVC Outlet Piping (450mm)	m	75	$221	$16,575
Pond Outlet Strucutre	each	1	$12,000	$12,000
Stormwater Control Chamber	each	1	$18,500	$18,500
Stormwater Management Pond				
Dewater SWM Facility Area	m2	100	$1.70	$170
Clay Liner/Seal	m2	100	$11	$1,129
Concrete Block Mat	m2	150	$105	$15,750
Rip Rap R10	m2	100	$80	$8,000
Rip Rap R50	m2	50	$90	$4,475
Turfstone (Access Road)	m2	500	$85	$42,500
Restoration / Vegetation				
Topsoil and Upland Seeding Mix	m2	15	$3.00	$45
Topsoil and Lowland Seeding Mix	m2	10	$3.86	$39
Imported Topsoil	m3	7.5	$18.43	$138
Planting Tree's	each	1	$453	$453
Planting Shrubs	each	4	$29	$116
Maintenance	m2	100	$10	$1,000

Land-Use Type	Total Cost	Cost/m2
Forest	$179,924	$1,799.24
Wetland	$190,029	$1,900.29

F.2 The Quantities and Total Cost of 4 Different Sizes of Pond Blocks

0.1ha Pond Block				
Bid Item	**Unit of Measure**	**Quantity**	**Unit Price**	**Total Price**
General				
Mobilization/Demobilization	Lump Sum	1	$25,000	$25,000
Bonds and Insurance	Lump Sum	1	$12,500	$12,500
Layout by Contractor	Lump Sum	1	$12,500	$12,500
Construction / Tree Protection Fence	m	63	$26	$1,644
Siltation Fence	m	126	$17	$2,177
Mud Mat/Access Routes	each	2	$1,315	$2,630
Traffic and Pedestrian Control	LS	1	$1,260	$1,260
Calcium Chloride	tonne	2	$1,304	$2,608
Site Preparation				
Clearing and Grubbing Trees	m2	500	$0.59	$295
Clearing and Grubbing Grass Area	m2	1000	$0.64	$640
Stripping and Stock Piling Topsoil	m3	75	$4.62	$347
Preparation of Subgrade/Rough Grade	m3	1000	$3.46	$3,460
Preparation of Subgrade/Rough Grade	m3	3000	$3.46	$10,380
Disposal of Non Hazardous Waste (Forest)	tonne	1850	$20.71	$38,314
Disposal of Non Hazardous Waste (Wetland)	tonne	5850	$20.71	$121,154
Stormwater Infrastructure				
Ditch Inlet Strucuture	each	1	$8,700	$8,700
Concrete Inlet Piping (600mm)	m	25	$478	$11,950
PVC Outlet Piping (300mm)	m	25	$230	$5,750
PVC Outlet Piping (450mm)	m	75	$221	$16,575
Pond Outlet Strucutre	each	1	$12,000	$12,000
Stormwater Control Chamber	each	1	$18,500	$18,500
Stormwater Management Pond				
Dewater SWM Facility Area	m2	1000	$1.70	$1,700
Clay Liner/Seal (Wetland Only)	m2	1000	$11	$11,290
Concrete Block Mat	m2	150	$105	$15,750
Rip Rap R10	m2	100	$80	$8,000
Rip Rap R50	m2	50	$90	$4,475
Turfstone (Access Road)	m2	500	$85	$42,500
Restoration / Vegetation				
Topsoil and Upland Seeding Mix	m2	150	$3.00	$450
Topsoil and Lowland Seeding Mix	m2	100	$3.86	$386
Imported Topsoil	m3	75	$18.43	$1,382
Planting Tree's	each	10	$453	$4,530
Planting Shrubs	each	40	$29	$1,160
Maintenance	m2	1000	$10	$10,000

Land-Use Type	Total Cost	Cost/m2
Forest	$267,182	$267.18
Wetland	$368,232	$368.23

F.2 The Quantities and Total Cost of 4 Different Sizes of Pond Blocks

1 ha Pond Block				
Bid Item	**Unit of Measure**	**Quantity**	**Unit Price**	**Total Price**
General				
Mobilization/Demobilization	Lump Sum	1	$50,000	$50,000
Bonds and Insurance	Lump Sum	1	$25,000	$25,000
Layout by Contractor	Lump Sum	1	$25,000	$25,000
Construction / Tree Protection Fence	m	200	$26	$5,200
Siltation Fence	m	400	$17	$6,884
Mud Mat/Access Routes	each	3	$1,315	$3,945
Traffic and Pedestrian Control	LS	1	$2,520	$2,520
Calcium Chloride	tonne	3	$1,304	$3,912
Site Preparation				
Clearing and Grubbing Trees	m2	5000	$0.59	$2,954
Clearing and Grubbing Grass Area	m2	10000	$0.64	$6,400
Stripping and Stock Piling Topsoil	m3	750	$4.62	$3,465
Preparation of Subgrade/Rough Grade	m3	10000	$3.46	$34,600
Preparation of Subgrade/Rough Grade	m3	30000	$3.46	$103,800
Disposal of Non Hazardous Waste (Forest)	tonne	18500	$20.71	$383,135
Disposal of Non Hazardous Waste (Wetland)	tonne	58500	$20.71	$1,211,535
Stormwater Infrastructure				
Ditch Inlet Strucuture	each	1	$8,700	$8,700
Concrete Inlet Piping (600mm)	m	25	$478	$11,950
PVC Outlet Piping (300mm)	m	25	$230	$5,750
PVC Outlet Piping (450mm)	m	75	$221	$16,575
Pond Outlet Strucutre	each	1	$12,000	$12,000
Stormwater Control Chamber	each	1	$18,500	$18,500
Stormwater Management Pond				
Dewater SWM Facility Area	m2	10000	$1.70	$17,000
Clay Liner/Seal (Wetland Only)	m2	10000	$11	$112,900
Concrete Block Mat	m2	150	$105	$15,750
Rip Rap R10	m2	100	$80	$8,000
Rip Rap R50	m2	50	$90	$4,475
Turfstone (Access Road)	m2	500	$85	$42,500
Restoration / Vegetation				
Topsoil and Upland Seeding Mix	m2	1500	$3.00	$4,500
Topsoil and Lowland Seeding Mix	m2	1000	$3.86	$3,860
Imported Topsoil	m3	750	$18.43	$13,819
Planting Tree's	each	100	$453	$45,300
Planting Shrubs	each	400	$29	$11,600
Maintenance	m2	10000	$10	$100,000

Land-Use Type	Total Cost	Cost/m2
Forest	$893,293	$89.33
Wetland	$1,903,793	$190.38

F.2 The Quantities and Total Cost of 4 Different Sizes of Pond Blocks

20 ha Pond Block				
Bid Item	**Unit of Measure**	**Quantity**	**Unit Price**	**Total Price**
General				
Mobilization/Demobilization	Lump Sum	1	$200,000	$200,000
Bonds and Insurance	Lump Sum	1	$100,000	$100,000
Layout by Contractor	Lump Sum	1	$100,000	$100,000
Construction / Tree Protection Fence	m	894	$26	$23,255
Siltation Fence	m	1789	$17	$30,786
Mud Mat/Access Routes	each	8	$1,315	$10,520
Traffic and Pedestrian Control	LS	1	$10,080	$10,080
Calcium Chloride	tonne	8	$1,304	$10,431
Site Preparation				
Clearing and Grubbing Trees	m2	100000	$0.59	$59,071
Clearing and Grubbing Grass Area	m2	200000	$0.64	$128,000
Stripping and Stock Piling Topsoil	m3	15000	$4.62	$69,300
Preparation of Subgrade/Rough Grade	m3	200000	$3.46	$692,000
Preparation of Subgrade/Rough Grade	m3	600000	$3.46	$2,076,000
Disposal of Non Hazardous Waste (Forest)	tonne	370000	$20.71	$7,662,700
Disposal of Non Hazardous Waste (Wetland)	tonne	1170000	$20.71	$24,230,700
Stormwater Infrastructure				
Ditch Inlet Strucuture	each	1	$8,700	$8,700
Concrete Inlet Piping (600mm)	m	25	$478	$11,950
PVC Outlet Piping (300mm)	m	25	$230	$5,750
PVC Outlet Piping (450mm)	m	75	$221	$16,575
Pond Outlet Strucutre	each	1	$12,000	$12,000
Stormwater Control Chamber	each	1	$18,500	$18,500
Stormwater Management Pond				
Dewater SWM Facility Area	m2	200000	$1.70	$340,000
Clay Liner/Seal	m2	200000	$11	$2,258,000
Concrete Block Mat	m2	150	$105	$15,750
Rip Rap R10	m2	100	$80	$8,000
Rip Rap R50	m2	50	$90	$4,475
Turfstone (Access Road)	m2	500	$85	$42,500
Restoration / Vegetation				
Topsoil and Upland Seeding Mix	m2	30000	$3.00	$90,000
Topsoil and Lowland Seeding Mix	m2	20000	$3.86	$77,200
Imported Topsoil	m3	15000	$18.43	$276,375
Planting Tree's	each	2000	$453	$906,000
Planting Shrubs	each	8000	$29	$232,000
Maintenance	m2	200000	$10	$2,000,000

Land-Use Type	Total Cost	Cost/m2
Forest	$13,161,919	$65.81
Wetland	$33,371,919	$166.86

F.3 Plots and Equations of the Cost-Area Relationship

WETLAND		
Size (ha)	**Total Cost**	**Cost / m2**
0.01	$190,029	**$1,900.29**
0.1	$368,232	**$368.23**
1	$1,903,793	**$190.38**
20	$33,371,919	**$166.86**

Equation from Graph
y = 166.0146 + (90108560 - 166.0146)/(1+(x/0.00000008821137)^0.9329635
R2 = 0.99

FOREST		
Size	**Total Cost**	**Cost / m2**
0.01	$179,924	**$1,799.24**
0.1	$267,182	**$267.18**
1	$893,293	**$89.33**
20	$13,161,919	**$65.81**

Equation from Graph
y = 64.96463 + (90106520 - 64.96463)/(1+(x/0.00000008821341)^0.9329635
R2 = 0.99

F.4 The Total Cost for Construction of Stormwater Ponds

SWM Pond	Pond Area (sized) (ha)	Pond Block Area (ha)	Wetland			Forest		
			Area (ha)	Cost/m2	Total Cost	Area (ha)	Cost/m2	Total Cost
A1.1_FRST	0.01	0.011				0.011	$1,651.68	$181,685
A2.1_FRST	0.01	0.011				0.011	$1,651.68	$181,685
A2.2_FRST	0.01	0.011				0.011	$1,651.68	$181,685
A3.1_FRST	0.04	0.044				0.044	$500.28	$220,123
A3.2_FRST	0.035	0.039				0.039	$558.03	$214,843
A3.3_FRST	0.17	0.187				0.187	$177.83	$332,533
A4.1_FRST	0.045	0.050				0.050	$454.98	$225,215
A4.2_FRST	0.085	0.094				0.094	$280.44	$262,208
A4.3_FRST	0.01	0.011				0.011	$1,651.68	$181,685
A4.4_FRST	0.01	0.011				0.011	$1,651.68	$181,685
A4.5_FRST	0.04	0.044				0.044	$500.28	$220,123
A4.6_FRST	0.01	0.011				0.011	$1,651.68	$181,685
B1.1_FRST	0.01	0.011				0.011	$1,651.68	$181,685
B2.1_FRST	0.1	0.110				0.110	$250.12	$275,135
C1.1_FRST	0.01	0.011				0.011	$1,651.68	$181,685
D1.1_FRST	0.01	0.011				0.011	$1,651.68	$181,685
D2.1_FRST	0.01	0.011				0.011	$1,651.68	$181,685
D4.1_FRST	0.01	0.011				0.011	$1,651.68	$181,685
E1.1_FRST	0.28	0.308				0.308	$135.82	$418,319
E2.1_FRST	0.01	0.011				0.011	$1,651.68	$181,685
A1	1.08	1.190	1.190	$186.10	$2,214,097			
A2	4.16	4.578	4.578	$171.73	$7,861,258			
A3	5.24	5.769	5.769	$170.62	$9,842,162			
A4	15.92	17.512	17.512	$167.65	$29,358,778			
B1	0.88	0.972	0.972	$190.27	$1,849,301			
B2	3.17	3.485	3.485	$173.38	$6,042,779			
C1	2.22	2.442	2.442	$176.28	$4,304,981			
D1	6.20	6.820	6.820	$169.95	$11,590,969			
D2	0.12	0.127	0.127	$327.75	$416,767			
D3	1.93	2.125	2.125	$177.70	$3,776,722			
D4	1.42	1.558	1.558	$181.63	$2,829,303			
E1	0.12	0.127	0.127	$327.75	$416,767			
E2	0.13	0.143	0.143	$311.39	$443,915			

F.5 The Quantities and Total Cost of a LID Unit

BIO-RETENTION CELL				
Bid Item	**Unit of Measure**	**Quantity**	**Unit Price**	**Total Price**
General				
Mobilization/Demobilization	LS	1	$2,000	$2,000
Bonds and Insurance	LS	1	$2,000	$2,000
Layout by Contractor	LS	1	$1,500	$1,500
Construction / Tree Protection Fence	m	50	$26	$1,300
Siltation Fence	m	100	$17	$1,721
Mud Mat/Access Routes	each	1	$1,315	$1,315
Traffic and Pedestrian Control	LS	1	$630	$630
Site Preparation				
Clearing and Grubbing Trees	m2	400	$1.00	$400
Clearing and Grubbing Grass Area	m2	400	$1.00	$400
Disposal of Non Hazardous Waste	tonne	1020	$21	$21,124
Preparation of Subgrade/Rough Grade	m3	560	$3.46	$1,938
LID Facility				
Geotextile Layer Terrafix 270R	m2	400	$3.15	$1,260
Clear Stone Layer	tonne	180	$30	$5,319
Pea Gravel Layer	tonne	108	$42	$4,563
Soil Media Layer	m3	400	$60	$23,800
Straw Bale Check Dams	each	4	$479	$1,914
Restoration/Vegetation				
Topsoil and Upland Seeding Mix	m2	300	$3.00	$900
Topsoil and Lowland Seeding Mix	m2	100	$3.86	$386
Planting Tree's	each	4	$453	$1,812
Planting Shrubs	each	16	$29	$464
Imported Topsoil	m3	60	$18	$1,106
Maintenance	m2	400	$10	$4,000

Total Cost:	**$79,851**

F.6 The Total Construction Cost of an LID Units

Subcatchment	# of LID Units	Cost
A1	22	$1,756,722
A2	31	$2,475,381
A3	310	$24,753,810
A4	1130	$90,231,630
B1	3	$239,553
B2	4	$319,404
C1	17	$1,357,467
D1	71	$5,669,421
D2	75	$5,988,825
D3	51	$4,072,401
D4	13	$1,038,063
E1	35	$2,794,785
E2	5	$399,255
E3	32	$2,555,232
A1.1_FRST	5	$399,255
A2.1_FRST	4	$319,404
A2.2_FRST	5	$399,255
A3.1_FRST	18	$1,437,318
A3.2_FRST	16	$1,277,616
A3.3_FRST	28	$2,235,828
A4.1_FRST	7	$558,957
A4.2_FRST	27	$2,155,977
A4.3_FRST	30	$2,395,530
A4.4_FRST	39	$3,114,189
A4.5_FRST	21	$1,676,871
A4.6_FRST	208	$16,609,008
B1.1_FRST	4	$319,404
B2.1_FRST	4	$319,404
C1.1_FRST	9	$718,659
D1.1_FRST	107	$8,544,057
D2.1_FRST	64	$5,110,464
D4.1_FRST	44	$3,513,444
E1.1_FRST	54	$4,311,954
E2.1_FRST	1	$79,851
E3.1_FRST	16	$1,277,616

F.7 The Total Construction Cost of the Stormwater Management Strategies

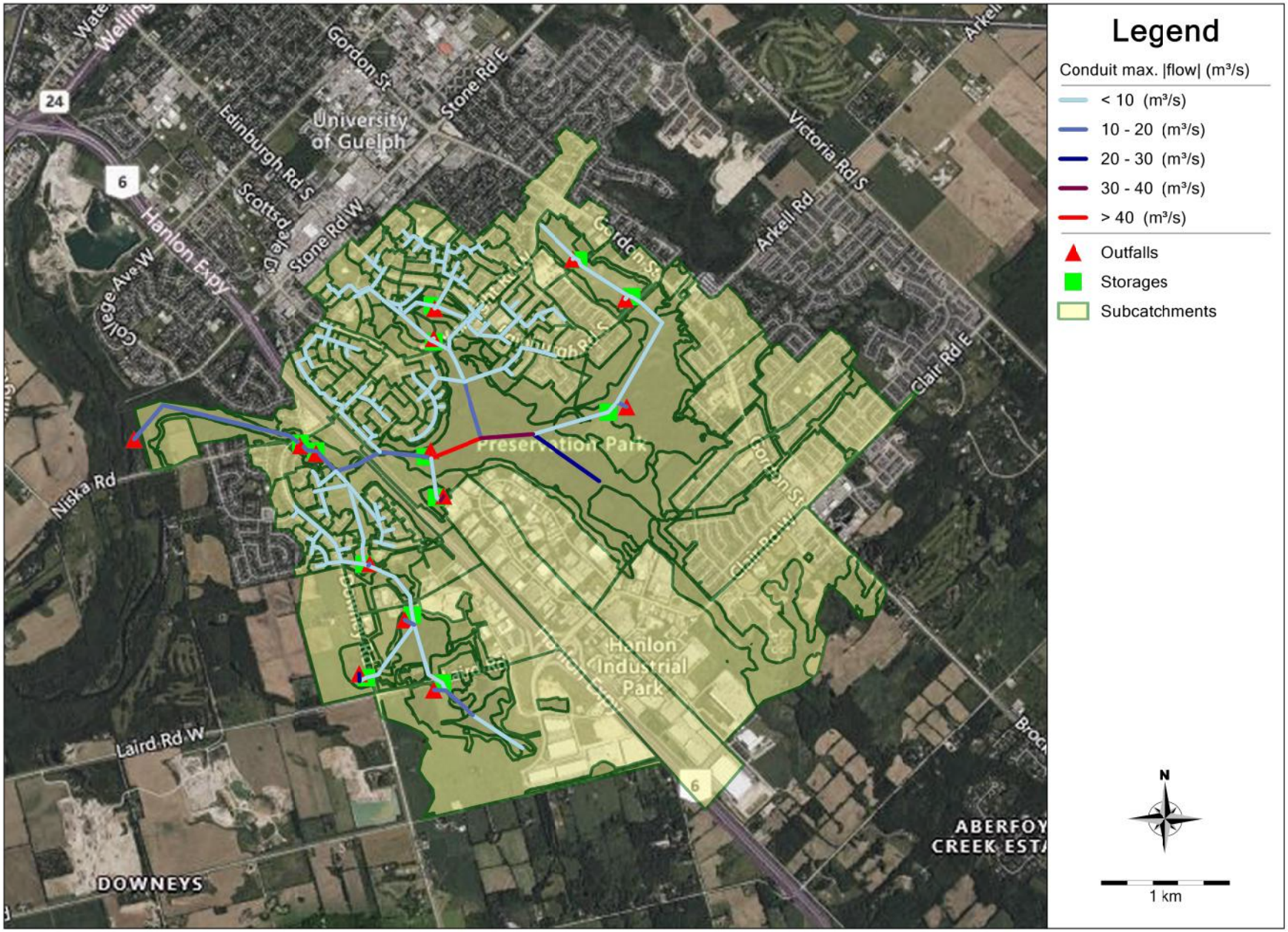
Subcatchment	Area (ha)	Land-Use Type	Pond Cost	LID Cost	Total SWM Cost	Total SWM Cost/m2
A1.1_FRST	3.638	Forest	$181,685	$399,255	$580,940	15.97
A2.1_FRST	3.279	Forest	$181,685	$319,404	$501,089	15.28
A2.2_FRST	2.221	Forest	$181,685	$399,255	$580,940	26.16
A3.1_FRST	13.188	Forest	$220,123	$1,437,318	$1,657,441	12.57
A3.2_FRST	7.400	Forest	$214,843	$1,277,616	$1,492,459	20.17
A3.3_FRST	17.133	Forest	$332,533	$2,235,828	$2,568,361	14.99
A4.1_FRST	5.526	Forest	$225,215	$558,957	$784,172	14.19
A4.2_FRST	16.151	Forest	$262,208	$2,155,977	$2,418,185	14.97
A4.3_FRST	8.110	Forest	$181,685	$2,395,530	$2,577,215	31.78
A4.4_FRST	18.640	Forest	$181,685	$3,114,189	$3,295,874	17.68
A4.5_FRST	15.023	Forest	$220,123	$1,676,871	$1,896,994	12.63
A4.6_FRST	60.757	Forest	$181,685	$16,609,008	$16,790,693	27.64
B1.1_FRST	3.702	Forest	$181,685	$319,404	$501,089	13.54
B2.1_FRST	8.063	Forest	$275,135	$319,404	$594,539	7.37
C1.1_FRST	2.788	Forest	$181,685	$718,659	$900,344	32.29
D1.1_FRST	30.333	Forest	$181,685	$8,544,057	$8,725,742	28.77
D2.1_FRST	19.034	Forest	$181,685	$5,110,464	$5,292,149	27.80
D4.1_FRST	13.649	Forest	$181,685	$3,513,444	$3,695,129	27.07
E1.1_FRST	32.856	Forest	$418,319	$4,311,954	$4,730,273	14.40
E2.1_FRST	0.872	Forest	$181,685	$79,851	$261,536	30.01
~~E3.1_FRST~~	~~13.063~~	~~Forest~~	~~$0~~	~~$1,277,616~~	~~$1,277,616~~	~~9.78~~
A1	8.379	Wetland	$2,214,097	$1,277,616	$3,491,713	41.67
A2	11.492	Wetland	$7,861,258	$2,475,381	$10,336,639	89.95
A3	56.775	Wetland	$9,842,162	$24,753,810	$34,595,972	60.94
A4	100.517	Wetland	$29,358,778	$90,231,630	$119,590,408	118.98
B1	3.085	Wetland	$1,849,301	$239,553	$2,088,854	67.72
B2	2.912	Wetland	$6,042,779	$319,404	$6,362,183	218.50
C1	3.155	Wetland	$4,304,981	$1,357,467	$5,662,448	179.47
D1	13.155	Wetland	$11,590,969	$5,669,421	$17,260,390	131.21
D2	17.567	Wetland	$416,767	$5,988,825	$6,405,592	36.46
D3	5.612	Wetland	$3,776,722	$4,072,401	$7,849,123	139.87
D4	3.520	Wetland	$2,829,303	$1,038,063	$3,867,366	109.87
E1	2.928	Wetland	$416,767	$2,794,785	$3,211,552	109.68
E2	0.786	Wetland	$443,915	$399,255	$843,170	107.30
~~E3~~	~~14.021~~	~~Wetland~~	~~$0~~	~~$2,555,232~~	~~$2,555,232~~	~~18.22~~

F.8 The Average Stormwater Management Cost / m2 for Wetland and Forest Natural Assets

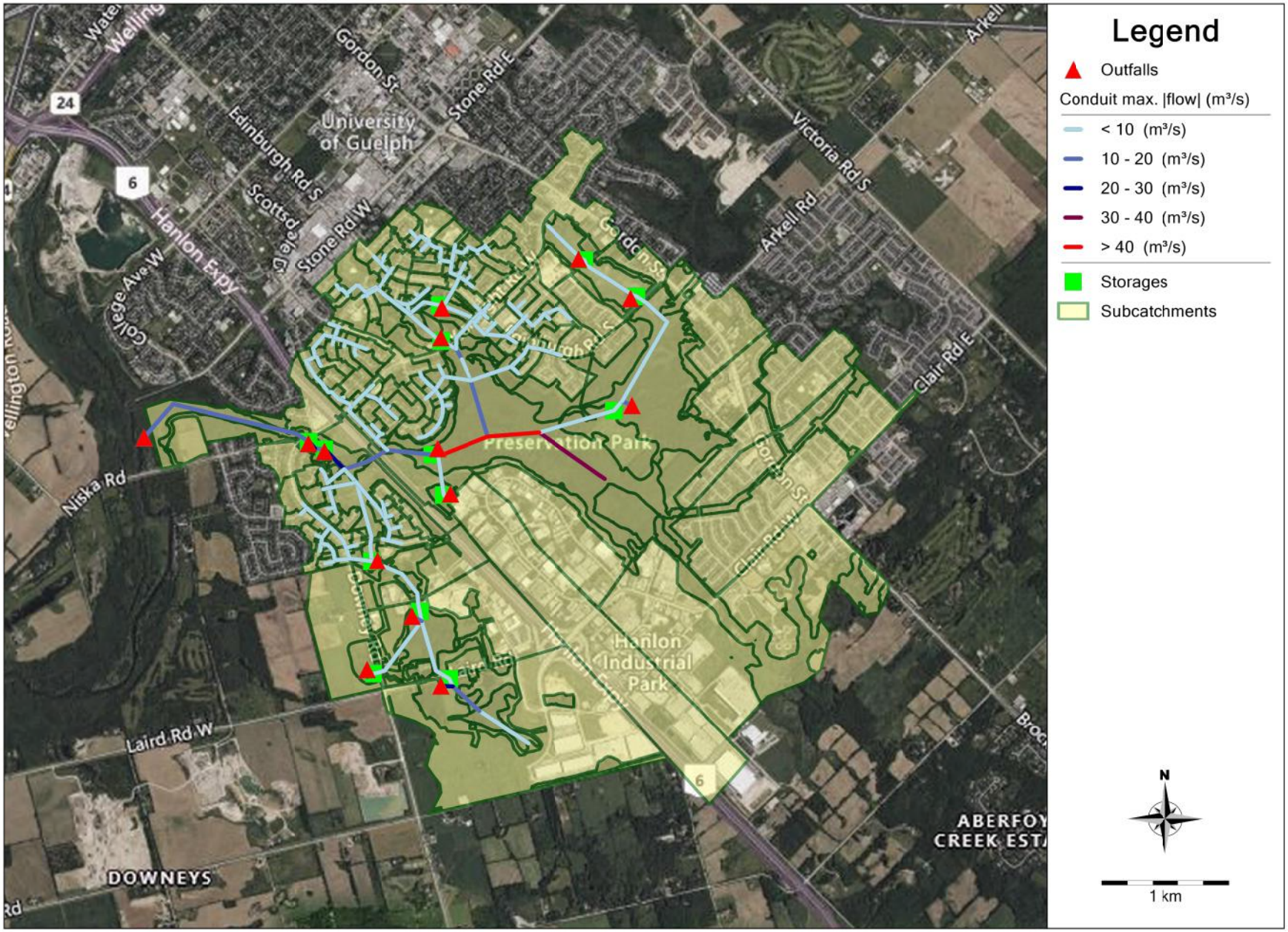
WETLAND		FOREST	
Subcatchment	Cost / m2	Subcatchment	Cost / m2
A1	$41.67	A1.1_FRST	$15.97
A2	$89.95	A2.1_FRST	$15.28
A3	$60.94	A2.2_FRST	$26.16
A4	$118.98	A3.1_FRST	$12.57
B1	$67.72	A3.2_FRST	$20.17
B2	$218.50	A3.3_FRST	$14.99
C1	$179.47	A4.1_FRST	$14.19
D1	$131.21	A4.2_FRST	$14.97
D2	$36.46	A4.3_FRST	$31.78
D3	$139.87	A4.4_FRST	$17.68
D4	$109.87	A4.5_FRST	$12.63
E1	$109.68	A4.6_FRST	$27.64
E2	$107.30	B1.1_FRST	$13.54
		B2.1_FRST	$7.37
		C1.1_FRST	$32.29
		D1.1_FRST	$28.77
		D2.1_FRST	$27.80
		D4.1_FRST	$27.07
		E1.1_FRST	$14.40
		E2.1_FRST	$30.01
AVERAGE:	**$108.59**	**AVERAGE:**	**$20.26**

APPENDIX G - PEAK FLOW AND INFILTRATION RESULTS

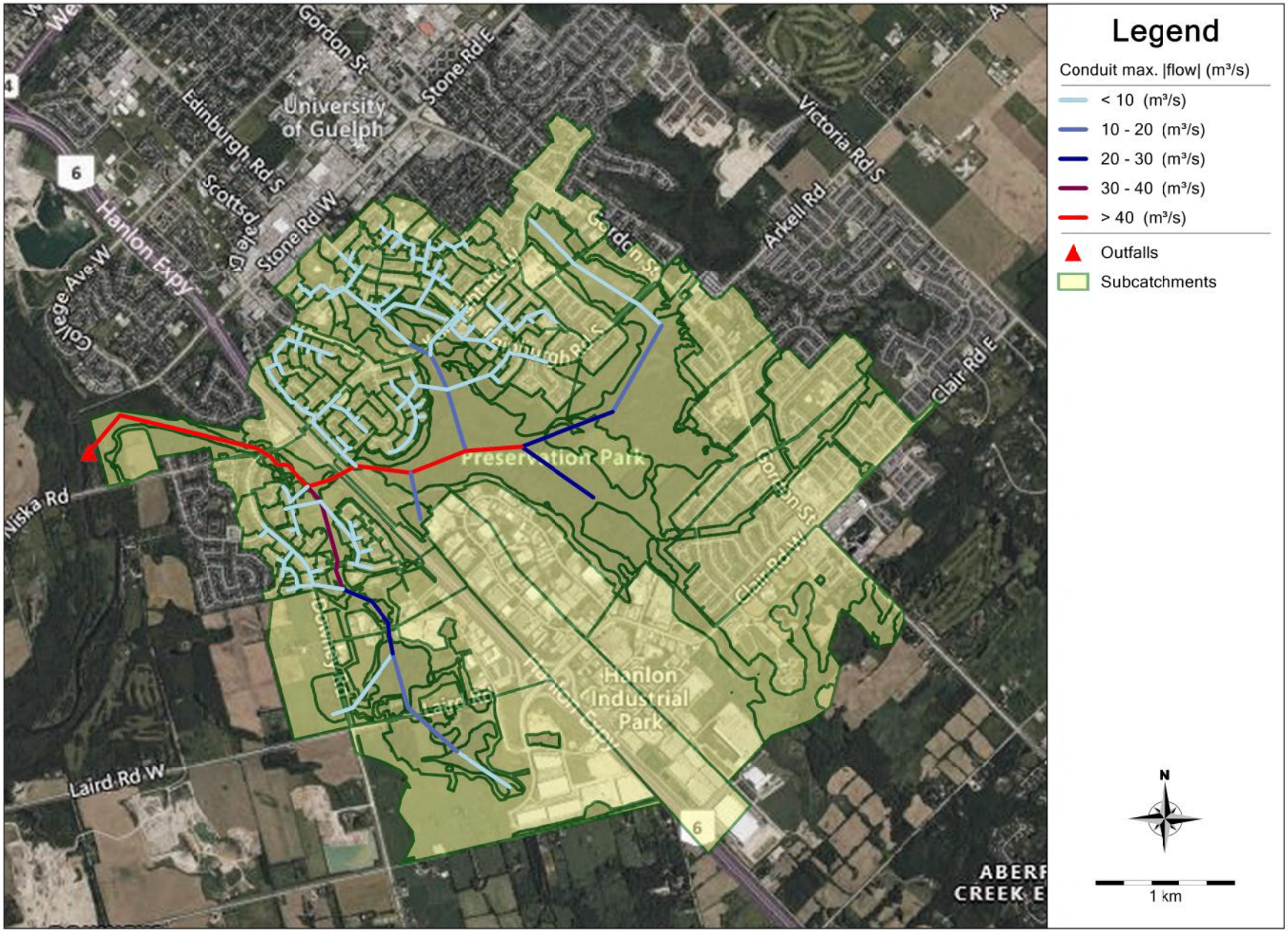
G.01 Peak Flow Results for Scenario 1



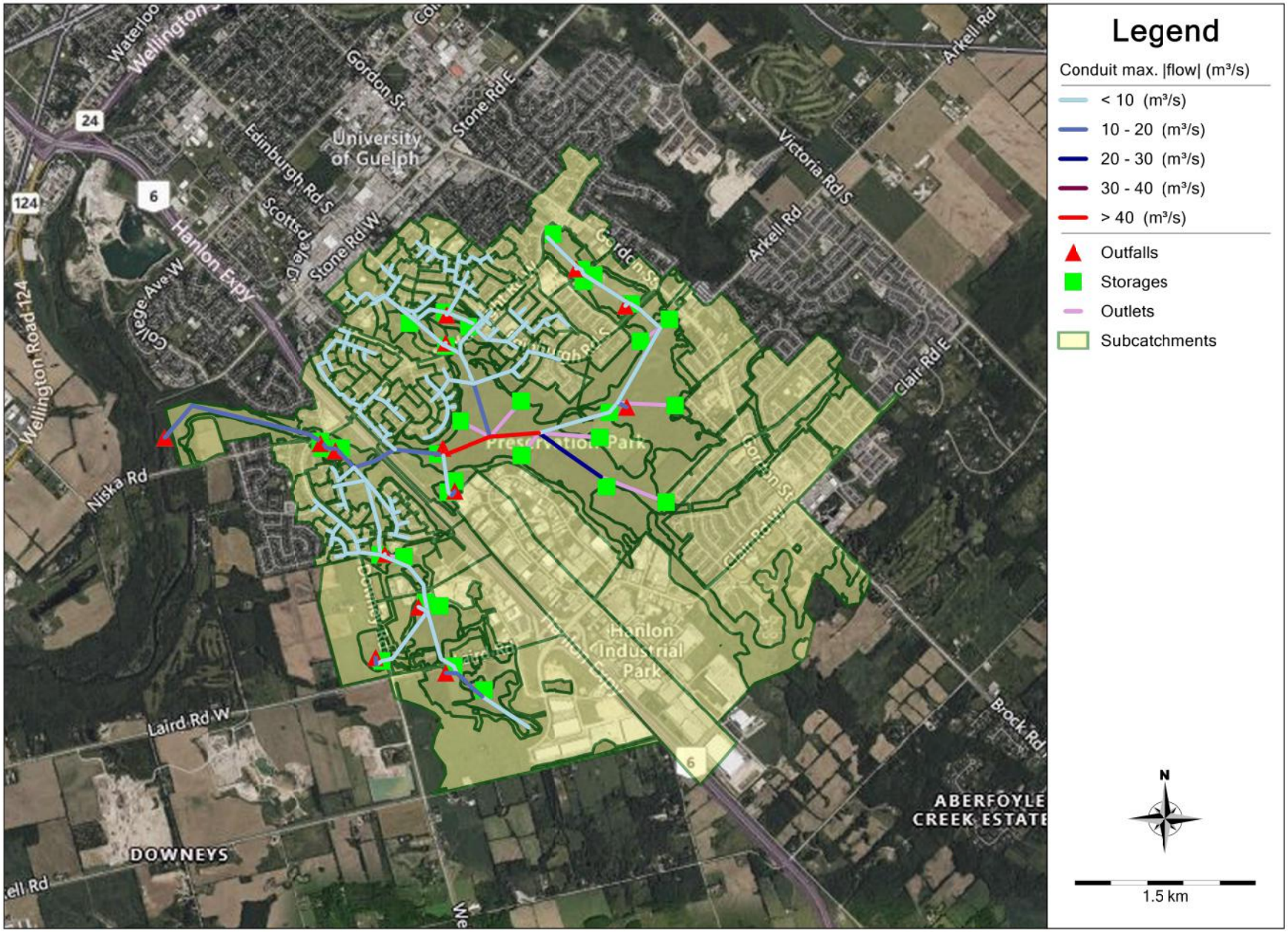
G.02 Peak Flow Results for Scenario 2



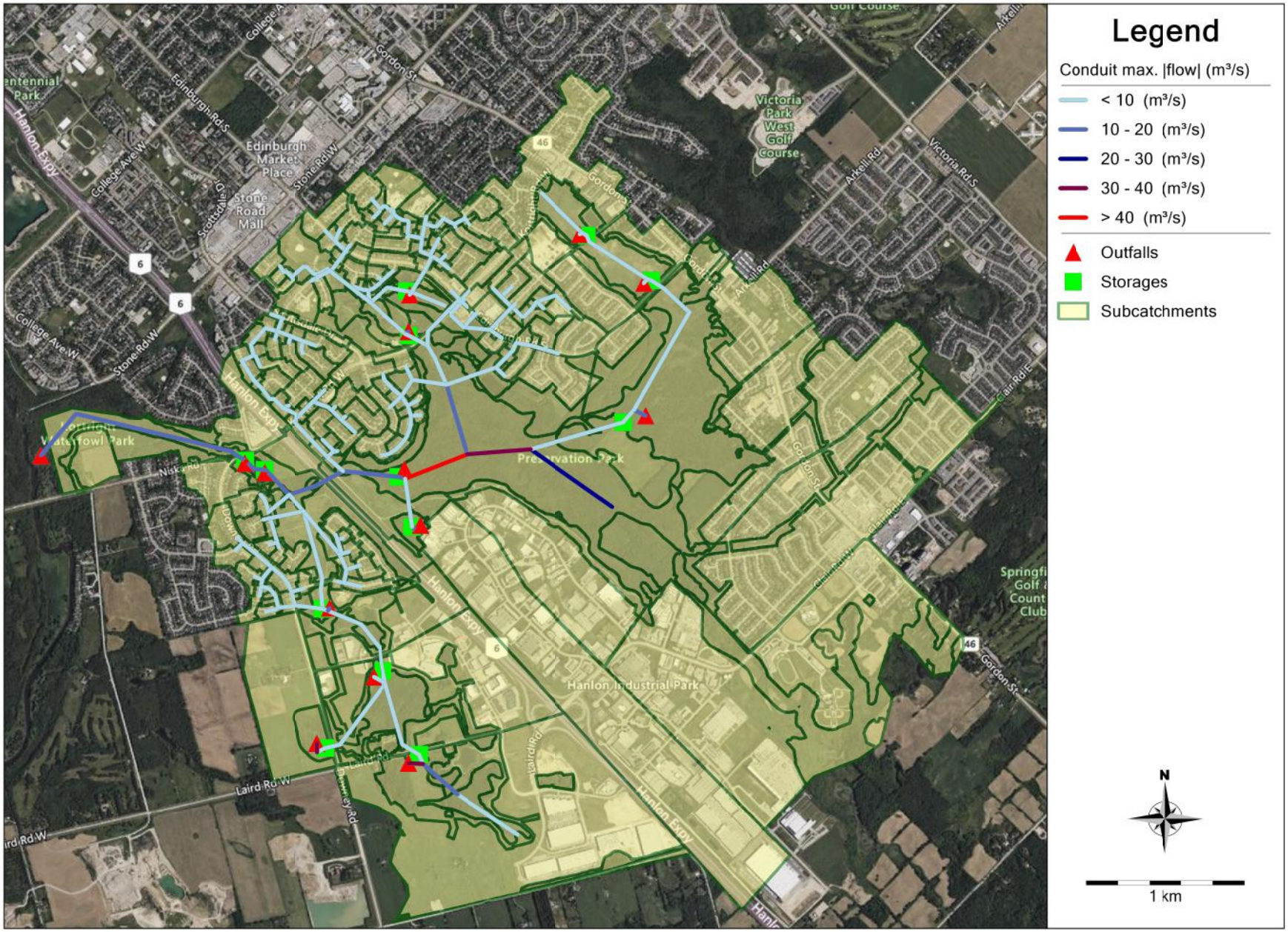
G.03 Peak Flow Results for Scenario 3



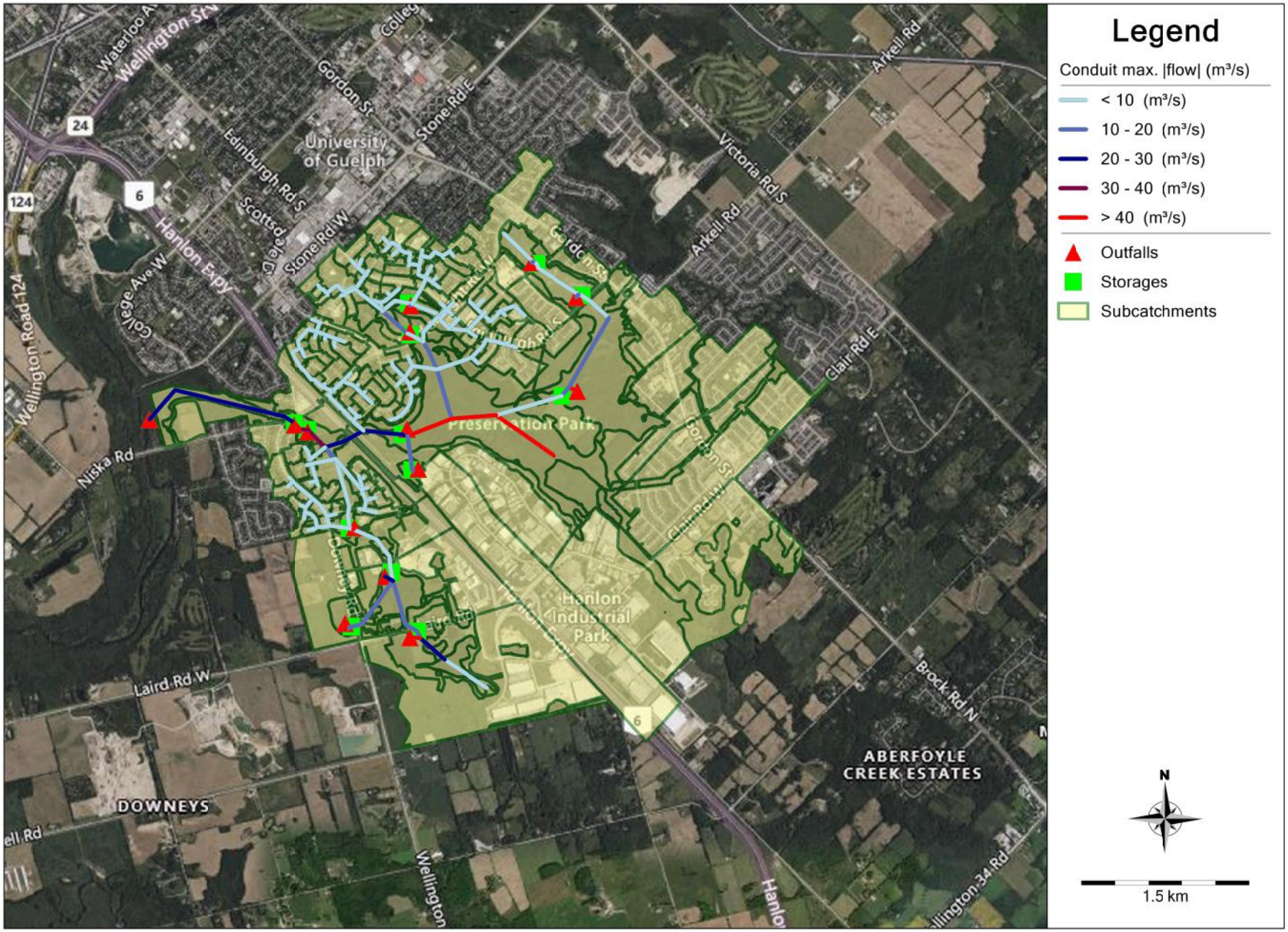
G.04 Peak Flow Results for Scenario 4



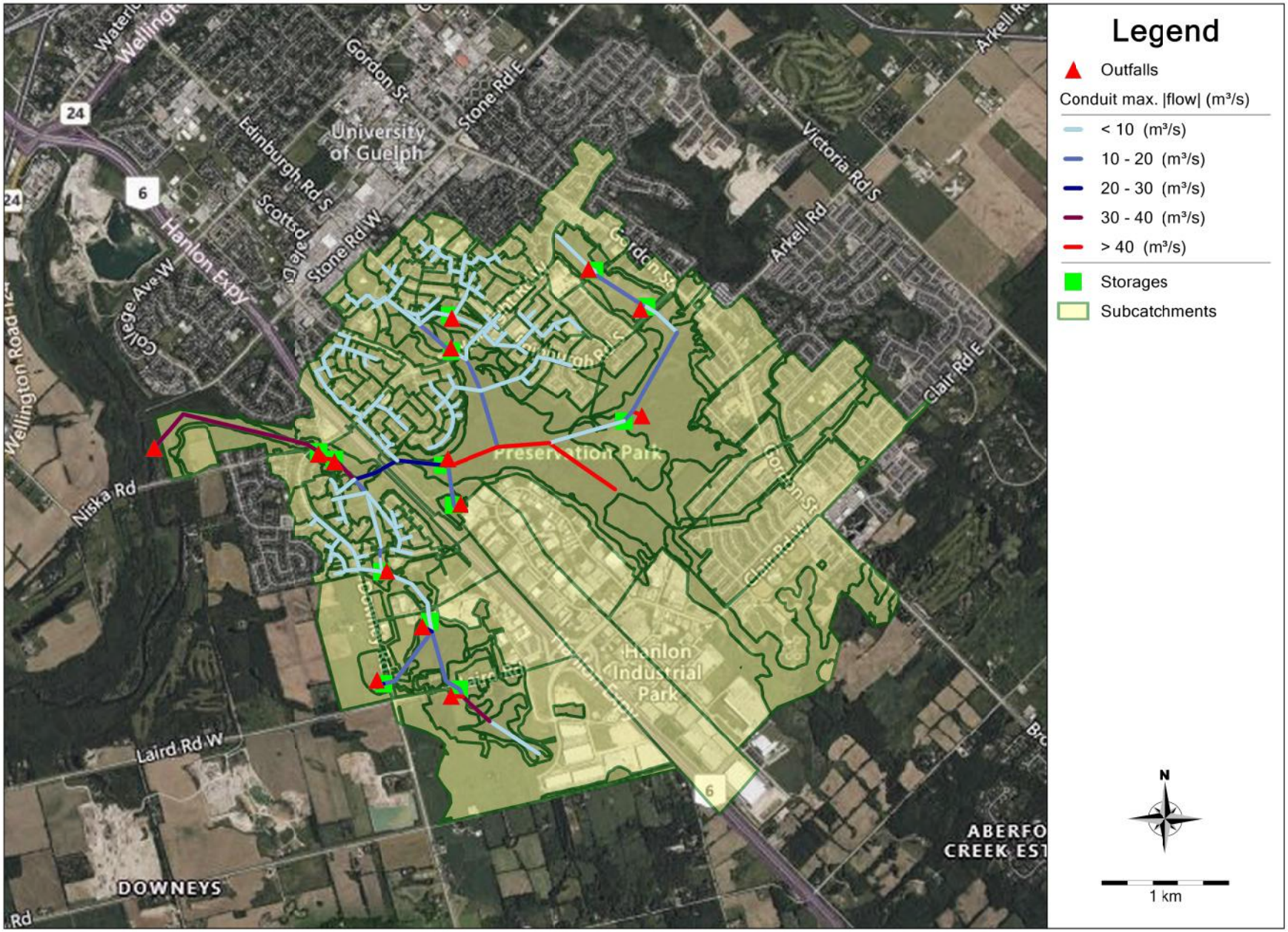
G.05 Peak Flow Results for Scenario 5



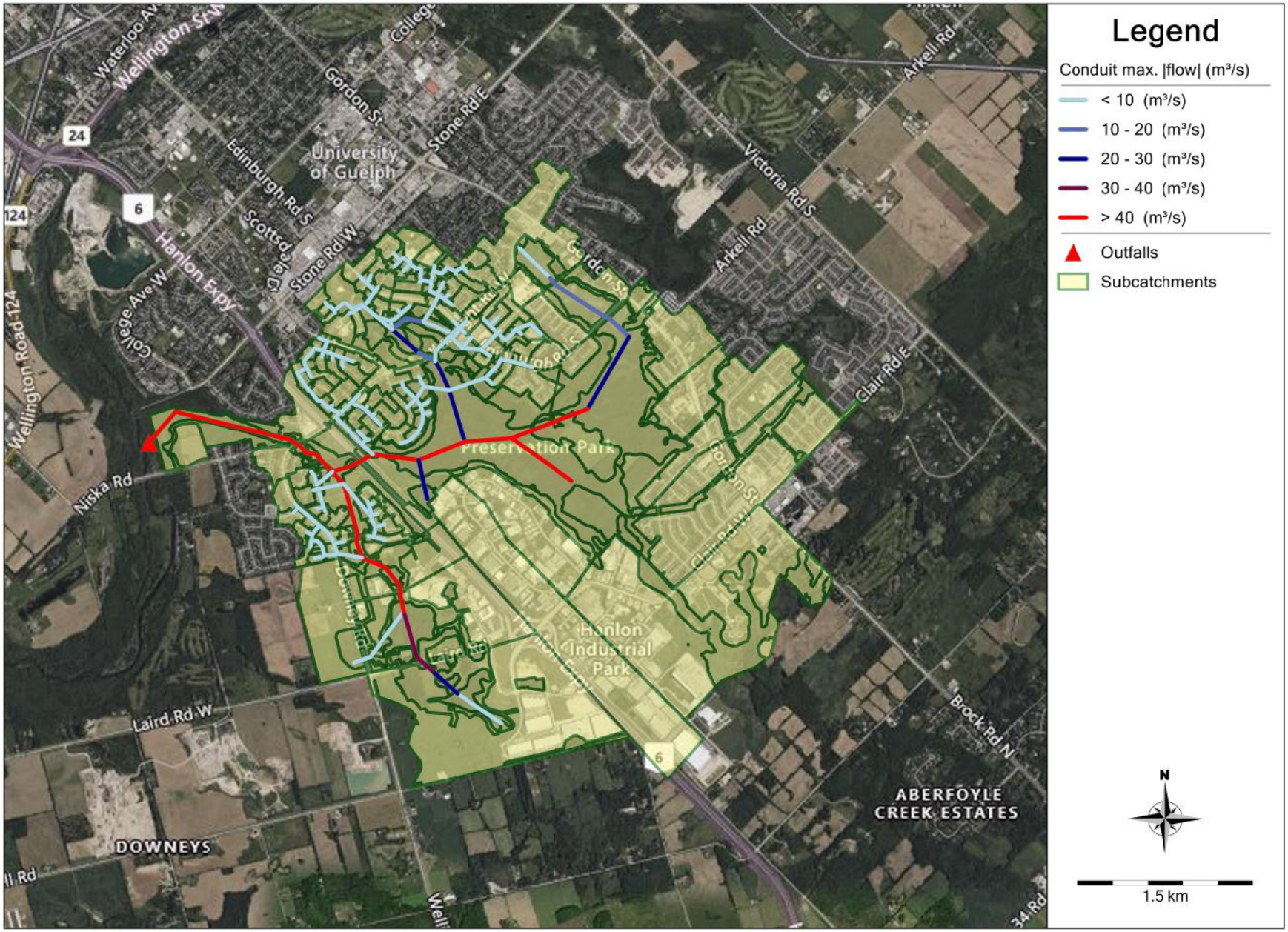
G.06 Peak Flow Results for Scenario 6



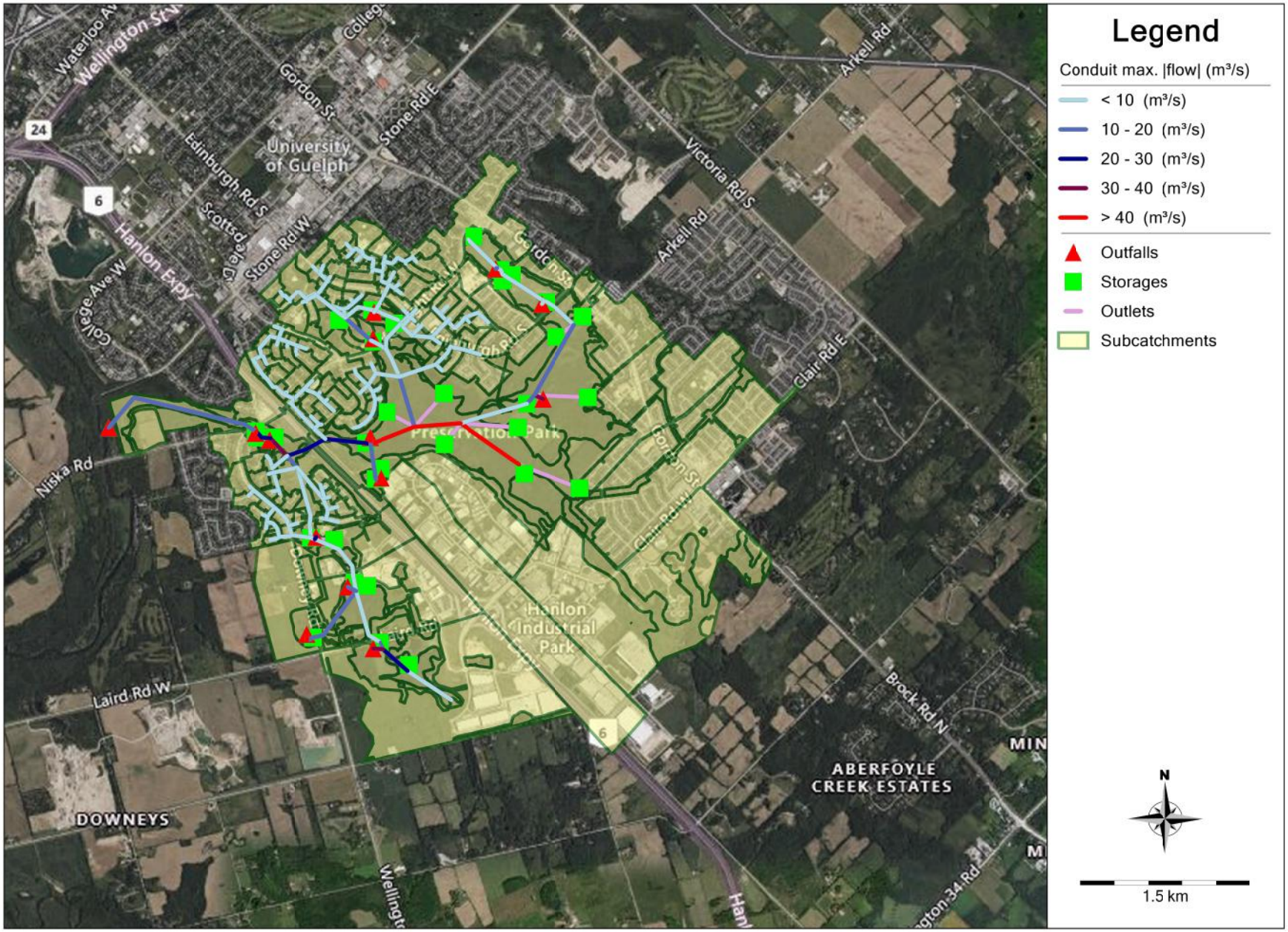
G.07 Peak Flow Results for Scenario 7



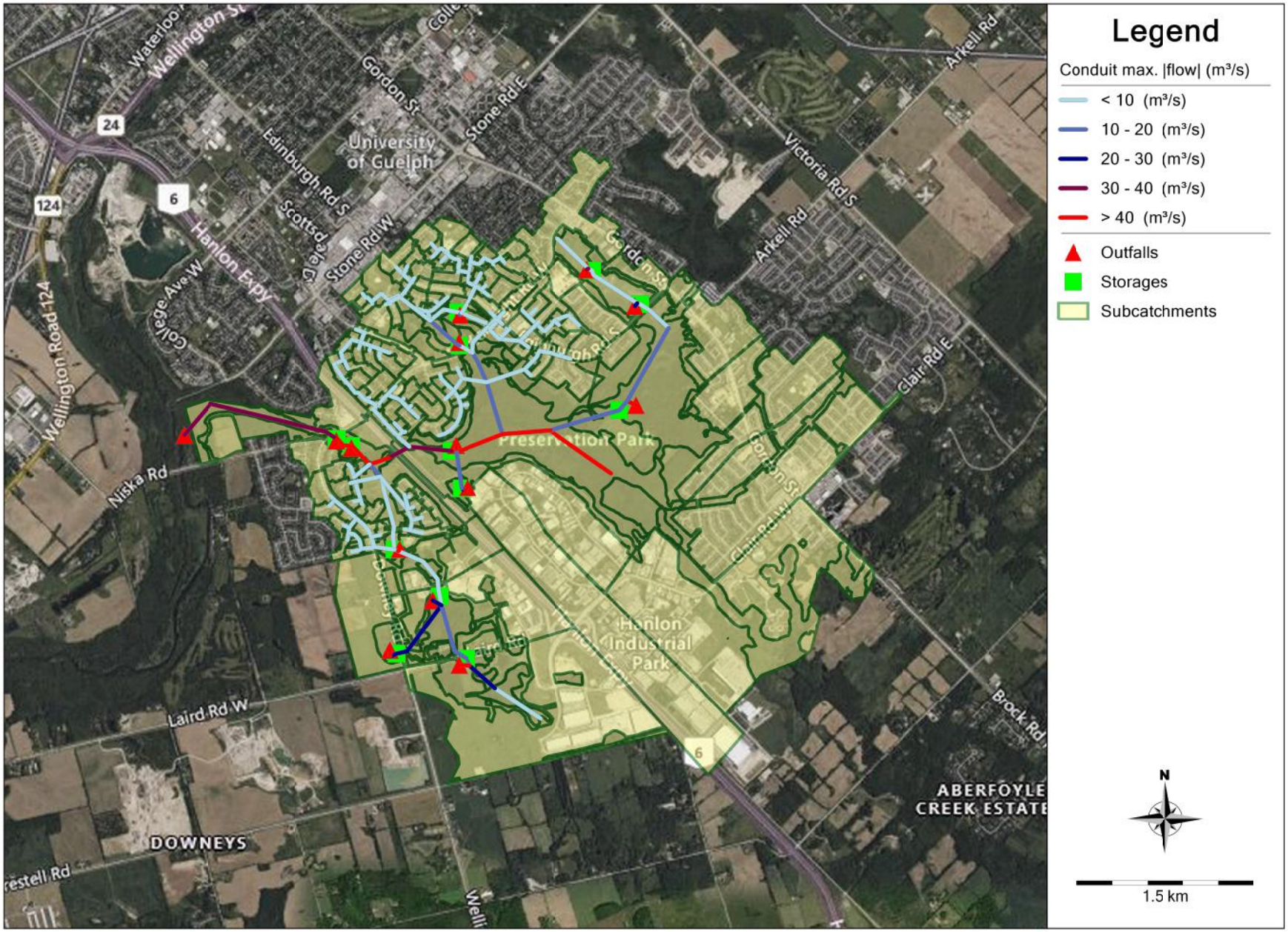
G.08 Peak Flow Results for Scenario 8



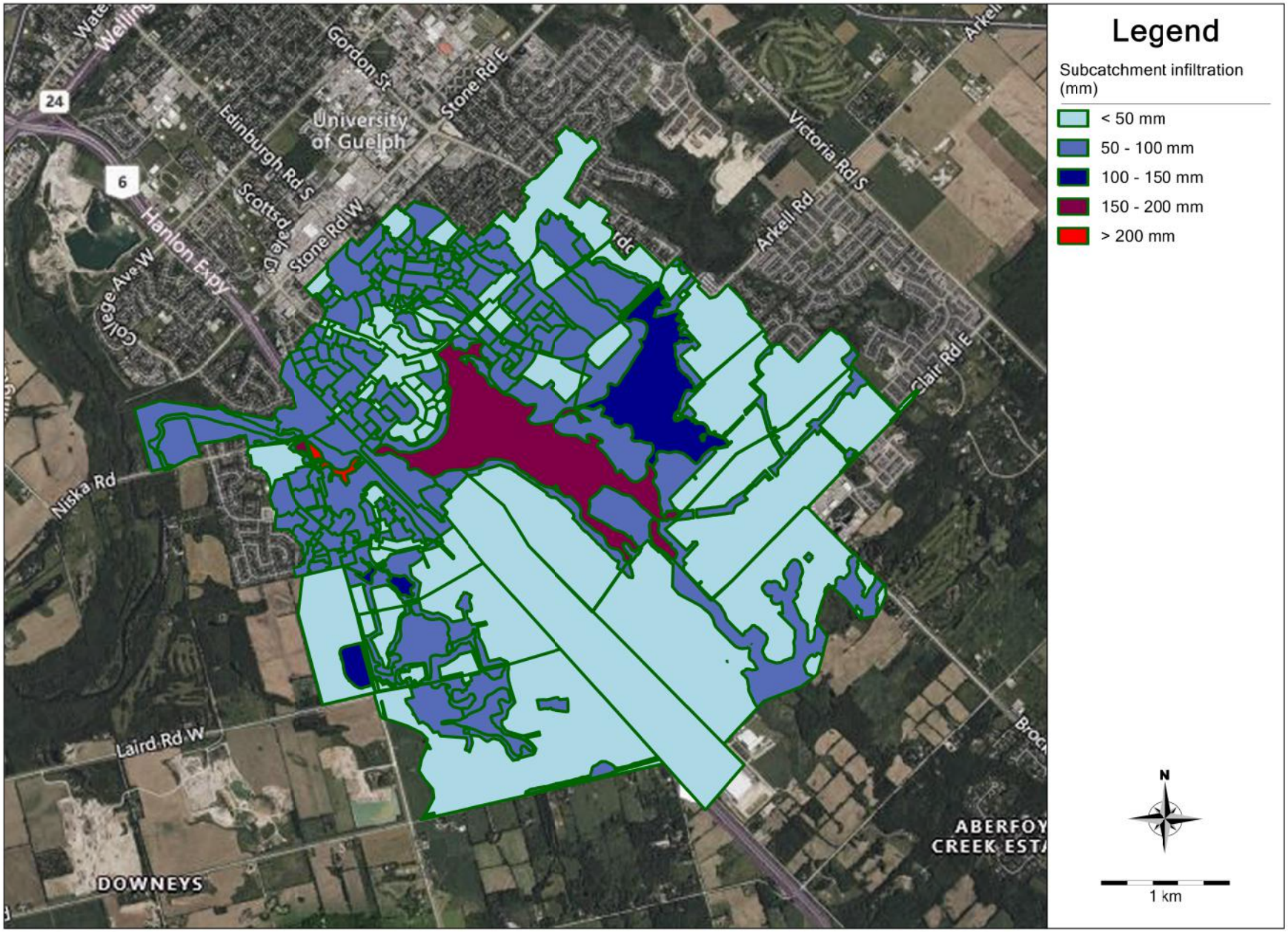
G.09 Peak Flow Results for Scenario 9



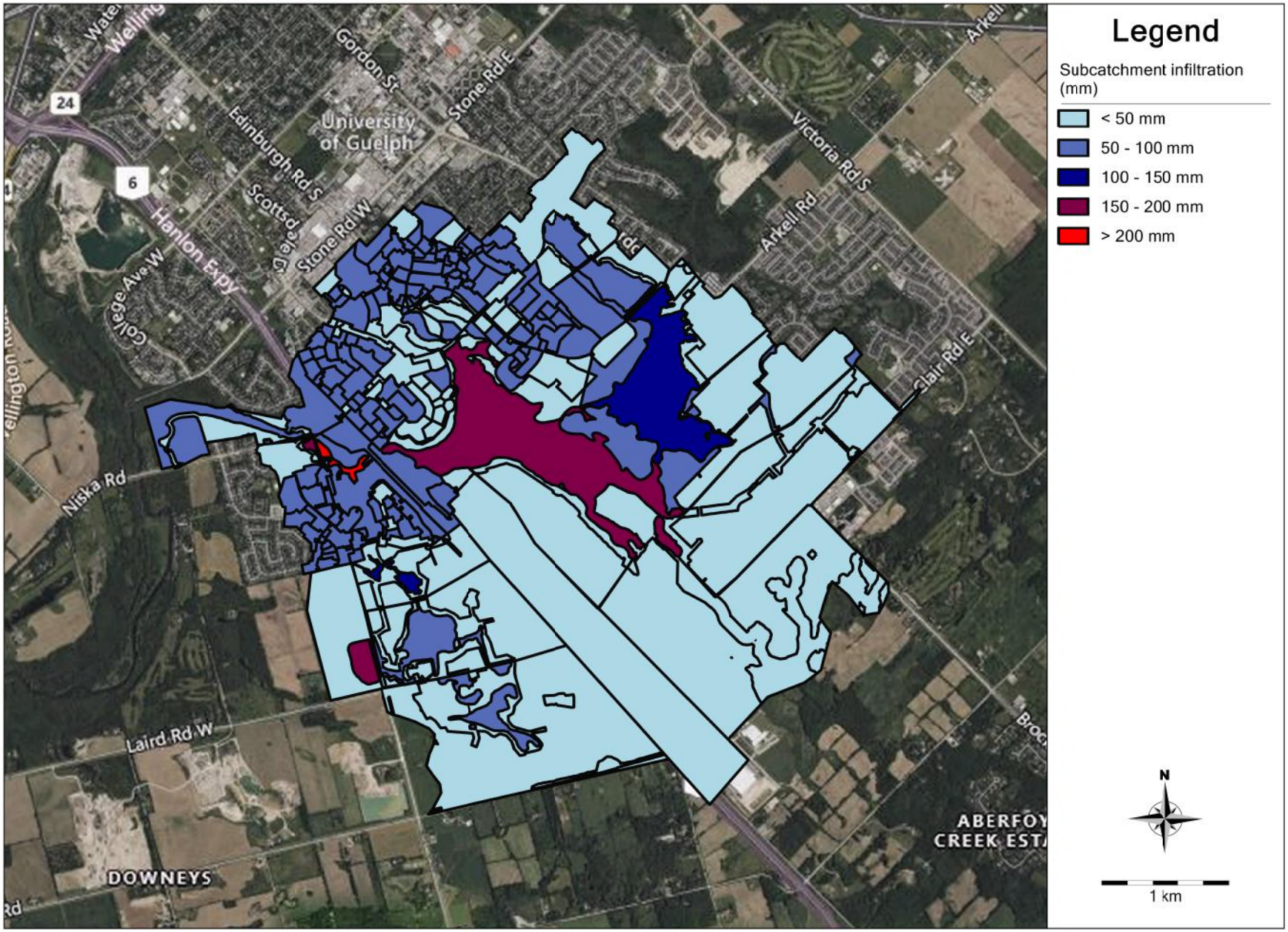
G.10 Peak Flow Results for Scenario 10



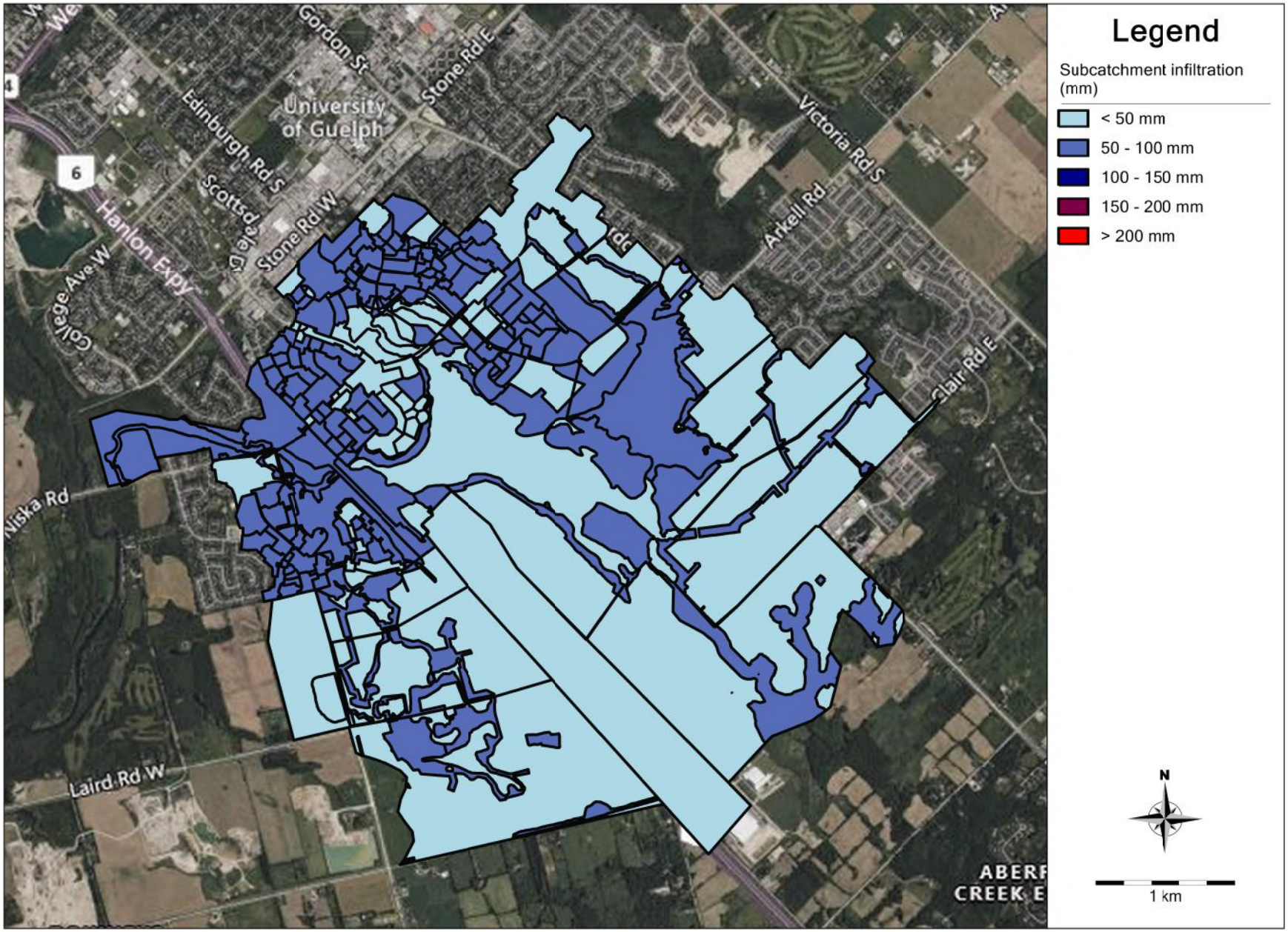
G.11 Infiltration Results for Scenario 1



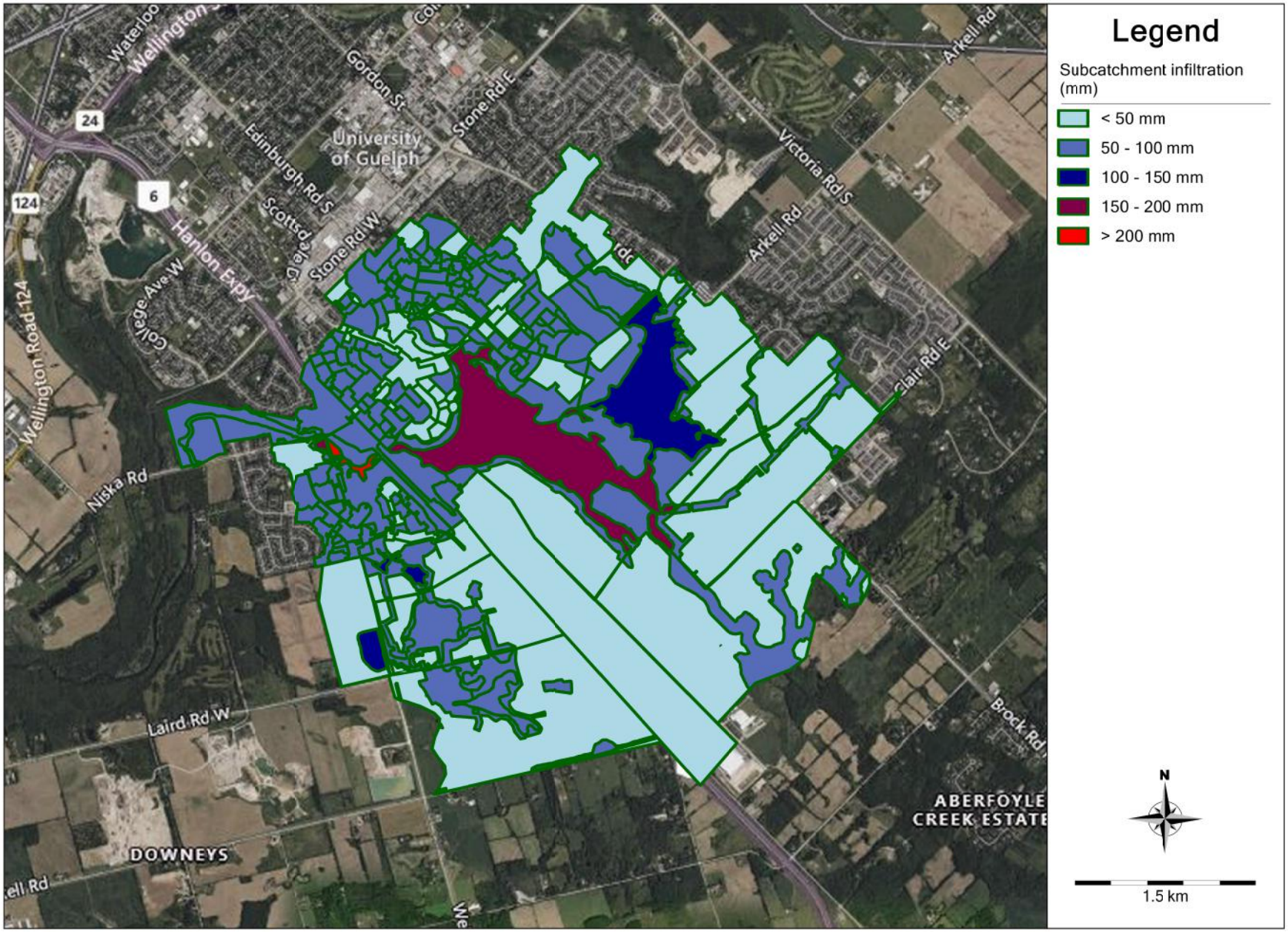
G.12 Infiltration Results for Scenario 2



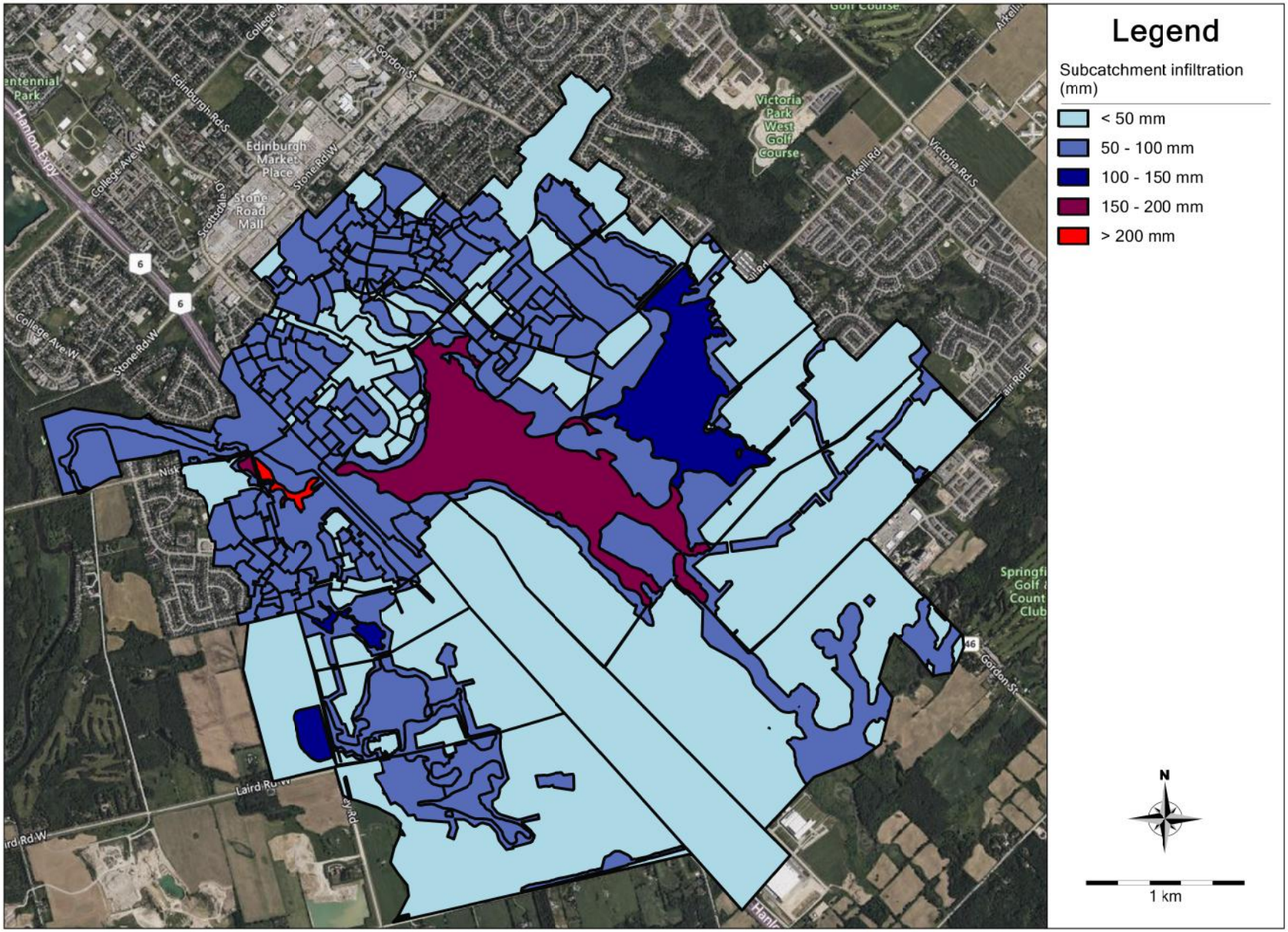
G.13 Infiltration Results for Scenario 3



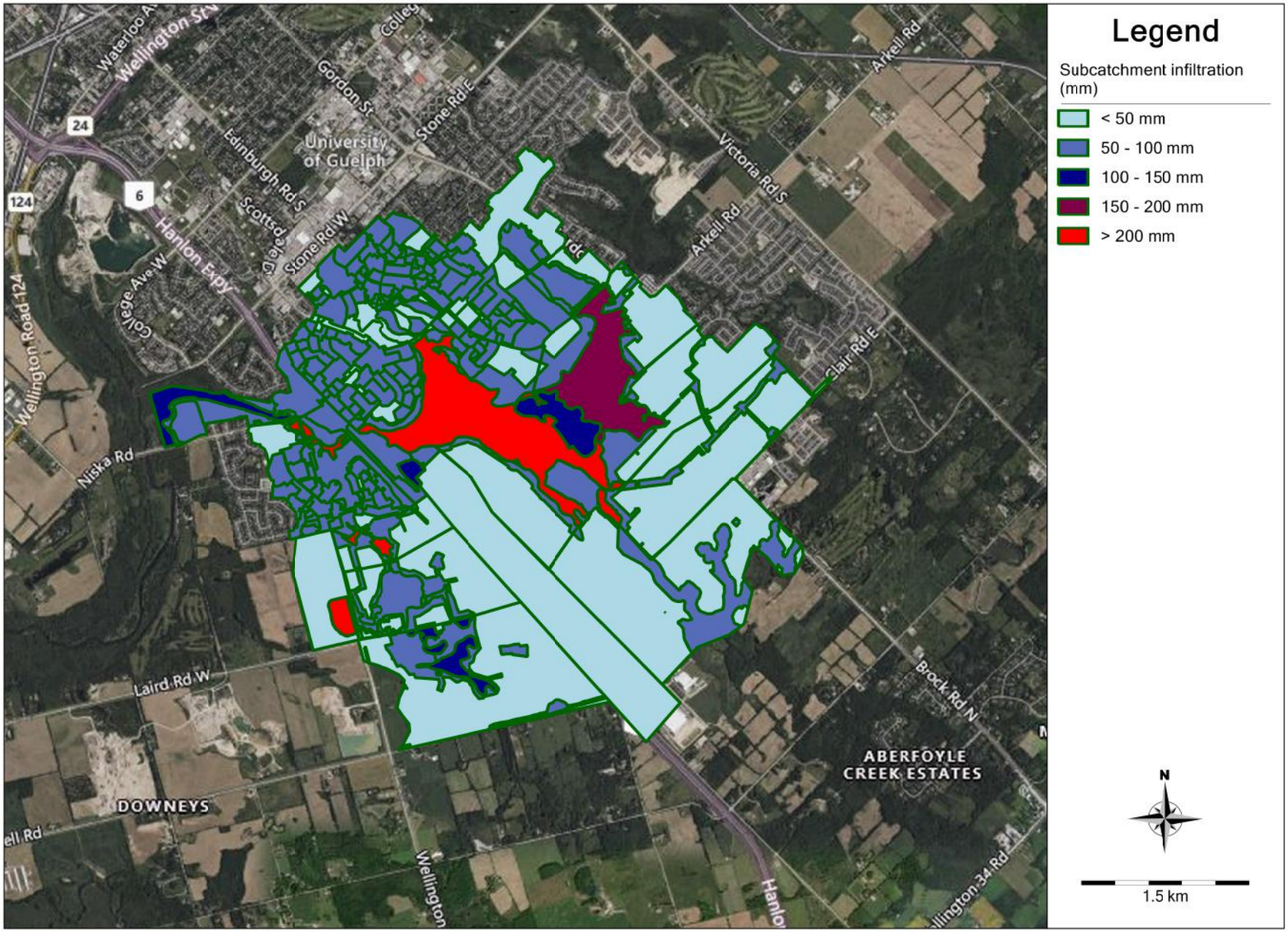
G.14 Infiltration Results for Scenario 4



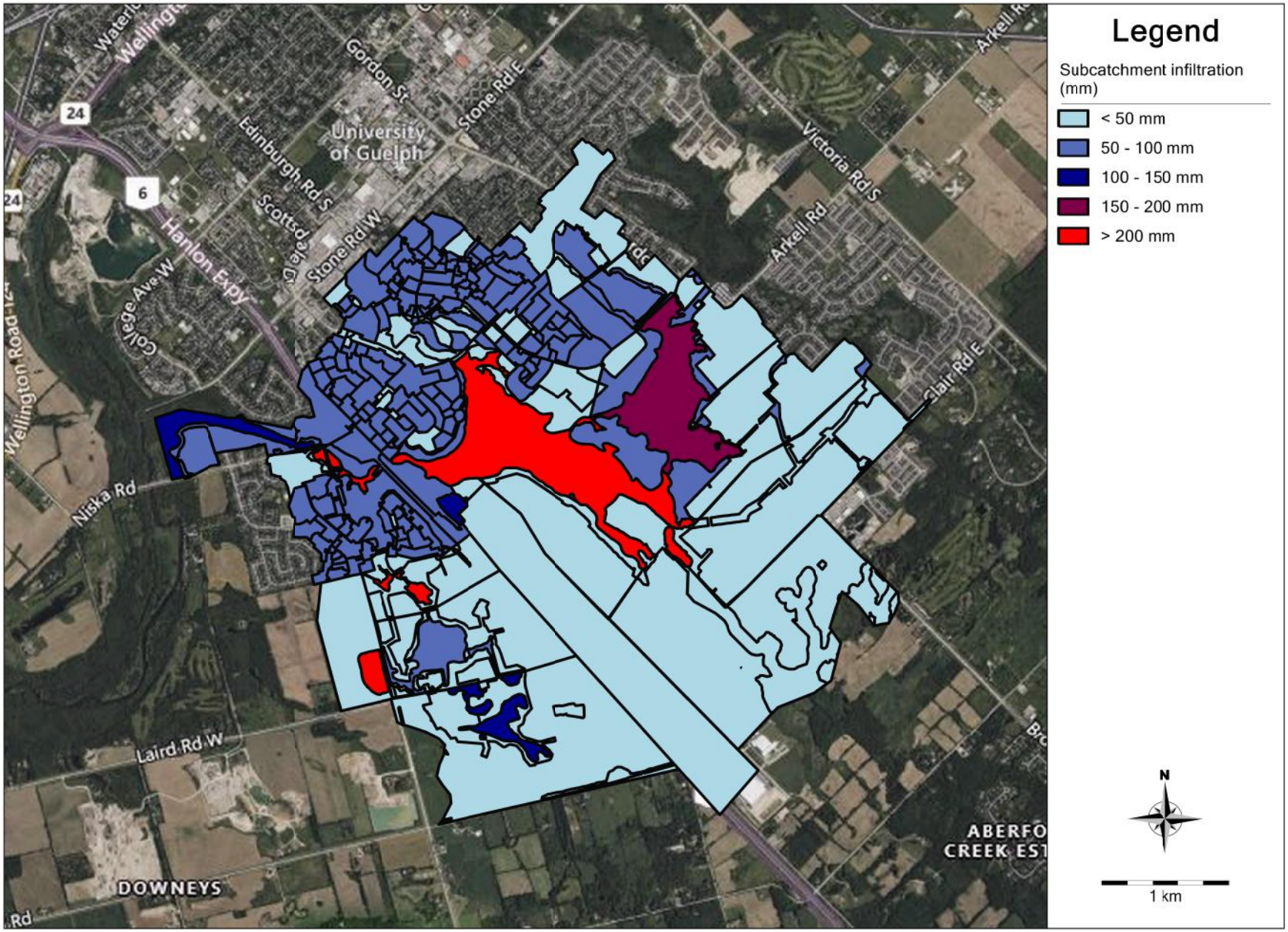
G.15 Infiltration Results for Scenario 5



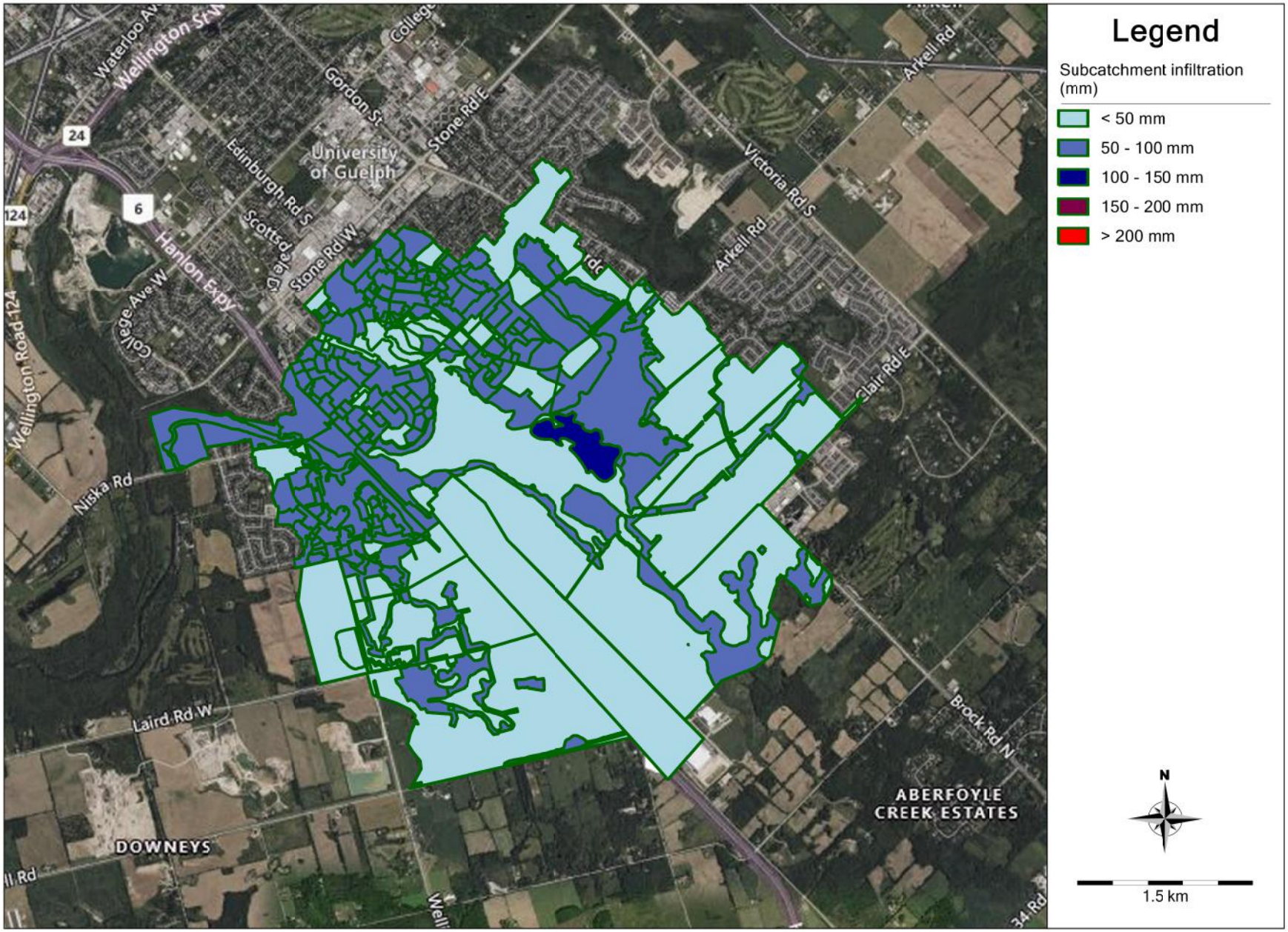
G.16 Infiltration Results for Scenario 6



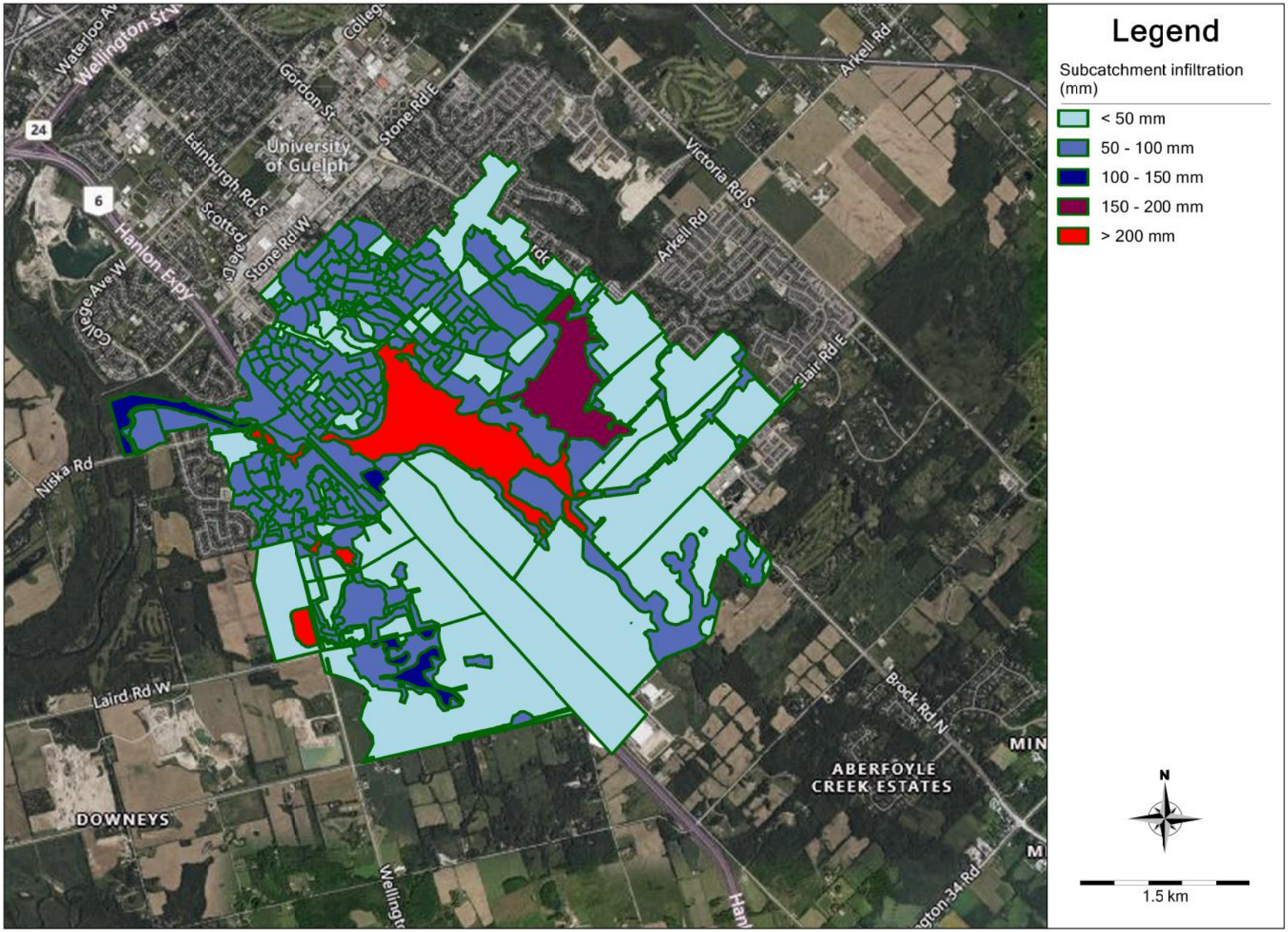
G.17 Infiltration Results for Scenario 7



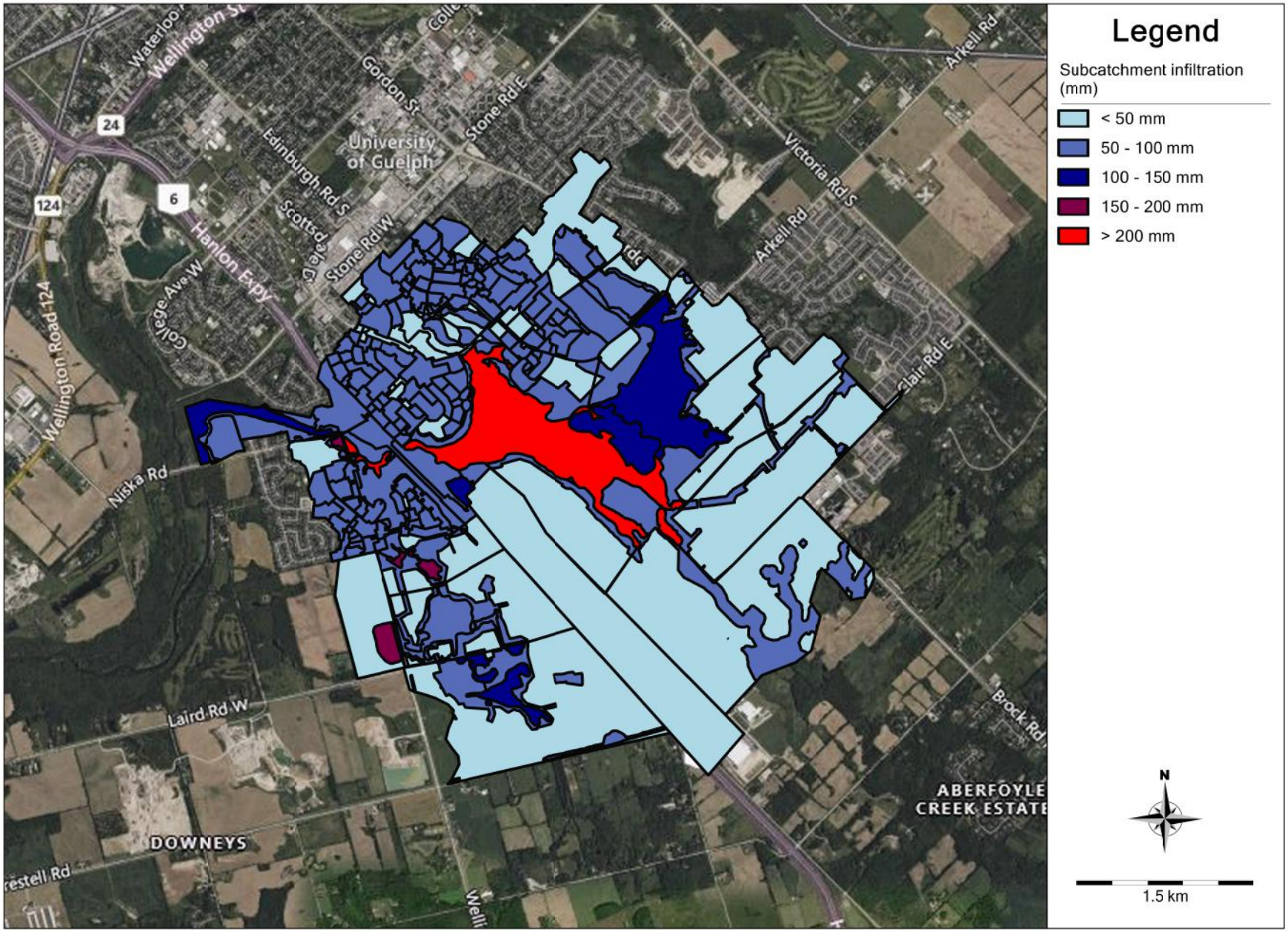
G.18 Infiltration Results for Scenario 8



G.19 Infiltration Results for Scenario 9



G.20 Infiltration Results for Scenario 10



APPENDIX H - PCSWMM INPUT

H.01 Input for PCSWMM for Scenario 1

```
[TITLE]
Network HC01 - discharges to SWM 7.  Dual Drainage version of model.

[OPTIONS]
;;Options            Value
;;------------------ ------------
FLOW_UNITS           CMS
INFILTRATION         GREEN_AMPT
FLOW_ROUTING         DYNWAVE
LINK_OFFSETS         ELEVATION
MIN_SLOPE            0
ALLOW_PONDING        NO
SKIP_STEADY_STATE    NO

START_DATE           09/01/2021
START_TIME           00:00:00
REPORT_START_DATE    09/01/2021
REPORT_START_TIME    00:00:00
END_DATE             09/04/2021
END_TIME             00:00:00
SWEEP_START          01/01
SWEEP_END            12/31
DRY_DAYS             0
REPORT_STEP          00:05:00
WET_STEP             00:05:00
DRY_STEP             00:15:00
ROUTING_STEP         1
RULE_STEP            00:00:00

INERTIAL_DAMPING     PARTIAL
NORMAL_FLOW_LIMITED  BOTH
FORCE_MAIN_EQUATION  H-W
VARIABLE_STEP        0.75
LENGTHENING_STEP     1
MIN_SURFAREA         0
MAX_TRIALS           8
HEAD_TOLERANCE       0.0015
SYS_FLOW_TOL         5
LAT_FLOW_TOL         5
MINIMUM_STEP         0.5
THREADS              4
```

```
[EVAPORATION]
;;Type          Parameters
;;------------- ----------
MONTHLY          0.0    0.0    0.0    1.06   2.48   3.6    4.13   3.61   2.43   1.19   0.3    0.0
DRY_ONLY         NO

[RAINGAGES]
;;                     Rain      Time     Snow     Data
;;Name                 Type      Intrvl   Catch    Source
;;-------------------- --------- -------- -------- ----------
AES12hour_100year      INTENSITY 0:15     1.0      TIMESERIES AES12hour_100yr
AES12hour_10year       INTENSITY 0:15     1.0      TIMESERIES AES12hour_10yr
AES12hour_5yr          INTENSITY 0:15     1.0      TIMESERIES AES12hour_5yr
AES6hour_100year       INTENSITY 0:15     1.0      TIMESERIES AES6hour_100yr
CC_AES12hour_100yr     INTENSITY 0:15     1.0      TIMESERIES CC_AES12hour_100yr
DSGauge                INTENSITY 0:05     1.0      TIMESERIES Guelph100Y
Hurricane_Hazel_(0-25) INTENSITY 01:00    1.0      TIMESERIES Hurricane_Hazel_(0-25)

[SUBCATCHMENTS]
;;                                                Total    Pcnt.             Pcnt.    Curb     Snow
;;Name           Raingage         Outlet           Area     Imperv   Width    Slope    Length   Pack
;;-------------- ---------------- ---------------- -------- -------- -------- -------- -------- --------
A1               AES12hour_100year 14              8.37858  5        577.833  1.159    0
A1.1             AES12hour_100year 1               42.8127  31       4281.27  2.55     0
A1.1_FRST        AES12hour_100year A1              3.63836  5        382.985  4.569    0
A2               AES12hour_100year 20              11.49151 5        675.971  0.876    0
A2.1             AES12hour_100year 3               12.9012  20       1290.12  4.465    0
;05
A2.1_FRST        AES12hour_100year A2              3.27903  5        364.337  5.888    0
A2.2             AES12hour_100year 3               8.44264  34       844.264  5.546    0
A2.2_FRST        AES12hour_100year A2              2.22057  5        296.076  4.679    0
;01
A3               AES12hour_100year 28              56.7748  5        1494.074 0.876    0
A3.1             AES12hour_100year 6               6.44601  22       644.601  4.32     0
A3.1_FRST        AES12hour_100year A3              13.18801 5        712.865  6.361    0
A3.2             AES12hour_100year 6               32.32076 36       3232.076 3.055    0
A3.2_FRST        AES12hour_100year A3              7.39984  5        528.56   2.441    0
A3.3             AES12hour_100year 28              70.21898 23       7021.898 1.831    0
A3.3_FRST        AES12hour_100year A3              17.13255 5        815.836  2.072    0
;02
```

```
A4              AES12hour_100year 7              100.51695 5       2010.339 1.409    0
A4.1            AES12hour_100year 9              1.02924  20       205.848  12.11    0
A4.1_FRST       AES12hour_100year A4             5.52575  5        251.17   12.609   0
A4.2            AES12hour_100year 8              9.80983  29       980.983  3.264    0
A4.2_FRST       AES12hour_100year A4             16.15059 5        807.53   3.234    0
A4.3            AES12hour_100year 8              46.96537 61       4696.537 6.754    0
A4.3_FRST       AES12hour_100year A4             8.10956  5        559.28   2.629    0
A4.4_FRST       AES12hour_100year A4             18.6402  5        866.986  1.485    0
A4.5            AES12hour_100year 2              108.8003 29       10880.03 2.616    0
A4.5_FRST       AES12hour_100year A4             15.02335 5        770.428  4.264    0
A4.6            AES12hour_100year 2              148.9709 52       14897.09 3.51     0
A4.6_FRST       AES12hour_100year A4             60.75746 5        1557.884 5.817    0
B1              AES12hour_100year 37             3.0847   5        342.744  1.624    0
B1.1            AES12hour_100year 4              0.99721  20       199.442  3.723    0
;06
B1.1_FRST       AES12hour_100year B1             3.70213  5        370.213  2.416    0
;03
B2              AES12hour_100year 42             2.9118   5        342.565  0.832    0
B2.1            AES12hour_100year 18             6.4804   11       648.04   8.395    0
B2.1_FRST       AES12hour_100year B2             8.06289  5        556.061  4.141    0
C1              AES12hour_100year 40             3.1551   5        350.567  1.284    0
C1.1            AES12hour_100year 40             123.3055 61       12330.55 2.612    0
C1.1_FRST       AES12hour_100year C1             2.78849  5        328.058  5.115    0
D1              AES12hour_100year 48             13.15501 5        711.082  0.84     0
D1.1            AES12hour_100year 27             119.81733 61      11981.733 2.621   0
;07
D1.1_FRST       AES12hour_100year D1             30.3332  5        1103.025 1.654    0
D2              AES12hour_100year 21             17.56726 5        836.536  0.804    0
D2.1            AES12hour_100year 21             52.2425  54       5224.25  1.309    0
D2.1_FRST       AES12hour_100year D2             19.03354 5        865.161  1.199    0
D3              AES12hour_100year 49             5.6119   5        467.658  0.585    0
D3.1            AES12hour_100year 49             36.10892 60       3610.892 4.474    0
;04
D4              AES12hour_100year 50             3.51993  5        370.519  1.366    0
D4.1            AES12hour_100year 50             23.40875 53       2340.875 1.568    0
D4.1_FRST       AES12hour_100year D4             13.64864 5        737.764  1.949    0
E1              AES12hour_100year 53             2.92807  5        344.479  1.111    0
E1.1            AES12hour_100year 53             18.00759 23       1800.759 3.079    0
;08
E1.1_FRST       AES12hour_100year E1             32.85577 5        1132.958 2.328    0
E2              AES12hour_100year 54             0.78579  5        174.62   2.898    0
```

E2.1	AES12hour_100year	54	9.27285	19	927.285	4.9	0
E2.1_FRST	AES12hour_100year	E2	0.87158	5	174.316	6.307	0
E3	AES12hour_100year	56	14.02097	5	737.946	2.707	0
E3.1	AES12hour_100year	56	22.8162	22	2281.62	12.425	0
E3.1_FRST	AES12hour_100year	E3	13.0633	5	725.739	8.365	0
HC01-01	AES12hour_100year	PWOPRMHS0001937	6.22	28.7	1269.388	3.5	0
HC01-02	AES12hour_100year	PWOPRMHS0001695	2.27	24.8	504.444	4.2	0
HC01-03	AES12hour_100year	PWOPRMHS0001925	1.2	24.8	173.913	7.1	0
HC01-04	AES12hour_100year	SWMPOND	2.49	19.4	415	4.2	0
HC01-05	AES12hour_100year	PWOPRMHS0001939	2.5	24.8	500	6.3	0
HC01-06	AES12hour_100year	PWOPRMHS0001928	1.32	24.8	197.015	6.7	0
HC01-07	AES12hour_100year	PWOPRMHS0001944	0.7	24.8	159.091	0.8	0
HC01-08	AES12hour_100year	PWOPRMHS0001930	0.52	24.8	70.27	10	0
HC01-09	AES12hour_100year	PWOPRMHS0001947	0.66	24.8	160.976	1.3	0
HC01-10	AES12hour_100year	PWOPRMHS0001929	1.14	24.8	156.164	7.8	0
HC01-11	AES12hour_100year	PWOPRMHS0001933	1.39	24.8	217.187	3.3	0
HC01-12	AES12hour_100year	PWOPRMHS0001943	3.1	24.8	720.93	3.9	0
HC02-01	AES12hour_100year	PWOPRMHS0001622	0.37	37.3	115.625	0.9	0
HC02-02	AES12hour_100year	PWOPRMHS0001413	2.17	50.4	678.125	0.4	0
HC02-03	AES12hour_100year	PWOPRMHS0001412	0.19	43.2	59.375	0.8	0
HC02-04	AES12hour_100year	PWOPRMHS0001411	0.41	29.2	128.125	5	0
HC02-05	AES12hour_100year	PWOPRMHS0001764	2.96	14.8	925	2.6	0
HC02-06	AES12hour_100year	PWOPRMHS0001768	1.79	15.2	577.419	1.4	0
HC02-07	AES12hour_100year	PWOPRMHS0001767	0.78	12.8	243.75	0.6	0
HC02-08	AES12hour_100year	PWOPRMHS0001409	1.26	11.6	393.75	1.4	0
HC02-09	AES12hour_100year	PWOPRMHS0001410	0.87	13.6	263.636	0.5	0
HC02-10	AES12hour_100year	PWOPRMHS0001634	0.94	12.4	293.75	0.8	0
HC02-11	AES12hour_100year	PWOPRMHS0001791	1.49	13.6	465.625	1	0
HC02-12	AES12hour_100year	PWOPRMHS0001797	2.15	12.4	651.515	0.3	0
HC02-13	AES12hour_100year	PWOPRMHS0001792	0.84	11.6	262.5	0.6	0
HC02-14	AES12hour_100year	PWOPRMHS0001836	0.92	12	270.588	1.1	0
HC02-15	AES12hour_100year	PWOPRMHS0001788	1.6	13.2	470.588	2.5	0
HC02-16	AES12hour_100year	PWOPRMHS0001403	0.51	14	150	2.5	0
HC02-17	AES12hour_100year	PWOPRMHS0001403	2.36	13.2	715.152	1.1	0
HC02-18	AES12hour_100year	PWOPRMHS0001433	3.83	14	1160.606	3.3	0
HC02-19	AES12hour_100year	PWOPRMHS0001418	1.52	14.4	460.606	0.1	0
HC02-20	AES12hour_100year	PWOPRMHS0001804	0.44	35.2	275	1.3	0
HC02-21	AES12hour_100year	PWOPRMHS0001903	3.51	14.4	1002.857	0.9	0
HC02-22	AES12hour_100year	PWOPRMHS0001914	2.97	14.4	900	0.8	0
HC02-23	AES12hour_100year	PWOPRMHS0001858	0.4	42.8	160	1.1	0
HC02-24	AES12hour_100year	PWOPRMHS0001915	0.07	58.4	58.333	1.8	0

HC02-25	AES12hour_100year	PWOPRMHS0001916	1.13	45.9	513.636	2.9	0
HC02-26	AES12hour_100year	PWOPRMHS0001855	0.34	54.8	170	4.8	0
HC02-27	AES12hour_100year	PWOPRMHS0001857	0.75	18	227.273	5.1	0
HC02-28	AES12hour_100year	PWOPRMHS0001436	0.57	18	172.727	2.8	0
HC02-29	AES12hour_100year	PWOPRMHS0001435	0.53	40	160.606	0.9	0
HC02-30	AES12hour_100year	PWOPRMHS0001918	1.48	1.2	462.5	0.3	0
HC02-31	AES12hour_100year	PWOPRMHS0001908	2.42	15.2	711.765	1.8	0
HC02-32	AES12hour_100year	PWOPRMHS0001917	2.15	14.4	632.353	3.2	0
HC02-33	AES12hour_100year	PWOPRMHS0001917	0.83	15.2	244.118	0.5	0
HC02-34	AES12hour_100year	PWOPRMHS0001906	0.3	26	88.235	4.5	0
HC02-35	AES12hour_100year	PWOPRMHS0001912	1	1.6	333.333	0.8	0
HC02-36	AES12hour_100year	MHSWM4	0.44	5.6	440	2.1	0
HC02-37	AES12hour_100year	PWOPRMHS0001912	1.01	5.2	480.952	2.2	0
HC02-38	AES12hour_100year	PWOPRMHS0001765	3.11	13.6	914.706	0.5	0
HC02-39	AES12hour_100year	PWOPRMHS0001867	0.88	11.6	266.667	0.1	0
HC03-01	AES12hour_100year	PWOPRMHS0001626	2.24	32	1066.667	0.4	0
HC03-02	AES12hour_100year	PWOPRMHS0001625	0.8	15.2	258.065	3.1	0
HC03-03	AES12hour_100year	PWOPRMHS0001651	0.13	18.8	76.471	5.3	0
HC03-04	AES12hour_100year	PWOPRMHS0001655	1.03	18.8	343.333	2	0
HC03-05	AES12hour_100year	PWOPRMHS0001649	0.33	36.8	173.684	2.3	0
HC03-06	AES12hour_100year	PWOPRMHS0001659	5.16	13.8	1563.636	3.3	0
HC03-07	AES12hour_100year	PWOPRMHS0001658	1.81	15.2	583.871	1.5	0
HC03-08	AES12hour_100year	PWOPRMHS0002082	4.36	15.5	1321.212	3.5	0
HC03-09	AES12hour_100year	PWOPRMHS0002085	1.94	23.3	485	1.3	0
HC03-10	AES12hour_100year	PWOPRMHS0002084	1.69	12	512.121	1.9	0
HC03-11	AES12hour_100year	PWOPRMHS0002080	2.51	16.5	627.5	2.8	0
HC03-12	AES12hour_100year	PWOPRMHS0001891	1.18	14	357.576	0.3	0
HC03-13	AES12hour_100year	PWOPRMHS0001889	0.38	18.8	180.952	0.8	0
HC03-14	AES12hour_100year	PWOPRMHS0001890	0.13	58.4	56.522	0.7	0
HC03-15	AES12hour_100year	PWOPRMHS0001894	0.62	13.6	187.879	1.6	0
HC03-16	AES12hour_100year	PWOPRMHS0001660	0.31	21.2	100	1.1	0
HC03-17	AES12hour_100year	PWOPRMHS0001657	0.12	36.8	75	2.2	0
HC03-18	AES12hour_100year	PWOPRMHS0001663	0.1	64	100	0.4	0
HC03-19	AES12hour_100year	PWOPRMHS0001661B	7.88	8.4	3940	3.5	0
HC03-20	AES12hour_100year	PWOPRMHS0001662	1.5	2.4	500	0.6	0
HC04-01	AES12hour_100year	PWOPRMHS0002042	3.59	18	897.5	0.6	0
HC04-02	AES12hour_100year	PWOPRMHS0001874	0.66	13.9	200	1.5	0
HC04-03	AES12hour_100year	PWOPRMHS0001739	1.2	14.9	363.636	1	0
HC04-04	AES12hour_100year	PWOPRMHS0002041	5.28	18	812.308	1.1	0
HC04-05	AES12hour_100year	PWOPRMHS0001741	0.62	17.6	182.353	2.6	0
HC04-06	AES12hour_100year	PWOPRMHS0002051	1.07	17.6	324.242	0.6	0

HC04-07	AES12hour_100year	PWOPRMHS0001745	0.09	38.4	81.818	0.1	0
HC04-08	AES12hour_100year	PWOPRMHS0001746	0.34	15.5	79.07	1.5	0
HC04-09	AES12hour_100year	PWOPRMHS0001692	0.53	17.6	147.222	1	0
HC04-10	AES12hour_100year	PWOPRMHS0001743	0.62	17.6	177.143	0.6	0
HC04-11	AES12hour_100year	PWOPRMHS0001691	0.91	16.7	325	1.6	0
HC04-12	AES12hour_100year	PWOPRMHS0001919	2.2	13.2	687.5	0.7	0
HC04-13	AES12hour_100year	PWOPRMHS0001690	0.3	15.2	115.385	0.6	0
HC04-14	AES12hour_100year	PWOPRMHS0002095	2.79	14	734.211	0.3	0
HC04-15	AES12hour_100year	PWOPRMHS0003153	3.91	14	1221.875	0.8	0
HC04-16	AES12hour_100year	PWOPRMHS0001680	0.46	15.2	153.333	1	0
HC04-17	AES12hour_100year	PWOPRMHS0003160	2.26	17.6	904	0.9	0
HC04-18	AES12hour_100year	PWOPRMHS0003146	0.26	21.1	173.333	0.1	0
HC04-19	AES12hour_100year	PWOPRMHS0003149	1.3	12	361.111	1.5	0
HC04-20	AES12hour_100year	PWOPRMHS0003137	0.56	12	169.697	2.4	0
HC04-21	AES12hour_100year	PWOPRMHS0003136	0.15	17.2	75	1.2	0
HC04-22	AES12hour_100year	PWOPRMHS0001686	0.23	19.2	104.545	0.8	0
HC04-23	AES12hour_100year	PWOPRMHS0002046	0.56	17.6	329.412	2.4	0
HC04-24	AES12hour_100year	PWOPRMHS0001686	0.13	14.4	40.625	5	0
HC04-25	AES12hour_100year	PWOPRMHS0001682	0.78	13.6	236.364	1.5	0
HC04-26	AES12hour_100year	PWOPRMHS0001689	0.74	12.8	194.737	0.1	0
HC04-27	AES12hour_100year	PWOPRMHS0001705	0.36	10.8	109.091	1.4	0
HC04-28	AES12hour_100year	PWOPRMHS0001705	0.73	15.2	192.105	1.4	0
HC04-29	AES12hour_100year	PWOPRMHS0001706	3.62	13.6	1096.97	1.1	0
HC04-30	AES12hour_100year	PWOPRMHS0001678	1.94	14	554.286	1.5	0
HC04-31	AES12hour_100year	PWOPRMHS0001677	0.48	28	200	0.6	0
HC04-32	AES12hour_100year	PWOPRMHS0001676	0.34	15.2	97.143	0.8	0
HC04-33	AES12hour_100year	PWOPRMHS0001713	1.13	13.6	452	0.7	0
HC04-34	AES12hour_100year	37	1.55	5.6	620	0.6	0
HC04-35	AES12hour_100year	PWOPRMHS0001688	0.49	13.6	122.5	1.2	0
HC04-36	AES12hour_100year	PWOPRMHS0002050	2.93	32.5	1085.185	2.4	0
HC05-01	AES12hour_100year	PWOPRMHS0005188	5.99	12	1711.429	3.8	0
HC05-02	AES12hour_100year	PWOPRMHS0005196	3.23	12.4	769.048	3.2	0
HC05-03	AES12hour_100year	PWOPRMHS0005183	0.11	76	110	2.7	0
HC05-04	AES12hour_100year	PWOPRMHS0005181	0.49	11.2	175	1.1	0
HC05-05	AES12hour_100year	PWOPRMHS0005179	0.92	15	224.39	0.5	0
HC05-06	AES12hour_100year	PWOPRMHS0005223	0.42	16.8	140	1.6	0
HC05-07	AES12hour_100year	PWOPRMHS0005226	0.73	13.2	208.571	1.4	0
HC05-08	AES12hour_100year	PWOPRMHS0005231	2.2	13.6	628.571	0.9	0
HC05-09	AES12hour_100year	PWOPRMHS0005229	0.27	13.2	108	0.1	0
HC05-10	AES12hour_100year	PWOPRMHS0005230	0.35	17.6	250	1.4	0
HC05-11	AES12hour_100year	24	3.17	5.2	1509.524	1.5	0

HC06-01	AES12hour_100year	PWOPRMHS0005009	0.32	15.2	160	0.5	0
HC06-02	AES12hour_100year	PWOPRMHS0005008	0.65	14.8	216.667	0.3	0
HC06-03	AES12hour_100year	PWOPRMHS0005012	1.49	0	175.294	0.6	0
HC06-04	AES12hour_100year	PWOPRMHS0005011	1.11	0.4	584.211	0.1	0
HC06-05	AES12hour_100year	PWOPRMHS0004137	0.35	10.8	109.375	1.1	0
HC06-06	AES12hour_100year	PWOPRMHS0004135	1.57	12.8	402.564	2.7	0
HC06-07	AES12hour_100year	PWOPRMHS0004133	0.4	11.2	117.647	5.9	0
HC06-08	AES12hour_100year	PWOPRMHS0004201	4.15	14.4	1383.333	2.9	0
HC06-09	AES12hour_100year	PWOPRMHS0004159	2.61	13	1044	3.2	0
HC06-10	AES12hour_100year	PWOPRMHS0004129	2.4	12.8	705.882	2.9	0
HC06-11	AES12hour_100year	PWOPRMHS0004130	0.22	17.6	157.143	0.6	0
HC06-12	AES12hour_100year	PWOPRMHS0004131	0.2	24.8	133.333	0.7	0
HC06-13	AES12hour_100year	PWOPRMHS0004132	0.28	51.2	93.333	3.7	0
HC06-14	AES12hour_100year	PWOPRMHS0004143	1.81	23	786.957	0.4	0
HC06-15	AES12hour_100year	PWOPRMHS0005178	0.12	80	120	0.3	0
HC06-16	AES12hour_100year	PWOPRMHS0004142	0.28	67	121.739	1.1	0
HC06-17	AES12hour_100year	PWOPRMHS0004142	1.54	22	550	0.4	0
HC06-18	AES12hour_100year	PWOPRMHS0005001	2.66	55.4	1209.091	0.4	0
HC06-19	AES12hour_100year	PWOPRMHS0004999	0.03	80	30	2.5	0
HC06-20	AES12hour_100year	PWOPRMHS0005000	0.21	80	210	0.4	0
HC06-21	AES12hour_100year	PWOPRMHS0001598	1.27	67	317.5	0.1	0
HC06-22	AES12hour_100year	PWOPRMHS0004998	0.06	80	60	1.6	0
HC06-23	AES12hour_100year	PWOPRMHS0001601	1.5	70	357.143	0.4	0
HC06-24	AES12hour_100year	PWOPRMHS0001602	0.12	80	120	0.9	0
HC06-25	AES12hour_100year	PWOPRMHS0001600	3.35	17.6	1046.875	3.8	0
HC06-26	AES12hour_100year	PWOPRMHS0001605	2.64	25.6	880	0.5	0
HC06-27	AES12hour_100year	PWOPRMHS0001603	0.16	76	160	0.6	0
HC06-28	AES12hour_100year	PWOPRMHS0001604	0.2	80	50	0.5	0
HC06-29	AES12hour_100year	PWOPRMHS0001606	1.24	8	364.706	0.6	0
HC06-30	AES12hour_100year	PWOPRMHS0001670	0.33	48	100	1.5	0
HC06-31	AES12hour_100year	42	1.81	1.6	754.167	1.8	0
HC06-32	AES12hour_100year	PWOPRMHS0005003	1.35	5.2	421.875	0.4	0
HC07-01	AES12hour_100year	PWOPRMHS0001697	3.02	17.2	915.152	0.2	0
HC07-02	AES12hour_100year	PWOPRMHS0001733	1.15	18.8	396.552	0.5	0
HC07-03	AES12hour_100year	PWOPRMHS0001736	0.37	15.2	246.667	0.6	0
HC07-04	AES12hour_100year	PWOPRMHS0001878	0.34	11.6	100	0.8	0
HC07-05	AES12hour_100year	PWOPRMHS0001614	0.29	15.2	85.294	0.1	0
HC07-06	AES12hour_100year	PWOPRMHS0001881	2.06	14	515	0.3	0
HC07-07	AES12hour_100year	PWOPRMHS0001643	0.38	14	95	1	0
HC07-08	AES12hour_100year	PWOPRMHS0001642	0.19	57.6	47.5	0.1	0
HC07-09	AES12hour_100year	PWOPRMHS0001611	0.25	17.6	92.593	3.3	0

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HC08-01          AES12hour_100year PWOPRMHS0005908 0.69     17.2     222.581  0.7      0
HC08-02          AES12hour_100year PWOPRMHS0005909 2.32     18.8     644.444  0.5      0
HC08-03          AES12hour_100year PWOPRMHS0005924 2        15.2     588.235  0.4      0
HC08-04          AES12hour_100year PWOPRMHS0005926 0.69     11.6     143.75   0.6      0
HC08-05          AES12hour_100year PWOPRMHS0005927 0.65     15.2     191.176  1.1      0
HC08-06          AES12hour_100year PWOPRMHS0005932 1.18     14       310.526  1        0
HC08-07          AES12hour_100year PWOPRMHS0005944 0.55     14       134.146  1.4      0
HC08-08          AES12hour_100year PWOPRMHS0005931 0.41     57.6     215.789  0.4      0
HC08-09          AES12hour_100year PWOPRMHS0005946 1.78     17.6     508.571  0.5      0
HC08-10          AES12hour_100year PWOPRMHS0005930 1.32     1.6      660      1.4      0
HC09-01          AES12hour_100year PWOPRMHS0001390 0.95     20       237.5    0.3      0
HC09-02          AES12hour_100year PWOPRMHS0001392 1.03     14       302.941  1        0
HC09-03          AES12hour_100year PWOPRMHS0001402 0.97     15.2     269.444  0.6      0
HC09-04          AES12hour_100year PWOPRMHS0001395 2.54     11.2     819.355  0.9      0
HC09-05          AES12hour_100year PWOPRMHS0001398 2.6      12.4     702.703  1.3      0
HC09-06          AES12hour_100year PWOPRMHS0001401 1.23     12       476.744  0.7      0
HC09-07          AES12hour_100year 36               0.48     8        266.667  0.3      0
HC10-01          AES12hour_100year PWOPRMHS0001408 4.47     12.3     1064.286 1.7      0
HC10-02          AES12hour_100year PWOPRMHS0001467 2.53     28.3     527.083  1.3      0
HC10-03          AES12hour_100year PWOPRMHS0001393 1.86     26.9     422.727  0.4      0
HC10-04          AES12hour_100year PWOPRMHS0001424 1.84     15.5     418.182  2.8      0
HC10-05          AES12hour_100year PWOPRMHS0001389 2.41     14.2     535.556  0.5      0
HC10-06          AES12hour_100year PWOPRMHS0001388 1.33     12.4     369.444  0.6      0
HC10-07          AES12hour_100year PWOPRMHS0001429 1.71     16.5     488.571  1.2      0
HC10-08          AES12hour_100year PWOPRMHS0001371 1.19     14.9     476      3.7      0
HC10-09          AES12hour_100year MHEasement2     1.39     12.2     315.909  1.1      0
HC10-10          AES12hour_100year PWOPRMHS0001423 0.28     14.9     93.333   1.9      0
HC10-11          AES12hour_100year PWOPRMHS0001422 0.27     19.5     158.824  2.1      0
HC10-12          AES12hour_100year 50               0.9      2.4      428.571  0.7      0
HC10-13          AES12hour_100year MHEasement1     0.59     16       131.111  0.8      0
HC10-14          AES12hour_100year PWOPRMHS0001374 0.46     16.3     115      2.1      0
HC10-15          AES12hour_100year PWOPRMHS0001420 0.4      16.5     160      1.6      0

[SUBAREAS]
;;Subcatchment   N-Imperv   N-Perv     S-Imperv   S-Perv     PctZero    RouteTo    PctRouted
;;-------------- ---------- ---------- ---------- ---------- ---------- ---------- ----------
A1               0.013      0.35       1          7          25         OUTLET
A1.1             0.013      0.2        1          5          25         OUTLET
A1.1_FRST        0.013      0.2        1          7          25         OUTLET
A2               0.013      0.35       1          7          25         OUTLET
A2.1             0.013      0.2        1          5          25         OUTLET
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A2.1_FRST	0.013	0.2	1	7	25	OUTLET
A2.2	0.013	0.2	1	5	25	OUTLET
A2.2_FRST	0.013	0.2	1	7	25	OUTLET
A3	0.013	0.35	1	7	25	OUTLET
A3.1	0.013	0.2	1	5	25	OUTLET
A3.1_FRST	0.013	0.2	1	7	25	OUTLET
A3.2	0.013	0.2	1	5	25	OUTLET
A3.2_FRST	0.013	0.2	1	7	25	OUTLET
A3.3	0.013	0.2	1	5	25	OUTLET
A3.3_FRST	0.013	0.2	1	7	25	OUTLET
A4	0.013	0.35	1	7	25	OUTLET
A4.1	0.013	0.2	1	5	25	OUTLET
A4.1_FRST	0.013	0.2	1	7	25	OUTLET
A4.2	0.013	0.2	1	5	25	OUTLET
A4.2_FRST	0.013	0.2	1	7	25	OUTLET
A4.3	0.013	0.2	1	5	25	OUTLET
A4.3_FRST	0.013	0.2	1	7	25	OUTLET
A4.4_FRST	0.013	0.2	1	7	25	OUTLET
A4.5	0.013	0.2	1	5	25	OUTLET
A4.5_FRST	0.013	0.2	1	7	25	OUTLET
A4.6	0.013	0.2	1	5	25	OUTLET
A4.6_FRST	0.013	0.2	1	7	25	OUTLET
B1	0.013	0.35	1	7	25	OUTLET
B1.1	0.013	0.2	1	5	25	OUTLET
B1.1_FRST	0.013	0.2	1	7	25	OUTLET
B2	0.013	0.35	1	7	25	OUTLET
B2.1	0.013	0.2	1	5	25	OUTLET
B2.1_FRST	0.013	0.2	1	7	25	OUTLET
C1	0.013	0.35	1	7	25	OUTLET
C1.1	0.013	0.2	1	5	25	OUTLET
C1.1_FRST	0.013	0.2	1	7	25	OUTLET
D1	0.013	0.35	1	7	25	OUTLET
D1.1	0.013	0.2	1	5	25	OUTLET
D1.1_FRST	0.013	0.2	1	7	25	OUTLET
D2	0.013	0.35	1	7	25	OUTLET
D2.1	0.013	0.2	1	5	25	OUTLET
D2.1_FRST	0.013	0.2	1	7	25	OUTLET
D3	0.013	0.35	1	7	25	OUTLET
D3.1	0.013	0.2	1	5	25	OUTLET
D4	0.013	0.35	1	7	25	OUTLET
D4.1	0.013	0.2	1	5	25	OUTLET

D4.1_FRST	0.013	0.2	1	7	25	OUTLET
E1	0.013	0.35	1	7	25	OUTLET
E1.1	0.013	0.2	1	5	25	OUTLET
E1.1_FRST	0.013	0.2	1	7	25	OUTLET
E2	0.013	0.35	1	7	25	OUTLET
E2.1	0.013	0.2	1	5	25	OUTLET
E2.1_FRST	0.013	0.2	1	7	25	OUTLET
E3	0.013	0.35	1	7	25	OUTLET
E3.1	0.013	0.2	1	5	25	OUTLET
E3.1_FRST	0.013	0.2	1	7	25	OUTLET
HC01-01	0.013	0.2	1	5	25	OUTLET
HC01-02	0.013	0.2	1	5	25	OUTLET
HC01-03	0.013	0.2	1	5	25	OUTLET
HC01-04	0.013	0.2	1	5	25	OUTLET
HC01-05	0.013	0.2	1	5	25	OUTLET
HC01-06	0.013	0.2	1	5	25	OUTLET
HC01-07	0.013	0.2	1	5	25	OUTLET
HC01-08	0.013	0.2	1	5	25	OUTLET
HC01-09	0.013	0.2	1	5	25	OUTLET
HC01-10	0.013	0.2	1	5	25	OUTLET
HC01-11	0.013	0.2	1	5	25	OUTLET
HC01-12	0.013	0.2	1	5	25	OUTLET
HC02-01	0.013	0.2	1	5	25	OUTLET
HC02-02	0.013	0.2	1	5	25	OUTLET
HC02-03	0.013	0.2	1	5	25	OUTLET
HC02-04	0.013	0.2	1	5	25	OUTLET
HC02-05	0.013	0.2	1	5	25	OUTLET
HC02-06	0.013	0.2	1	5	25	OUTLET
HC02-07	0.013	0.2	1	5	25	OUTLET
HC02-08	0.013	0.2	1	5	25	OUTLET
HC02-09	0.013	0.2	1	5	25	OUTLET
HC02-10	0.013	0.2	1	5	25	OUTLET
HC02-11	0.013	0.2	1	5	25	OUTLET
HC02-12	0.013	0.2	1	5	25	OUTLET
HC02-13	0.013	0.2	1	5	25	OUTLET
HC02-14	0.013	0.2	1	5	25	OUTLET
HC02-15	0.013	0.2	1	5	25	OUTLET
HC02-16	0.013	0.2	1	5	25	OUTLET
HC02-17	0.013	0.2	1	5	25	OUTLET
HC02-18	0.013	0.2	1	5	25	OUTLET
HC02-19	0.013	0.2	1	5	25	OUTLET

HC02-20	0.013	0.2	1	5	25	OUTLET
HC02-21	0.013	0.2	1	5	25	OUTLET
HC02-22	0.013	0.2	1	5	25	OUTLET
HC02-23	0.013	0.2	1	5	25	OUTLET
HC02-24	0.013	0.2	1	5	25	OUTLET
HC02-25	0.013	0.2	1	5	25	OUTLET
HC02-26	0.013	0.2	1	5	25	OUTLET
HC02-27	0.013	0.2	1	5	25	OUTLET
HC02-28	0.013	0.2	1	5	25	OUTLET
HC02-29	0.013	0.2	1	5	25	OUTLET
HC02-30	0.013	0.2	1	5	25	OUTLET
HC02-31	0.013	0.2	1	5	25	OUTLET
HC02-32	0.013	0.2	1	5	25	OUTLET
HC02-33	0.013	0.2	1	5	25	OUTLET
HC02-34	0.013	0.2	1	5	25	OUTLET
HC02-35	0.013	0.2	1	5	25	OUTLET
HC02-36	0.013	0.2	1	5	25	OUTLET
HC02-37	0.013	0.2	1	5	25	OUTLET
HC02-38	0.013	0.2	1	5	25	OUTLET
HC02-39	0.013	0.2	1	5	25	OUTLET
HC03-01	0.013	0.2	1	5	25	OUTLET
HC03-02	0.013	0.2	1	5	25	OUTLET
HC03-03	0.013	0.2	1	5	25	OUTLET
HC03-04	0.013	0.2	1	5	25	OUTLET
HC03-05	0.013	0.2	1	5	25	OUTLET
HC03-06	0.013	0.2	1	5	25	OUTLET
HC03-07	0.013	0.2	1	5	25	OUTLET
HC03-08	0.013	0.2	1	5	25	OUTLET
HC03-09	0.013	0.2	1	5	25	OUTLET
HC03-10	0.013	0.2	1	5	25	OUTLET
HC03-11	0.013	0.2	1	5	25	OUTLET
HC03-12	0.013	0.2	1	5	25	OUTLET
HC03-13	0.013	0.2	1	5	25	OUTLET
HC03-14	0.013	0.2	1	5	25	OUTLET
HC03-15	0.013	0.2	1	5	25	OUTLET
HC03-16	0.013	0.2	1	5	25	OUTLET
HC03-17	0.013	0.2	1	5	25	OUTLET
HC03-18	0.013	0.2	1	5	25	OUTLET
HC03-19	0.013	0.2	1	5	25	OUTLET
HC03-20	0.013	0.2	1	5	25	OUTLET
HC04-01	0.013	0.2	1	5	25	OUTLET

HC04-02	0.013	0.2	1	5	25	OUTLET
HC04-03	0.013	0.2	1	5	25	OUTLET
HC04-04	0.013	0.2	1	5	25	OUTLET
HC04-05	0.013	0.2	1	5	25	OUTLET
HC04-06	0.013	0.2	1	5	25	OUTLET
HC04-07	0.013	0.2	1	5	25	OUTLET
HC04-08	0.013	0.2	1	5	25	OUTLET
HC04-09	0.013	0.2	1	5	25	OUTLET
HC04-10	0.013	0.2	1	5	25	OUTLET
HC04-11	0.013	0.2	1	5	25	OUTLET
HC04-12	0.013	0.2	1	5	25	OUTLET
HC04-13	0.013	0.2	1	5	25	OUTLET
HC04-14	0.013	0.2	1	5	25	OUTLET
HC04-15	0.013	0.2	1	5	25	OUTLET
HC04-16	0.013	0.2	1	5	25	OUTLET
HC04-17	0.013	0.2	1	5	25	OUTLET
HC04-18	0.013	0.2	1	5	25	OUTLET
HC04-19	0.013	0.2	1	5	25	OUTLET
HC04-20	0.013	0.2	1	5	25	OUTLET
HC04-21	0.013	0.2	1	5	25	OUTLET
HC04-22	0.013	0.2	1	5	25	OUTLET
HC04-23	0.013	0.2	1	5	25	OUTLET
HC04-24	0.013	0.2	1	5	25	OUTLET
HC04-25	0.013	0.2	1	5	25	OUTLET
HC04-26	0.013	0.2	1	5	25	OUTLET
HC04-27	0.013	0.2	1	5	25	OUTLET
HC04-28	0.013	0.2	1	5	25	OUTLET
HC04-29	0.013	0.2	1	5	25	OUTLET
HC04-30	0.013	0.2	1	5	25	OUTLET
HC04-31	0.013	0.2	1	5	25	OUTLET
HC04-32	0.013	0.2	1	5	25	OUTLET
HC04-33	0.013	0.2	1	5	25	OUTLET
HC04-34	0.013	0.2	1	5	25	OUTLET
HC04-35	0.013	0.2	1	5	25	OUTLET
HC04-36	0.013	0.2	1	5	25	OUTLET
HC05-01	0.013	0.2	1	5	25	OUTLET
HC05-02	0.013	0.2	1	5	25	OUTLET
HC05-03	0.013	0.2	1	5	25	OUTLET
HC05-04	0.013	0.2	1	5	25	OUTLET
HC05-05	0.013	0.2	1	5	25	OUTLET
HC05-06	0.013	0.2	1	5	25	OUTLET

HC05-07	0.013	0.2	1	5	25	OUTLET
HC05-08	0.013	0.2	1	5	25	OUTLET
HC05-09	0.013	0.2	1	5	25	OUTLET
HC05-10	0.013	0.2	1	5	25	OUTLET
HC05-11	0.013	0.2	1	5	25	OUTLET
HC06-01	0.013	0.2	1	5	25	OUTLET
HC06-02	0.013	0.2	1	5	25	OUTLET
HC06-03	0.013	0.2	1	5	25	OUTLET
HC06-04	0.013	0.2	1	5	25	OUTLET
HC06-05	0.013	0.2	1	5	25	OUTLET
HC06-06	0.013	0.2	1	5	25	OUTLET
HC06-07	0.013	0.2	1	5	25	OUTLET
HC06-08	0.013	0.2	1	5	25	OUTLET
HC06-09	0.013	0.2	1	5	25	OUTLET
HC06-10	0.013	0.2	1	5	25	OUTLET
HC06-11	0.013	0.2	1	5	25	OUTLET
HC06-12	0.013	0.2	1	5	25	OUTLET
HC06-13	0.013	0.2	1	5	25	OUTLET
HC06-14	0.013	0.2	1	5	25	OUTLET
HC06-15	0.013	0.2	1	5	25	OUTLET
HC06-16	0.013	0.2	1	5	25	OUTLET
HC06-17	0.013	0.2	1	5	25	OUTLET
HC06-18	0.013	0.2	1	5	25	OUTLET
HC06-19	0.013	0.2	1	5	25	OUTLET
HC06-20	0.013	0.2	1	5	25	OUTLET
HC06-21	0.013	0.2	1	5	25	OUTLET
HC06-22	0.013	0.2	1	5	25	OUTLET
HC06-23	0.013	0.2	1	5	25	OUTLET
HC06-24	0.013	0.2	1	5	25	OUTLET
HC06-25	0.013	0.2	1	5	25	OUTLET
HC06-26	0.013	0.2	1	5	25	OUTLET
HC06-27	0.013	0.2	1	5	25	OUTLET
HC06-28	0.013	0.2	1	5	25	OUTLET
HC06-29	0.013	0.2	1	5	25	OUTLET
HC06-30	0.013	0.2	1	5	25	OUTLET
HC06-31	0.013	0.2	1	5	25	OUTLET
HC06-32	0.013	0.2	1	5	25	OUTLET
HC07-01	0.013	0.2	1	5	25	OUTLET
HC07-02	0.013	0.2	1	5	25	OUTLET
HC07-03	0.013	0.2	1	5	25	OUTLET
HC07-04	0.013	0.2	1	5	25	OUTLET

```
HC07-05          0.013      0.2        1          5          25         OUTLET
HC07-06          0.013      0.2        1          5          25         OUTLET
HC07-07          0.013      0.2        1          5          25         OUTLET
HC07-08          0.013      0.2        1          5          25         OUTLET
HC07-09          0.013      0.2        1          5          25         OUTLET
HC08-01          0.013      0.2        1          5          25         OUTLET
HC08-02          0.013      0.2        1          5          25         OUTLET
HC08-03          0.013      0.2        1          5          25         OUTLET
HC08-04          0.013      0.2        1          5          25         OUTLET
HC08-05          0.013      0.2        1          5          25         OUTLET
HC08-06          0.013      0.2        1          5          25         OUTLET
HC08-07          0.013      0.2        1          5          25         OUTLET
HC08-08          0.013      0.2        1          5          25         OUTLET
HC08-09          0.013      0.2        1          5          25         OUTLET
HC08-10          0.013      0.2        1          5          25         OUTLET
HC09-01          0.013      0.2        1          5          25         OUTLET
HC09-02          0.013      0.2        1          5          25         OUTLET
HC09-03          0.013      0.2        1          5          25         OUTLET
HC09-04          0.013      0.2        1          5          25         OUTLET
HC09-05          0.013      0.2        1          5          25         OUTLET
HC09-06          0.013      0.2        1          5          25         OUTLET
HC09-07          0.013      0.2        1          5          25         OUTLET
HC10-01          0.013      0.2        1          5          25         OUTLET
HC10-02          0.013      0.2        1          5          25         OUTLET
HC10-03          0.013      0.2        1          5          25         OUTLET
HC10-04          0.013      0.2        1          5          25         OUTLET
HC10-05          0.013      0.2        1          5          25         OUTLET
HC10-06          0.013      0.2        1          5          25         OUTLET
HC10-07          0.013      0.2        1          5          25         OUTLET
HC10-08          0.013      0.2        1          5          25         OUTLET
HC10-09          0.013      0.2        1          5          25         OUTLET
HC10-10          0.013      0.2        1          5          25         OUTLET
HC10-11          0.013      0.2        1          5          25         OUTLET
HC10-12          0.013      0.2        1          5          25         OUTLET
HC10-13          0.013      0.2        1          5          25         OUTLET
HC10-14          0.013      0.2        1          5          25         OUTLET
HC10-15          0.013      0.2        1          5          25         OUTLET

[INFILTRATION]
;;Subcatchment   Suction    HydCon     IMDmax
;;-------------- ---------- ---------- ----------
```

A1	166	5	0.2
A1.1	248	2	0.2
A1.1_FRST	227	3	0.2
A2	192	5	0.2
A2.1	238	4	0.2
A2.1_FRST	235	5	0.2
A2.2	244	3	0.2
A2.2_FRST	229	5	0.2
A3	157	8	0.2
A3.1	250	2	0.2
A3.1_FRST	238	5	0.2
A3.2	242	3	0.2
A3.2_FRST	193	7	0.2
A3.3	249	2	0.2
A3.3_FRST	179	8	0.2
A4	156	6	0.2
A4.1	247	2	0.2
A4.1_FRST	210	6	0.2
A4.2	250	2	0.2
A4.2_FRST	220	4	0.2
A4.3	243	3	0.2
A4.3_FRST	154	9	0.2
A4.4_FRST	144	10	0.2
A4.5	245	2	0.2
A4.5_FRST	233	3	0.2
A4.6	193	7	0.2
A4.6_FRST	152	9	0.2
B1	250	2	0.2
B1.1	250	2	0.2
B1.1_FRST	250	2	0.2
B2	250	2	0.2
B2.1	250	2	0.2
B2.1_FRST	250	2	0.2
C1	147	5	0.2
C1.1	236	3	0.2
C1.1_FRST	151	5	0.2
D1	145	7	0.2
D1.1	147	10	0.2
D1.1_FRST	146	7	0.2
D2	146	6	0.2
D2.1	155	9	0.2

D2.1_FRST	145	8	0.2
D3	172	5	0.2
D3.1	160	9	0.2
D4	145	7	0.2
D4.1	172	8	0.2
D4.1_FRST	150	8	0.2
E1	213	5	0.2
E1.1	188	5	0.2
E1.1_FRST	166	7	0.2
E2	233	3	0.2
E2.1	250	2	0.2
E2.1_FRST	241	3	0.2
E3	170	9	0.2
E3.1	217	5	0.2
E3.1_FRST	201	6	0.2
HC01-01	237	4.6	0.2
HC01-02	237	4.5	0.2
HC01-03	237	4.5	0.2
HC01-04	237	4.7	0.2
HC01-05	237	4.5	0.2
HC01-06	237	4.5	0.2
HC01-07	237	4.5	0.2
HC01-08	237	4.5	0.2
HC01-09	237	4.5	0.2
HC01-10	237	4.5	0.2
HC01-11	237	4.5	0.2
HC01-12	146	4.5	0.2
HC02-01	237	4.4	0.2
HC02-02	237	3.9	0.2
HC02-03	237	4.1	0.2
HC02-04	237	4.3	0.2
HC02-05	237	4.4	0.2
HC02-06	237	4.4	0.2
HC02-07	237	4.5	0.2
HC02-08	237	4.6	0.2
HC02-09	237	4.5	0.2
HC02-10	237	4.6	0.2
HC02-11	237	4.5	0.2
HC02-12	237	4.6	0.2
HC02-13	237	4.6	0.2
HC02-14	237	4.6	0.2

HC02-15	237	4.5	0.2
HC02-16	144	9.7	0.2
HC02-17	146	4.5	0.2
HC02-18	144	9.7	0.2
HC02-19	144	9.6	0.2
HC02-20	237	4.3	0.2
HC02-21	237	4.5	0.2
HC02-22	237	4.5	0.2
HC02-23	237	4.1	0.2
HC02-24	237	3.6	0.2
HC02-25	237	4	0.2
HC02-26	237	3.8	0.2
HC02-27	144	9.6	0.2
HC02-28	144	9.6	0.2
HC02-29	144	9.3	0.2
HC02-30	144	10.4	0.2
HC02-31	144	9.5	0.2
HC02-32	144	9.6	0.2
HC02-33	144	9.5	0.2
HC02-34	144	9.3	0.2
HC02-35	144	10.3	0.2
HC02-36	144	10	0.2
HC02-37	144	10	0.2
HC02-38	237	4.5	0.2
HC02-39	237	4.6	0.2
HC03-01	237	3.7	0.2
HC03-02	237	4.4	0.2
HC03-03	237	4.4	0.2
HC03-04	237	4.4	0.2
HC03-05	237	4.2	0.2
HC03-06	237	4.5	0.2
HC03-07	237	4.4	0.2
HC03-08	144	9.9	0.2
HC03-09	144	10	0.2
HC03-10	144	9.9	0.2
HC03-11	144	9.9	0.2
HC03-12	144	9.7	0.2
HC03-13	144	9.5	0.2
HC03-14	144	7.6	0.2
HC03-15	144	9.7	0.2
HC03-16	144	9.5	0.2

HC03-17	237	4.2	0.2
HC03-18	237	3.6	0.2
HC03-19	237	4.7	0.2
HC03-20	237	4.7	0.2
HC04-01	146	4.6	0.2
HC04-02	144	10	0.2
HC04-03	144	10	0.2
HC04-04	146	4.6	0.2
HC04-05	144	9.8	0.2
HC04-06	144	9.8	0.2
HC04-07	144	9.1	0.2
HC04-08	144	9.9	0.2
HC04-09	144	9.8	0.2
HC04-10	144	9.8	0.2
HC04-11	144	10.2	0.2
HC04-12	144	9.8	0.2
HC04-13	144	9.5	0.2
HC04-14	237	4.5	0.2
HC04-15	237	4.5	0.2
HC04-16	237	4.4	0.2
HC04-17	237	4.5	0.2
HC04-18	237	4.5	0.2
HC04-19	237	4.6	0.2
HC04-20	237	4.6	0.2
HC04-21	237	4.5	0.2
HC04-22	237	4.5	0.2
HC04-23	237	4.6	0.2
HC04-24	237	4.5	0.2
HC04-25	146	4.5	0.2
HC04-26	144	9.8	0.2
HC04-27	237	4.6	0.2
HC04-28	144	9.5	0.2
HC04-29	146	4.5	0.2
HC04-30	146	4.5	0.2
HC04-31	144	9.4	0.2
HC04-32	144	9.5	0.2
HC04-33	144	9.7	0.2
HC04-34	144	10	0.2
HC04-35	144	9.7	0.2
HC04-36	146	4.3	0.2
HC05-01	146	4.6	0.2

HC05-02	146	4.6	0.2
HC05-03	144	5	0.2
HC05-04	144	10	0.2
HC05-05	144	9.3	0.2
HC05-06	144	9.7	0.2
HC05-07	144	9.8	0.2
HC05-08	144	9.7	0.2
HC05-09	144	9.8	0.2
HC05-10	144	9.6	0.2
HC05-11	144	10	0.2
HC06-01	237	4.4	0.2
HC06-02	237	4.4	0.2
HC06-03	237	4.8	0.2
HC06-04	237	4.8	0.2
HC06-05	237	4.5	0.2
HC06-06	237	4.5	0.2
HC06-07	146	4.5	0.2
HC06-08	237	4.5	0.2
HC06-09	237	4.5	0.2
HC06-10	237	4.5	0.2
HC06-11	146	4.4	0.2
HC06-12	146	4.4	0.2
HC06-13	144	8.2	0.2
HC06-14	144	7.8	0.2
HC06-15	144	3.5	0.2
HC06-16	144	5.9	0.2
HC06-17	144	8	0.2
HC06-18	144	8	0.2
HC06-19	144	3.5	0.2
HC06-20	144	3.5	0.2
HC06-21	144	6.6	0.2
HC06-22	144	3.5	0.2
HC06-23	144	6.2	0.2
HC06-24	144	3.5	0.2
HC06-25	146	4.4	0.2
HC06-26	144	9.7	0.2
HC06-27	144	5	0.2
HC06-28	144	3.5	0.2
HC06-29	146	4.7	0.2
HC06-30	146	4.2	0.2
HC06-31	144	10.3	0.2

HC06-32	144	10	0.2
HC07-01	144	9.7	0.2
HC07-02	144	9.8	0.2
HC07-03	144	9.6	0.2
HC07-04	144	9.7	0.2
HC07-05	144	9.8	0.2
HC07-06	144	9.7	0.2
HC07-07	144	9.8	0.2
HC07-08	144	9.6	0.2
HC07-09	144	10.3	0.2
HC08-01	146	4.5	0.2
HC08-02	146	4.4	0.2
HC08-03	144	9.5	0.2
HC08-04	146	4.6	0.2
HC08-05	146	4.3	0.2
HC08-06	146	4.5	0.2
HC08-07	146	4.5	0.2
HC08-08	146	3.7	0.2
HC08-09	146	4.2	0.2
HC08-10	146	4.7	0.2
HC09-01	144	10.1	0.2
HC09-02	144	10.2	0.2
HC09-03	144	9.9	0.2
HC09-04	144	10	0.2
HC09-05	144	9.9	0.2
HC09-06	144	9.9	0.2
HC09-07	144	9.7	0.2
HC10-01	144	10.1	0.2
HC10-02	144	9.4	0.2
HC10-03	144	9.6	0.2
HC10-04	144	9.9	0.2
HC10-05	144	10	0.2
HC10-06	144	9.9	0.2
HC10-07	144	9.9	0.2
HC10-08	144	10	0.2
HC10-09	144	9.9	0.2
HC10-10	144	10	0.2
HC10-11	144	9.8	0.2
HC10-12	144	10.3	0.2
HC10-13	144	9.9	0.2
HC10-14	144	9.9	0.2

```
HC10-15          144        9.9        0.2

[JUNCTIONS]
;;               Invert     Max.       Init.      Surcharge  Ponded
;;Name           Elev.      Depth      Depth      Depth      Area
;;-------------- ---------- ---------- ---------- ---------- ----------
1                332.644    3          0          0          0
11               316.607    3          0          0          0
12               315.5      3          0          0          0
;7
13               314.5      3          0          0          0
14               331.1      3          0          0          0
15               313.95     3          0          0          0
17               312        3          0          0          0
;2
18               322.5      3          0          0          0
19               323.5      3          0          0          0
2                324        3          0          0          0
20               330.1      0          0          0          0
;5
21               321.1      3          0          0          0
;3
22               321.5      3          0          0          0
24               320.5      3          0          0          0
25               321.103    3          0          0          0
26               327.931    3          0          0          0
27               326.5      3          0          0          0
28               326.1      3          0          0          0
29               323.893    3          0          0          0
3                330.57     3          0          0          0
30               320.5      3          0          0          0
;6
31               320.148    3          0          0          0
32               319        3          0          0          0
34               317.868    3          0          0          0
35               317.5      3          0          0          0
36               315.5      3          0          0          0
37               324.1      3          0          0          0
39               321.3      3          0          0          0
4                325        3          0          0          0
40               319.1      3          0          0          0
```

```
42                  322.1      3          0          0          0
48                  324.6      3          0          0          0
49                  321.6      3          0          0          0
;1
5                   329.5      3          0          0          0
50                  318.1      3          0          0          0
53                  314.1      3          0          0          0
54                  313.925    3          0          0          0
;8
56                  301.1      3          0          0          0
6                   329        3          0          0          0
7                   318.1      3          0          0          0
8                   320.964    3          0          0          0
;4
9                   320.404    3          0          0          0
MHEasement1         319.07     3.83       0          0          0
MHEasement2         318.7      2          0          0          0
MHSchool            328.55     3.18       0          0.3        0
MHSWM4              319.25     4.3        0          0.3        0
PWOPRMHS0001369     319.39     2.49       0          0.3        0
PWOPRMHS0001370     319.27     3.33       0          0.3        0
PWOPRMHS0001371     319.82     3.07       0          0.3        0
PWOPRMHS0001372     320.15     3.07       0          0.3        0
PWOPRMHS0001373     320.02     2.26       0          0.3        0
PWOPRMHS0001374     319.69     2.9        0          0.3        0
PWOPRMHS0001375     319.57     2.83       0          0.3        0
PWOPRMHS0001386     318.61     2.05       0          0.3        0
PWOPRMHS0001387     318.75     2.27       0          0.3        0
PWOPRMHS0001388     318.93     2.35       0          0.3        0
PWOPRMHS0001389     319.13     2.39       0          0.3        0
PWOPRMHS0001390     317.49     3.36       0          0.3        0
PWOPRMHS0001391     317.27     3.16       0          0.3        0
PWOPRMHS0001392     318.18     2.66       0          0.3        0
PWOPRMHS0001393     320.19     2.79       0          0.3        0
PWOPRMHS0001394     316.86     2.8        0          0.3        0
PWOPRMHS0001395     316.79     2.63       0          0.3        0
PWOPRMHS0001398     317.27     3.29       0          0.3        0
PWOPRMHS0001399     317.15     2.87       0          0.3        0
PWOPRMHS0001400     316.99     2.75       0          0.3        0
PWOPRMHS0001401     316.67     2.83       0          0.3        0
PWOPRMHS0001402     316.5      2.78       0          0.3        0
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PWOPRMHS0001403	321.7	3.25	0	0.3	0
PWOPRMHS0001404	320.54	2.9	0	0.3	0
PWOPRMHS0001408	320.83	2.96	0	0.3	0
PWOPRMHS0001409	327.81	2.43	0	0.3	0
PWOPRMHS0001410	326.47	3.97	0	0.3	0
PWOPRMHS0001411	327.47	3.16	0	0.3	0
PWOPRMHS0001412	331.69	3.81	0	0.3	0
PWOPRMHS0001413	331.74	3.86	0	0.3	0
PWOPRMHS0001415	319.68	2.59	0	0.3	0
PWOPRMHS0001416	318.99	4.22	0	0.3	0
PWOPRMHS0001418	318.73	3.45	0	0.3	0
PWOPRMHS0001419	319.99	3.16	0	0.3	0
PWOPRMHS0001420	320.5	3.14	0	0.3	0
PWOPRMHS0001421	320.94	3.21	0	0.3	0
PWOPRMHS0001422	320.28	2.33	0	0.3	0
PWOPRMHS0001423	320.43	2.8	0	0.3	0
PWOPRMHS0001424	320.96	2.34	0	0.3	0
PWOPRMHS0001428	323.21	3.02	0	0.3	0
PWOPRMHS0001429	321.35	3.17	0	0.3	0
PWOPRMHS0001430	321.23	2.88	0	0.3	0
PWOPRMHS0001431	323.01	3.1	0	0.3	0
PWOPRMHS0001433	319.78	3.9	0	0.3	0
PWOPRMHS0001435	319.64	2.89	0	0.3	0
PWOPRMHS0001436	318.35	5.33	0	0.3	0
PWOPRMHS0001437	319.38	3.85	0	0.5	0
PWOPRMHS0001438	318.2	4.24	0	0.3	0
PWOPRMHS0001467	320.92	2.97	0	0.3	0
PWOPRMHS0001597	324.78	2.86	0	0.3	0
PWOPRMHS0001598	325.49	2.11	0	0.3	0
PWOPRMHS0001600	324.66	3.3	0	0.3	0
PWOPRMHS0001601	326.15	2	0	0.3	0
PWOPRMHS0001602	325.98	2	0	0.3	0
PWOPRMHS0001603	324.23	3.25	0	0.3	0
PWOPRMHS0001604	323.95	3.47	0	0.3	0
PWOPRMHS0001605	324.34	3.15	0	0.3	0
PWOPRMHS0001606	323.57	3.36	0	0.3	0
PWOPRMHS0001608	325.67	2.5	0	0.3	0
PWOPRMHS0001610	325.44	2.21	0	0.3	0
PWOPRMHS0001611	322.87	2.24	0	0.3	0
PWOPRMHS0001614	322.91	3.09	0	0.3	0
PWOPRMHS0001622	332.73	2.22	0	0.3	0

PWOPRMHS0001624	330.92	3.93	0	0.3	0
PWOPRMHS0001625	330.61	4.33	0	0.3	0
PWOPRMHS0001626	331	4.4	0	0.3	0
PWOPRMHS0001634	326.21	3.77	0	0.3	0
PWOPRMHS0001642	323.27	2.84	0	0.3	0
PWOPRMHS0001643	323.38	2.83	0	0.3	0
PWOPRMHS0001649	329.21	4.17	0	0.3	0
PWOPRMHS0001650	329.57	3.87	0	0.3	0
PWOPRMHS0001651	330.28	4.11	0	0.3	0
PWOPRMHS0001652	326.89	2.16	0	0.3	0
PWOPRMHS0001653	325.24	2.15	0	0.3	0
PWOPRMHS0001654	324.91	2.39	0	0.3	0
PWOPRMHS0001655	330	3.56	0	0.3	0
PWOPRMHS0001657	324.58	2.47	0	0.3	0
PWOPRMHS0001658	324.92	2.21	0	0.3	0
PWOPRMHS0001659	325.31	2.46	0	0.3	0
PWOPRMHS0001660	324.1	2.85	0	0.3	0
PWOPRMHS0001661B	324.31	2.45	0	0.3	0
PWOPRMHS0001662	323.95	2.98	0	0.3	0
PWOPRMHS0001663	324.06	2.66	0	0.3	0
PWOPRMHS0001664	326.35	2.28	0	0.3	0
PWOPRMHS0001667	323.15	3.08	0	0.3	0
PWOPRMHS0001670	322.92	2	0	0.3	0
PWOPRMHS0001674	325.88	3.53	0	0.3	0
PWOPRMHS0001676	326.33	3.2	0	0.3	0
PWOPRMHS0001677	326.59	3.15	0	0.3	0
PWOPRMHS0001678	327.01	2.79	0	0.3	0
PWOPRMHS0001679	335.89	2.66	0	0.3	0
PWOPRMHS0001680	335.06	3.4	0	0.3	0
PWOPRMHS0001682	328.1	3.89	0	0.3	0
PWOPRMHS0001686	328.55	3.6	0	0.3	0
PWOPRMHS0001687	326.4	3.48	0	0.3	0
PWOPRMHS0001688	326.1	3.34	0	0.3	0
PWOPRMHS0001689	326.61	3.68	0	0.3	0
PWOPRMHS0001690	326.74	3.56	0	0.3	0
PWOPRMHS0001691	326.982	3.598	0	0.3	0
PWOPRMHS0001692	327.57	3.44	0	0.3	0
PWOPRMHS0001695	322.25	3.57	0	0.3	0
PWOPRMHS0001697	323.91	3.11	0	0.3	0
PWOPRMHS0001705	328.53	3.5	0	0.3	0
PWOPRMHS0001706	327.14	3.06	0	0.3	0

PWOPRMHS0001713	325.51	3.65	0	0.3	0
PWOPRMHS0001729	329.08	3.52	0	0.3	0
PWOPRMHS0001732	328.98	3.3	0	0.3	0
PWOPRMHS0001733	324.05	2.7	0	0.3	0
PWOPRMHS0001736	323.4	3.15	0	0.3	0
PWOPRMHS0001739	328.89	3.32	0	0.3	0
PWOPRMHS0001740	328.72	3.33	0	0.3	0
PWOPRMHS0001741	329.48	2.76	0	0.3	0
PWOPRMHS0001743	327.29	3.33	0	0.3	0
PWOPRMHS0001744	327.73	3.33	0	0.3	0
PWOPRMHS0001745	328.06	3.3	0	0.3	0
PWOPRMHS0001746	327.93	3.33	0	0.3	0
PWOPRMHS0001761	329.15	2.76	0	0.3	0
PWOPRMHS0001764	327.46	3.78	0	0.3	0
PWOPRMHS0001765	328.04	2.39	0	0.3	0
PWOPRMHS0001766	328.32	2.41	0	0.3	0
PWOPRMHS0001767	327.25	3.62	0	0.3	0
PWOPRMHS0001768	327.85	2.58	0	0.3	0
PWOPRMHS0001788	322.94	3.97	0	0.3	0
PWOPRMHS0001791	325.59	5.96	0	0.3	0
PWOPRMHS0001792	325.24	6.82	0	0.3	0
PWOPRMHS0001796	326.65	4.02	0	0	0
PWOPRMHS0001797	326.4	4.83	0	0	0
PWOPRMHS0001798	326.06	5.77	0	0.3	0
PWOPRMHS0001804	331.98	3.61	0	0.3	0
PWOPRMHS0001836	324.56	5.25	0	0.3	0
PWOPRMHS0001855	326.21	3.73	0	0.3	0
PWOPRMHS0001856	327.73	3.67	0	0.3	0
PWOPRMHS0001857	322.43	3.51	0	0.3	0
PWOPRMHS0001858	329.93	3.69	0	0.3	0
PWOPRMHS0001867	331.94	2.78	0	0.3	0
PWOPRMHS0001874	329.87	3.05	0	0.3	0
PWOPRMHS0001878	323.28	2.96	0	0.3	0
PWOPRMHS0001879	323.04	3.03	0	0.3	0
PWOPRMHS0001881	323.57	2.92	0	0.3	0
PWOPRMHS0001889	324.63	3.44	0	0.3	0
PWOPRMHS0001890	324.52	3.31	0	0.3	0
PWOPRMHS0001891	325.1	2.9	0	0.3	0
PWOPRMHS0001894	324.23	3	0	0.3	0
PWOPRMHS0001903	332.72	2.54	0	0.3	0
PWOPRMHS0001904	330.44	3.67	0	0.3	0

PWOPRMHS0001906	318.8	3.49	0	0.3	0
PWOPRMHS0001907	318.83	2.99	0	0.3	0
PWOPRMHS0001908	319.55	3.08	0	0.3	0
PWOPRMHS0001911	318.49	3.65	0	0.3	0
PWOPRMHS0001912	317.51	3.82	0	0.3	0
PWOPRMHS0001914	331.83	2.71	0	0.3	0
PWOPRMHS0001915	329.19	3.84	0	0.3	0
PWOPRMHS0001916	327.59	3.14	0	0.3	0
PWOPRMHS0001917	319.24	2.98	0	0.3	0
PWOPRMHS0001918	317.81	4.03	0	0.3	0
PWOPRMHS0001919	327.8	2.84	0	0.3	0
PWOPRMHS0001925	323.33	3.36	0	0.3	0
PWOPRMHS0001926	322.69	2.47	0	0.3	0
PWOPRMHS0001927	323.51	2.31	0	0.3	0
PWOPRMHS0001928	322.2	2.41	0	0.3	0
PWOPRMHS0001929	323.85	3.52	0	0.3	0
PWOPRMHS0001930	323.07	3.07	0	0.3	0
PWOPRMHS0001931	324.99	5.43	0	0.3	0
PWOPRMHS0001932	325.31	8.34	0	0.3	0
PWOPRMHS0001933	325.66	9.07	0	0.3	0
PWOPRMHS0001935	326.03	7.44	0	0.3	0
PWOPRMHS0001937	324.28	3.82	0	0.3	0
PWOPRMHS0001939	327.51	3.59	0	0.3	0
PWOPRMHS0001941	326.79	3.74	0	0	0
PWOPRMHS0001943	326.42	5.3	0	0.3	0
PWOPRMHS0001944	322.64	3	0	0.3	0
PWOPRMHS0001945	323.32	2.88	0	0.3	0
PWOPRMHS0001947	324.02	2.7	0	0.3	0
PWOPRMHS0002041	329.07	2.98	0	0.3	0
PWOPRMHS0002042	329.56	4.01	0	0.3	0
PWOPRMHS0002046	330.72	2.86	0	0.3	0
PWOPRMHS0002050	328.97	2.87	0	0.3	0
PWOPRMHS0002051	328.27	3.3	0	0.3	0
PWOPRMHS0002080	325.23	3.1	0	0.3	0
PWOPRMHS0002082	326.71	4.05	0	0.3	0
PWOPRMHS0002083	325.32	3.61	0	0.3	0
PWOPRMHS0002084	324.97	3.82	0	0.3	0
PWOPRMHS0002085	329.39	3.11	0	0.3	0
PWOPRMHS0002095	336.04	3.41	0	0.3	0
PWOPRMHS0003136	328.89	3.7	0	0.3	0
PWOPRMHS0003137	329.5	3.26	0	0.3	0

PWOPRMHS0003140	327.35	2.76	0	0.3	0
PWOPRMHS0003146	334.6	3.92	0	0.3	0
PWOPRMHS0003147	333.79	2.72	0	0.3	0
PWOPRMHS0003148	331.89	3.16	0	0.3	0
PWOPRMHS0003149	330.86	3.81	0	0.3	0
PWOPRMHS0003153	336.16	2.43	0	0.3	0
PWOPRMHS0003160	335.5	2.92	0	0.3	0
PWOPRMHS0004129	329.07	2	0	0.3	0
PWOPRMHS0004130	328.83	2.13	0	0.3	0
PWOPRMHS0004131	328.57	2	0	0.3	0
PWOPRMHS0004132	328.13	2.51	0	0.3	0
PWOPRMHS0004133	328.79	2	0	0.3	0
PWOPRMHS0004134	331.94	2	0	0.3	0
PWOPRMHS0004135	332.43	2.02	0	0.3	0
PWOPRMHS0004137	334.38	2.53	0	0.3	0
PWOPRMHS0004141	327.38	2.19	0	0.3	0
PWOPRMHS0004142	327.04	2.46	0	0.3	0
PWOPRMHS0004143	327.78	2	0	0.3	0
PWOPRMHS0004146	332.4	2	0	0.3	0
PWOPRMHS0004159	329.63	2	0	0.3	0
PWOPRMHS0004201	329.52	2	0	0.3	0
PWOPRMHS0004998	326.73	2	0	0.3	0
PWOPRMHS0004999	327.49	2	0	0.3	0
PWOPRMHS0005000	326.99	2.32	0	0.3	0
PWOPRMHS0005001	327.12	2.55	0	0.3	0
PWOPRMHS0005003	326.19	2	0	0.3	0
PWOPRMHS0005008	338.52	4.48	0	0.3	0
PWOPRMHS0005009	339.39	4.26	0	0.3	0
PWOPRMHS0005010	338.14	4.66	0	0.3	0
PWOPRMHS0005011	334.98	3.72	0	0.3	0
PWOPRMHS0005012	335.55	3.95	0	0.3	0
PWOPRMHS0005013	334.8	3.45	0	0.3	0
PWOPRMHS0005178	328.64	2	0	0.3	0
PWOPRMHS0005179	326.2	4.1	0	0.3	0
PWOPRMHS0005181	326.66	3.12	0	0.3	0
PWOPRMHS0005183	327.74	2.96	0	0.3	0
PWOPRMHS0005188	329.94	2.33	0	0.3	0
PWOPRMHS0005196	328.21	2.69	0	0.3	0
PWOPRMHS0005223	325.84	3.81	0	0.3	0
PWOPRMHS0005226	325.46	3.04	0	0.3	0
PWOPRMHS0005229	324.74	2.51	0	0.3	0

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PWOPRMHS0005230  324.55     2.65       0          0.3        0
PWOPRMHS0005231  325.24     2.4        0          0.3        0
PWOPRMHS0005906  319.63     2          0          0.3        0
PWOPRMHS0005908  318.92     2.18       0          0.3        0
PWOPRMHS0005909  318.44     2.56       0          0.3        0
PWOPRMHS0005910  318.95     2.55       0          0.3        0
PWOPRMHS0005911  319.29     2.46       0          0.3        0
PWOPRMHS0005924  318.6      2.4        0          0.3        0
PWOPRMHS0005926  318.05     2.75       0          0.3        0
PWOPRMHS0005927  317.76     2.44       0          0.3        0
PWOPRMHS0005930  317.25     2.3        0          0.3        0
PWOPRMHS0005931  317.7      2          0          0.3        0
PWOPRMHS0005932  317.88     2          0          0.3        0
PWOPRMHS0005944  318.32     2.18       0          0.3        0
PWOPRMHS0005945  318.22     2          0          0.3        0
PWOPRMHS0005946  318.5      2          0          0.3        0
SWMPOND          322        3          0          0.3        0

[OUTFALLS]
;;               Invert     Outfall    Stage/Table      Tide
;;Name           Elev.      Type       Time Series      Gate     Route To
;;-------------- ---------- ---------- ---------------- -------- ----------------
A1_OVERFLOW      317        FREE                        NO       A1
A2_OVERFLOW      329        FREE                        NO       A2
A3_OVERFLOW      326        FREE                        NO       A3
A4_OVERFLOW      317        FREE                        NO       A4
B1_OVERFLOW      324        FREE                        NO       B1
B2_OVERFLOW      322        FREE                        NO       B2
C1_OVERFLOW      319        FREE                        NO       C1
D1_OVERFLOW      324.5      FREE                        NO       D1
D2_OVERFLOW      321        FREE                        NO       D3
D3_OVERFLOW      321.5      FREE                        NO       D3
D4_OVERFLOW      318        FREE                        NO       D4
E1_OVERFLOW      314        FREE                        NO       E1
E2_OVERFLOW      313.9      FREE                        NO       E2
HanlonCreek      300        FREE                        NO

[STORAGE]
;;               Invert   Max.       Init.      Storage    Curve                                  Evap.
;;Name           Elev.    Depth      Depth      Curve      Params                                 Frac.
Infiltration parameters
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;;-------------- -------- ---------- ---------- ---------- --------- --------- -------- -------- -------- ---------
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S_A1             331      3          0          TABULAR    WetlandA1                  0        0
S_A2             330      3          0          TABULAR    WetlandA2                  0        0
S_A3             326      5.5        0          TABULAR    WetlandA3                  0        0
S_A4             318      5.5        0          TABULAR    WetlandA4                  0        0
S_B1             324      3          0          TABULAR    WetlandB1                  0        0
S_B2             322      3          0          TABULAR    WetlandB2                  0        0
S_C1             319      3          0          TABULAR    WetlandC1                  0        0
S_D1             324.5    3          0          TABULAR    WetlandD1                  0        0
S_D2             321      3          0          TABULAR    WetlandD2                  0        0
S_D3             321.5    3          0          TABULAR    WetlandD3                  0        0
S_D4             318      3          0          TABULAR    WetlandD4                  0        0
S_E1             314      3          0          TABULAR    WetlandE1                  0        0
S_E2             313.9    3          0          TABULAR    WetlandE2                  0        0

[CONDUITS]
;;               Inlet            Outlet                      Manning    Inlet      Outlet     Init.      Max.
;;Name           Node             Node             Length     N          Offset     Offset     Flow       Flow
;;-------------- ---------------- ---------------- ---------- ---------- ---------- ---------- ---------- ---------
-
1                1                14               360.305    0.013      0          0          0          0
10               24               9                457.949    0.013      0          0          0          0
11               18               42               301.149    0.013      0          0          0          0
12               S_B2             22               131.83     0.013      0          0          0          0
13               19               S_B1             124.967    0.013      0          0          0          0
14               19               18               146.578    0.013      0          0          0          0
15               22               25               93.126     0.013      0          0          0          0
16               2                8                631.141    0.013      324        320.964    0          0
17               25               24               181.69     0.013      0          0          0          0
18               9                7                420.604    0.013      0          0          0          0
19               11               12               195.669    0.013      0          0          0          0
2                S_A1             3                43.668     0.013      0          0          0          0
20               12               13               179.641    0.013      0          0          0          0
21               13               53               212.047    0.013      0          0          0          0
22               S_E1             15               69.292     0.013      0          0          0          0
23               15               54               67.515     0.013      0          0          0          0
24               S_E2             17               107.785    0.013      0          0          0          0
25               26               27               458.274    0.013      0          0          0          0
26               39               21               482.961    0.013      0          0          0          0
27               27               48               289.263    0.013      0          0          0          0
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28	S_D1	29	122.671	0.013	0	0	0	0
29	30	31	89.546	0.013	0	0	0	0
3	3	20	432.496	0.013	0	0	0	0
30	31	32	191.886	0.013	0	0	0	0
31	32	50	225.886	0.013	0	0	0	0
32	S_D4	34	122.316	0.013	0	0	0	0
33	34	35	72.595	0.013	0	0	0	0
34	35	36	438.635	0.013	0	0	0	0
35	36	13	141.013	0.013	0	0	0	0
36	14	S_A1	34.424	0.013	0	331	0	0
37	S_D3	39	91.663	0.013	0	0	0	0
38	29	21	402.301	0.013	0	0	0	0
39	21	S_D2	78.042	0.013	0	0	0	0
4	S_A2	5	94.929	0.013	0	0	0	0
40	S_D2	30	55.409	0.013	0	0	0	0
41	17	56	1006.975	0.013	0	0	0	0
43	4	37	223.1	0.013	325	324.1	0	0
44	7	S_A4	45.027	0.013	0	317	0	0
45	7	A4_OVERFLOW	60.823	0.013	318.7	0	0	0
46	14	A1_OVERFLOW	16.01	0.013	331.7	0	0	0
47	S_A4	11	355.016	0.013	317	316.607	0	0
48	20	S_A2	28.029	0.013	330.1	330	0	0
49	20	A2_OVERFLOW	32.856	0.013	330.7	330	0	0
5	5	6	219.322	0.013	0	0	0	0
50	28	S_A3	102.047	0.013	326.1	326	0	0
51	28	A3_OVERFLOW	83.104	0.013	326.7	0	0	0
52	37	S_B1	30.885	0.013	324.1	324	0	0
53	37	B1_OVERFLOW	20.838	0.013	324.7	324	0	0
54	40	S_C1	40.45	0.013	319.1	319	0	0
55	40	C1_OVERFLOW	45.312	0.013	319.7	319	0	0
56	42	B2_OVERFLOW	25.741	0.013	322.7	322	0	0
57	42	S_B2	24.015	0.013	322.1	322	0	0
58	49	S_D3	59.379	0.013	321.6	321.5	0	0
59	49	D3_OVERFLOW	57.755	0.013	322.2	321.5	0	0
6	6	28	710.032	0.013	0	0	0	0
60	48	S_D1	64.088	0.013	324.6	324.5	0	0
61	48	D1_OVERFLOW	92.338	0.013	325.2	324.5	0	0
62	21	D2_OVERFLOW	83.528	0.013	321.7	321	0	0
63	50	S_D4	36.294	0.013	318.1	318	0	0
64	50	D4_OVERFLOW	20.059	0.013	318.7	318	0	0
65	54	S_E2	8.253	0.013	313.925	313.9	0	0

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66                54                E2_OVERFLOW       17.303     0.013      314.525    313.9      0          0
67                53                E1_OVERFLOW       16.462     0.013      314.7      314        0          0
68                53                S_E1              9.722      0.013      314.1      314        0          0
7                 S_A3              8                 610.067    0.013      0          0          0          0
70                56                HanlonCreek       345.809    0.013      301.1      301        0          0
8                 8                 9                 403.532    0.013      0          0          0          0
9                 S_C1              7                 306.084    0.013      0          0          0          0
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PWOPRSES0001576  MHEasement2      PWOPRMHS0001386  27.2       0.013      318.7      318.61     0          0
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PWOPRSES0001712  PWOPRMHS0001678  PWOPRMHS0001677  8.3        0.013      327.01     326.78     0          0
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PWOPRSES0001725  PWOPRMHS0001687  PWOPRMHS0001688  41         0.013      326.4      326.2      0          0
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PWOPRSES0001730  PWOPRMHS0001674  PWOPRMHS0001713  86.1       0.013      325.88     325.51     0          0
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PWOPRSES0001748  PWOPRMHS0001682  PWOPRMHS0001689  94         0.013      328.1      326.73     0          0
PWOPRSES0001750  PWOPRMHS0001690  PWOPRMHS0001689  16.1       0.013      326.74     326.63     0          0
PWOPRSES0001753  PWOPRMHS0001691  PWOPRMHS0001690  42.5       0.01       326.982    326.74     0          0
PWOPRSES0001754  PWOPRMHS0001741  PWOPRMHS0002051  84.5       0.013      329.48     328.91     0          0
PWOPRSES0001755  PWOPRMHS0001745  PWOPRMHS0001746  32.1       0.013      328.06     327.95     0          0
PWOPRSES0001756  PWOPRMHS0001744  PWOPRMHS0001692  13.5       0.013      327.73     327.68     0          0
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PWOPRSES0001760  PWOPRMHS0001743  PWOPRMHS0001691  18.8       0.013      327.29     327.19     0          0
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PWOPRSES0001765A PWOPRMHS0001740  MHSchool         46.6       0.013      328.72     328.55     0          0
PWOPRSES0001765B MHSchool         PWOPRMHS0002051  24.3       0.013      328.55     328.46     0          0
PWOPRSES0001766  PWOPRMHS0002041  MHSchool         16.96      0.013      329.07     328.87     0          0
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PWOPRSES0001963  PWOPRMHS0001927  PWOPRMHS0001928  55.93      0.013      323.51     322.51     0          0
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PWOPRSES0001968  PWOPRMHS0001939  PWOPRMHS0001927  46.02      0.013      327.51     323.61     0          0
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PWOPRSES0002120  PWOPRMHS0001732  PWOPRMHS0001739  9.7        0.013      328.98     328.92     0          0
PWOPRSES0002121  PWOPRMHS0001729  PWOPRMHS0001732  18.6       0.013      329.08     329.04     0          0
PWOPRSES0002122  PWOPRMHS0001739  PWOPRMHS0001740  15.5       0.013      328.89     328.77     0          0
PWOPRSES0003435  PWOPRMHS0003137  PWOPRMHS0003136  23.4       0.013      329.5      328.99     0          0
PWOPRSES0003436  PWOPRMHS0003136  PWOPRMHS0001686  50.2       0.013      328.89     328.62     0          0
PWOPRSES0003439  PWOPRMHS0003140  PWOPRMHS0001678  48.8       0.013      327.35     327.07     0          0
PWOPRSES0003446  PWOPRMHS0003146  PWOPRMHS0003147  50.75      0.013      334.6      334.5      0          0
PWOPRSES0003447  PWOPRMHS0003147  PWOPRMHS0003148  22         0.013      333.79     332.64     0          0
PWOPRSES0003448  PWOPRMHS0003148  PWOPRMHS0003149  9.25       0.013      331.89     331.68     0          0
PWOPRSES0003449  PWOPRMHS0003149  PWOPRMHS0003137  58.3       0.013      330.86     329.6      0          0
PWOPRSES0003457  PWOPRMHS0003153  PWOPRMHS0001679  35.97      0.013      336.16     335.89     0          0
PWOPRSES0003465  PWOPRMHS0003160  PWOPRMHS0003146  19.51      0.013      335.5      335.01     0          0
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;NA
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;NA
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;NA
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;NA
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;NA
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;NA
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PWOPRSES0005710  PWOPRMHS0001713  37               161.268    0.01       325.51     324.1      0          0
;NA
PWOPRSES0005734  PWOPRMHS0005178  PWOPRMHS0004142  92.8       0.013      328.64     327.07     0          0
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PWOPRSES0005735  PWOPRMHS0005181  PWOPRMHS0005179  96         0.013      326.66     326.24     0          0
;NA
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PWOPRSES0005736  PWOPRMHS0005183  PWOPRMHS0005181  91         0.013      327.74     326.79     0          0
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PWOPRSES0005739  PWOPRMHS0005188  PWOPRMHS0005183  99         0.01       329.94     327.74     0          0
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;NA
PWOPRSES0005771  PWOPRMHS0005229  PWOPRMHS0005230  8.6        0.01       324.74     324.59     0          0
;NA
PWOPRSES0006537  PWOPRMHS0005944  PWOPRMHS0005945  34.65      0.013      318.32     318.22     0          0
;NA
PWOPRSES0006538  PWOPRMHS0005906  PWOPRMHS0001388  81.91      0.013      319.63     319.19     0          0
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;NA
STMEasement      MHEasement1      MHEasement2      72.3       0.013      319.07     318.7      0          0
SWMPOND_OUT      SWMPOND          24               215.307    0.013      322        320.5      0          0

[XSECTIONS]
;;Link           Shape        Geom1            Geom2      Geom3      Geom4      Barrels
;;-------------- ------------ ---------------- ---------- ---------- ---------- ----------
1                TRAPEZOIDAL  3                2          1          1          1
10               TRAPEZOIDAL  3                2          1          1          1
11               TRAPEZOIDAL  3                2          1          1          1
12               RECT_CLOSED  2                2          0          0          1
13               TRAPEZOIDAL  3                2          1          1          1
14               TRAPEZOIDAL  3                2          1          1          1
15               TRAPEZOIDAL  3                2          1          1          1
16               TRAPEZOIDAL  3                2          1          1          1
17               TRAPEZOIDAL  3                2          1          1          1
18               TRAPEZOIDAL  3                2          1          1          1
19               TRAPEZOIDAL  3                2          1          1          1
2                TRAPEZOIDAL  3                2          1          1          1
20               TRAPEZOIDAL  3                2          1          1          1
21               TRAPEZOIDAL  3                3          1          1          1
22               TRAPEZOIDAL  3                2          1          1          1
23               TRAPEZOIDAL  3                2          1          1          1
24               TRAPEZOIDAL  3                2          1          1          1
25               TRAPEZOIDAL  3                2          1          1          1
26               TRAPEZOIDAL  3                2          1          1          1
27               TRAPEZOIDAL  3                2          1          1          1
28               TRAPEZOIDAL  3                2          1          1          1
29               TRAPEZOIDAL  3                2          1          1          1
3                TRAPEZOIDAL  3                2          1          1          1
30               TRAPEZOIDAL  3                2          1          1          1
31               TRAPEZOIDAL  3                2          1          1          1
32               TRAPEZOIDAL  3                2          1          1          1
33               TRAPEZOIDAL  3                2          1          1          1
34               TRAPEZOIDAL  3                2          1          1          1
35               TRAPEZOIDAL  3                2          1          1          1
36               TRAPEZOIDAL  3                2          1          1          1
```

37	TRAPEZOIDAL	3	2	1	1	1
38	TRAPEZOIDAL	3	2	1	1	1
39	TRAPEZOIDAL	3	2	1	1	1
4	TRAPEZOIDAL	3	2	1	1	1
40	TRAPEZOIDAL	3	2	1	1	1
41	TRAPEZOIDAL	3	2	1	1	1
43	TRAPEZOIDAL	3	2	1	1	1
44	TRAPEZOIDAL	3	2	1	1	1
45	RECT_OPEN	2	15	1	0	1
46	RECT_OPEN	2	15	1	0	1
47	TRAPEZOIDAL	3	2	1	1	1
48	TRAPEZOIDAL	3	2	1	1	1
49	RECT_OPEN	2	15	1	0	1
5	TRAPEZOIDAL	3	2	1	1	1
50	TRAPEZOIDAL	3	2	1	1	1
51	RECT_OPEN	2	15	1	0	1
52	TRAPEZOIDAL	3	2	1	1	1
53	RECT_OPEN	2	15	1	0	1
54	TRAPEZOIDAL	3	2	1	1	1
55	RECT_OPEN	2	15	1	0	1
56	RECT_OPEN	2	15	1	0	1
57	TRAPEZOIDAL	3	2	1	1	1
58	TRAPEZOIDAL	3	2	1	1	1
59	RECT_OPEN	2	15	1	0	1
6	TRAPEZOIDAL	3	2	1	1	1
60	TRAPEZOIDAL	3	2	1	1	1
61	RECT_OPEN	2	15	1	0	1
62	RECT_OPEN	2	15	1	0	1
63	TRAPEZOIDAL	3	2	1	1	1
64	RECT_OPEN	2	15	1	0	1
65	TRAPEZOIDAL	3	2	1	1	1
66	RECT_OPEN	2	15	1	0	1
67	RECT_OPEN	2	15	1	0	1
68	TRAPEZOIDAL	3	2	1	1	1
7	TRAPEZOIDAL	3	2	1	1	1
70	TRAPEZOIDAL	3	2	1	1	1
8	TRAPEZOIDAL	4	2	1	1	1
9	TRAPEZOIDAL	3	2	1	1	1
PWOPRSES0001498	CIRCULAR	2	0	0	0	1
PWOPRSES0001507	CIRCULAR	2	0	0	0	1
PWOPRSES0001510	CIRCULAR	2	0	0	0	1

PWOPRSES0001511	CIRCULAR	2	0	0	0	1
PWOPRSES0001512	CIRCULAR	2	0	0	0	1
PWOPRSES0001515	CIRCULAR	2	0	0	0	1
PWOPRSES0001516	CIRCULAR	2	0	0	0	1
PWOPRSES0001518	CIRCULAR	2	0	0	0	1
PWOPRSES0001519	HORIZ_ELLIPSE	2	1.15	0	0	1
PWOPRSES0001520	CIRCULAR	2	0	0	0	1
PWOPRSES0001521	CIRCULAR	2	0	0	0	1
PWOPRSES0001522	CIRCULAR	2	0	0	0	1
PWOPRSES0001524	CIRCULAR	2	0	0	0	1
PWOPRSES0001525	CIRCULAR	2	0	0	0	1
PWOPRSES0001530	HORIZ_ELLIPSE	2	1.15	0	0	1
PWOPRSES0001534	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001535	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001536	HORIZ_ELLIPSE	2	1.345	0	0	1
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PWOPRSES0001538	CIRCULAR	2	0	0	0	1
PWOPRSES0001541	CIRCULAR	2	0	0	0	1
PWOPRSES0001542	CIRCULAR	2	0	0	0	1
PWOPRSES0001543	CIRCULAR	3	0	0	0	1
PWOPRSES0001544	CIRCULAR	3	0	0	0	1
PWOPRSES0001545	CIRCULAR	2	0	0	0	1
PWOPRSES0001546	CIRCULAR	2	0	0	0	1
PWOPRSES0001547	CIRCULAR	2	0	0	0	1
PWOPRSES0001548	CIRCULAR	2	0	0	0	1
PWOPRSES0001551	CIRCULAR	2	0	0	0	1
PWOPRSES0001555	CIRCULAR	2	0	0	0	1
PWOPRSES0001556	CIRCULAR	2	0	0	0	1
PWOPRSES0001557	CIRCULAR	2.5	0	0	0	1
PWOPRSES0001558	CIRCULAR	2.5	0	0	0	1
PWOPRSES0001559	CIRCULAR	2	0	0	0	1
PWOPRSES0001564	CIRCULAR	2	0	0	0	1
PWOPRSES0001565	CIRCULAR	2.5	0	0	0	1
PWOPRSES0001566	CIRCULAR	2.5	0	0	0	1
PWOPRSES0001567	CIRCULAR	2.5	0	0	0	1
PWOPRSES0001571	CIRCULAR	2	0	0	0	1
PWOPRSES0001572	CIRCULAR	2	0	0	0	1
PWOPRSES0001575	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001576	CIRCULAR	2	0	0	0	1
PWOPRSES0001577	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001579	CIRCULAR	2	0	0	0	1

PWOPRSES0001580	CIRCULAR	2	0	0	0	1
PWOPRSES0001581	CIRCULAR	2	0	0	0	1
PWOPRSES0001582	CIRCULAR	2	0	0	0	1
PWOPRSES0001583	CIRCULAR	2	0	0	0	1
PWOPRSES0001584	CIRCULAR	2	0	0	0	1
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PWOPRSES0001633	CIRCULAR	2	0	0	0	1
PWOPRSES0001634	CIRCULAR	2	0	0	0	1
PWOPRSES0001654	CIRCULAR	2	0	0	0	1
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PWOPRSES0001699	CIRCULAR	2	0	0	0	1
PWOPRSES0001711	CIRCULAR	2	0	0	0	1
PWOPRSES0001712	CIRCULAR	2	0	0	0	1
PWOPRSES0001713	CIRCULAR	2	0	0	0	1
PWOPRSES0001718	CIRCULAR	2	0	0	0	1
PWOPRSES0001720	CIRCULAR	2	0	0	0	1
PWOPRSES0001721	CIRCULAR	2	0	0	0	1
PWOPRSES0001724	HORIZ_ELLIPSE	2	1.73	0	0	1
PWOPRSES0001725	HORIZ_ELLIPSE	2	1.73	0	0	1
PWOPRSES0001728	HORIZ_ELLIPSE	2	1.73	0	0	1
PWOPRSES0001730	HORIZ_ELLIPSE	2	1.92	0	0	1
PWOPRSES0001732	CIRCULAR	2	0	0	0	1
PWOPRSES0001733	CIRCULAR	2	0	0	0	1
PWOPRSES0001744	CIRCULAR	2	0	0	0	1
PWOPRSES0001745	CIRCULAR	2	0	0	0	1

PWOPRSES0001747	CIRCULAR	2	0	0	0	1
PWOPRSES0001748	CIRCULAR	2	0	0	0	1
PWOPRSES0001750	CIRCULAR	2	0	0	0	1
PWOPRSES0001753	CIRCULAR	2	0	0	0	1
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PWOPRSES0001765B	CIRCULAR	2	0	0	0	1
PWOPRSES0001766	CIRCULAR	2	0	0	0	1
PWOPRSES0001768	CIRCULAR	2	0	0	0	1
PWOPRSES0001770	CIRCULAR	2	0	0	0	1
PWOPRSES0001771	CIRCULAR	2	0	0	0	1
PWOPRSES0001774	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001775	HORIZ_ELLIPSE	3	1.345	0	0	1
PWOPRSES0001776	CIRCULAR	2	0	0	0	1
PWOPRSES0001777	CIRCULAR	2	0	0	0	1
PWOPRSES0001778	CIRCULAR	2	0	0	0	1
PWOPRSES0001779	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001780	CIRCULAR	2	0	0	0	1
PWOPRSES0001781	CIRCULAR	2	0	0	0	1
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PWOPRSES0001790	CIRCULAR	2	0	0	0	1
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PWOPRSES0001797	CIRCULAR	2	0	0	0	1
PWOPRSES0001798	CIRCULAR	3	0	0	0	1
PWOPRSES0001803	CIRCULAR	2	0	0	0	1
PWOPRSES0001806	CIRCULAR	2	0	0	0	1
PWOPRSES0001807	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001808	CIRCULAR	2	0	0	0	1
PWOPRSES0001809	CIRCULAR	2	0	0	0	1
PWOPRSES0001810	CIRCULAR	2	0	0	0	1

PWOPRSES0001812	CIRCULAR	2	0	0	0	1
PWOPRSES0001819	CIRCULAR	2	0	0	0	1
PWOPRSES0001821	CIRCULAR	2	0	0	0	1
PWOPRSES0001822	CIRCULAR	2	0	0	0	1
PWOPRSES0001823	CIRCULAR	2	0	0	0	1
PWOPRSES0001824	CIRCULAR	2	0	0	0	1
PWOPRSES0001825	CIRCULAR	2	0	0	0	1
PWOPRSES0001826	CIRCULAR	2	0	0	0	1
PWOPRSES0001827	CIRCULAR	2	0	0	0	1
PWOPRSES0001828	CIRCULAR	2	0	0	0	1
PWOPRSES0001829	HORIZ_ELLIPSE	3	1.52	0	0	1
PWOPRSES0001840	CIRCULAR	2	0	0	0	1
PWOPRSES0001841	CIRCULAR	2	0	0	0	1
PWOPRSES0001842	CIRCULAR	2	0	0	0	1
PWOPRSES0001844	CIRCULAR	2	0	0	0	1
PWOPRSES0001845	CIRCULAR	2	0	0	0	1
PWOPRSES0001855	CIRCULAR	2	0	0	0	1
PWOPRSES0001856	CIRCULAR	2	0	0	0	1
PWOPRSES0001861	CIRCULAR	2	0	0	0	1
PWOPRSES0001862	CIRCULAR	2	0	0	0	1
PWOPRSES0001865	CIRCULAR	2	0	0	0	1
PWOPRSES0001866	CIRCULAR	2	0	0	0	1
PWOPRSES0001868	CIRCULAR	2	0	0	0	1
PWOPRSES0001890	CIRCULAR	2	0	0	0	1
PWOPRSES0001891	CIRCULAR	2	0	0	0	1
PWOPRSES0001892	CIRCULAR	2	0	0	0	1
PWOPRSES0001895	CIRCULAR	2	0	0	0	1
PWOPRSES0001896	CIRCULAR	2	0	0	0	1
PWOPRSES0001897	CIRCULAR	2	0	0	0	1
PWOPRSES0001899	CIRCULAR	2	0	0	0	1
PWOPRSES0001900	CIRCULAR	2	0	0	0	1
PWOPRSES0001904	CIRCULAR	2	0	0	0	1
PWOPRSES0001905	CIRCULAR	2	0	0	0	1
PWOPRSES0001906	CIRCULAR	2	0	0	0	1
PWOPRSES0001919	CIRCULAR	2	0	0	0	1
PWOPRSES0001930	CIRCULAR	2	0	0	0	1
PWOPRSES0001931	CIRCULAR	2	0	0	0	1
PWOPRSES0001932	CIRCULAR	2	0	0	0	1
PWOPRSES0001941	CIRCULAR	2	0	0	0	1
PWOPRSES0001942	CIRCULAR	2	0	0	0	1
PWOPRSES0001943	CIRCULAR	2	0	0	0	1

PWOPRSES0001944	CIRCULAR	2	0	0	0	1
PWOPRSES0001951	CIRCULAR	2	0	0	0	1
PWOPRSES0001952	CIRCULAR	2	0	0	0	1
PWOPRSES0001960	CIRCULAR	2	0	0	0	1
PWOPRSES0001961	CIRCULAR	2	0	0	0	1
PWOPRSES0001962	CIRCULAR	2	0	0	0	1
PWOPRSES0001963	CIRCULAR	2	0	0	0	1
PWOPRSES0001968	CIRCULAR	2	0	0	0	1
PWOPRSES0001972	CIRCULAR	2	0	0	0	1
PWOPRSES0001976	CIRCULAR	2.5	0	0	0	1
PWOPRSES0001977	CIRCULAR	2	0	0	0	1
PWOPRSES0001978	CIRCULAR	3	0	0	0	1
PWOPRSES0001979	CIRCULAR	2	0	0	0	1
PWOPRSES0001984	CIRCULAR	2.5	0	0	0	1
PWOPRSES0002119	CIRCULAR	2	0	0	0	1
PWOPRSES0002120	CIRCULAR	2	0	0	0	1
PWOPRSES0002121	CIRCULAR	2	0	0	0	1
PWOPRSES0002122	CIRCULAR	2	0	0	0	1
PWOPRSES0003435	CIRCULAR	2	0	0	0	1
PWOPRSES0003436	CIRCULAR	2	0	0	0	1
PWOPRSES0003439	CIRCULAR	2	0	0	0	1
PWOPRSES0003446	CIRCULAR	2	0	0	0	1
PWOPRSES0003447	CIRCULAR	2	0	0	0	1
PWOPRSES0003448	CIRCULAR	2	0	0	0	1
PWOPRSES0003449	CIRCULAR	2	0	0	0	1
PWOPRSES0003457	CIRCULAR	2	0	0	0	1
PWOPRSES0003465	CIRCULAR	2	0	0	0	1
PWOPRSES0003466	CIRCULAR	2	0	0	0	1
PWOPRSES0004584	CIRCULAR	2	0	0	0	1
PWOPRSES0004585	CIRCULAR	2	0	0	0	1
PWOPRSES0004586	CIRCULAR	2	0	0	0	1
PWOPRSES0004587	CIRCULAR	2	0	0	0	1
PWOPRSES0004588	CIRCULAR	2	0	0	0	1
PWOPRSES0004589	CIRCULAR	2	0	0	0	1
PWOPRSES0004590	CIRCULAR	2	0	0	0	1
PWOPRSES0004591	HORIZ_ELLIPSE	2	1.535	0	0	1
PWOPRSES0004592	HORIZ_ELLIPSE	2	1.535	0	0	1
PWOPRSES0004593	CIRCULAR	2	0	0	0	1
PWOPRSES0004594	HORIZ_ELLIPSE	2	1.535	0	0	1
PWOPRSES0004597	CIRCULAR	2	0	0	0	1
PWOPRSES0004603	CIRCULAR	2	0	0	0	1

PWOPRSES0004637	CIRCULAR	2	0	0	0	1
PWOPRSES0005529	CIRCULAR	2	0	0	0	1
PWOPRSES0005530	CIRCULAR	2	0	0	0	1
PWOPRSES0005531	CIRCULAR	2	0	0	0	1
PWOPRSES0005532	CIRCULAR	2	0	0	0	1
PWOPRSES0005534	CIRCULAR	2	0	0	0	1
PWOPRSES0005535	CIRCULAR	2	0	0	0	1
PWOPRSES0005536	CIRCULAR	2	0	0	0	1
PWOPRSES0005537	CIRCULAR	2	0	0	0	1
PWOPRSES0005539	CIRCULAR	2	0	0	0	1
PWOPRSES0005540	CIRCULAR	2	0	0	0	1
PWOPRSES0005541	CIRCULAR	2	0	0	0	1
PWOPRSES0005710	HORIZ_ELLIPSE	3	1.92	0	0	1
PWOPRSES0005734	CIRCULAR	2	0	0	0	1
PWOPRSES0005735	CIRCULAR	2	0	0	0	1
PWOPRSES0005736	CIRCULAR	2	0	0	0	1
PWOPRSES0005739	CIRCULAR	2	0	0	0	1
PWOPRSES0005744	CIRCULAR	2	0	0	0	1
PWOPRSES0005766	CIRCULAR	2	0	0	0	1
PWOPRSES0005767	CIRCULAR	2	0	0	0	1
PWOPRSES0005768	CIRCULAR	2	0	0	0	1
PWOPRSES0005769	CIRCULAR	3	0	0	0	1
PWOPRSES0005770	CIRCULAR	2	0	0	0	1
PWOPRSES0005771	CIRCULAR	2	0	0	0	1
PWOPRSES0006537	CIRCULAR	2	0	0	0	1
PWOPRSES0006538	CIRCULAR	2	0	0	0	1
PWOPRSES0006542	CIRCULAR	2	0	0	0	1
PWOPRSES0006547	CIRCULAR	2	0	0	0	1
PWOPRSES0006548	CIRCULAR	2	0	0	0	1
PWOPRSES0006549	CIRCULAR	2	0	0	0	1
PWOPRSES0006550	CIRCULAR	2	0	0	0	1
PWOPRSES0006551	CIRCULAR	2	0	0	0	1
PWOPRSES0006552	CIRCULAR	2	0	0	0	1
PWOPRSES0006553	CIRCULAR	3	0	0	0	1
PWOPRSES0006554	CIRCULAR	2	0	0	0	1
PWOPRSES0006555	CIRCULAR	2	0	0	0	1
PWOPRSES0006576	CIRCULAR	2	0	0	0	1
PWOPRSES0006577	CIRCULAR	2	0	0	0	1
STMEasement	CIRCULAR	2	0	0	0	1
SWMPOND_OUT	CIRCULAR	3	0	0	0	1

```
[TRANSECTS]
;;Transect Data in HEC-2 format
;
;Full street, width = 8m, curb = 0.15m , cross-slope = 0.02m/m, bank-slope = 0.02m/m, bank-height = 0.3m.
NC 0.03     0.03     0.013
X1 2LaneRd           7        7.5      15.5     0.0      0.0      0.0      0.0      0.0
GR 0.3      0        0.15     7.5      0        7.5      0.08     11.5     0        15.5
GR 0.15     15.5     0.3      23
;
;Full street, width = 16m, curb = 0.15m , cross-slope = 0.02m/m, bank-slope = 0.02m/m, bank-height = 0.30m.
NC 0.03     0.03     0.013
X1 4LaneRd           7        7.5      23.5     0.0      0.0      0.0      0.0      0.0
GR 0.3      0        0.15     7.5      0        7.5      0.16     15.5     0        23.5
GR 0.15     23.5     0.3      31

[LOSSES]
;;Link           Inlet      Outlet     Average    Flap Gate  SeepageRate
;;-------------- ---------- ---------- ---------- ---------- ----------
PWOPRSES0001498  0          0.15       0          NO         0
PWOPRSES0001507  0          0.15       0          NO         0
PWOPRSES0001510  0          1          0          NO         0
PWOPRSES0001511  0          0.15       0          NO         0
PWOPRSES0001512  0          0.15       0          NO         0
PWOPRSES0001515  0          0.15       0          NO         0
PWOPRSES0001516  0          0.15       0          NO         0
PWOPRSES0001518  0          0.15       0          NO         0
PWOPRSES0001519  0          0.15       0          NO         0
PWOPRSES0001520  0          1          0          NO         0
PWOPRSES0001521  0          0.15       0          NO         0
PWOPRSES0001522  0          0.15       0          NO         0
PWOPRSES0001524  0          1          0          NO         0
PWOPRSES0001525  0          0.15       0          NO         0
PWOPRSES0001530  0          0.15       0          NO         0
PWOPRSES0001534  0          0.15       0          NO         0
PWOPRSES0001535  0          0.15       0          NO         0
PWOPRSES0001536  0          0.15       0          NO         0
PWOPRSES0001537  0          0.15       0          NO         0
PWOPRSES0001538  0          1          0          NO         0
PWOPRSES0001541  0          0.15       0          NO         0
PWOPRSES0001542  0          1          0          NO         0
PWOPRSES0001543  0          0.15       0          NO         0
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PWOPRSES0001544	0	0.15	0	NO	0
PWOPRSES0001545	0	0.15	0	NO	0
PWOPRSES0001546	0	0.75	0	NO	0
PWOPRSES0001547	0	0.75	0	NO	0
PWOPRSES0001548	0	0.15	0	NO	0
PWOPRSES0001551	0	0.75	0	NO	0
PWOPRSES0001555	0	0.15	0	NO	0
PWOPRSES0001556	0	0.75	0	NO	0
PWOPRSES0001557	0	1	0	NO	0
PWOPRSES0001558	0	0.75	0	NO	0
PWOPRSES0001559	0	0.15	0	NO	0
PWOPRSES0001564	0	1	0	NO	0
PWOPRSES0001565	0	0.75	0	NO	0
PWOPRSES0001566	0	0.75	0	NO	0
PWOPRSES0001572	0	0.75	0	NO	0
PWOPRSES0001575	0	0.15	0	NO	0
PWOPRSES0001576	0	0.15	0	NO	0
PWOPRSES0001577	0	1	0	NO	0
PWOPRSES0001579	0	0.15	0	NO	0
PWOPRSES0001580	0	0.15	0	NO	0
PWOPRSES0001581	0	0.15	0	NO	0
PWOPRSES0001582	0	0.15	0	NO	0
PWOPRSES0001583	0	0.15	0	NO	0
PWOPRSES0001584	0	1	0	NO	0
PWOPRSES0001585	0	1	0	NO	0
PWOPRSES0001586	0	1	0	NO	0
PWOPRSES0001587	0	0.15	0	NO	0
PWOPRSES0001633	0	1	0	NO	0
PWOPRSES0001634	0	1	0	NO	0
PWOPRSES0001654	0	0.75	0	NO	0
PWOPRSES0001655	0	1	0	NO	0
PWOPRSES0001656	0	0.15	0	NO	0
PWOPRSES0001658	0	0.85	0	NO	0
PWOPRSES0001660	0	1	0	NO	0
PWOPRSES0001662	0	0.75	0	NO	0
PWOPRSES0001679	0	1	0	NO	0
PWOPRSES0001680	0	1	0	NO	0
PWOPRSES0001681	0	0.15	0	NO	0
PWOPRSES0001682	0	0.15	0	NO	0
PWOPRSES0001684	0	1	0	NO	0
PWOPRSES0001687	0	0.85	0	NO	0

PWOPRSES0001688	0	0.75	0	NO	0
PWOPRSES0001698	0	0.75	0	NO	0
PWOPRSES0001699	0	0.75	0	NO	0
PWOPRSES0001711	0	0.15	0	NO	0
PWOPRSES0001712	0	0.75	0	NO	0
PWOPRSES0001713	0	0.75	0	NO	0
PWOPRSES0001724	0	0.85	0	NO	0
PWOPRSES0001725	0	0.75	0	NO	0
PWOPRSES0001728	0	0.75	0	NO	0
PWOPRSES0001730	0	0.15	0	NO	0
PWOPRSES0001732	0	0.75	0	NO	0
PWOPRSES0001733	0	0.75	0	NO	0
PWOPRSES0001744	0	0.75	0	NO	0
PWOPRSES0001745	0	0.75	0	NO	0
PWOPRSES0001747	0	0.15	0	NO	0
PWOPRSES0001748	0	0.15	0	NO	0
PWOPRSES0001750	0	0.75	0	NO	0
PWOPRSES0001753	0	0.75	0	NO	0
PWOPRSES0001754	0	1	0	NO	0
PWOPRSES0001755	0	0.45	0	NO	0
PWOPRSES0001756	0	0.75	0	NO	0
PWOPRSES0001757	0	0.45	0	NO	0
PWOPRSES0001758	0	0.15	0	NO	0
PWOPRSES0001759	0	0.75	0	NO	0
PWOPRSES0001760	0	0.75	0	NO	0
PWOPRSES0001761	0	0.75	0	NO	0
PWOPRSES0001765A	0	0.15	0	NO	0
PWOPRSES0001765B	0	0.15	0	NO	0
PWOPRSES0001768	0	0.75	0	NO	0
PWOPRSES0001770	0	0.75	0	NO	0
PWOPRSES0001771	0	0.75	0	NO	0
PWOPRSES0001775	0	0.15	0	NO	0
PWOPRSES0001776	0	0.15	0	NO	0
PWOPRSES0001777	0	0.75	0	NO	0
PWOPRSES0001778	0	0.75	0	NO	0
PWOPRSES0001779	0	0.75	0	NO	0
PWOPRSES0001780	0	0.75	0	NO	0
PWOPRSES0001781	0	0.75	0	NO	0
PWOPRSES0001782	0	0.75	0	NO	0
PWOPRSES0001783	0	0.15	0	NO	0
PWOPRSES0001784	0	0.15	0	NO	0

PWOPRSES0001785	0	1	0	NO	0
PWOPRSES0001786	0	0.15	0	NO	0
PWOPRSES0001797	0	0.75	0	NO	0
PWOPRSES0001798	0	0.15	0	NO	0
PWOPRSES0001803	0	0.15	0	NO	0
PWOPRSES0001806	0	0.15	0	NO	0
PWOPRSES0001807	0	0.15	0	NO	0
PWOPRSES0001808	0	1	0	NO	0
PWOPRSES0001809	0	0.15	0	NO	0
PWOPRSES0001810	0	1	0	NO	0
PWOPRSES0001812	0	1	0	NO	0
PWOPRSES0001819	0	0.15	0	NO	0
PWOPRSES0001821	0	0.15	0	NO	0
PWOPRSES0001822	0	0.85	0	NO	0
PWOPRSES0001823	0	0.75	0	NO	0
PWOPRSES0001824	0	0.75	0	NO	0
PWOPRSES0001825	0	0.15	0	NO	0
PWOPRSES0001826	0	0.75	0	NO	0
PWOPRSES0001827	0	0.15	0	NO	0
PWOPRSES0001828	0	1	0	NO	0
PWOPRSES0001829	0	0.15	0	NO	0
PWOPRSES0001844	0	0.75	0	NO	0
PWOPRSES0001845	0	0.15	0	NO	0
PWOPRSES0001855	0	0.75	0	NO	0
PWOPRSES0001856	0	1	0	NO	0
PWOPRSES0001861	0	0.15	0	NO	0
PWOPRSES0001862	0	0.75	0	NO	0
PWOPRSES0001865	0	0.15	0	NO	0
PWOPRSES0001866	0	1	0	NO	0
PWOPRSES0001868	0	0.75	0	NO	0
PWOPRSES0001890	0	0.15	0	NO	0
PWOPRSES0001891	0	0.75	0	NO	0
PWOPRSES0001892	0	0.75	0	NO	0
PWOPRSES0001895	0	0.75	0	NO	0
PWOPRSES0001896	0	0.15	0	NO	0
PWOPRSES0001897	0	0.85	0	NO	0
PWOPRSES0001899	0	0.75	0	NO	0
PWOPRSES0001900	0	0.15	0	NO	0
PWOPRSES0001904	0	1	0	NO	0
PWOPRSES0001905	0	0.15	0	NO	0
PWOPRSES0001906	0	1	0	NO	0

PWOPRSES0001919	0	0.45	0	NO	0
PWOPRSES0001930	0	1	0	NO	0
PWOPRSES0001931	0	0.15	0	NO	0
PWOPRSES0001932	0	0.15	0	NO	0
PWOPRSES0001941	0	0.15	0	NO	0
PWOPRSES0001942	0	0.15	0	NO	0
PWOPRSES0001943	0	0.15	0	NO	0
PWOPRSES0001944	0	0.15	0	NO	0
PWOPRSES0001951	0	0.15	0	NO	0
PWOPRSES0001952	0	0.15	0	NO	0
PWOPRSES0001960	0	0.15	0	NO	0
PWOPRSES0001961	0	0.15	0	NO	0
PWOPRSES0001962	0	1	0	NO	0
PWOPRSES0001963	0	0.15	0	NO	0
PWOPRSES0001968	0	0.15	0	NO	0
PWOPRSES0001972	0	0.75	0	NO	0
PWOPRSES0001976	0	0.15	0	NO	0
PWOPRSES0001977	0	0.75	0	NO	0
PWOPRSES0001978	0	0.15	0	NO	0
PWOPRSES0001979	0	0.75	0	NO	0
PWOPRSES0001984	0	0.15	0	NO	0
PWOPRSES0002119	0	0.75	0	NO	0
PWOPRSES0002120	0	0.75	0	NO	0
PWOPRSES0002121	0	0.75	0	NO	0
PWOPRSES0002122	0	0.75	0	NO	0
PWOPRSES0003435	0	0.75	0	NO	0
PWOPRSES0003436	0	0.75	0	NO	0
PWOPRSES0003439	0	0.75	0	NO	0
PWOPRSES0003446	0	0.45	0	NO	0
PWOPRSES0003447	0	0.75	0	NO	0
PWOPRSES0003448	0	0.75	0	NO	0
PWOPRSES0003449	0	0.75	0	NO	0
PWOPRSES0003457	0	0.75	0	NO	0
PWOPRSES0003465	0	0.75	0	NO	0
PWOPRSES0003466	0	0.75	0	NO	0
PWOPRSES0004584	0	0.75	0	NO	0
PWOPRSES0004585	0	0.75	0	NO	0
PWOPRSES0004586	0	0.75	0	NO	0
PWOPRSES0004587	0	0.75	0	NO	0
PWOPRSES0004588	0	0.75	0	NO	0
PWOPRSES0004589	0	0.75	0	NO	0

PWOPRSES0004590	0	0.75	0	NO	0
PWOPRSES0004591	0	0.15	0	NO	0
PWOPRSES0004592	0	0.75	0	NO	0
PWOPRSES0004593	0	1	0	NO	0
PWOPRSES0004594	0	0.15	0	NO	0
PWOPRSES0004603	0	0.15	0	NO	0
PWOPRSES0004637	0	0.15	0	NO	0
PWOPRSES0005529	0	1	0	NO	0
PWOPRSES0005530	0	0.85	0	NO	0
PWOPRSES0005531	0	0.45	0	NO	0
PWOPRSES0005532	0	0.15	0	NO	0
PWOPRSES0005534	0	0.75	0	NO	0
PWOPRSES0005535	0	0.75	0	NO	0
PWOPRSES0005536	0	0.45	0	NO	0
PWOPRSES0005537	0	0.15	0	NO	0
PWOPRSES0005539	0	0.85	0	NO	0
PWOPRSES0005540	0	0.75	0	NO	0
PWOPRSES0005541	0	0.45	0	NO	0
PWOPRSES0005710	0	0.15	0	NO	0
PWOPRSES0005734	0	0.75	0	NO	0
PWOPRSES0005735	0	0.85	0	NO	0
PWOPRSES0005736	0	0.45	0	NO	0
PWOPRSES0005739	0	0.15	0	NO	0
PWOPRSES0005744	0	0.75	0	NO	0
PWOPRSES0005766	0	0.45	0	NO	0
PWOPRSES0005767	0	0.15	0	NO	0
PWOPRSES0005768	0	0.15	0	NO	0
PWOPRSES0005769	0	0.15	0	NO	0
PWOPRSES0005770	0	0.15	0	NO	0
PWOPRSES0005771	0	1	0	NO	0
PWOPRSES0006537	0	1	0	NO	0
PWOPRSES0006538	0	1	0	NO	0
PWOPRSES0006542	0	1	0	NO	0
PWOPRSES0006547	0	0.15	0	NO	0
PWOPRSES0006548	0	1	0	NO	0
PWOPRSES0006549	0	0.15	0	NO	0
PWOPRSES0006550	0	0.15	0	NO	0
PWOPRSES0006551	0	1	0	NO	0
PWOPRSES0006552	0	1	0	NO	0
PWOPRSES0006553	0	0.15	0	NO	0
PWOPRSES0006554	0	1	0	NO	0

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PWOPRSES0006555  0          0.15       0          NO         0
PWOPRSES0006576  0          0.15       0          NO         0
PWOPRSES0006577  0          0.15       0          NO         0
STMEasement      0          0.15       0          NO         0

[CURVES]
;;Name           Type       X-Value    Y-Value
;;-------------- ---------- ---------- ----------
10CBs            Rating     0          0
10CBs                       0.02       0.6
10CBs                       0.3        0.6

11CBs            Rating     0          0
11CBs                       0.02       0.66
11CBs                       0.3        0.66

12CBs            Rating     0          0
12CBs                       0.02       0.72
12CBs                       0.3        0.72

13CBs            Rating     0          0
13CBs                       0.02       0.78
13CBs                       0.3        0.78

14CBs            Rating     0          0
14CBs                       0.02       0.84
14CBs                       0.3        0.84

15CBs            Rating     0          0
15CBs                       0.02       0.9
15CBs                       0.3        0.9

16CBs            Rating     0          0
16CBs                       0.02       0.96
16CBs                       0.3        0.96

17CBs            Rating     0          0
17CBs                       0.02       1.02
17CBs                       0.3        1.02

18CBs            Rating     0          0
18CBs                       0.02       1.08
```

18CBs		0.3	1.08
1CBs	Rating	0	0
1CBs		0.01	0.06
1CBs		0.3	0.06
21CBs	Rating	0	0
21CBs		0.02	1.26
21CBs		0.3	1.26
27CBs	Rating	0	0
27CBs		0.02	1.62
27CBs		0.3	1.62
2CBs	Rating	0	0
2CBs		0.01	0.12
2CBs		0.3	0.12
3CBs	Rating	0	0
3CBs		0.01	0.18
3CBs		0.3	0.18
4CBs	Rating	0	0
4CBs		0.01	0.24
4CBs		0.3	0.24
5CBs	Rating	0	0
5CBs		0.01	0.3
5CBs		0.3	0.3
6CBs	Rating	0	0
6CBs		0.01	0.36
6CBs		0.3	0.36
7CBs	Rating	0	0
7CBs		0.01	0.42
7CBs		0.3	0.42
8CBs	Rating	0	0
8CBs		0.01	0.48
8CBs		0.3	0.48

```
9CBs            Rating     0          0
9CBs                       0.01       0.54
9CBs                       0.3        0.54

SWM28RC         Rating     0          0
SWM28RC                    0.615      0
SWM28RC                    0.8        0
SWM28RC                    0.9        0
SWM28RC                    1          0
SWM28RC                    1.1        0.005
SWM28RC                    1.2        0.061
SWM28RC                    1.3        0.088
SWM28RC                    1.4        0.108
SWM28RC                    1.5        0.778
SWM28RC                    1.6        0.814
SWM28RC                    1.7        0.848
SWM28RC                    1.8        0.881
SWM28RC                    1.9        0.912
SWM28RC                    2          0.943
SWM28RC                    2.1        0.972
SWM28RC                    2.2        1.001
SWM28RC                    2.3        1.029
SWM28RC                    2.4        1.056
SWM28RC                    2.5        1.082
SWM28RC                    2.6        1.108
SWM28RC                    2.7        1.133
SWM28RC                    2.8        1.158

;Represents outflow via CB outlets to sewer.  Assumption CBs are at same level as PP (makes sense) - survey shows
them lower, which in turn doesn't match the photos in inventory.
SWM4RC          Rating     0          0
SWM4RC                     1.25       0
SWM4RC                     1.27       0.024
SWM4RC                     1.31       0.078
SWM4RC                     1.33       0.12
SWM4RC                     1.38       0.24
SWM4RC                     1.45       0.48
SWM4RC                     1.55       1.02
SWM4RC                     1.59       1.2
SWM4RC                     1.73       2.4
SWM4RC                     1.85       3.6
```

```
SWM4RC                      2          4.8

ParkStorage      Storage    0          0
ParkStorage                 0.7        900
ParkStorage                 1          16500
ParkStorage                 1.2        29000

SWM28            Storage    0          3450
SWM28                       0.615      3450
SWM28                       0.8        8500
SWM28                       0.9        8500
SWM28                       1          8500
SWM28                       1.1        8500
SWM28                       1.2        8500
SWM28                       1.3        8500
SWM28                       1.4        8500
SWM28                       1.5        8500
SWM28                       1.6        8500
SWM28                       1.7        8500
SWM28                       1.8        8500
SWM28                       1.9        8500
SWM28                       2          8500
SWM28                       2.1        8500
SWM28                       2.2        8500
SWM28                       2.3        8500
SWM28                       2.4        8500
SWM28                       2.5        8500
SWM28                       2.6        8500
SWM28                       2.7        8500
SWM28                       2.8        8500

;Approximated from TSH report base mapping.  Note that pipe inlet is partially submerged according to photos and
survey.  Dead storage has to be incorporated to allow inlet to discharge into pond below surface WL.  Assuming same
surface area between spillway height and very top (the approx 62.0 feet shown on as-built drawing)
SWM4Storage      Storage    0          1900
SWM4Storage                 1.25       1900
SWM4Storage                 1.55       2400
SWM4Storage                 2          2400

;Depth-Area relationship for forebay area of SWM Pond 7
SWM7FB           Storage    0          285
SWM7FB                      1          560
```

```
;Stage-Storage relationship for main cell of SWM Pond 7
SWM7MC           Storage    0          4235
SWM7MC                      1          4925

WetlandA1        Storage    0          0
WetlandA1                   0.5        1993
WetlandA1                   1          10128
WetlandA1                   1.5        19123
WetlandA1                   2          72071
WetlandA1                   2.5        81823
WetlandA1                   3          82759

WetlandA2        Storage    0          0
WetlandA2                   0.5        43647
WetlandA2                   1          98288
WetlandA2                   1.5        113931
WetlandA2                   2          114893
WetlandA2                   2.5        114932
WetlandA2                   3          114932

WetlandA3        Storage    0          12203
WetlandA3                   0.5        31285
WetlandA3                   1          84316
WetlandA3                   1.5        119057
WetlandA3                   2          147660
WetlandA3                   2.5        182929
WetlandA3                   3          251326
WetlandA3                   3.5        340723
WetlandA3                   4          451413
WetlandA3                   4.5        540607
WetlandA3                   5          566035
WetlandA3                   5.5        567097

WetlandA4        Storage    0          22748
WetlandA4                   0.5        37777
WetlandA4                   1          56843
WetlandA4                   1.5        85353
WetlandA4                   2          136310
WetlandA4                   2.5        254969
WetlandA4                   3          366650
```

```
WetlandA4                   3.5         464859
WetlandA4                   4           572352
WetlandA4                   4.5         643960
WetlandA4                   5           729815
WetlandA4                   5.5         794027

WetlandB1        Storage    0           748
WetlandB1                   0.5         2179
WetlandB1                   1           4353
WetlandB1                   1.5         18749
WetlandB1                   2           29524
WetlandB1                   2.5         30815
WetlandB1                   3           30837

WetlandB2        Storage    0           0
WetlandB2                   0.5         24588
WetlandB2                   1           28790
WetlandB2                   1.5         29102
WetlandB2                   2           29102
WetlandB2                   2.5         29102
WetlandB2                   3           29102

WetlandC1        Storage    0           0
WetlandC1                   0.5         2567
WetlandC1                   1           10045
WetlandC1                   1.5         21166
WetlandC1                   2           30166
WetlandC1                   2.5         31435
WetlandC1                   3           31518

WetlandD1        Storage    0           0
WetlandD1                   0.5         13522
WetlandD1                   1           58665
WetlandD1                   1.5         127160
WetlandD1                   2           131458
WetlandD1                   2.5         131580
WetlandD1                   3           131580

WetlandD2        Storage    0           650
WetlandD2                   0.5         7394
WetlandD2                   1           48890
```

```
WetlandD2                   1.5         89082
WetlandD2                   2           133528
WetlandD2                   2.5         153565
WetlandD2                   3           162160

WetlandD3        Storage    0           0
WetlandD3                   0.5         1820
WetlandD3                   1           46389
WetlandD3                   1.5         54012
WetlandD3                   2           56062
WetlandD3                   2.5         56124
WetlandD3                   3           56124

WetlandD4        Storage    0           157
WetlandD4                   0.5         10443
WetlandD4                   1           14310
WetlandD4                   1.5         30878
WetlandD4                   2           33670
WetlandD4                   2.5         34949
WetlandD4                   3           35215

WetlandE1        Storage    0           0
WetlandE1                   0.5         7717.148314
WetlandE1                   1           17612.80256
WetlandE1                   1.5         25586.52171
WetlandE1                   2           28587
WetlandE1                   2.5         29290
WetlandE1                   3           29297

WetlandE2        Storage    0           0
WetlandE2                   0.5         6088.864713
WetlandE2                   1           7509.22668
WetlandE2                   1.5         7840
WetlandE2                   2           7885
WetlandE2                   2.5         7885
WetlandE2                   3           7885

WetlandE3        Storage    0           262.986564
WetlandE3                   1           8013.773861
WetlandE3                   2           17068.55258
WetlandE3                   3           23881.86007
```

```
WetlandE3                   4          31930.37758
WetlandE3                   5          45851.68924
WetlandE3                   6          59052.95639
WetlandE3                   7          67360.7874
WetlandE3                   8          77508.42571
WetlandE3                   9          80545.00609
WetlandE3                   10         92149.70895
WetlandE3                   11         108177.4222

[TIMESERIES]
;;Name           Date       Time       Value
;;-------------- ---------- ---------- ----------
;Guelph IDF Curve
AES12hour_100yr             0:15       1.01
AES12hour_100yr             0:30       1.01
AES12hour_100yr             0:45       1.01
AES12hour_100yr             1:00       1.01
AES12hour_100yr             1:15       1.01
AES12hour_100yr             1:30       1.01
AES12hour_100yr             1:45       1.01
AES12hour_100yr             2:00       1.01
AES12hour_100yr             2:15       5.81
AES12hour_100yr             2:30       5.81
AES12hour_100yr             2:45       5.81
AES12hour_100yr             3:00       5.81
AES12hour_100yr             3:15       16.65
AES12hour_100yr             3:30       16.65
AES12hour_100yr             3:45       16.65
AES12hour_100yr             4:00       16.65
AES12hour_100yr             4:15       44.93
AES12hour_100yr             4:30       44.93
AES12hour_100yr             4:45       44.93
AES12hour_100yr             5:00       44.93
AES12hour_100yr             5:15       12.74
AES12hour_100yr             5:30       12.74
AES12hour_100yr             5:45       12.74
AES12hour_100yr             6:00       12.74
AES12hour_100yr             6:15       6.82
AES12hour_100yr             6:30       6.82
AES12hour_100yr             6:45       6.82
AES12hour_100yr             7:00       6.82
```

```
AES12hour_100yr             7:15       3.91
AES12hour_100yr             7:30       3.91
AES12hour_100yr             7:45       3.91
AES12hour_100yr             8:00       3.91
AES12hour_100yr             8:15       1.90
AES12hour_100yr             8:30       1.90
AES12hour_100yr             8:45       1.90
AES12hour_100yr             9:00       1.90
AES12hour_100yr             9:15       1.01
AES12hour_100yr             9:30       1.01
AES12hour_100yr             9:45       1.01
AES12hour_100yr             10:00      1.01
AES12hour_100yr             10:15      1.01
AES12hour_100yr             10:30      1.01
AES12hour_100yr             10:45      1.01
AES12hour_100yr             11:00      1.01
AES12hour_100yr             11:15      1.01
AES12hour_100yr             11:30      1.01
AES12hour_100yr             11:45      1.01
AES12hour_100yr             12:00      1.01

AES12hour_10yr              0:15       0.687085714
AES12hour_10yr              0:30       0.687085714
AES12hour_10yr              0:45       0.687085714
AES12hour_10yr              1:00       0.687085714
AES12hour_10yr              1:15       0.687085714
AES12hour_10yr              1:30       0.687085714
AES12hour_10yr              1:45       0.687085714
AES12hour_10yr              2:00       0.687085714
AES12hour_10yr              2:15       3.969828571
AES12hour_10yr              2:30       3.969828571
AES12hour_10yr              2:45       3.969828571
AES12hour_10yr              3:00       3.969828571
AES12hour_10yr              3:15       11.37508571
AES12hour_10yr              3:30       11.37508571
AES12hour_10yr              3:45       11.37508571
AES12hour_10yr              4:00       11.37508571
AES12hour_10yr              4:15       30.68982857
AES12hour_10yr              4:30       30.68982857
AES12hour_10yr              4:45       30.68982857
AES12hour_10yr              5:00       30.68982857
```

```
AES12hour_10yr              5:15       8.703085714
AES12hour_10yr              5:30       8.703085714
AES12hour_10yr              5:45       8.703085714
AES12hour_10yr              6:00       8.703085714
AES12hour_10yr              6:15       4.656914286
AES12hour_10yr              6:30       4.656914286
AES12hour_10yr              6:45       4.656914286
AES12hour_10yr              7:00       4.656914286
AES12hour_10yr              7:15       2.672
AES12hour_10yr              7:30       2.672
AES12hour_10yr              7:45       2.672
AES12hour_10yr              8:00       2.672
AES12hour_10yr              8:15       1.297828571
AES12hour_10yr              8:30       1.297828571
AES12hour_10yr              8:45       1.297828571
AES12hour_10yr              9:00       1.297828571
AES12hour_10yr              9:15       0.687085714
AES12hour_10yr              9:30       0.687085714
AES12hour_10yr              9:45       0.687085714
AES12hour_10yr              10:00      0.687085714
AES12hour_10yr              10:15      0.687085714
AES12hour_10yr              10:30      0.687085714
AES12hour_10yr              10:45      0.687085714
AES12hour_10yr              11:00      0.687085714
AES12hour_10yr              11:15      0.687085714
AES12hour_10yr              11:30      0.687085714
AES12hour_10yr              11:45      0.687085714
AES12hour_10yr              12:00      0.687085714

;Guelph IDF Curve
AES12hour_5yr               0:15       0.5976
AES12hour_5yr               0:30       0.5976
AES12hour_5yr               0:45       0.5976
AES12hour_5yr               1:00       0.5976
AES12hour_5yr               1:15       0.5976
AES12hour_5yr               1:30       0.5976
AES12hour_5yr               1:45       0.5976
AES12hour_5yr               2:00       0.5976
AES12hour_5yr               2:15       3.4528
AES12hour_5yr               2:30       3.4528
AES12hour_5yr               2:45       3.4528
```

```
AES12hour_5yr               3:00       3.4528
AES12hour_5yr               3:15       9.8936
AES12hour_5yr               3:30       9.8936
AES12hour_5yr               3:45       9.8936
AES12hour_5yr               4:00       9.8936
AES12hour_5yr               4:15       26.6928
AES12hour_5yr               4:30       26.6928
AES12hour_5yr               4:45       26.6928
AES12hour_5yr               5:00       26.6928
AES12hour_5yr               5:15       7.5696
AES12hour_5yr               5:30       7.5696
AES12hour_5yr               5:45       7.5696
AES12hour_5yr               6:00       7.5696
AES12hour_5yr               6:15       4.0504
AES12hour_5yr               6:30       4.0504
AES12hour_5yr               6:45       4.0504
AES12hour_5yr               7:00       4.0504
AES12hour_5yr               7:15       2.324
AES12hour_5yr               7:30       2.324
AES12hour_5yr               7:45       2.324
AES12hour_5yr               8:00       2.324
AES12hour_5yr               8:15       1.1288
AES12hour_5yr               8:30       1.1288
AES12hour_5yr               8:45       1.1288
AES12hour_5yr               9:00       1.1288
AES12hour_5yr               9:15       0.5976
AES12hour_5yr               9:30       0.5976
AES12hour_5yr               9:45       0.5976
AES12hour_5yr               10:00      0.5976
AES12hour_5yr               10:15      0.5976
AES12hour_5yr               10:30      0.5976
AES12hour_5yr               10:45      0.5976
AES12hour_5yr               11:00      0.5976
AES12hour_5yr               11:15      0.5976
AES12hour_5yr               11:30      0.5976
AES12hour_5yr               11:45      0.5976
AES12hour_5yr               12:00      0.5976

;Guelph IDF Curve
AES6hour_100yr              0:15       1.865082087
AES6hour_100yr              0:30       1.865082087
```

```
AES6hour_100yr              0:45       1.865082087
AES6hour_100yr              1:00       1.865082087
AES6hour_100yr              1:15       11.19049252
AES6hour_100yr              1:30       11.19049252
AES6hour_100yr              1:45       31.70639362
AES6hour_100yr              2:00       31.70639362
AES6hour_100yr              2:15       85.79376981
AES6hour_100yr              2:30       85.79376981
AES6hour_100yr              2:45       24.24606527
AES6hour_100yr              3:00       24.24606527
AES6hour_100yr              3:15       13.05557399
AES6hour_100yr              3:30       13.05557399
AES6hour_100yr              3:45       7.460328346
AES6hour_100yr              4:00       7.460328346
AES6hour_100yr              4:15       3.730164173
AES6hour_100yr              4:30       3.730164173
AES6hour_100yr              4:45       1.865082087
AES6hour_100yr              5:00       1.865082087
AES6hour_100yr              5:15       1.865082087
AES6hour_100yr              5:30       1.865082087
AES6hour_100yr              5:45       1.865082087
AES6hour_100yr              6:00       1.865082087

;2100 IDF Curve Predicition
CC_AES12hour_100yr            0:15       1.78
CC_AES12hour_100yr            0:30       1.78
CC_AES12hour_100yr            0:45       1.78
CC_AES12hour_100yr            1:00       1.78
CC_AES12hour_100yr            1:15       1.78
CC_AES12hour_100yr            1:30       1.78
CC_AES12hour_100yr            1:45       1.78
CC_AES12hour_100yr            2:00       1.78
CC_AES12hour_100yr            2:15       10.26
CC_AES12hour_100yr            2:30       10.26
CC_AES12hour_100yr            2:45       10.26
CC_AES12hour_100yr            3:00       10.26
CC_AES12hour_100yr            3:15       29.40
CC_AES12hour_100yr            3:30       29.40
CC_AES12hour_100yr            3:45       29.40
CC_AES12hour_100yr            4:00       29.40
CC_AES12hour_100yr            4:15       79.33
```

CC_AES12hour_100yr	4:30	79.33
CC_AES12hour_100yr	4:45	79.33
CC_AES12hour_100yr	5:00	79.33
CC_AES12hour_100yr	5:15	22.50
CC_AES12hour_100yr	5:30	22.50
CC_AES12hour_100yr	5:45	22.50
CC_AES12hour_100yr	6:00	22.50
CC_AES12hour_100yr	6:15	12.04
CC_AES12hour_100yr	6:30	12.04
CC_AES12hour_100yr	6:45	12.04
CC_AES12hour_100yr	7:00	12.04
CC_AES12hour_100yr	7:15	6.91
CC_AES12hour_100yr	7:30	6.91
CC_AES12hour_100yr	7:45	6.91
CC_AES12hour_100yr	8:00	6.91
CC_AES12hour_100yr	8:15	3.35
CC_AES12hour_100yr	8:30	3.35
CC_AES12hour_100yr	8:45	3.35
CC_AES12hour_100yr	9:00	3.35
CC_AES12hour_100yr	9:15	1.78
CC_AES12hour_100yr	9:30	1.78
CC_AES12hour_100yr	9:45	1.78
CC_AES12hour_100yr	10:00	1.78
CC_AES12hour_100yr	10:15	1.78
CC_AES12hour_100yr	10:30	1.78
CC_AES12hour_100yr	10:45	1.78
CC_AES12hour_100yr	11:00	1.78
CC_AES12hour_100yr	11:15	1.78
CC_AES12hour_100yr	11:30	1.78
CC_AES12hour_100yr	11:45	1.78
CC_AES12hour_100yr	12:00	1.78

Guelph100Y	01/19/2010 0:00	0
Guelph100Y	01/19/2010 0:05	3.05
Guelph100Y	01/19/2010 0:10	3.33
Guelph100Y	01/19/2010 0:15	3.7
Guelph100Y	01/19/2010 0:20	4.14
Guelph100Y	01/19/2010 0:25	4.68
Guelph100Y	01/19/2010 0:30	5.34
Guelph100Y	01/19/2010 0:35	6.18
Guelph100Y	01/19/2010 0:40	7.26

Guelph100Y	01/19/2010 0:45	8.89
Guelph100Y	01/19/2010 0:50	10.63
Guelph100Y	01/19/2010 0:55	13.39
Guelph100Y	01/19/2010 1:00	17.51
Guelph100Y	01/19/2010 1:05	24.1
Guelph100Y	01/19/2010 1:10	35.69
Guelph100Y	01/19/2010 1:15	59.35
Guelph100Y	01/19/2010 1:20	121.59
Guelph100Y	01/19/2010 1:25	239.35
Guelph100Y	01/19/2010 1:30	137.52
Guelph100Y	01/19/2010 1:35	80.54
Guelph100Y	01/19/2010 1:40	53.35
Guelph100Y	01/19/2010 1:45	38.19
Guelph100Y	01/19/2010 1:50	28.84
Guelph100Y	01/19/2010 1:55	22.65
Guelph100Y	01/19/2010 2:00	18.33
Guelph100Y	01/19/2010 2:05	15.19
Guelph100Y	01/19/2010 2:10	12.83
Guelph100Y	01/19/2010 2:15	11
Guelph100Y	01/19/2010 2:20	9.56
Guelph100Y	01/19/2010 2:25	8.41
Guelph100Y	01/19/2010 2:30	7.46
Guelph100Y	01/19/2010 2:35	6.68
Guelph100Y	01/19/2010 2:40	6.02
Guelph100Y	01/19/2010 2:45	5.49
Guelph100Y	01/19/2010 2:50	4.99
Guelph100Y	01/19/2010 2:55	4.58
Guelph100Y	01/19/2010 3:00	4.22
Guelph100Y	01/19/2010 3:05	3.91
Guelph100Y	01/19/2010 3:10	3.63
Guelph100Y	01/19/2010 3:15	3.38
Guelph100Y	01/19/2010 3:20	3.17
Guelph100Y	01/19/2010 3:25	3.05
Guelph100Y	01/19/2010 3:30	0
Guelph5Y	01/19/2010 0:00	0
Guelph5Y	01/19/2010 0:05	3.06
Guelph5Y	01/19/2010 0:10	3.35
Guelph5Y	01/19/2010 0:15	3.7
Guelph5Y	01/19/2010 0:20	4.13
Guelph5Y	01/19/2010 0:25	4.68

```
Guelph5Y         01/19/2010 0:30       5.37
Guelph5Y         01/19/2010 0:35       6.3
Guelph5Y         01/19/2010 0:40       7.59
Guelph5Y         01/19/2010 0:45       9.48
Guelph5Y         01/19/2010 0:50       12.46
Guelph5Y         01/19/2010 0:55       17.72
Guelph5Y         01/19/2010 1:00       28.8
Guelph5Y         01/19/2010 1:05       61.69
Guelph5Y         01/19/2010 1:10       139.29
Guelph5Y         01/19/2010 1:15       70.6
Guelph5Y         01/19/2010 1:20       39.22
Guelph5Y         01/19/2010 1:25       25.91
Guelph5Y         01/19/2010 1:30       18.86
Guelph5Y         01/19/2010 1:35       14.61
Guelph5Y         01/19/2010 1:40       11.81
Guelph5Y         01/19/2010 1:45       9.86
Guelph5Y         01/19/2010 1:50       8.42
Guelph5Y         01/19/2010 1:55       7.33
Guelph5Y         01/19/2010 2:00       6.48
Guelph5Y         01/19/2010 2:05       5.8
Guelph5Y         01/19/2010 2:10       5.24
Guelph5Y         01/19/2010 2:15       4.78
Guelph5Y         01/19/2010 2:20       4.39
Guelph5Y         01/19/2010 2:25       4.05
Guelph5Y         01/19/2010 2:30       3.77
Guelph5Y         01/19/2010 2:35       3.52
Guelph5Y         01/19/2010 2:40       3.3
Guelph5Y         01/19/2010 2:45       3.1
Guelph5Y         01/19/2010 2:50       3.05
Guelph5Y         01/19/2010 2:55       0

;Rainfall (mm/hr)
Hurricane_Hazel_(0-25) 01/19/2010 00:00:00   6.33
Hurricane_Hazel_(0-25) 01/19/2010 01:00:00   4.22
Hurricane_Hazel_(0-25) 01/19/2010 02:00:00   6.33
Hurricane_Hazel_(0-25) 01/19/2010 03:00:00   12.66
Hurricane_Hazel_(0-25) 01/19/2010 04:00:00   16.88
Hurricane_Hazel_(0-25) 01/19/2010 05:00:00   12.66
Hurricane_Hazel_(0-25) 01/19/2010 06:00:00   23.21
Hurricane_Hazel_(0-25) 01/19/2010 07:00:00   12.66
Hurricane_Hazel_(0-25) 01/19/2010 08:00:00   12.66
```

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Hurricane_Hazel_(0-25) 01/19/2010 09:00:00   52.75
Hurricane_Hazel_(0-25) 01/19/2010 10:00:00   37.98
Hurricane_Hazel_(0-25) 01/19/2010 11:00:00   12.66

[REPORT]
;;Reporting Options
INPUT      NO
CONTROLS   NO
SUBCATCHMENTS ALL
NODES ALL
LINKS ALL

[TAGS]
Subcatch   A1               WETLAND
Subcatch   A1.1             SUB
Subcatch   A1.1_FRST        FOREST
Subcatch   A2               WETLAND
Subcatch   A2.1             SUB
Subcatch   A2.1_FRST        FOREST
Subcatch   A2.2             SUB
Subcatch   A2.2_FRST        FOREST
Subcatch   A3               WETLAND
Subcatch   A3.1             SUB
Subcatch   A3.1_FRST        FOREST
Subcatch   A3.2             SUB
Subcatch   A3.2_FRST        FOREST
Subcatch   A3.3             SUB
Subcatch   A3.3_FRST        FOREST
Subcatch   A4               WETLAND
Subcatch   A4.1             SUB
Subcatch   A4.1_FRST        FOREST
Subcatch   A4.2             SUB
Subcatch   A4.2_FRST        FOREST
Subcatch   A4.3             SUB
Subcatch   A4.3_FRST        FOREST
Subcatch   A4.4_FRST        FOREST
Subcatch   A4.5             SUB
Subcatch   A4.5_FRST        FOREST
Subcatch   A4.6             SUB
Subcatch   A4.6_FRST        FOREST
Subcatch   B1               WETLAND
```

```
Subcatch   B1.1             SUB
Subcatch   B1.1_FRST        FOREST
Subcatch   B2               WETLAND
Subcatch   B2.1             SUB
Subcatch   B2.1_FRST        FOREST
Subcatch   C1               WETLAND
Subcatch   C1.1             SUB
Subcatch   C1.1_FRST        FOREST
Subcatch   D1               WETLAND
Subcatch   D1.1             SUB
Subcatch   D1.1_FRST        FOREST
Subcatch   D2               WETLAND
Subcatch   D2.1             SUB
Subcatch   D2.1_FRST        FOREST
Subcatch   D3               WETLAND
Subcatch   D3.1             SUB
Subcatch   D4               WETLAND
Subcatch   D4.1             SUB
Subcatch   D4.1_FRST        FOREST
Subcatch   E1               WETLAND
Subcatch   E1.1             SUB
Subcatch   E1.1_FRST        FOREST
Subcatch   E2               WETLAND
Subcatch   E2.1             SUB
Subcatch   E2.1_FRST        FOREST
Subcatch   E3               WETLAND
Subcatch   E3.1             SUB
Subcatch   E3.1_FRST        FOREST
Node       13               PEAKFLOW
Node       14               OVERFLOW
Node       18               PEAKFLOW
Node       20               OVERFLOW
Node       21               PEAKFLOW
Node       22               PEAKFLOW
Node       28               OVERFLOW
Node       31               PEAKFLOW
Node       37               OVERFLOW
Node       40               OVERFLOW
Node       42               OVERFLOW
Node       48               OVERFLOW
Node       49               OVERFLOW
```

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Node       5                PEAKFLOW
Node       50               OVERFLOW
Node       54               OVERFLOW
Node       56               PEAKFLOW
Node       7                OVERFLOW
Node       9                PEAKFLOW
Node       PWOPRMHS0001611  2
Link       2                OUTLET_A1
Link       4                OUTLET_A2
Link       45               OVERFLOW
Link       46               OVERFLOW
Link       49               OVERFLOW
Link       51               OVERFLOW
Link       53               OVERFLOW
Link       55               OVERFLOW
Link       56               OVERFLOW
Link       59               OVERFLOW
Link       61               OVERFLOW
Link       62               OVERFLOW
Link       64               OVERFLOW
Link       66               OVERFLOW
Link       67               OVERFLOW
Link       7                OUTLET_A3

[MAP]
DIMENSIONS       560049.177659319 4813980.05367023 566747.96515429  4819891.92205309
UNITS            Meters

[COORDINATES]
;;Node           X-Coord          Y-Coord
;;-------------- ---------------- ----------------
1                563505.595       4818857.531
11               562264.051       4817092.616
12               562093.693       4816996.517
13               561923.335       4816939.73
14               563765.659       4818608.344
15               561698.149       4817099.989
17               561555.781       4817211.295
18               562426.62        4818157.29
19               562538.173       4818252.284
2                563971.394       4816882.676
```

20	564178.863	4818321.328
21	562545.175	4815756.588
22	562792.469	4817889.143
24	562914.204	4817643.271
25	562839.502	4817808.814
26	563392.315	4814809.546
27	563008.362	4815059.447
28	564101.861	4817495.179
29	562658.413	4815370.702
3	563813.34	4818552.225
30	562518.57	4815887.312
31	562509.891	4815976.414
32	562389.177	4816125.495
34	562132.804	4816343.723
35	562141.559	4816415.771
36	562019.922	4816837.051
37	562691.445	4818224.496
39	562260.757	4815366.47
4	562898.769	4818142.309
40	562735.784	4816716.891
42	562653.629	4817959.571
48	562791.226	4815250.407
49	562119.461	4815316.718
5	564285.83	4818262.163
50	562180.148	4816210.903
53	561776.788	4817092.883
54	561654.389	4817151.371
56	560575.172	4817438.611
6	564448.132	4818114.766
7	562660.913	4817047.623
8	563452.191	4817241.134
9	563050.32	4817206.188
MHEasement1	561877.237	4816229.292
MHEasement2	561949.252	4816236.207
MHSchool	562556.23	4818733.76
MHSWM4	561796.452	4817542.016
PWOPRMHS0001369	561884.193	4816425.78
PWOPRMHS0001370	561860.035	4816232.92
PWOPRMHS0001371	561855.459	4816222.492
PWOPRMHS0001372	561846.661	4816215.753
PWOPRMHS0001373	561812.341	4816475.01

PWOPRMHS0001374	561843.527	4816298.466
PWOPRMHS0001375	561847.848	4816285.339
PWOPRMHS0001386	561972.542	4816243.198
PWOPRMHS0001387	561961.55	4816273.581
PWOPRMHS0001388	561945.075	4816327.358
PWOPRMHS0001389	561922.976	4816376.79
PWOPRMHS0001390	561862.605	4816605.17
PWOPRMHS0001391	561851.715	4816638.463
PWOPRMHS0001392	561799.907	4816625.51
PWOPRMHS0001393	561718.958	4816564.397
PWOPRMHS0001394	561827.11	4816719.731
PWOPRMHS0001395	561761.638	4816780.338
PWOPRMHS0001398	561742.623	4816939.696
PWOPRMHS0001399	561765.69	4816913.305
PWOPRMHS0001400	561778.566	4816886.367
PWOPRMHS0001401	561793.986	4816829.638
PWOPRMHS0001402	561805.703	4816791.896
PWOPRMHS0001403	561746.177	4817608.49
PWOPRMHS0001404	561635.613	4816631.971
PWOPRMHS0001408	561601.462	4816667.671
PWOPRMHS0001409	561825.428	4817917.837
PWOPRMHS0001410	561840.501	4817971.076
PWOPRMHS0001411	561844.591	4817982.614
PWOPRMHS0001412	561869.304	4818052.989
PWOPRMHS0001413	561877.912	4818049.95
PWOPRMHS0001415	561825.048	4816476.95
PWOPRMHS0001416	561824.196	4817541.964
PWOPRMHS0001418	561877.987	4817487.164
PWOPRMHS0001419	561824.809	4816326.341
PWOPRMHS0001420	561802.331	4816346.087
PWOPRMHS0001421	561774.617	4816354.775
PWOPRMHS0001422	561771.574	4816423.521
PWOPRMHS0001423	561757.078	4816402.985
PWOPRMHS0001424	561711.709	4816422.071
PWOPRMHS0001428	561744.231	4816300.096
PWOPRMHS0001429	561751.471	4816357.794
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PWOPRMHS0001433	561917.179	4817502.421
PWOPRMHS0001435	561950.344	4817403.392
PWOPRMHS0001436	561964.452	4817448.082

PWOPRMHS0001437	561975.395	4817428.756
PWOPRMHS0001438	561966.497	4817387.235
PWOPRMHS0001467	561588.747	4816585.318
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PWOPRMHS0001598	562944.811	4818100.994
PWOPRMHS0001600	563054.204	4818236.639
PWOPRMHS0001601	563020.359	4818180.421
PWOPRMHS0001602	563006.722	4818166.463
PWOPRMHS0001603	562996.574	4818175.509
PWOPRMHS0001604	562983.713	4818173.975
PWOPRMHS0001605	562983.177	4818191.591
PWOPRMHS0001606	562916.138	4818104.669
PWOPRMHS0001608	562941.941	4818079.72
PWOPRMHS0001610	562941.014	4818100.853
PWOPRMHS0001611	562418.856	4818184.213
PWOPRMHS0001614	562411.822	4818229.263
PWOPRMHS0001622	561798.793	4818077.804
PWOPRMHS0001624	561870.607	4818352.898
PWOPRMHS0001625	561875.988	4818344.603
PWOPRMHS0001626	561851.385	4818381.332
PWOPRMHS0001634	561764.309	4817989.272
PWOPRMHS0001642	562403.42	4818235.142
PWOPRMHS0001643	562380.587	4818237.202
PWOPRMHS0001649	561929.012	4818313.016
PWOPRMHS0001650	561921.69	4818318.725
PWOPRMHS0001651	561893.769	4818346.3
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PWOPRMHS0001653	562068.226	4818335.822
PWOPRMHS0001654	562090.795	4818330.833
PWOPRMHS0001655	561934.734	4818295.39
PWOPRMHS0001657	562096.337	4818314.226
PWOPRMHS0001658	562091.176	4818297.637
PWOPRMHS0001659	562053.425	4818289.351
PWOPRMHS0001660	562195.031	4818375.544
PWOPRMHS0001661B	562158.925	4818366.059
PWOPRMHS0001662	562174.087	4818351.558
PWOPRMHS0001663	562166.723	4818351.838
PWOPRMHS0001664	562026.148	4818376.683
PWOPRMHS0001667	562856.537	4818041.852
PWOPRMHS0001670	562794.817	4817977.145
PWOPRMHS0001674	562810.361	4818443.76

PWOPRMHS0001676	562823.661	4818447.839
PWOPRMHS0001677	562859.193	4818424.794
PWOPRMHS0001678	562867.364	4818426.043
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PWOPRMHS0001682	562768.026	4818647.408
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PWOPRMHS0001689	562751.931	4818556.217
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PWOPRMHS0001692	562668.878	4818665.765
PWOPRMHS0001695	562657.788	4817757.419
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PWOPRMHS0001713	562772.9	4818363.606
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PWOPRMHS0001732	562501.315	4818757.506
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PWOPRMHS0001740	562521.5	4818764.574
PWOPRMHS0001741	562515.926	4818655.827
PWOPRMHS0001743	562661.053	4818594.039
PWOPRMHS0001744	562660.311	4818676.462
PWOPRMHS0001745	562597.709	4818695.039
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PWOPRMHS0001764	562005.558	4817911.268
PWOPRMHS0001765	561996.125	4817859.219
PWOPRMHS0001766	562006.358	4817833.244
PWOPRMHS0001767	561925.021	4817940.002
PWOPRMHS0001768	561914.07	4817900.74
PWOPRMHS0001788	561698.376	4817655.42
PWOPRMHS0001791	561674.858	4817883.764
PWOPRMHS0001792	561691.408	4817816.757
PWOPRMHS0001796	561735.415	4817745.354
PWOPRMHS0001797	561721.414	4817775.178
PWOPRMHS0001798	561706.316	4817811.029

PWOPRMHS0001804	562144.492	4817600.981
PWOPRMHS0001836	561618.275	4817781.095
PWOPRMHS0001855	562071.871	4817527.116
PWOPRMHS0001856	562108.25	4817515.863
PWOPRMHS0001857	562018.38	4817472.687
PWOPRMHS0001858	562192.681	4817476.003
PWOPRMHS0001867	562336.75	4817338.49
PWOPRMHS0001874	562442.58	4818695.738
PWOPRMHS0001878	562446.686	4818246.2
PWOPRMHS0001879	562416.185	4818234.902
PWOPRMHS0001881	562323.188	4818256.778
PWOPRMHS0001889	562261.014	4818487.19
PWOPRMHS0001890	562263.472	4818474.204
PWOPRMHS0001891	562276.508	4818476.543
PWOPRMHS0001894	562219.538	4818408.967
PWOPRMHS0001903	562275.642	4817437.565
PWOPRMHS0001904	562252.184	4817414.663
PWOPRMHS0001906	562199.434	4817211.531
PWOPRMHS0001907	562201.793	4817224.567
PWOPRMHS0001908	562230.043	4817218.629
PWOPRMHS0001911	562175.596	4817187.225
PWOPRMHS0001912	562174.045	4817172.203
PWOPRMHS0001914	562212.727	4817498.572
PWOPRMHS0001915	562165.189	4817496.093
PWOPRMHS0001916	562090.968	4817524.907
PWOPRMHS0001917	562135.569	4817290.249
PWOPRMHS0001918	562070.519	4817280.896
PWOPRMHS0001919	562658.654	4818569.474
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PWOPRMHS0001927	562592.176	4817527.656
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PWOPRMHS0001930	562693.797	4817444.903
PWOPRMHS0001931	562684.587	4817352.022
PWOPRMHS0001932	562665.943	4817308.711
PWOPRMHS0001933	562638.633	4817270.858
PWOPRMHS0001935	562601.996	4817232.826
PWOPRMHS0001937	562514.12	4817703.91
PWOPRMHS0001939	562559.736	4817496.063
PWOPRMHS0001941	562507.92	4817191.261

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PWOPRMHS0002042	562429.155	4818809.545
PWOPRMHS0002046	562778.004	4818703.257
PWOPRMHS0002050	562572.6	4818736.45
PWOPRMHS0002051	562573.307	4818716.897
PWOPRMHS0002080	562293.693	4818516.995
PWOPRMHS0002082	562138.935	4818607.426
PWOPRMHS0002083	562201.9	4818544.239
PWOPRMHS0002084	562211.633	4818534.691
PWOPRMHS0002085	562231.774	4818614.815
PWOPRMHS0002095	563019.409	4818702.147
PWOPRMHS0003136	562822.688	4818640.63
PWOPRMHS0003137	562847.789	4818643.369
PWOPRMHS0003140	562899.456	4818458.645
PWOPRMHS0003146	562955.933	4818657.326
PWOPRMHS0003147	562910.35	4818677.222
PWOPRMHS0003148	562892.201	4818688.63
PWOPRMHS0003149	562883.073	4818687.63
PWOPRMHS0003153	563051.444	4818655.097
PWOPRMHS0003160	562961.606	4818637.45
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PWOPRMHS0004135	563401.454	4818078.396
PWOPRMHS0004137	563455.173	4818133.4
PWOPRMHS0004141	563228.124	4818032.169
PWOPRMHS0004142	563190.906	4817992.292
PWOPRMHS0004143	563231.378	4818030.067
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PWOPRMHS0004201	563344.834	4818155.36
PWOPRMHS0004998	563042.258	4818134.061
PWOPRMHS0004999	563076.141	4818096.655
PWOPRMHS0005000	563091.054	4818082.284

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PWOPRMHS0005003	563018.173	4818006.734
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PWOPRMHS0005188	563623.454	4817846.848
PWOPRMHS0005196	563541.199	4817883.887
PWOPRMHS0005223	563331.679	4817860.101
PWOPRMHS0005226	563281.863	4817808.161
PWOPRMHS0005229	563233.779	4817750.737
PWOPRMHS0005230	563230.341	4817754.497
PWOPRMHS0005231	563286.047	4817701.22
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PWOPRMHS0005910	562331.287	4816375.628
PWOPRMHS0005911	562381.865	4816364.313
PWOPRMHS0005924	562377.213	4816497.403
PWOPRMHS0005926	562288.303	4816442.954
PWOPRMHS0005927	562290.8	4816472.076
PWOPRMHS0005930	562248.999	4816566.553
PWOPRMHS0005931	562258.31	4816580.793
PWOPRMHS0005932	562304.691	4816582.998
PWOPRMHS0005944	562267.763	4816669.551
PWOPRMHS0005945	562234.662	4816659.306
PWOPRMHS0005946	562223.809	4816690.36
SWMPOND	562700.85	4817671.611
A1_OVERFLOW	563752.136	4818599.803
A2_OVERFLOW	564158.345	4818295.681
A3_OVERFLOW	564177.266	4817460.314
A4_OVERFLOW	562656.581	4817108.27
B1_OVERFLOW	562678.764	4818207.971
B2_OVERFLOW	562673.166	4817976.317
C1_OVERFLOW	562759.524	4816755.468

```
D1_OVERFLOW      562698.966       4815253.29
D2_OVERFLOW      562471.201       4815795.315
D3_OVERFLOW      562116.578       4815374.381
D4_OVERFLOW      562190.189       4816228.26
E1_OVERFLOW      561769.428       4817078.165
E2_OVERFLOW      561644.706       4817137.04
HanlonCreek      560353.668       4817173.217
S_A1             563796.122       4818592.338
S_A2             564205.531       4818312.731
S_A3             564036.065       4817417.223
S_A4             562617.333       4817058.883
S_B1             562661.083       4818230.094
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[VERTICES]
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A3	564651.774	4817380.151
A3	564651.884	4817380.105
A3	564658.067	4817377.529
A3	564660.194	4817377.251
A3	564664.098	4817376.742
A3	564668.818	4817375.955
A3	564670.03	4817375.248
A3	564673.864	4817370.829

A3	564675.165	4817370.179
A3	564677.134	4817365.599
A3	564677.784	4817363.639
A3	564682.363	4817359.059
A3	564683.014	4817353.169
A3	564686.945	4817352.519
A3	564689.554	4817355.129
A3	564693.484	4817356.439
A3	564696.754	4817357.1
A3	564702.644	4817357.749
A3	564711.794	4817357.1
A3	564712.182	4817356.906
A3	564714.414	4817355.788
A3	564717.764	4817354.109
A3	564718.334	4817353.829
A3	564718.434	4817353.438
A3	564718.994	4817351.209
A3	564718.498	4817350.59
A3	564716.434	4817348.019
A3	564715.994	4817347.93
A3	564713.774	4817346.338
A3	564710.584	4817344.109
A3	564708.994	4817341.889
A3	564708.364	4817339.019
A3	564709.634	4817336.799
A3	564712.364	4817335.949
A3	564713.074	4817335.719
A3	564714.724	4817335.209
A3	564719.495	4817336.159
A3	564722.674	4817337.429
A3	564728.714	4817337.749
A3	564734.124	4817338.069
A3	564738.264	4817338.069
A3	564743.321	4817338.069
A3	564743.984	4817338.069
A3	564747.484	4817338.708
A3	564748.656	4817338.708
A3	564749.334	4817338.539
A3	564770.333	4817334.539
A3	564773.874	4817334.179
A3	564776.744	4817333.299

A3	564778.883	4817331.874
A3	564780.8	4817330.597
A3	564783.425	4817328.849
A3	564785.182	4817327.091
A3	564787.884	4817324.389
A3	564792.197	4817320.889
A3	564792.974	4817320.259
A3	564797.104	4817316.439
A3	564797.893	4817315.087
A3	564799.334	4817312.62
A3	564800.284	4817309.439
A3	564801.874	4817304.989
A3	564802.514	4817301.169
A3	564802.833	4817297.04
A3	564803.464	4817293.539
A3	564804.104	4817290.039
A3	564805.373	4817284.629
A3	564806.404	4817280.529
A3	564806.635	4817277.959
A3	564807.944	4817272.72
A3	564809.904	4817268.139
A3	564811.214	4817264.869
A3	564813.334	4817263.179
A3	564815.344	4817262.329
A3	564817.489	4817261.684
A3	564818.404	4817261.599
A3	564822.984	4817258.989
A3	564833.454	4817255.719
A3	564839.334	4817254.409
A3	564844.415	4817253.626
A3	564847.834	4817253.099
A3	564848.989	4817252.79
A3	564849.334	4817252.539
A3	564869.334	4817245.539
A3	564877.449	4817244.257
A3	564883.651	4817241.405
A3	564883.794	4817241.339
A3	564887.764	4817239.219
A3	564894.114	4817236.049
A3	564899.934	4817233.669
A3	564903.904	4817232.349

A3	564909.194	4817229.959
A3	564914.484	4817228.379
A3	564919.253	4817227.319
A3	564921.634	4817226.529
A3	564926.654	4817225.47
A3	564932.214	4817223.089
A3	564936.974	4817220.969
A3	564939.354	4817219.119
A3	564942.004	4817215.409
A3	564943.594	4817213.299
A3	564945.704	4817210.119
A3	564947.034	4817207.739
A3	564950.474	4817203.769
A3	564954.174	4817198.74
A3	564955.764	4817196.359
A3	564958.404	4817193.189
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A3	564962.904	4817185.779
A3	564963.963	4817182.339
A3	564964.224	4817179.159
A3	564963.963	4817177.309
A3	564963.884	4817176.473
A3	564963.844	4817176.079
A3	564963.704	4817174.669
A3	564963.434	4817173.08
A3	564962.644	4817170.43
A3	564961.845	4817168.849
A3	564960.524	4817167.258
A3	564959.465	4817166.199
A3	564957.614	4817165.139
A3	564952.054	4817164.349
A3	564948.094	4817163.818
A3	564943.064	4817163.289
A3	564940.944	4817163.029
A3	564937.774	4817162.229
A3	564935.654	4817161.97
A3	564933.804	4817160.379
A3	564930.894	4817159.589
A3	564927.713	4817158.789
A3	564924.274	4817158.259
A3	564923.835	4817158.128

A3	564921.634	4817157.469
A3	564920.504	4817157.469
A3	564910.334	4817151.539
A3	564900.334	4817148.539
A3	564891.335	4817148.539
A3	564887.474	4817148.829
A3	564886.174	4817149.269
A3	564883.794	4817149.529
A3	564878.234	4817151.379
A3	564875.595	4817151.65
A3	564872.414	4817152.439
A3	564870.304	4817152.969
A3	564868.454	4817152.969
A3	564865.534	4817153.239
A3	564862.894	4817153.239
A3	564860.514	4817153.498
A3	564858.394	4817152.969
A3	564856.274	4817152.708
A3	564854.694	4817152.439
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A3	564845.694	4817147.149
A3	564843.844	4817144.769
A3	564842.884	4817142.279
A3	564836.334	4817138.539
A3	564818.334	4817126.539
A3	564806.778	4817117.545
A3	564800.334	4817112.529
A3	564784.334	4817098.529
A3	564772.334	4817086.529
A3	564764.334	4817075.53
A3	564755.325	4817061.507
A3	564750.335	4817050.53
A3	564747.335	4817043.529
A3	564746.712	4817042.906
A3	564742.335	4817038.53
A3	564740.114	4817038.529
A3	564738.075	4817036.83
A3	564724.824	4817025.789
A3	564714.244	4817025.789
A3	564698.364	4817039.019

A3	564682.494	4817052.249
A3	564666.614	4817068.119
A3	564642.804	4817086.639
A3	564623.699	4817101.34
A3	564620.334	4817103.929
A3	564617.334	4817104.529
A3	564601.336	4817107.529
A3	564583.334	4817112.529
A3	564574.639	4817113.109
A3	564569.554	4817116.049
A3	564561.683	4817117.479
A3	564555.244	4817116.759
A3	564544.504	4817115.329
A3	564539.702	4817113.528
A3	564538.784	4817113.179
A3	564532.01	4817111.828
A3	564531.623	4817111.75
A3	564527.324	4817110.319
A3	564519.454	4817106.739
A3	564510.144	4817107.459
A3	564500.844	4817108.889
A3	564490.825	4817110.319
A3	564485.814	4817110.319
A3	564485.646	4817110.383
A3	564482.765	4817111.489
A3	564476.504	4817113.899
A3	564470.064	4817115.329
A3	564460.754	4817118.188
A3	564446.444	4817117.479
A3	564437.854	4817116.049
A3	564429.264	4817115.329
A3	564424.974	4817112.469
A3	564421.394	4817108.169
A3	564415.664	4817103.159
A3	564412.804	4817098.15
A3	564412.084	4817093.139
A3	564412.084	4817085.979
A3	564412.804	4817078.109
A3	564412.835	4817077.752
A3	564412.884	4817077.209
A3	564413.514	4817070.239

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A3                564415.664       4817061.65
A3                564418.524       4817048.76
A3                564415.664       4817043.039
A3                564407.074       4817035.879
A3                564404.214       4817030.149
A3                564399.204       4817022.999
A3                564396.334       4817015.119
A3                564391.324       4817009.399
A3                564390.354       4817008.279
A3                564389.316       4817007.095
A3                564386.314       4817003.669
A3                564384.162       4817000.224
;Part2: A3
A3                564785.433       4817246.268
A3                564789.865       4817246.547
A3                564792.355       4817246.268
A3                564791.805       4817247.377
A3                564790.422       4817249.038
A3                564787.374       4817251.251
A3                564785.154       4817252.909
A3                564781.555       4817255.129
A3                564781.238       4817255.169
A3                564779.343       4817255.408
A3                564777.682       4817254.851
A3                564774.912       4817252.911
A3                564772.973       4817251.529
A3                564770.482       4817251.251
A3                564768.083       4817251.492
A3                564767.712       4817251.529
A3                564765.773       4817251.251
A3                564762.726       4817249.868
A3                564761.896       4817247.65
A3                564760.513       4817245.16
A3                564759.125       4817243.498
A3                564756.912       4817242.111
A3                564755.804       4817240.177
A3                564755.693       4817239.625
A3                564755.244       4817237.41
A3                564754.143       4817234.638
A3                564753.575       4817233.162
A3                564752.755       4817231.037
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A3	564753.864	4817229.098
A3	564756.355	4817226.88
A3	564758.294	4817224.666
A3	564759.684	4817220.239
A3	564759.955	4817216.357
A3	564760.234	4817211.097
A3	564761.617	4817206.667
A3	564763.003	4817203.619
A3	564765.495	4817202.511
A3	564770.482	4817201.128
A3	564773.804	4817203.341
A3	564778.234	4817205.28
A3	564781.282	4817208.049
A3	564781.834	4817212.201
A3	564781.834	4817216.632
A3	564781.004	4817221.067
A3	564781.003	4817224.941
A3	564780.174	4817229.098
A3	564780.174	4817232.971
A3	564781.247	4817235.122
A3	564781.555	4817235.741
A3	564781.556	4817239.341
A3	564781.432	4817240.089
A3	564781.282	4817241.008
A3	564781.428	4817242.335
A3	564781.556	4817243.498
A3	564783.773	4817245.437
A3	564785.433	4817246.268
A3.1	563865.573	4817838.43
A3.1	563867.305	4817845.87
A3.1	563877.062	4817855.151
A3.1	563858.384	4817878.243
A3.1	563874.345	4817911.524
A3.1	563935.019	4817975.878
A3.1	564126.048	4818121.548
A3.1	564131.385	4818116.469
A3.1	564138.243	4818109.94
A3.1	564138.581	4818109.618
A3.1	564145.101	4818103.411
A3.1	564151.961	4818096.882
A3.1	564159.324	4818089.872

A3.1	564168.493	4818081.145
A3.1	564172.75	4818077.092
A3.1	564180.766	4818069.461
A3.1	564187.506	4818063.045
A3.1	564191.701	4818053.329
A3.1	564200.387	4818033.205
A3.1	564204.532	4818023.603
A3.1	564199.986	4818006.941
A3.1	564198.012	4817999.707
A3.1	564189.429	4817990.761
A3.1	564177.556	4817978.386
A3.1	564170.265	4817970.788
A3.1	564162.975	4817963.189
A3.1	564155.684	4817955.59
A3.1	564148.394	4817947.992
A3.1	564141.103	4817940.393
A3.1	564133.812	4817932.794
A3.1	564126.522	4817925.196
A3.1	564119.231	4817917.597
A3.1	564111.941	4817909.999
A3.1	564105.345	4817903.124
A3.1	564098.748	4817896.249
A3.1	564092.152	4817889.374
A3.1	564085.556	4817882.499
A3.1	564078.96	4817875.624
A3.1	564072.364	4817868.749
A3.1	564065.767	4817861.874
A3.1	564059.171	4817854.999
A3.1	564052.575	4817848.124
A3.1	564045.978	4817841.25
A3.1	564039.73	4817834.737
A3.1	564033.481	4817828.224
A3.1	564027.232	4817821.711
A3.1	564020.982	4817815.198
A3.1	564014.734	4817808.684
A3.1	564008.485	4817802.171
A3.1	564002.236	4817795.658
A3.1	563993.209	4817786.251
A3.1	563980.6	4817773.109
A3.1	563965.391	4817757.257
A3.1	563959.735	4817759.832

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A3.1             563937.518       4817769.943
A3.1             563921.732       4817784.971
A3.1             563906.67        4817799.309
A3.1             563887.369       4817817.682
A3.1             563879.25        4817825.41
A3.1             563865.573       4817838.43
;Part2: A3.1
A3.1             563808.608       4817593.851
A3.1             563836.711       4817714.511
A3.1             563900.795       4817689.932
A3.1             563833.082       4817619.358
A3.1             563808.608       4817593.851
......
Too many subcatchment entities (247 in total).

[SYMBOLS]
;;Gage           X-Coord          Y-Coord
;;-------------- ---------------- ----------------
```

H.02 Input for PCSWMM for Scenario 2

```
[TITLE]
Removal of Forests

[OPTIONS]
;;Options            Value
;;------------------ ------------
FLOW_UNITS           CMS
INFILTRATION         GREEN_AMPT
FLOW_ROUTING         DYNWAVE
LINK_OFFSETS         ELEVATION
MIN_SLOPE            0
ALLOW_PONDING        NO
SKIP_STEADY_STATE    NO

START_DATE           09/01/2021
START_TIME           00:00:00
REPORT_START_DATE    09/01/2021
REPORT_START_TIME    00:00:00
END_DATE             09/04/2021
END_TIME             00:00:00
SWEEP_START          01/01
SWEEP_END            12/31
DRY_DAYS             0
REPORT_STEP          00:05:00
WET_STEP             00:05:00
DRY_STEP             00:15:00
ROUTING_STEP         1
RULE_STEP            00:00:00

INERTIAL_DAMPING     PARTIAL
NORMAL_FLOW_LIMITED  BOTH
FORCE_MAIN_EQUATION  H-W
VARIABLE_STEP        0.75
LENGTHENING_STEP     1
MIN_SURFAREA         0
MAX_TRIALS           8
HEAD_TOLERANCE       0.0015
SYS_FLOW_TOL         5
LAT_FLOW_TOL         5
MINIMUM_STEP         0.5
THREADS              4
```

```
[EVAPORATION]
;;Type          Parameters
;;------------- ----------
MONTHLY          0.0    0.0    0.0    1.06   2.48   3.6    4.13   3.61   2.43   1.19   0.3    0.0
DRY_ONLY         NO

[RAINGAGES]
;;                     Rain      Time     Snow     Data
;;Name                 Type      Intrvl   Catch    Source
;;-------------------- --------- -------- -------- ----------
AES12hour_100year      INTENSITY 0:15     1.0      TIMESERIES AES12hour_100yr
AES6hour_100year       INTENSITY 0:15     1.0      TIMESERIES AES6hour_100yr
CC_AES12hour_100year   INTENSITY 0:15     1.0      TIMESERIES CC_AES12hour_100yr
DSGauge                INTENSITY 0:05     1.0      TIMESERIES Guelph100Y
Hurricane_Hazel_(0-25) INTENSITY 01:00    1.0      TIMESERIES Hurricane_Hazel_(0-25)

[SUBCATCHMENTS]
;;                                                 Total    Pcnt.             Pcnt.    Curb     Snow
;;Name           Raingage         Outlet           Area     Imperv   Width    Slope    Length   Pack
;;-------------- ---------------- ---------------- -------- -------- -------- -------- -------- --------
A1               AES12hour_100year 14              8.37858  5        577.833  1.159    0
A1.1             AES12hour_100year 1               42.8127  31       4281.27  2.55     0
A1.1_FRST        AES12hour_100year 1               3.63836  31       382.985  2.55     0
A2               AES12hour_100year 20              11.49151 5        675.971  0.876    0
A2.1             AES12hour_100year 3               12.9012  20       1290.12  4.465    0
;05
A2.1_FRST        AES12hour_100year 3               3.27903  20       364.337  4.465    0
A2.2             AES12hour_100year 3               8.44264  34       844.264  5.546    0
A2.2_FRST        AES12hour_100year 3               2.22057  34       296.076  5.546    0
;01
A3               AES12hour_100year 28              56.7748  5        1494.074 0.876    0
A3.1             AES12hour_100year 6               6.44601  22       644.601  4.32     0
A3.1_FRST        AES12hour_100year 6               13.18801 22       1318.801 4.32     0
A3.2             AES12hour_100year 6               32.32076 36       3232.076 3.055    0
A3.2_FRST        AES12hour_100year 6               7.39984  36       739.984  3.055    0
A3.3             AES12hour_100year 28              70.21898 23       7021.898 1.831    0
A3.3_FRST        AES12hour_100year 28              17.13255 23       1713.255 1.831    0
;02
A4               AES12hour_100year 7               100.51695 5       2010.339 1.409    0
A4.1             AES12hour_100year 9               1.02924  20       205.848  12.11    0
```

```
A4.1_FRST        AES12hour_100year 9              5.52575  20       1105.15  12.11    0
A4.2             AES12hour_100year 8              9.80983  29       980.983  3.264    0
A4.2_FRST        AES12hour_100year 8              16.15059 29       1615.059 3.264    0
A4.3             AES12hour_100year 8              46.96537 61       4696.537 6.754    0
A4.3_FRST        AES12hour_100year 8              8.10956  61       810.956  6.754    0
A4.4_FRST        AES12hour_100year 7              18.6402  27       1864.02  2.341    0
A4.5             AES12hour_100year 2              108.8003 29       10880.03 2.616    0
A4.5_FRST        AES12hour_100year 2              15.02335 29       1502.335 2.616    0
A4.6             AES12hour_100year 2              148.9709 52       14897.09 3.51     0
A4.6_FRST        AES12hour_100year 2              60.75746 52       6075.746 3.51     0
B1               AES12hour_100year 37             3.0847   5        342.744  1.624    0
B1.1             AES12hour_100year 4              0.99721  20       199.442  3.723    0
;06
B1.1_FRST        AES12hour_100year 4              3.70213  20       740.426  3.723    0
;03
B2               AES12hour_100year 42             2.9118   5        342.565  0.832    0
B2.1             AES12hour_100year 18             6.4804   11       648.04   8.395    0
B2.1_FRST        AES12hour_100year 18             8.06289  11       806.289  8.395    0
C1               AES12hour_100year 40             3.1551   5        350.567  1.284    0
C1.1             AES12hour_100year 40             123.3055 61       12330.55 2.612    0
C1.1_FRST        AES12hour_100year 40             2.78849  61       328.058  2.612    0
D1               AES12hour_100year 48             13.15501 5        711.082  0.84     0
D1.1             AES12hour_100year 27             119.81733 61      11981.733 2.621   0
;07
D1.1_FRST        AES12hour_100year 27             30.3332  61       3033.32  2.621    0
D2               AES12hour_100year 21             17.56726 5        836.536  0.804    0
D2.1             AES12hour_100year 21             52.2425  54       5224.25  1.309    0
D2.1_FRST        AES12hour_100year 21             19.03354 54       1903.354 1.309    0
D3               AES12hour_100year 49             5.6119   5        467.658  0.585    0
D3.1             AES12hour_100year 49             36.10892 60       3610.892 4.474    0
;04
D4               AES12hour_100year 50             3.51993  5        370.519  1.366    0
D4.1             AES12hour_100year 50             23.40875 53       2340.875 1.568    0
D4.1_FRST        AES12hour_100year 50             13.64864 53       1364.864 1.568    0
E1               AES12hour_100year 53             2.92807  5        344.479  1.111    0
E1.1             AES12hour_100year 53             18.00759 23       1800.759 3.079    0
;08
E1.1_FRST        AES12hour_100year 53             32.85577 23       3285.577 3.079    0
E2               AES12hour_100year 54             0.78579  5        174.62   2.898    0
E2.1             AES12hour_100year 54             9.27285  19       927.285  4.9      0
E2.1_FRST        AES12hour_100year 54             0.87158  19       174.316  4.9      0
```

E3	AES12hour_100year	56	14.02097	5	737.946	2.707	0
E3.1	AES12hour_100year	56	22.8162	22	2281.62	12.425	0
E3.1_FRST	AES12hour_100year	56	13.0633	22	1306.33	12.425	0
HC01-01	AES12hour_100year	PWOPRMHS0001937	6.22	28.7	1269.388	3.5	0
HC01-02	AES12hour_100year	PWOPRMHS0001695	2.27	24.8	504.444	4.2	0
HC01-03	AES12hour_100year	PWOPRMHS0001925	1.2	24.8	173.913	7.1	0
HC01-04	AES12hour_100year	SWMPOND	2.49	19.4	415	4.2	0
HC01-05	AES12hour_100year	PWOPRMHS0001939	2.5	24.8	500	6.3	0
HC01-06	AES12hour_100year	PWOPRMHS0001928	1.32	24.8	197.015	6.7	0
HC01-07	AES12hour_100year	PWOPRMHS0001944	0.7	24.8	159.091	0.8	0
HC01-08	AES12hour_100year	PWOPRMHS0001930	0.52	24.8	70.27	10	0
HC01-09	AES12hour_100year	PWOPRMHS0001947	0.66	24.8	160.976	1.3	0
HC01-10	AES12hour_100year	PWOPRMHS0001929	1.14	24.8	156.164	7.8	0
HC01-11	AES12hour_100year	PWOPRMHS0001933	1.39	24.8	217.187	3.3	0
HC01-12	AES12hour_100year	PWOPRMHS0001943	3.1	24.8	720.93	3.9	0
HC02-01	AES12hour_100year	PWOPRMHS0001622	0.37	37.3	115.625	0.9	0
HC02-02	AES12hour_100year	PWOPRMHS0001413	2.17	50.4	678.125	0.4	0
HC02-03	AES12hour_100year	PWOPRMHS0001412	0.19	43.2	59.375	0.8	0
HC02-04	AES12hour_100year	PWOPRMHS0001411	0.41	29.2	128.125	5	0
HC02-05	AES12hour_100year	PWOPRMHS0001764	2.96	14.8	925	2.6	0
HC02-06	AES12hour_100year	PWOPRMHS0001768	1.79	15.2	577.419	1.4	0
HC02-07	AES12hour_100year	PWOPRMHS0001767	0.78	12.8	243.75	0.6	0
HC02-08	AES12hour_100year	PWOPRMHS0001409	1.26	11.6	393.75	1.4	0
HC02-09	AES12hour_100year	PWOPRMHS0001410	0.87	13.6	263.636	0.5	0
HC02-10	AES12hour_100year	PWOPRMHS0001634	0.94	12.4	293.75	0.8	0
HC02-11	AES12hour_100year	PWOPRMHS0001791	1.49	13.6	465.625	1	0
HC02-12	AES12hour_100year	PWOPRMHS0001797	2.15	12.4	651.515	0.3	0
HC02-13	AES12hour_100year	PWOPRMHS0001792	0.84	11.6	262.5	0.6	0
HC02-14	AES12hour_100year	PWOPRMHS0001836	0.92	12	270.588	1.1	0
HC02-15	AES12hour_100year	PWOPRMHS0001788	1.6	13.2	470.588	2.5	0
HC02-16	AES12hour_100year	PWOPRMHS0001403	0.51	14	150	2.5	0
HC02-17	AES12hour_100year	PWOPRMHS0001403	2.36	13.2	715.152	1.1	0
HC02-18	AES12hour_100year	PWOPRMHS0001433	3.83	14	1160.606	3.3	0
HC02-19	AES12hour_100year	PWOPRMHS0001418	1.52	14.4	460.606	0.1	0
HC02-20	AES12hour_100year	PWOPRMHS0001804	0.44	35.2	275	1.3	0
HC02-21	AES12hour_100year	PWOPRMHS0001903	3.51	14.4	1002.857	0.9	0
HC02-22	AES12hour_100year	PWOPRMHS0001914	2.97	14.4	900	0.8	0
HC02-23	AES12hour_100year	PWOPRMHS0001858	0.4	42.8	160	1.1	0
HC02-24	AES12hour_100year	PWOPRMHS0001915	0.07	58.4	58.333	1.8	0
HC02-25	AES12hour_100year	PWOPRMHS0001916	1.13	45.9	513.636	2.9	0
HC02-26	AES12hour_100year	PWOPRMHS0001855	0.34	54.8	170	4.8	0

HC02-27	AES12hour_100year	PWOPRMHS0001857	0.75	18	227.273	5.1	0
HC02-28	AES12hour_100year	PWOPRMHS0001436	0.57	18	172.727	2.8	0
HC02-29	AES12hour_100year	PWOPRMHS0001435	0.53	40	160.606	0.9	0
HC02-30	AES12hour_100year	PWOPRMHS0001918	1.48	1.2	462.5	0.3	0
HC02-31	AES12hour_100year	PWOPRMHS0001908	2.42	15.2	711.765	1.8	0
HC02-32	AES12hour_100year	PWOPRMHS0001917	2.15	14.4	632.353	3.2	0
HC02-33	AES12hour_100year	PWOPRMHS0001917	0.83	15.2	244.118	0.5	0
HC02-34	AES12hour_100year	PWOPRMHS0001906	0.3	26	88.235	4.5	0
HC02-35	AES12hour_100year	PWOPRMHS0001912	1	1.6	333.333	0.8	0
HC02-36	AES12hour_100year	MHSWM4	0.44	5.6	440	2.1	0
HC02-37	AES12hour_100year	PWOPRMHS0001912	1.01	5.2	480.952	2.2	0
HC02-38	AES12hour_100year	PWOPRMHS0001765	3.11	13.6	914.706	0.5	0
HC02-39	AES12hour_100year	PWOPRMHS0001867	0.88	11.6	266.667	0.1	0
HC03-01	AES12hour_100year	PWOPRMHS0001626	2.24	32	1066.667	0.4	0
HC03-02	AES12hour_100year	PWOPRMHS0001625	0.8	15.2	258.065	3.1	0
HC03-03	AES12hour_100year	PWOPRMHS0001651	0.13	18.8	76.471	5.3	0
HC03-04	AES12hour_100year	PWOPRMHS0001655	1.03	18.8	343.333	2	0
HC03-05	AES12hour_100year	PWOPRMHS0001649	0.33	36.8	173.684	2.3	0
HC03-06	AES12hour_100year	PWOPRMHS0001659	5.16	13.8	1563.636	3.3	0
HC03-07	AES12hour_100year	PWOPRMHS0001658	1.81	15.2	583.871	1.5	0
HC03-08	AES12hour_100year	PWOPRMHS0002082	4.36	15.5	1321.212	3.5	0
HC03-09	AES12hour_100year	PWOPRMHS0002085	1.94	23.3	485	1.3	0
HC03-10	AES12hour_100year	PWOPRMHS0002084	1.69	12	512.121	1.9	0
HC03-11	AES12hour_100year	PWOPRMHS0002080	2.51	16.5	627.5	2.8	0
HC03-12	AES12hour_100year	PWOPRMHS0001891	1.18	14	357.576	0.3	0
HC03-13	AES12hour_100year	PWOPRMHS0001889	0.38	18.8	180.952	0.8	0
HC03-14	AES12hour_100year	PWOPRMHS0001890	0.13	58.4	56.522	0.7	0
HC03-15	AES12hour_100year	PWOPRMHS0001894	0.62	13.6	187.879	1.6	0
HC03-16	AES12hour_100year	PWOPRMHS0001660	0.31	21.2	100	1.1	0
HC03-17	AES12hour_100year	PWOPRMHS0001657	0.12	36.8	75	2.2	0
HC03-18	AES12hour_100year	PWOPRMHS0001663	0.1	64	100	0.4	0
HC03-19	AES12hour_100year	PWOPRMHS0001661B	7.88	8.4	3940	3.5	0
HC03-20	AES12hour_100year	PWOPRMHS0001662	1.5	2.4	500	0.6	0
HC04-01	AES12hour_100year	PWOPRMHS0002042	3.59	18	897.5	0.6	0
HC04-02	AES12hour_100year	PWOPRMHS0001874	0.66	13.9	200	1.5	0
HC04-03	AES12hour_100year	PWOPRMHS0001739	1.2	14.9	363.636	1	0
HC04-04	AES12hour_100year	PWOPRMHS0002041	5.28	18	812.308	1.1	0
HC04-05	AES12hour_100year	PWOPRMHS0001741	0.62	17.6	182.353	2.6	0
HC04-06	AES12hour_100year	PWOPRMHS0002051	1.07	17.6	324.242	0.6	0
HC04-07	AES12hour_100year	PWOPRMHS0001745	0.09	38.4	81.818	0.1	0
HC04-08	AES12hour_100year	PWOPRMHS0001746	0.34	15.5	79.07	1.5	0

HC04-09	AES12hour_100year	PWOPRMHS0001692	0.53	17.6	147.222	1	0
HC04-10	AES12hour_100year	PWOPRMHS0001743	0.62	17.6	177.143	0.6	0
HC04-11	AES12hour_100year	PWOPRMHS0001691	0.91	16.7	325	1.6	0
HC04-12	AES12hour_100year	PWOPRMHS0001919	2.2	13.2	687.5	0.7	0
HC04-13	AES12hour_100year	PWOPRMHS0001690	0.3	15.2	115.385	0.6	0
HC04-14	AES12hour_100year	PWOPRMHS0002095	2.79	14	734.211	0.3	0
HC04-15	AES12hour_100year	PWOPRMHS0003153	3.91	14	1221.875	0.8	0
HC04-16	AES12hour_100year	PWOPRMHS0001680	0.46	15.2	153.333	1	0
HC04-17	AES12hour_100year	PWOPRMHS0003160	2.26	17.6	904	0.9	0
HC04-18	AES12hour_100year	PWOPRMHS0003146	0.26	21.1	173.333	0.1	0
HC04-19	AES12hour_100year	PWOPRMHS0003149	1.3	12	361.111	1.5	0
HC04-20	AES12hour_100year	PWOPRMHS0003137	0.56	12	169.697	2.4	0
HC04-21	AES12hour_100year	PWOPRMHS0003136	0.15	17.2	75	1.2	0
HC04-22	AES12hour_100year	PWOPRMHS0001686	0.23	19.2	104.545	0.8	0
HC04-23	AES12hour_100year	PWOPRMHS0002046	0.56	17.6	329.412	2.4	0
HC04-24	AES12hour_100year	PWOPRMHS0001686	0.13	14.4	40.625	5	0
HC04-25	AES12hour_100year	PWOPRMHS0001682	0.78	13.6	236.364	1.5	0
HC04-26	AES12hour_100year	PWOPRMHS0001689	0.74	12.8	194.737	0.1	0
HC04-27	AES12hour_100year	PWOPRMHS0001705	0.36	10.8	109.091	1.4	0
HC04-28	AES12hour_100year	PWOPRMHS0001705	0.73	15.2	192.105	1.4	0
HC04-29	AES12hour_100year	PWOPRMHS0001706	3.62	13.6	1096.97	1.1	0
HC04-30	AES12hour_100year	PWOPRMHS0001678	1.94	14	554.286	1.5	0
HC04-31	AES12hour_100year	PWOPRMHS0001677	0.48	28	200	0.6	0
HC04-32	AES12hour_100year	PWOPRMHS0001676	0.34	15.2	97.143	0.8	0
HC04-33	AES12hour_100year	PWOPRMHS0001713	1.13	13.6	452	0.7	0
HC04-34	AES12hour_100year	37	1.55	5.6	620	0.6	0
HC04-35	AES12hour_100year	PWOPRMHS0001688	0.49	13.6	122.5	1.2	0
HC04-36	AES12hour_100year	PWOPRMHS0002050	2.93	32.5	1085.185	2.4	0
HC05-01	AES12hour_100year	PWOPRMHS0005188	5.99	12	1711.429	3.8	0
HC05-02	AES12hour_100year	PWOPRMHS0005196	3.23	12.4	769.048	3.2	0
HC05-03	AES12hour_100year	PWOPRMHS0005183	0.11	76	110	2.7	0
HC05-04	AES12hour_100year	PWOPRMHS0005181	0.49	11.2	175	1.1	0
HC05-05	AES12hour_100year	PWOPRMHS0005179	0.92	15	224.39	0.5	0
HC05-06	AES12hour_100year	PWOPRMHS0005223	0.42	16.8	140	1.6	0
HC05-07	AES12hour_100year	PWOPRMHS0005226	0.73	13.2	208.571	1.4	0
HC05-08	AES12hour_100year	PWOPRMHS0005231	2.2	13.6	628.571	0.9	0
HC05-09	AES12hour_100year	PWOPRMHS0005229	0.27	13.2	108	0.1	0
HC05-10	AES12hour_100year	PWOPRMHS0005230	0.35	17.6	250	1.4	0
HC05-11	AES12hour_100year	24	3.17	5.2	1509.524	1.5	0
HC06-01	AES12hour_100year	PWOPRMHS0005009	0.32	15.2	160	0.5	0
HC06-02	AES12hour_100year	PWOPRMHS0005008	0.65	14.8	216.667	0.3	0

HC06-03	AES12hour_100year	PWOPRMHS0005012	1.49	0	175.294	0.6	0
HC06-04	AES12hour_100year	PWOPRMHS0005011	1.11	0.4	584.211	0.1	0
HC06-05	AES12hour_100year	PWOPRMHS0004137	0.35	10.8	109.375	1.1	0
HC06-06	AES12hour_100year	PWOPRMHS0004135	1.57	12.8	402.564	2.7	0
HC06-07	AES12hour_100year	PWOPRMHS0004133	0.4	11.2	117.647	5.9	0
HC06-08	AES12hour_100year	PWOPRMHS0004201	4.15	14.4	1383.333	2.9	0
HC06-09	AES12hour_100year	PWOPRMHS0004159	2.61	13	1044	3.2	0
HC06-10	AES12hour_100year	PWOPRMHS0004129	2.4	12.8	705.882	2.9	0
HC06-11	AES12hour_100year	PWOPRMHS0004130	0.22	17.6	157.143	0.6	0
HC06-12	AES12hour_100year	PWOPRMHS0004131	0.2	24.8	133.333	0.7	0
HC06-13	AES12hour_100year	PWOPRMHS0004132	0.28	51.2	93.333	3.7	0
HC06-14	AES12hour_100year	PWOPRMHS0004143	1.81	23	786.957	0.4	0
HC06-15	AES12hour_100year	PWOPRMHS0005178	0.12	80	120	0.3	0
HC06-16	AES12hour_100year	PWOPRMHS0004142	0.28	67	121.739	1.1	0
HC06-17	AES12hour_100year	PWOPRMHS0004142	1.54	22	550	0.4	0
HC06-18	AES12hour_100year	PWOPRMHS0005001	2.66	55.4	1209.091	0.4	0
HC06-19	AES12hour_100year	PWOPRMHS0004999	0.03	80	30	2.5	0
HC06-20	AES12hour_100year	PWOPRMHS0005000	0.21	80	210	0.4	0
HC06-21	AES12hour_100year	PWOPRMHS0001598	1.27	67	317.5	0.1	0
HC06-22	AES12hour_100year	PWOPRMHS0004998	0.06	80	60	1.6	0
HC06-23	AES12hour_100year	PWOPRMHS0001601	1.5	70	357.143	0.4	0
HC06-24	AES12hour_100year	PWOPRMHS0001602	0.12	80	120	0.9	0
HC06-25	AES12hour_100year	PWOPRMHS0001600	3.35	17.6	1046.875	3.8	0
HC06-26	AES12hour_100year	PWOPRMHS0001605	2.64	25.6	880	0.5	0
HC06-27	AES12hour_100year	PWOPRMHS0001603	0.16	76	160	0.6	0
HC06-28	AES12hour_100year	PWOPRMHS0001604	0.2	80	50	0.5	0
HC06-29	AES12hour_100year	PWOPRMHS0001606	1.24	8	364.706	0.6	0
HC06-30	AES12hour_100year	PWOPRMHS0001670	0.33	48	100	1.5	0
HC06-31	AES12hour_100year	42	1.81	1.6	754.167	1.8	0
HC06-32	AES12hour_100year	PWOPRMHS0005003	1.35	5.2	421.875	0.4	0
HC07-01	AES12hour_100year	PWOPRMHS0001697	3.02	17.2	915.152	0.2	0
HC07-02	AES12hour_100year	PWOPRMHS0001733	1.15	18.8	396.552	0.5	0
HC07-03	AES12hour_100year	PWOPRMHS0001736	0.37	15.2	246.667	0.6	0
HC07-04	AES12hour_100year	PWOPRMHS0001878	0.34	11.6	100	0.8	0
HC07-05	AES12hour_100year	PWOPRMHS0001614	0.29	15.2	85.294	0.1	0
HC07-06	AES12hour_100year	PWOPRMHS0001881	2.06	14	515	0.3	0
HC07-07	AES12hour_100year	PWOPRMHS0001643	0.38	14	95	1	0
HC07-08	AES12hour_100year	PWOPRMHS0001642	0.19	57.6	47.5	0.1	0
HC07-09	AES12hour_100year	PWOPRMHS0001611	0.25	17.6	92.593	3.3	0
HC08-01	AES12hour_100year	PWOPRMHS0005908	0.69	17.2	222.581	0.7	0
HC08-02	AES12hour_100year	PWOPRMHS0005909	2.32	18.8	644.444	0.5	0

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HC08-03          AES12hour_100year PWOPRMHS0005924 2        15.2     588.235  0.4      0
HC08-04          AES12hour_100year PWOPRMHS0005926 0.69     11.6     143.75   0.6      0
HC08-05          AES12hour_100year PWOPRMHS0005927 0.65     15.2     191.176  1.1      0
HC08-06          AES12hour_100year PWOPRMHS0005932 1.18     14       310.526  1        0
HC08-07          AES12hour_100year PWOPRMHS0005944 0.55     14       134.146  1.4      0
HC08-08          AES12hour_100year PWOPRMHS0005931 0.41     57.6     215.789  0.4      0
HC08-09          AES12hour_100year PWOPRMHS0005946 1.78     17.6     508.571  0.5      0
HC08-10          AES12hour_100year PWOPRMHS0005930 1.32     1.6      660      1.4      0
HC09-01          AES12hour_100year PWOPRMHS0001390 0.95     20       237.5    0.3      0
HC09-02          AES12hour_100year PWOPRMHS0001392 1.03     14       302.941  1        0
HC09-03          AES12hour_100year PWOPRMHS0001402 0.97     15.2     269.444  0.6      0
HC09-04          AES12hour_100year PWOPRMHS0001395 2.54     11.2     819.355  0.9      0
HC09-05          AES12hour_100year PWOPRMHS0001398 2.6      12.4     702.703  1.3      0
HC09-06          AES12hour_100year PWOPRMHS0001401 1.23     12       476.744  0.7      0
HC09-07          AES12hour_100year 36               0.48     8        266.667  0.3      0
HC10-01          AES12hour_100year PWOPRMHS0001408 4.47     12.3     1064.286 1.7      0
HC10-02          AES12hour_100year PWOPRMHS0001467 2.53     28.3     527.083  1.3      0
HC10-03          AES12hour_100year PWOPRMHS0001393 1.86     26.9     422.727  0.4      0
HC10-04          AES12hour_100year PWOPRMHS0001424 1.84     15.5     418.182  2.8      0
HC10-05          AES12hour_100year PWOPRMHS0001389 2.41     14.2     535.556  0.5      0
HC10-06          AES12hour_100year PWOPRMHS0001388 1.33     12.4     369.444  0.6      0
HC10-07          AES12hour_100year PWOPRMHS0001429 1.71     16.5     488.571  1.2      0
HC10-08          AES12hour_100year PWOPRMHS0001371 1.19     14.9     476      3.7      0
HC10-09          AES12hour_100year MHEasement2     1.39     12.2     315.909  1.1      0
HC10-10          AES12hour_100year PWOPRMHS0001423 0.28     14.9     93.333   1.9      0
HC10-11          AES12hour_100year PWOPRMHS0001422 0.27     19.5     158.824  2.1      0
HC10-12          AES12hour_100year 50               0.9      2.4      428.571  0.7      0
HC10-13          AES12hour_100year MHEasement1     0.59     16       131.111  0.8      0
HC10-14          AES12hour_100year PWOPRMHS0001374 0.46     16.3     115      2.1      0
HC10-15          AES12hour_100year PWOPRMHS0001420 0.4      16.5     160      1.6      0

[SUBAREAS]
;;Subcatchment   N-Imperv   N-Perv     S-Imperv   S-Perv     PctZero    RouteTo    PctRouted
;;-------------- ---------- ---------- ---------- ---------- ---------- ---------- ----------
A1               0.013      0.35       1          7          25         OUTLET
A1.1             0.013      0.2        1          5          25         OUTLET
A1.1_FRST        0.013      0.2        1          5          25         OUTLET
A2               0.013      0.35       1          7          25         OUTLET
A2.1             0.013      0.2        1          5          25         OUTLET
A2.1_FRST        0.013      0.2        1          5          25         OUTLET
A2.2             0.013      0.2        1          5          25         OUTLET
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A2.2_FRST	0.013	0.2	1	5	25	OUTLET
A3	0.013	0.35	1	7	25	OUTLET
A3.1	0.013	0.2	1	5	25	OUTLET
A3.1_FRST	0.013	0.2	1	5	25	OUTLET
A3.2	0.013	0.2	1	5	25	OUTLET
A3.2_FRST	0.013	0.2	1	5	25	OUTLET
A3.3	0.013	0.2	1	5	25	OUTLET
A3.3_FRST	0.013	0.2	1	5	25	OUTLET
A4	0.013	0.35	1	7	25	OUTLET
A4.1	0.013	0.2	1	5	25	OUTLET
A4.1_FRST	0.013	0.2	1	5	25	OUTLET
A4.2	0.013	0.2	1	5	25	OUTLET
A4.2_FRST	0.013	0.2	1	5	25	OUTLET
A4.3	0.013	0.2	1	5	25	OUTLET
A4.3_FRST	0.013	0.2	1	5	25	OUTLET
A4.4_FRST	0.013	0.2	1	5	25	OUTLET
A4.5	0.013	0.2	1	5	25	OUTLET
A4.5_FRST	0.013	0.2	1	5	25	OUTLET
A4.6	0.013	0.2	1	5	25	OUTLET
A4.6_FRST	0.013	0.2	1	5	25	OUTLET
B1	0.013	0.35	1	7	25	OUTLET
B1.1	0.013	0.2	1	5	25	OUTLET
B1.1_FRST	0.013	0.2	1	5	25	OUTLET
B2	0.013	0.35	1	7	25	OUTLET
B2.1	0.013	0.2	1	5	25	OUTLET
B2.1_FRST	0.013	0.2	1	5	25	OUTLET
C1	0.013	0.35	1	7	25	OUTLET
C1.1	0.013	0.2	1	5	25	OUTLET
C1.1_FRST	0.013	0.2	1	5	25	OUTLET
D1	0.013	0.35	1	7	25	OUTLET
D1.1	0.013	0.2	1	5	25	OUTLET
D1.1_FRST	0.013	0.2	1	5	25	OUTLET
D2	0.013	0.35	1	7	25	OUTLET
D2.1	0.013	0.2	1	5	25	OUTLET
D2.1_FRST	0.013	0.2	1	5	25	OUTLET
D3	0.013	0.35	1	7	25	OUTLET
D3.1	0.013	0.2	1	5	25	OUTLET
D4	0.013	0.35	1	7	25	OUTLET
D4.1	0.013	0.2	1	5	25	OUTLET
D4.1_FRST	0.013	0.2	1	5	25	OUTLET
E1	0.013	0.35	1	7	25	OUTLET

E1.1	0.013	0.2	1	5	25	OUTLET
E1.1_FRST	0.013	0.2	1	5	25	OUTLET
E2	0.013	0.35	1	7	25	OUTLET
E2.1	0.013	0.2	1	5	25	OUTLET
E2.1_FRST	0.013	0.2	1	5	25	OUTLET
E3	0.013	0.35	1	7	25	OUTLET
E3.1	0.013	0.2	1	5	25	OUTLET
E3.1_FRST	0.013	0.2	1	5	25	OUTLET
HC01-01	0.013	0.2	1	5	25	OUTLET
HC01-02	0.013	0.2	1	5	25	OUTLET
HC01-03	0.013	0.2	1	5	25	OUTLET
HC01-04	0.013	0.2	1	5	25	OUTLET
HC01-05	0.013	0.2	1	5	25	OUTLET
HC01-06	0.013	0.2	1	5	25	OUTLET
HC01-07	0.013	0.2	1	5	25	OUTLET
HC01-08	0.013	0.2	1	5	25	OUTLET
HC01-09	0.013	0.2	1	5	25	OUTLET
HC01-10	0.013	0.2	1	5	25	OUTLET
HC01-11	0.013	0.2	1	5	25	OUTLET
HC01-12	0.013	0.2	1	5	25	OUTLET
HC02-01	0.013	0.2	1	5	25	OUTLET
HC02-02	0.013	0.2	1	5	25	OUTLET
HC02-03	0.013	0.2	1	5	25	OUTLET
HC02-04	0.013	0.2	1	5	25	OUTLET
HC02-05	0.013	0.2	1	5	25	OUTLET
HC02-06	0.013	0.2	1	5	25	OUTLET
HC02-07	0.013	0.2	1	5	25	OUTLET
HC02-08	0.013	0.2	1	5	25	OUTLET
HC02-09	0.013	0.2	1	5	25	OUTLET
HC02-10	0.013	0.2	1	5	25	OUTLET
HC02-11	0.013	0.2	1	5	25	OUTLET
HC02-12	0.013	0.2	1	5	25	OUTLET
HC02-13	0.013	0.2	1	5	25	OUTLET
HC02-14	0.013	0.2	1	5	25	OUTLET
HC02-15	0.013	0.2	1	5	25	OUTLET
HC02-16	0.013	0.2	1	5	25	OUTLET
HC02-17	0.013	0.2	1	5	25	OUTLET
HC02-18	0.013	0.2	1	5	25	OUTLET
HC02-19	0.013	0.2	1	5	25	OUTLET
HC02-20	0.013	0.2	1	5	25	OUTLET
HC02-21	0.013	0.2	1	5	25	OUTLET

HC02-22	0.013	0.2	1	5	25	OUTLET
HC02-23	0.013	0.2	1	5	25	OUTLET
HC02-24	0.013	0.2	1	5	25	OUTLET
HC02-25	0.013	0.2	1	5	25	OUTLET
HC02-26	0.013	0.2	1	5	25	OUTLET
HC02-27	0.013	0.2	1	5	25	OUTLET
HC02-28	0.013	0.2	1	5	25	OUTLET
HC02-29	0.013	0.2	1	5	25	OUTLET
HC02-30	0.013	0.2	1	5	25	OUTLET
HC02-31	0.013	0.2	1	5	25	OUTLET
HC02-32	0.013	0.2	1	5	25	OUTLET
HC02-33	0.013	0.2	1	5	25	OUTLET
HC02-34	0.013	0.2	1	5	25	OUTLET
HC02-35	0.013	0.2	1	5	25	OUTLET
HC02-36	0.013	0.2	1	5	25	OUTLET
HC02-37	0.013	0.2	1	5	25	OUTLET
HC02-38	0.013	0.2	1	5	25	OUTLET
HC02-39	0.013	0.2	1	5	25	OUTLET
HC03-01	0.013	0.2	1	5	25	OUTLET
HC03-02	0.013	0.2	1	5	25	OUTLET
HC03-03	0.013	0.2	1	5	25	OUTLET
HC03-04	0.013	0.2	1	5	25	OUTLET
HC03-05	0.013	0.2	1	5	25	OUTLET
HC03-06	0.013	0.2	1	5	25	OUTLET
HC03-07	0.013	0.2	1	5	25	OUTLET
HC03-08	0.013	0.2	1	5	25	OUTLET
HC03-09	0.013	0.2	1	5	25	OUTLET
HC03-10	0.013	0.2	1	5	25	OUTLET
HC03-11	0.013	0.2	1	5	25	OUTLET
HC03-12	0.013	0.2	1	5	25	OUTLET
HC03-13	0.013	0.2	1	5	25	OUTLET
HC03-14	0.013	0.2	1	5	25	OUTLET
HC03-15	0.013	0.2	1	5	25	OUTLET
HC03-16	0.013	0.2	1	5	25	OUTLET
HC03-17	0.013	0.2	1	5	25	OUTLET
HC03-18	0.013	0.2	1	5	25	OUTLET
HC03-19	0.013	0.2	1	5	25	OUTLET
HC03-20	0.013	0.2	1	5	25	OUTLET
HC04-01	0.013	0.2	1	5	25	OUTLET
HC04-02	0.013	0.2	1	5	25	OUTLET
HC04-03	0.013	0.2	1	5	25	OUTLET

HC04-04	0.013	0.2	1	5	25	OUTLET
HC04-05	0.013	0.2	1	5	25	OUTLET
HC04-06	0.013	0.2	1	5	25	OUTLET
HC04-07	0.013	0.2	1	5	25	OUTLET
HC04-08	0.013	0.2	1	5	25	OUTLET
HC04-09	0.013	0.2	1	5	25	OUTLET
HC04-10	0.013	0.2	1	5	25	OUTLET
HC04-11	0.013	0.2	1	5	25	OUTLET
HC04-12	0.013	0.2	1	5	25	OUTLET
HC04-13	0.013	0.2	1	5	25	OUTLET
HC04-14	0.013	0.2	1	5	25	OUTLET
HC04-15	0.013	0.2	1	5	25	OUTLET
HC04-16	0.013	0.2	1	5	25	OUTLET
HC04-17	0.013	0.2	1	5	25	OUTLET
HC04-18	0.013	0.2	1	5	25	OUTLET
HC04-19	0.013	0.2	1	5	25	OUTLET
HC04-20	0.013	0.2	1	5	25	OUTLET
HC04-21	0.013	0.2	1	5	25	OUTLET
HC04-22	0.013	0.2	1	5	25	OUTLET
HC04-23	0.013	0.2	1	5	25	OUTLET
HC04-24	0.013	0.2	1	5	25	OUTLET
HC04-25	0.013	0.2	1	5	25	OUTLET
HC04-26	0.013	0.2	1	5	25	OUTLET
HC04-27	0.013	0.2	1	5	25	OUTLET
HC04-28	0.013	0.2	1	5	25	OUTLET
HC04-29	0.013	0.2	1	5	25	OUTLET
HC04-30	0.013	0.2	1	5	25	OUTLET
HC04-31	0.013	0.2	1	5	25	OUTLET
HC04-32	0.013	0.2	1	5	25	OUTLET
HC04-33	0.013	0.2	1	5	25	OUTLET
HC04-34	0.013	0.2	1	5	25	OUTLET
HC04-35	0.013	0.2	1	5	25	OUTLET
HC04-36	0.013	0.2	1	5	25	OUTLET
HC05-01	0.013	0.2	1	5	25	OUTLET
HC05-02	0.013	0.2	1	5	25	OUTLET
HC05-03	0.013	0.2	1	5	25	OUTLET
HC05-04	0.013	0.2	1	5	25	OUTLET
HC05-05	0.013	0.2	1	5	25	OUTLET
HC05-06	0.013	0.2	1	5	25	OUTLET
HC05-07	0.013	0.2	1	5	25	OUTLET
HC05-08	0.013	0.2	1	5	25	OUTLET

HC05-09	0.013	0.2	1	5	25	OUTLET
HC05-10	0.013	0.2	1	5	25	OUTLET
HC05-11	0.013	0.2	1	5	25	OUTLET
HC06-01	0.013	0.2	1	5	25	OUTLET
HC06-02	0.013	0.2	1	5	25	OUTLET
HC06-03	0.013	0.2	1	5	25	OUTLET
HC06-04	0.013	0.2	1	5	25	OUTLET
HC06-05	0.013	0.2	1	5	25	OUTLET
HC06-06	0.013	0.2	1	5	25	OUTLET
HC06-07	0.013	0.2	1	5	25	OUTLET
HC06-08	0.013	0.2	1	5	25	OUTLET
HC06-09	0.013	0.2	1	5	25	OUTLET
HC06-10	0.013	0.2	1	5	25	OUTLET
HC06-11	0.013	0.2	1	5	25	OUTLET
HC06-12	0.013	0.2	1	5	25	OUTLET
HC06-13	0.013	0.2	1	5	25	OUTLET
HC06-14	0.013	0.2	1	5	25	OUTLET
HC06-15	0.013	0.2	1	5	25	OUTLET
HC06-16	0.013	0.2	1	5	25	OUTLET
HC06-17	0.013	0.2	1	5	25	OUTLET
HC06-18	0.013	0.2	1	5	25	OUTLET
HC06-19	0.013	0.2	1	5	25	OUTLET
HC06-20	0.013	0.2	1	5	25	OUTLET
HC06-21	0.013	0.2	1	5	25	OUTLET
HC06-22	0.013	0.2	1	5	25	OUTLET
HC06-23	0.013	0.2	1	5	25	OUTLET
HC06-24	0.013	0.2	1	5	25	OUTLET
HC06-25	0.013	0.2	1	5	25	OUTLET
HC06-26	0.013	0.2	1	5	25	OUTLET
HC06-27	0.013	0.2	1	5	25	OUTLET
HC06-28	0.013	0.2	1	5	25	OUTLET
HC06-29	0.013	0.2	1	5	25	OUTLET
HC06-30	0.013	0.2	1	5	25	OUTLET
HC06-31	0.013	0.2	1	5	25	OUTLET
HC06-32	0.013	0.2	1	5	25	OUTLET
HC07-01	0.013	0.2	1	5	25	OUTLET
HC07-02	0.013	0.2	1	5	25	OUTLET
HC07-03	0.013	0.2	1	5	25	OUTLET
HC07-04	0.013	0.2	1	5	25	OUTLET
HC07-05	0.013	0.2	1	5	25	OUTLET
HC07-06	0.013	0.2	1	5	25	OUTLET

```
HC07-07          0.013      0.2        1          5          25         OUTLET
HC07-08          0.013      0.2        1          5          25         OUTLET
HC07-09          0.013      0.2        1          5          25         OUTLET
HC08-01          0.013      0.2        1          5          25         OUTLET
HC08-02          0.013      0.2        1          5          25         OUTLET
HC08-03          0.013      0.2        1          5          25         OUTLET
HC08-04          0.013      0.2        1          5          25         OUTLET
HC08-05          0.013      0.2        1          5          25         OUTLET
HC08-06          0.013      0.2        1          5          25         OUTLET
HC08-07          0.013      0.2        1          5          25         OUTLET
HC08-08          0.013      0.2        1          5          25         OUTLET
HC08-09          0.013      0.2        1          5          25         OUTLET
HC08-10          0.013      0.2        1          5          25         OUTLET
HC09-01          0.013      0.2        1          5          25         OUTLET
HC09-02          0.013      0.2        1          5          25         OUTLET
HC09-03          0.013      0.2        1          5          25         OUTLET
HC09-04          0.013      0.2        1          5          25         OUTLET
HC09-05          0.013      0.2        1          5          25         OUTLET
HC09-06          0.013      0.2        1          5          25         OUTLET
HC09-07          0.013      0.2        1          5          25         OUTLET
HC10-01          0.013      0.2        1          5          25         OUTLET
HC10-02          0.013      0.2        1          5          25         OUTLET
HC10-03          0.013      0.2        1          5          25         OUTLET
HC10-04          0.013      0.2        1          5          25         OUTLET
HC10-05          0.013      0.2        1          5          25         OUTLET
HC10-06          0.013      0.2        1          5          25         OUTLET
HC10-07          0.013      0.2        1          5          25         OUTLET
HC10-08          0.013      0.2        1          5          25         OUTLET
HC10-09          0.013      0.2        1          5          25         OUTLET
HC10-10          0.013      0.2        1          5          25         OUTLET
HC10-11          0.013      0.2        1          5          25         OUTLET
HC10-12          0.013      0.2        1          5          25         OUTLET
HC10-13          0.013      0.2        1          5          25         OUTLET
HC10-14          0.013      0.2        1          5          25         OUTLET
HC10-15          0.013      0.2        1          5          25         OUTLET

[INFILTRATION]
;;Subcatchment   Suction    HydCon     IMDmax
;;-------------- ---------- ---------- ----------
A1               166        5          0.2
A1.1             248        2          0.2
```

A1.1_FRST	227	3	0.2
A2	192	5	0.2
A2.1	238	4	0.2
A2.1_FRST	235	5	0.2
A2.2	244	3	0.2
A2.2_FRST	229	5	0.2
A3	157	8	0.2
A3.1	250	2	0.2
A3.1_FRST	238	5	0.2
A3.2	242	3	0.2
A3.2_FRST	193	7	0.2
A3.3	249	2	0.2
A3.3_FRST	179	8	0.2
A4	156	6	0.2
A4.1	247	2	0.2
A4.1_FRST	210	6	0.2
A4.2	250	2	0.2
A4.2_FRST	220	4	0.2
A4.3	243	3	0.2
A4.3_FRST	154	9	0.2
A4.4_FRST	144	10	0.2
A4.5	245	2	0.2
A4.5_FRST	233	3	0.2
A4.6	193	7	0.2
A4.6_FRST	152	9	0.2
B1	250	2	0.2
B1.1	250	2	0.2
B1.1_FRST	250	2	0.2
B2	250	2	0.2
B2.1	250	2	0.2
B2.1_FRST	250	2	0.2
C1	147	5	0.2
C1.1	236	3	0.2
C1.1_FRST	151	5	0.2
D1	145	7	0.2
D1.1	147	10	0.2
D1.1_FRST	146	7	0.2
D2	146	6	0.2
D2.1	155	9	0.2
D2.1_FRST	145	8	0.2
D3	172	5	0.2

D3.1	160	9	0.2
D4	145	7	0.2
D4.1	172	8	0.2
D4.1_FRST	150	8	0.2
E1	213	5	0.2
E1.1	188	5	0.2
E1.1_FRST	166	7	0.2
E2	233	3	0.2
E2.1	250	2	0.2
E2.1_FRST	241	3	0.2
E3	170	9	0.2
E3.1	217	5	0.2
E3.1_FRST	201	6	0.2
HC01-01	237	4.6	0.2
HC01-02	237	4.5	0.2
HC01-03	237	4.5	0.2
HC01-04	237	4.7	0.2
HC01-05	237	4.5	0.2
HC01-06	237	4.5	0.2
HC01-07	237	4.5	0.2
HC01-08	237	4.5	0.2
HC01-09	237	4.5	0.2
HC01-10	237	4.5	0.2
HC01-11	237	4.5	0.2
HC01-12	146	4.5	0.2
HC02-01	237	4.4	0.2
HC02-02	237	3.9	0.2
HC02-03	237	4.1	0.2
HC02-04	237	4.3	0.2
HC02-05	237	4.4	0.2
HC02-06	237	4.4	0.2
HC02-07	237	4.5	0.2
HC02-08	237	4.6	0.2
HC02-09	237	4.5	0.2
HC02-10	237	4.6	0.2
HC02-11	237	4.5	0.2
HC02-12	237	4.6	0.2
HC02-13	237	4.6	0.2
HC02-14	237	4.6	0.2
HC02-15	237	4.5	0.2
HC02-16	144	9.7	0.2

HC02-17	146	4.5	0.2
HC02-18	144	9.7	0.2
HC02-19	144	9.6	0.2
HC02-20	237	4.3	0.2
HC02-21	237	4.5	0.2
HC02-22	237	4.5	0.2
HC02-23	237	4.1	0.2
HC02-24	237	3.6	0.2
HC02-25	237	4	0.2
HC02-26	237	3.8	0.2
HC02-27	144	9.6	0.2
HC02-28	144	9.6	0.2
HC02-29	144	9.3	0.2
HC02-30	144	10.4	0.2
HC02-31	144	9.5	0.2
HC02-32	144	9.6	0.2
HC02-33	144	9.5	0.2
HC02-34	144	9.3	0.2
HC02-35	144	10.3	0.2
HC02-36	144	10	0.2
HC02-37	144	10	0.2
HC02-38	237	4.5	0.2
HC02-39	237	4.6	0.2
HC03-01	237	3.7	0.2
HC03-02	237	4.4	0.2
HC03-03	237	4.4	0.2
HC03-04	237	4.4	0.2
HC03-05	237	4.2	0.2
HC03-06	237	4.5	0.2
HC03-07	237	4.4	0.2
HC03-08	144	9.9	0.2
HC03-09	144	10	0.2
HC03-10	144	9.9	0.2
HC03-11	144	9.9	0.2
HC03-12	144	9.7	0.2
HC03-13	144	9.5	0.2
HC03-14	144	7.6	0.2
HC03-15	144	9.7	0.2
HC03-16	144	9.5	0.2
HC03-17	237	4.2	0.2
HC03-18	237	3.6	0.2

HC03-19	237	4.7	0.2
HC03-20	237	4.7	0.2
HC04-01	146	4.6	0.2
HC04-02	144	10	0.2
HC04-03	144	10	0.2
HC04-04	146	4.6	0.2
HC04-05	144	9.8	0.2
HC04-06	144	9.8	0.2
HC04-07	144	9.1	0.2
HC04-08	144	9.9	0.2
HC04-09	144	9.8	0.2
HC04-10	144	9.8	0.2
HC04-11	144	10.2	0.2
HC04-12	144	9.8	0.2
HC04-13	144	9.5	0.2
HC04-14	237	4.5	0.2
HC04-15	237	4.5	0.2
HC04-16	237	4.4	0.2
HC04-17	237	4.5	0.2
HC04-18	237	4.5	0.2
HC04-19	237	4.6	0.2
HC04-20	237	4.6	0.2
HC04-21	237	4.5	0.2
HC04-22	237	4.5	0.2
HC04-23	237	4.6	0.2
HC04-24	237	4.5	0.2
HC04-25	146	4.5	0.2
HC04-26	144	9.8	0.2
HC04-27	237	4.6	0.2
HC04-28	144	9.5	0.2
HC04-29	146	4.5	0.2
HC04-30	146	4.5	0.2
HC04-31	144	9.4	0.2
HC04-32	144	9.5	0.2
HC04-33	144	9.7	0.2
HC04-34	144	10	0.2
HC04-35	144	9.7	0.2
HC04-36	146	4.3	0.2
HC05-01	146	4.6	0.2
HC05-02	146	4.6	0.2
HC05-03	144	5	0.2

HC05-04	144	10	0.2
HC05-05	144	9.3	0.2
HC05-06	144	9.7	0.2
HC05-07	144	9.8	0.2
HC05-08	144	9.7	0.2
HC05-09	144	9.8	0.2
HC05-10	144	9.6	0.2
HC05-11	144	10	0.2
HC06-01	237	4.4	0.2
HC06-02	237	4.4	0.2
HC06-03	237	4.8	0.2
HC06-04	237	4.8	0.2
HC06-05	237	4.5	0.2
HC06-06	237	4.5	0.2
HC06-07	146	4.5	0.2
HC06-08	237	4.5	0.2
HC06-09	237	4.5	0.2
HC06-10	237	4.5	0.2
HC06-11	146	4.4	0.2
HC06-12	146	4.4	0.2
HC06-13	144	8.2	0.2
HC06-14	144	7.8	0.2
HC06-15	144	3.5	0.2
HC06-16	144	5.9	0.2
HC06-17	144	8	0.2
HC06-18	144	8	0.2
HC06-19	144	3.5	0.2
HC06-20	144	3.5	0.2
HC06-21	144	6.6	0.2
HC06-22	144	3.5	0.2
HC06-23	144	6.2	0.2
HC06-24	144	3.5	0.2
HC06-25	146	4.4	0.2
HC06-26	144	9.7	0.2
HC06-27	144	5	0.2
HC06-28	144	3.5	0.2
HC06-29	146	4.7	0.2
HC06-30	146	4.2	0.2
HC06-31	144	10.3	0.2
HC06-32	144	10	0.2
HC07-01	144	9.7	0.2

HC07-02	144	9.8	0.2
HC07-03	144	9.6	0.2
HC07-04	144	9.7	0.2
HC07-05	144	9.8	0.2
HC07-06	144	9.7	0.2
HC07-07	144	9.8	0.2
HC07-08	144	9.6	0.2
HC07-09	144	10.3	0.2
HC08-01	146	4.5	0.2
HC08-02	146	4.4	0.2
HC08-03	144	9.5	0.2
HC08-04	146	4.6	0.2
HC08-05	146	4.3	0.2
HC08-06	146	4.5	0.2
HC08-07	146	4.5	0.2
HC08-08	146	3.7	0.2
HC08-09	146	4.2	0.2
HC08-10	146	4.7	0.2
HC09-01	144	10.1	0.2
HC09-02	144	10.2	0.2
HC09-03	144	9.9	0.2
HC09-04	144	10	0.2
HC09-05	144	9.9	0.2
HC09-06	144	9.9	0.2
HC09-07	144	9.7	0.2
HC10-01	144	10.1	0.2
HC10-02	144	9.4	0.2
HC10-03	144	9.6	0.2
HC10-04	144	9.9	0.2
HC10-05	144	10	0.2
HC10-06	144	9.9	0.2
HC10-07	144	9.9	0.2
HC10-08	144	10	0.2
HC10-09	144	9.9	0.2
HC10-10	144	10	0.2
HC10-11	144	9.8	0.2
HC10-12	144	10.3	0.2
HC10-13	144	9.9	0.2
HC10-14	144	9.9	0.2
HC10-15	144	9.9	0.2

```
[JUNCTIONS]
;;               Invert     Max.       Init.      Surcharge  Ponded
;;Name           Elev.      Depth      Depth      Depth      Area
;;-------------- ---------- ---------- ---------- ---------- ----------
1                332.644    3          0          0          0
11               316.607    3          0          0          0
12               315.5      3          0          0          0
;07
13               314.5      3          0          0          0
14               331.1      3          0          0          0
15               313.95     3          0          0          0
17               312        3          0          0          0
;02
18               322.5      3          0          0          0
19               323.5      3          0          0          0
2                324        3          0          0          0
20               330.1      0          0          0          0
;05
21               321.1      3          0          0          0
;03
22               321.5      3          0          0          0
24               320.5      3          0          0          0
25               321.103    3          0          0          0
26               327.931    3          0          0          0
27               326.5      3          0          0          0
28               326.1      3          0          0          0
29               323.893    3          0          0          0
3                330.57     3          0          0          0
30               320.5      3          0          0          0
;06
31               320.148    3          0          0          0
32               319        3          0          0          0
34               317.868    3          0          0          0
35               317.5      3          0          0          0
36               315.5      3          0          0          0
37               324.1      3          0          0          0
39               321.3      3          0          0          0
4                325        3          0          0          0
40               319.1      3          0          0          0
42               322.1      3          0          0          0
48               324.6      3          0          0          0
```

```
49                321.6      3          0          0          0
;01
5                 329.5      3          0          0          0
50                318.1      3          0          0          0
53                314.1      3          0          0          0
54                313.925    3          0          0          0
;08
56                301.1      3          0          0          0
6                 329        3          0          0          0
7                 318.1      3          0          0          0
8                 320.964    3          0          0          0
;04
9                 320.404    3          0          0          0
;NA
MHEasement1       319.07     3.83       0          0          0
;NA
MHEasement2       318.7      2          0          0          0
;Represents direct connection point of servicing from public school
;Rim elevation approximated by neighbouring MH values and contours
MHSchool          328.55     3.18       0          0.3        0
;NA
MHSWM4            319.25     4.3        0          0.3        0
;NA
PWOPRMHS0001369   319.39     2.49       0          0.3        0
;NA
PWOPRMHS0001370   319.27     3.33       0          0.3        0
;NA
PWOPRMHS0001371   319.82     3.07       0          0.3        0
;NA
PWOPRMHS0001372   320.15     3.07       0          0.3        0
;NA
PWOPRMHS0001373   320.02     2.26       0          0.3        0
;NA
PWOPRMHS0001374   319.69     2.9        0          0.3        0
;NA
PWOPRMHS0001375   319.57     2.83       0          0.3        0
;NA
PWOPRMHS0001386   318.61     2.05       0          0.3        0
;NA
PWOPRMHS0001387   318.75     2.27       0          0.3        0
;NA
```

```
PWOPRMHS0001388  318.93     2.35       0          0.3        0
;NA
PWOPRMHS0001389  319.13     2.39       0          0.3        0
;NA
PWOPRMHS0001390  317.49     3.36       0          0.3        0
;NA
PWOPRMHS0001391  317.27     3.16       0          0.3        0
;NA
PWOPRMHS0001392  318.18     2.66       0          0.3        0
;NA
PWOPRMHS0001393  320.19     2.79       0          0.3        0
;NA
PWOPRMHS0001394  316.86     2.8        0          0.3        0
;NA
PWOPRMHS0001395  316.79     2.63       0          0.3        0
;NA
PWOPRMHS0001398  317.27     3.29       0          0.3        0
;NA
PWOPRMHS0001399  317.15     2.87       0          0.3        0
;NA
PWOPRMHS0001400  316.99     2.75       0          0.3        0
;NA
PWOPRMHS0001401  316.67     2.83       0          0.3        0
;NA
PWOPRMHS0001402  316.5      2.78       0          0.3        0
;NA
PWOPRMHS0001403  321.7      3.25       0          0.3        0
;NA
PWOPRMHS0001404  320.54     2.9        0          0.3        0
;NA
PWOPRMHS0001408  320.83     2.96       0          0.3        0
;NA
PWOPRMHS0001409  327.81     2.43       0          0.3        0
;NA
PWOPRMHS0001410  326.47     3.97       0          0.3        0
;NA
PWOPRMHS0001411  327.47     3.16       0          0.3        0
;NA
PWOPRMHS0001412  331.69     3.81       0          0.3        0
;NA
PWOPRMHS0001413  331.74     3.86       0          0.3        0
```

```
;NA
PWOPRMHS0001415  319.68     2.59       0          0.3        0
;NA
PWOPRMHS0001416  318.99     4.22       0          0.3        0
;NA
PWOPRMHS0001418  318.73     3.45       0          0.3        0
;NA
PWOPRMHS0001419  319.99     3.16       0          0.3        0
;NA
PWOPRMHS0001420  320.5      3.14       0          0.3        0
;NA
PWOPRMHS0001421  320.94     3.21       0          0.3        0
;NA
PWOPRMHS0001422  320.28     2.33       0          0.3        0
;NA
PWOPRMHS0001423  320.43     2.8        0          0.3        0
;NA
PWOPRMHS0001424  320.96     2.34       0          0.3        0
;NA
PWOPRMHS0001428  323.21     3.02       0          0.3        0
;NA
PWOPRMHS0001429  321.35     3.17       0          0.3        0
;NA
PWOPRMHS0001430  321.23     2.88       0          0.3        0
;NA
PWOPRMHS0001431  323.01     3.1        0          0.3        0
;NA
PWOPRMHS0001433  319.78     3.9        0          0.3        0
;NA
PWOPRMHS0001435  319.64     2.89       0          0.3        0
;NA
PWOPRMHS0001436  318.35     5.33       0          0.3        0
;NA
PWOPRMHS0001437  319.38     3.85       0          0.5        0
;NA
PWOPRMHS0001438  318.2      4.24       0          0.3        0
;NA
PWOPRMHS0001467  320.92     2.97       0          0.3        0
PWOPRMHS0001597  324.78     2.86       0          0.3        0
PWOPRMHS0001598  325.49     2.11       0          0.3        0
PWOPRMHS0001600  324.66     3.3        0          0.3        0
```

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PWOPRMHS0001601  326.15     2          0          0.3        0
PWOPRMHS0001602  325.98     2          0          0.3        0
PWOPRMHS0001603  324.23     3.25       0          0.3        0
PWOPRMHS0001604  323.95     3.47       0          0.3        0
PWOPRMHS0001605  324.34     3.15       0          0.3        0
PWOPRMHS0001606  323.57     3.36       0          0.3        0
PWOPRMHS0001608  325.67     2.5        0          0.3        0
PWOPRMHS0001610  325.44     2.21       0          0.3        0
;NA
PWOPRMHS0001611  322.87     2.24       0          0.3        0
;NA
PWOPRMHS0001614  322.91     3.09       0          0.3        0
;NA
PWOPRMHS0001622  332.73     2.22       0          0.3        0
;NA
PWOPRMHS0001624  330.92     3.93       0          0.3        0
;NA
PWOPRMHS0001625  330.61     4.33       0          0.3        0
;NA
PWOPRMHS0001626  331        4.4        0          0.3        0
;NA
PWOPRMHS0001634  326.21     3.77       0          0.3        0
;NA
PWOPRMHS0001642  323.27     2.84       0          0.3        0
;NA
PWOPRMHS0001643  323.38     2.83       0          0.3        0
;NA
PWOPRMHS0001649  329.21     4.17       0          0.3        0
;NA
PWOPRMHS0001650  329.57     3.87       0          0.3        0
;NA
PWOPRMHS0001651  330.28     4.11       0          0.3        0
;NA
PWOPRMHS0001652  326.89     2.16       0          0.3        0
;NA
PWOPRMHS0001653  325.24     2.15       0          0.3        0
;NA
PWOPRMHS0001654  324.91     2.39       0          0.3        0
;NA
PWOPRMHS0001655  330        3.56       0          0.3        0
;NA
```

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PWOPRMHS0001657  324.58     2.47       0          0.3        0
;NA
PWOPRMHS0001658  324.92     2.21       0          0.3        0
;NA
PWOPRMHS0001659  325.31     2.46       0          0.3        0
;NA
PWOPRMHS0001660  324.1      2.85       0          0.3        0
;NA
PWOPRMHS0001661B 324.31     2.45       0          0.3        0
;NA
PWOPRMHS0001662  323.95     2.98       0          0.3        0
;NA
PWOPRMHS0001663  324.06     2.66       0          0.3        0
;NA
PWOPRMHS0001664  326.35     2.28       0          0.3        0
PWOPRMHS0001667  323.15     3.08       0          0.3        0
PWOPRMHS0001670  322.92     2          0          0.3        0
PWOPRMHS0001674  325.88     3.53       0          0.3        0
PWOPRMHS0001676  326.33     3.2        0          0.3        0
PWOPRMHS0001677  326.59     3.15       0          0.3        0
;Rim elevation estimated
PWOPRMHS0001678  327.01     2.79       0          0.3        0
PWOPRMHS0001679  335.89     2.66       0          0.3        0
PWOPRMHS0001680  335.06     3.4        0          0.3        0
PWOPRMHS0001682  328.1      3.89       0          0.3        0
PWOPRMHS0001686  328.55     3.6        0          0.3        0
PWOPRMHS0001687  326.4      3.48       0          0.3        0
PWOPRMHS0001688  326.1      3.34       0          0.3        0
PWOPRMHS0001689  326.61     3.68       0          0.3        0
PWOPRMHS0001690  326.74     3.56       0          0.3        0
PWOPRMHS0001691  326.982    3.598      0          0.3        0
PWOPRMHS0001692  327.57     3.44       0          0.3        0
;NA
PWOPRMHS0001695  322.25     3.57       0          0.3        0
;NA
PWOPRMHS0001697  323.91     3.11       0          0.3        0
PWOPRMHS0001705  328.53     3.5        0          0.3        0
PWOPRMHS0001706  327.14     3.06       0          0.3        0
PWOPRMHS0001713  325.51     3.65       0          0.3        0
PWOPRMHS0001729  329.08     3.52       0          0.3        0
PWOPRMHS0001732  328.98     3.3        0          0.3        0
```

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;NA
PWOPRMHS0001733  324.05     2.7        0          0.3        0
;NA
PWOPRMHS0001736  323.4      3.15       0          0.3        0
PWOPRMHS0001739  328.89     3.32       0          0.3        0
PWOPRMHS0001740  328.72     3.33       0          0.3        0
PWOPRMHS0001741  329.48     2.76       0          0.3        0
PWOPRMHS0001743  327.29     3.33       0          0.3        0
PWOPRMHS0001744  327.73     3.33       0          0.3        0
PWOPRMHS0001745  328.06     3.3        0          0.3        0
PWOPRMHS0001746  327.93     3.33       0          0.3        0
;NA
PWOPRMHS0001761  329.15     2.76       0          0.3        0
;NA
PWOPRMHS0001764  327.46     3.78       0          0.3        0
;NA
PWOPRMHS0001765  328.04     2.39       0          0.3        0
;NA
PWOPRMHS0001766  328.32     2.41       0          0.3        0
;NA
PWOPRMHS0001767  327.25     3.62       0          0.3        0
;NA
PWOPRMHS0001768  327.85     2.58       0          0.3        0
;NA
PWOPRMHS0001788  322.94     3.97       0          0.3        0
;NA
PWOPRMHS0001791  325.59     5.96       0          0.3        0
;NA
PWOPRMHS0001792  325.24     6.82       0          0.3        0
;NA
PWOPRMHS0001796  326.65     4.02       0          0          0
;NA
PWOPRMHS0001797  326.4      4.83       0          0          0
;NA
PWOPRMHS0001798  326.06     5.77       0          0.3        0
;NA
PWOPRMHS0001804  331.98     3.61       0          0.3        0
;NA
PWOPRMHS0001836  324.56     5.25       0          0.3        0
;NA
PWOPRMHS0001855  326.21     3.73       0          0.3        0
```

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;NA
PWOPRMHS0001856  327.73     3.67       0          0.3        0
;NA
PWOPRMHS0001857  322.43     3.51       0          0.3        0
;NA
PWOPRMHS0001858  329.93     3.69       0          0.3        0
;NA
PWOPRMHS0001867  331.94     2.78       0          0.3        0
PWOPRMHS0001874  329.87     3.05       0          0.3        0
;NA
PWOPRMHS0001878  323.28     2.96       0          0.3        0
;NA
PWOPRMHS0001879  323.04     3.03       0          0.3        0
;NA
PWOPRMHS0001881  323.57     2.92       0          0.3        0
;NA
PWOPRMHS0001889  324.63     3.44       0          0.3        0
;NA
PWOPRMHS0001890  324.52     3.31       0          0.3        0
;NA
PWOPRMHS0001891  325.1      2.9        0          0.3        0
;NA
PWOPRMHS0001894  324.23     3          0          0.3        0
;NA
PWOPRMHS0001903  332.72     2.54       0          0.3        0
;NA
PWOPRMHS0001904  330.44     3.67       0          0.3        0
;NA
PWOPRMHS0001906  318.8      3.49       0          0.3        0
;NA
PWOPRMHS0001907  318.83     2.99       0          0.3        0
;NA
PWOPRMHS0001908  319.55     3.08       0          0.3        0
;NA
PWOPRMHS0001911  318.49     3.65       0          0.3        0
;NA
PWOPRMHS0001912  317.51     3.82       0          0.3        0
;NA
PWOPRMHS0001914  331.83     2.71       0          0.3        0
;NA
PWOPRMHS0001915  329.19     3.84       0          0.3        0
```

```
;NA
PWOPRMHS0001916  327.59     3.14       0          0.3        0
;NA
PWOPRMHS0001917  319.24     2.98       0          0.3        0
;NA
PWOPRMHS0001918  317.81     4.03       0          0.3        0
PWOPRMHS0001919  327.8      2.84       0          0.3        0
;NA
PWOPRMHS0001925  323.33     3.36       0          0.3        0
;NA
PWOPRMHS0001926  322.69     2.47       0          0.3        0
;NA
PWOPRMHS0001927  323.51     2.31       0          0.3        0
;NA
PWOPRMHS0001928  322.2      2.41       0          0.3        0
;NA
PWOPRMHS0001929  323.85     3.52       0          0.3        0
;NA
PWOPRMHS0001930  323.07     3.07       0          0.3        0
;NA
PWOPRMHS0001931  324.99     5.43       0          0.3        0
;NA
PWOPRMHS0001932  325.31     8.34       0          0.3        0
;NA
PWOPRMHS0001933  325.66     9.07       0          0.3        0
;NA
PWOPRMHS0001935  326.03     7.44       0          0.3        0
;NA
PWOPRMHS0001937  324.28     3.82       0          0.3        0
;NA
PWOPRMHS0001939  327.51     3.59       0          0.3        0
;NA
PWOPRMHS0001941  326.79     3.74       0          0          0
;NA
PWOPRMHS0001943  326.42     5.3        0          0.3        0
;NA
PWOPRMHS0001944  322.64     3          0          0.3        0
;NA
PWOPRMHS0001945  323.32     2.88       0          0.3        0
;NA
PWOPRMHS0001947  324.02     2.7        0          0.3        0
```

```
PWOPRMHS0002041  329.07     2.98       0          0.3        0
PWOPRMHS0002042  329.56     4.01       0          0.3        0
PWOPRMHS0002046  330.72     2.86       0          0.3        0
PWOPRMHS0002050  328.97     2.87       0          0.3        0
PWOPRMHS0002051  328.27     3.3        0          0.3        0
;NA
PWOPRMHS0002080  325.23     3.1        0          0.3        0
;NA
PWOPRMHS0002082  326.71     4.05       0          0.3        0
;NA
PWOPRMHS0002083  325.32     3.61       0          0.3        0
;NA
PWOPRMHS0002084  324.97     3.82       0          0.3        0
;NA
PWOPRMHS0002085  329.39     3.11       0          0.3        0
PWOPRMHS0002095  336.04     3.41       0          0.3        0
PWOPRMHS0003136  328.89     3.7        0          0.3        0
PWOPRMHS0003137  329.5      3.26       0          0.3        0
PWOPRMHS0003140  327.35     2.76       0          0.3        0
PWOPRMHS0003146  334.6      3.92       0          0.3        0
PWOPRMHS0003147  333.79     2.72       0          0.3        0
PWOPRMHS0003148  331.89     3.16       0          0.3        0
PWOPRMHS0003149  330.86     3.81       0          0.3        0
PWOPRMHS0003153  336.16     2.43       0          0.3        0
PWOPRMHS0003160  335.5      2.92       0          0.3        0
PWOPRMHS0004129  329.07     2          0          0.3        0
PWOPRMHS0004130  328.83     2.13       0          0.3        0
PWOPRMHS0004131  328.57     2          0          0.3        0
PWOPRMHS0004132  328.13     2.51       0          0.3        0
PWOPRMHS0004133  328.79     2          0          0.3        0
PWOPRMHS0004134  331.94     2          0          0.3        0
PWOPRMHS0004135  332.43     2.02       0          0.3        0
PWOPRMHS0004137  334.38     2.53       0          0.3        0
PWOPRMHS0004141  327.38     2.19       0          0.3        0
PWOPRMHS0004142  327.04     2.46       0          0.3        0
PWOPRMHS0004143  327.78     2          0          0.3        0
PWOPRMHS0004146  332.4      2          0          0.3        0
PWOPRMHS0004159  329.63     2          0          0.3        0
PWOPRMHS0004201  329.52     2          0          0.3        0
PWOPRMHS0004998  326.73     2          0          0.3        0
PWOPRMHS0004999  327.49     2          0          0.3        0
```

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PWOPRMHS0005000  326.99     2.32       0          0.3        0
PWOPRMHS0005001  327.12     2.55       0          0.3        0
PWOPRMHS0005003  326.19     2          0          0.3        0
PWOPRMHS0005008  338.52     4.48       0          0.3        0
PWOPRMHS0005009  339.39     4.26       0          0.3        0
PWOPRMHS0005010  338.14     4.66       0          0.3        0
PWOPRMHS0005011  334.98     3.72       0          0.3        0
PWOPRMHS0005012  335.55     3.95       0          0.3        0
PWOPRMHS0005013  334.8      3.45       0          0.3        0
PWOPRMHS0005178  328.64     2          0          0.3        0
;NA
PWOPRMHS0005179  326.2      4.1        0          0.3        0
;NA
PWOPRMHS0005181  326.66     3.12       0          0.3        0
;NA
PWOPRMHS0005183  327.74     2.96       0          0.3        0
;NA
PWOPRMHS0005188  329.94     2.33       0          0.3        0
;NA
PWOPRMHS0005196  328.21     2.69       0          0.3        0
;NA
PWOPRMHS0005223  325.84     3.81       0          0.3        0
;NA
PWOPRMHS0005226  325.46     3.04       0          0.3        0
;NA
PWOPRMHS0005229  324.74     2.51       0          0.3        0
;NA
PWOPRMHS0005230  324.55     2.65       0          0.3        0
;NA
PWOPRMHS0005231  325.24     2.4        0          0.3        0
;NA
PWOPRMHS0005906  319.63     2          0          0.3        0
;NA
PWOPRMHS0005908  318.92     2.18       0          0.3        0
;NA
PWOPRMHS0005909  318.44     2.56       0          0.3        0
;NA
PWOPRMHS0005910  318.95     2.55       0          0.3        0
;NA
PWOPRMHS0005911  319.29     2.46       0          0.3        0
;NA
```

```
PWOPRMHS0005924  318.6      2.4        0          0.3        0
;NA
PWOPRMHS0005926  318.05     2.75       0          0.3        0
;NA
PWOPRMHS0005927  317.76     2.44       0          0.3        0
;NA
PWOPRMHS0005930  317.25     2.3        0          0.3        0
;NA
PWOPRMHS0005931  317.7      2          0          0.3        0
;NA
PWOPRMHS0005932  317.88     2          0          0.3        0
;NA
PWOPRMHS0005944  318.32     2.18       0          0.3        0
;NA
PWOPRMHS0005945  318.22     2          0          0.3        0
;NA
PWOPRMHS0005946  318.5      2          0          0.3        0
SWMPOND          322        3          0          0.3        0

[OUTFALLS]
;;               Invert     Outfall    Stage/Table      Tide
;;Name           Elev.      Type       Time Series      Gate     Route To
;;-------------- ---------- ---------- ---------------- -------- ----------------
A1_OVERFLOW      317        FREE                        NO       A1
A2_OVERFLOW      329        FREE                        NO       A2
A3_OVERFLOW      326        FREE                        NO       A3
A4_OVERFLOW      317        FREE                        NO       A4
B1_OVERFLOW      324        FREE                        NO       B1
B2_OVERFLOW      322        FREE                        NO       B2
C1_OVERFLOW      319        FREE                        NO       C1
D1_OVERFLOW      324.5      FREE                        NO       D1
D2_OVERFLOW      321        FREE                        NO       D3
D3_OVERFLOW      321.5      FREE                        NO       D3
D4_OVERFLOW      318        FREE                        NO       D4
E1_OVERFLOW      314        FREE                        NO       E1
E2_OVERFLOW      313.9      FREE                        NO       E2
HanlonCreek      300        FREE                        NO

[STORAGE]
;;               Invert   Max.       Init.      Storage    Curve                                  Evap.
;;Name           Elev.    Depth      Depth      Curve      Params                                 Frac.
Infiltration parameters
```

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;;-------------- -------- ---------- ---------- ---------- --------- --------- -------- -------- -------- ---------
--------------
S_A1             331      3          0          TABULAR    WetlandA1                  0        0
S_A2             330      3          0          TABULAR    WetlandA2                  0        0
S_A3             326      5.5        0          TABULAR    WetlandA3                  0        0
S_A4             318      5.5        0          TABULAR    WetlandA4                  0        0
S_B1             324      3          0          TABULAR    WetlandB1                  0        0
S_B2             322      3          0          TABULAR    WetlandB2                  0        0
S_C1             319      3          0          TABULAR    WetlandC1                  0        0
S_D1             324.5    3          0          TABULAR    WetlandD1                  0        0
S_D2             321      3          0          TABULAR    WetlandD2                  0        0
S_D3             321.5    3          0          TABULAR    WetlandD3                  0        0
S_D4             318      3          0          TABULAR    WetlandD4                  0        0
S_E1             314      3          0          TABULAR    WetlandE1                  0        0
S_E2             313.9    3          0          TABULAR    WetlandE2                  0        0

[CONDUITS]
;;               Inlet            Outlet                      Manning    Inlet      Outlet     Init.      Max.
;;Name           Node             Node             Length     N          Offset     Offset     Flow       Flow
;;-------------- ---------------- ---------------- ---------- ---------- ---------- ---------- ---------- ---------
-
1                1                14               360.305    0.013      0          0          0          0
10               24               9                457.949    0.013      0          0          0          0
11               18               42               301.149    0.013      0          0          0          0
12               S_B2             22               131.83     0.013      0          0          0          0
13               19               S_B1             124.967    0.013      0          0          0          0
14               19               18               146.578    0.013      0          0          0          0
15               22               25               93.126     0.013      0          0          0          0
16               2                8                631.141    0.013      324        320.964    0          0
17               25               24               181.69     0.013      0          0          0          0
18               9                7                420.604    0.013      0          0          0          0
19               11               12               195.669    0.013      0          0          0          0
2                S_A1             3                43.668     0.013      0          0          0          0
20               12               13               179.641    0.013      0          0          0          0
21               13               53               212.047    0.013      0          0          0          0
22               S_E1             15               69.292     0.013      0          0          0          0
23               15               54               67.515     0.013      0          0          0          0
24               S_E2             17               107.785    0.013      0          0          0          0
25               26               27               458.274    0.013      0          0          0          0
26               39               21               482.961    0.013      0          0          0          0
27               27               48               289.263    0.013      0          0          0          0
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28	S_D1	29	122.671	0.013	0	0	0	0
29	30	31	89.546	0.013	0	0	0	0
3	3	20	432.496	0.013	0	0	0	0
30	31	32	191.886	0.013	0	0	0	0
31	32	50	225.886	0.013	0	0	0	0
32	S_D4	34	122.316	0.013	0	0	0	0
33	34	35	72.595	0.013	0	0	0	0
34	35	36	438.635	0.013	0	0	0	0
35	36	13	141.013	0.013	0	0	0	0
36	14	S_A1	34.424	0.013	0	331	0	0
37	S_D3	39	91.663	0.013	0	0	0	0
38	29	21	402.301	0.013	0	0	0	0
39	21	S_D2	78.042	0.013	0	0	0	0
4	S_A2	5	94.929	0.013	0	0	0	0
40	S_D2	30	55.409	0.013	0	0	0	0
41	17	56	1006.975	0.013	0	0	0	0
43	4	37	223.1	0.013	325	324.1	0	0
44	7	S_A4	45.027	0.013	0	317	0	0
45	7	A4_OVERFLOW	60.823	0.013	318.7	0	0	0
46	14	A1_OVERFLOW	16.01	0.013	331.7	0	0	0
47	S_A4	11	355.016	0.013	317	316.607	0	0
48	20	S_A2	28.029	0.013	330.1	330	0	0
49	20	A2_OVERFLOW	32.856	0.013	330.7	330	0	0
5	5	6	219.322	0.013	0	0	0	0
50	28	S_A3	102.047	0.013	326.1	326	0	0
51	28	A3_OVERFLOW	83.104	0.013	326.7	0	0	0
52	37	S_B1	30.885	0.013	324.1	324	0	0
53	37	B1_OVERFLOW	20.838	0.013	324.7	324	0	0
54	40	S_C1	40.45	0.013	319.1	319	0	0
55	40	C1_OVERFLOW	45.312	0.013	319.7	319	0	0
56	42	B2_OVERFLOW	25.741	0.013	322.7	322	0	0
57	42	S_B2	24.015	0.013	322.1	322	0	0
58	49	S_D3	59.379	0.013	321.6	321.5	0	0
59	49	D3_OVERFLOW	57.755	0.013	322.2	321.5	0	0
6	6	28	710.032	0.013	0	0	0	0
60	48	S_D1	64.088	0.013	324.6	324.5	0	0
61	48	D1_OVERFLOW	92.338	0.013	325.2	324.5	0	0
62	21	D2_OVERFLOW	83.528	0.013	321.7	321	0	0
63	50	S_D4	36.294	0.013	318.1	318	0	0
64	50	D4_OVERFLOW	20.059	0.013	318.7	318	0	0
65	54	S_E2	8.253	0.013	313.925	313.9	0	0

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66                54                E2_OVERFLOW       17.303     0.013      314.525    313.9      0          0
67                53                E1_OVERFLOW       16.462     0.013      314.7      314        0          0
68                53                S_E1              9.722      0.013      314.1      314        0          0
7                 S_A3              8                 610.067    0.013      0          0          0          0
70                56                HanlonCreek       345.809    0.013      301.1      301        0          0
8                 8                 9                 403.532    0.013      0          0          0          0
9                 S_C1              7                 306.084    0.013      0          0          0          0
;NA
PWOPRSES0001498   PWOPRMHS0001398   PWOPRMHS0001399   33         0.013      317.27     317.16     0          0
;NA
PWOPRSES0001507   PWOPRMHS0001408   PWOPRMHS0001404   46.5       0.013      320.83     320.66     0          0
;NA
PWOPRSES0001510   PWOPRMHS0001467   PWOPRMHS0001404   64         0.013      320.92     320.58     0          0
;NA
PWOPRSES0001511   PWOPRMHS0001423   PWOPRMHS0001422   25.1       0.013      320.43     320.3      0          0
;NA
PWOPRSES0001512   PWOPRMHS0001430   PWOPRMHS0001423   31.8       0.013      321.23     320.64     0          0
;NA
PWOPRSES0001515   PWOPRMHS0001428   PWOPRMHS0001429   57.9       0.013      323.21     321.45     0          0
;NA
PWOPRSES0001516   PWOPRMHS0001429   PWOPRMHS0001421   22.8       0.013      321.35     321.02     0          0
;NA
PWOPRSES0001518   PWOPRMHS0001431   PWOPRMHS0001372   63.5       0.013      323.01     320.26     0          0
;NA
PWOPRSES0001519   PWOPRMHS0001393   PWOPRMHS0001415   139.1      0.013      320.19     319.77     0          0
;NA
PWOPRSES0001520   PWOPRMHS0001394   PWOPRMHS0001402   74.3       0.013      316.86     316.6      0          0
;NA
PWOPRSES0001521   PWOPRMHS0001391   PWOPRMHS0001394   83.9       0.013      317.27     316.96     0          0
;NA
PWOPRSES0001522   PWOPRMHS0001390   PWOPRMHS0001391   38.1       0.013      317.49     317.41     0          0
;NA
PWOPRSES0001524   PWOPRMHS0001392   PWOPRMHS0001391   54.7       0.013      318.18     317.41     0          0
;NA
PWOPRSES0001525   PWOPRMHS0001422   PWOPRMHS0001373   64.5       0.013      320.28     320.06     0          0
;NA
PWOPRSES0001530   PWOPRMHS0001404   PWOPRMHS0001393   106.8      0.013      320.54     320.21     0          0
;NA
PWOPRSES0001534   PWOPRMHS0001388   PWOPRMHS0001387   54.9       0.013      318.93     318.79     0          0
;NA
PWOPRSES0001535   PWOPRMHS0001389   PWOPRMHS0001388   54.9       0.013      319.13     318.93     0          0
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;NA
PWOPRSES0001536  PWOPRMHS0001369  PWOPRMHS0001389  63.9       0.013      319.39     319.19     0          0
;NA
PWOPRSES0001537  PWOPRMHS0001415  PWOPRMHS0001369  76.2       0.013      319.68     319.44     0          0
;NA
PWOPRSES0001538  PWOPRMHS0001373  PWOPRMHS0001415  13.3       0.013      320.02     319.68     0          0
;NA
PWOPRSES0001541  PWOPRMHS0001399  PWOPRMHS0001400  34.7       0.013      317.15     316.99     0          0
;NA
PWOPRSES0001542  PWOPRMHS0001400  PWOPRMHS0001401  58.2       0.013      316.99     316.69     0          0
;NA
PWOPRSES0001543  PWOPRMHS0001401  13               169.918    0.013      316.67     314.5      0          0
;NA
PWOPRSES0001544  PWOPRMHS0001402  36               219.005    0.013      316.5      315.5      0          0
;NA
PWOPRSES0001545  PWOPRMHS0001395  PWOPRMHS0001402  49         0.013      316.79     316.62     0          0
;NA
PWOPRSES0001546  PWOPRMHS0001916  PWOPRMHS0001855  20.24      0.013      327.59     326.87     0          0
;NA
PWOPRSES0001547  PWOPRMHS0001856  PWOPRMHS0001916  16.46      0.013      327.73     327.6      0          0
;NA
PWOPRSES0001548  PWOPRMHS0001804  PWOPRMHS0001855  104.4      0.013      331.98     326.78     0          0
;NA
PWOPRSES0001551  PWOPRMHS0001915  PWOPRMHS0001856  68.43      0.013      329.19     327.81     0          0
;NA
PWOPRSES0001555  PWOPRMHS0001855  PWOPRMHS0001857  76.66      0.013      326.21     322.57     0          0
;NA
PWOPRSES0001556  PWOPRMHS0001857  PWOPRMHS0001437  62.61      0.013      322.43     319.38     0          0
;NA
PWOPRSES0001557  PWOPRMHS0001433  PWOPRMHS0001418  11.89      0.01       319.78     319.3      0          0
;NA
PWOPRSES0001558  PWOPRMHS0001416  PWOPRMHS0001418  80.71      0.01       318.99     318.745    0          0
;NA
PWOPRSES0001559  PWOPRMHS0001403  MHSWM4           83.375     0.01       321.7      319.25     0          0
;NA
PWOPRSES0001564  PWOPRMHS0001437  PWOPRMHS0001436  15.24      0.01       319.38     319.02     0          0
;NA
PWOPRSES0001565  PWOPRMHS0001436  PWOPRMHS0001438  62.18      0.013      318.35     318.2      0          0
;NA
PWOPRSES0001566  PWOPRMHS0001418  PWOPRMHS0001436  104.55     0.013      318.73     318.41     0          0
;NA
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PWOPRSES0001567  PWOPRMHS0001435  PWOPRMHS0001438  19.81      0.013      319.64     319.43     0          0
;NA
PWOPRSES0001571  PWOPRMHS0001796  PWOPRMHS0001797  35.4       0.013      326.65     326.42     0          0
;NA
PWOPRSES0001572  PWOPRMHS0001788  PWOPRMHS0001403  58.83      0.013      322.94     321.7      0          0
;NA
PWOPRSES0001575  PWOPRMHS0001386  S_D4             174.444    0.013      318.61     318        0          0
;NA
PWOPRSES0001576  MHEasement2      PWOPRMHS0001386  27.2       0.013      318.7      318.61     0          0
;NA
PWOPRSES0001577  PWOPRMHS0001387  PWOPRMHS0001386  30.8       0.013      318.75     318.61     0          0
;NA
PWOPRSES0001579  PWOPRMHS0001421  PWOPRMHS0001420  29.1       0.013      320.94     320.57     0          0
;NA
PWOPRSES0001580  PWOPRMHS0001420  PWOPRMHS0001419  29.3       0.013      320.5      320.06     0          0
;NA
PWOPRSES0001581  PWOPRMHS0001419  PWOPRMHS0001374  33.3       0.013      319.99     319.74     0          0
;NA
PWOPRSES0001582  PWOPRMHS0001374  PWOPRMHS0001375  13.6       0.013      319.69     319.61     0          0
;NA
PWOPRSES0001583  PWOPRMHS0001372  PWOPRMHS0001371  10.9       0.013      320.15     319.87     0          0
;NA
PWOPRSES0001584  PWOPRMHS0001371  PWOPRMHS0001370  11.3       0.013      319.82     319.49     0          0
;NA
PWOPRSES0001585  PWOPRMHS0001375  PWOPRMHS0001370  53.2       0.013      319.57     319.27     0          0
;NA
PWOPRSES0001586  PWOPRMHS0001424  PWOPRMHS0001423  48.5       0.013      320.96     320.52     0          0
;NA
PWOPRSES0001587  PWOPRMHS0001370  MHEasement1      21.3       0.013      319.27     319.07     0          0
;NA
PWOPRSES0001633  PWOPRMHS0001413  PWOPRMHS0001412  14.33      0.013      331.74     331.69     0          0
;NA
PWOPRSES0001634  PWOPRMHS0001622  PWOPRMHS0001412  75.13      0.013      332.73     331.96     0          0
;NA
PWOPRSES0001654  PWOPRMHS0001634  PWOPRMHS0001791  141.73     0.013      326.21     325.67     0          0
;NA
PWOPRSES0001655  PWOPRMHS0001792  PWOPRMHS0001836  77.27      0.013      325.24     324.6      0          0
;NA
PWOPRSES0001656  PWOPRMHS0001836  PWOPRMHS0001788  152.1      0.013      324.56     323.43     0          0
;NA
PWOPRSES0001658  PWOPRMHS0001410  PWOPRMHS0001634  81.69      0.013      326.47     326.21     0          0
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;NA
PWOPRSES0001660  PWOPRMHS0001791  PWOPRMHS0001792  72.09      0.013      325.59     325.38     0          0
;NA
PWOPRSES0001662  PWOPRMHS0001798  PWOPRMHS0001792  15.39      0.013      326.06     325.85     0          0
;NA
PWOPRSES0001663  PWOPRMHS0001797  PWOPRMHS0001798  39.1       0.013      326.4      326.13     0          0
;NA
PWOPRSES0001667  MHSWM4           PWOPRMHS0001416  26.6       0.013      319.25     319.01     0          0
;NA
PWOPRSES0001679  PWOPRMHS0001409  PWOPRMHS0001410  54.56      0.013      327.81     327.07     0          0
;NA
PWOPRSES0001680  PWOPRMHS0001411  PWOPRMHS0001410  15.24      0.013      327.47     327        0          0
;NA
PWOPRSES0001681  PWOPRMHS0001412  PWOPRMHS0001411  74.68      0.013      331.69     327.81     0          0
;NA
PWOPRSES0001682  PWOPRMHS0001767  PWOPRMHS0001410  89.46      0.013      327.25     326.84     0          0
;NA
PWOPRSES0001684  PWOPRMHS0001768  PWOPRMHS0001767  42.22      0.013      327.85     327.53     0          0
;NA
PWOPRSES0001687  PWOPRMHS0001655  PWOPRMHS0001649  18         0.013      330        329.33     0          0
;NA
PWOPRSES0001688  PWOPRMHS0001649  PWOPRMHS0001652  101        0.013      329.21     326.99     0          0
;NA
PWOPRSES0001698  PWOPRMHS0001652  PWOPRMHS0001664  21         0.013      326.89     326.35     0          0
;NA
PWOPRSES0001699  PWOPRMHS0001664  PWOPRMHS0001653  58.5       0.013      326.35     325.29     0          0
PWOPRSES0001711  PWOPRMHS0001706  PWOPRMHS0001677  81.3       0.013      327.14     326.76     0          0
PWOPRSES0001712  PWOPRMHS0001678  PWOPRMHS0001677  8.3        0.013      327.01     326.78     0          0
PWOPRSES0001713  PWOPRMHS0001677  PWOPRMHS0001676  42.6       0.013      326.59     326.4      0          0
;NA
PWOPRSES0001718  PWOPRMHS0001736  PWOPRMHS0001878  70.1       0.013      323.4      323.28     0          0
;NA
PWOPRSES0001720  PWOPRMHS0001733  PWOPRMHS0001736  33.3       0.013      324.05     323.83     0          0
;NA
PWOPRSES0001721  PWOPRMHS0001697  PWOPRMHS0001736  96.7       0.013      323.91     323.52     0          0
PWOPRSES0001724  PWOPRMHS0001689  PWOPRMHS0001687  74.5       0.013      326.61     326.4      0          0
PWOPRSES0001725  PWOPRMHS0001687  PWOPRMHS0001688  41         0.013      326.4      326.2      0          0
PWOPRSES0001728  PWOPRMHS0001688  PWOPRMHS0001674  17.1       0.013      326.1      326.01     0          0
PWOPRSES0001730  PWOPRMHS0001674  PWOPRMHS0001713  86.1       0.013      325.88     325.51     0          0
PWOPRSES0001732  PWOPRMHS0001705  PWOPRMHS0001688  74         0.013      328.53     327.53     0          0
PWOPRSES0001733  PWOPRMHS0001676  PWOPRMHS0001674  15.4       0.013      326.33     326.32     0          0
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PWOPRSES0001744  PWOPRMHS0001746  PWOPRMHS0001744  32.5       0.013      327.93     327.78     0          0
PWOPRSES0001745  PWOPRMHS0001686  PWOPRMHS0001682  11.1       0.013      328.55     328.21     0          0
PWOPRSES0001747  PWOPRMHS0002046  PWOPRMHS0001682  55.95      0.013      330.72     328.73     0          0
PWOPRSES0001748  PWOPRMHS0001682  PWOPRMHS0001689  94         0.013      328.1      326.73     0          0
PWOPRSES0001750  PWOPRMHS0001690  PWOPRMHS0001689  16.1       0.013      326.74     326.63     0          0
PWOPRSES0001753  PWOPRMHS0001691  PWOPRMHS0001690  42.5       0.01       326.982    326.74     0          0
PWOPRSES0001754  PWOPRMHS0001741  PWOPRMHS0002051  84.5       0.013      329.48     328.91     0          0
PWOPRSES0001755  PWOPRMHS0001745  PWOPRMHS0001746  32.1       0.013      328.06     327.95     0          0
PWOPRSES0001756  PWOPRMHS0001744  PWOPRMHS0001692  13.5       0.013      327.73     327.68     0          0
PWOPRSES0001757  PWOPRMHS0002051  PWOPRMHS0001745  32.8       0.013      328.27     328.14     0          0
PWOPRSES0001758  PWOPRMHS0001874  PWOPRMHS0001732  85.2       0.013      329.87     329.28     0          0
PWOPRSES0001759  PWOPRMHS0001692  PWOPRMHS0001743  70.9       0.01       327.57     327.315    0          0
PWOPRSES0001760  PWOPRMHS0001743  PWOPRMHS0001691  18.8       0.013      327.29     327.19     0          0
PWOPRSES0001761  PWOPRMHS0001919  PWOPRMHS0001691  18.5       0.013      327.8      327.71     0          0
PWOPRSES0001765A PWOPRMHS0001740  MHSchool         46.6       0.013      328.72     328.55     0          0
PWOPRSES0001765B MHSchool         PWOPRMHS0002051  24.3       0.013      328.55     328.46     0          0
PWOPRSES0001766  PWOPRMHS0002041  MHSchool         16.96      0.013      329.07     328.87     0          0
PWOPRSES0001768  PWOPRMHS0002050  PWOPRMHS0002051  17.64      0.013      328.97     328.76     0          0
PWOPRSES0001770  PWOPRMHS0001679  PWOPRMHS0001680  13.11      0.013      335.89     335.79     0          0
PWOPRSES0001771  PWOPRMHS0002095  PWOPRMHS0001680  13.41      0.013      336.04     335.26     0          0
;NA
PWOPRSES0001774  PWOPRMHS0001614  PWOPRMHS0001611  44         0.013      322.91     322.87     0          0
;NA
PWOPRSES0001775  PWOPRMHS0001611  18               28.03      0.01       322.87     322.5      0          0
;NA
PWOPRSES0001776  PWOPRMHS0001604  PWOPRMHS0001606  95.25      0.013      323.95     323.59     0          0
;NA
PWOPRSES0001777  PWOPRMHS0001602  PWOPRMHS0001598  89.8       0.013      325.98     325.52     0          0
;NA
PWOPRSES0001778  PWOPRMHS0001603  PWOPRMHS0001604  17.25      0.013      324.23     324.19     0          0
;NA
PWOPRSES0001779  PWOPRMHS0001610  PWOPRMHS0001606  32.8       0.013      325.44     323.59     0          0
;NA
PWOPRSES0001780  PWOPRMHS0001605  PWOPRMHS0001604  18         0.013      324.34     324.24     0          0
;NA
PWOPRSES0001781  PWOPRMHS0001597  PWOPRMHS0001605  61         0.013      324.78     324.38     0          0
;NA
PWOPRSES0001782  PWOPRMHS0001600  PWOPRMHS0001603  83.8       0.013      324.66     324.27     0          0
;NA
PWOPRSES0001783  PWOPRMHS0001601  PWOPRMHS0001602  19.4       0.013      326.15     326.05     0          0
;NA
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PWOPRSES0001784  PWOPRMHS0001606  PWOPRMHS0001667  88.4       0.013      323.57     323.2      0          0
;NA
PWOPRSES0001785  PWOPRMHS0001608  PWOPRMHS0001610  20.2       0.013      325.67     325.56     0          0
;NA
PWOPRSES0001786  PWOPRMHS0001598  PWOPRMHS0001610  3.8        0.013      325.49     325.47     0          0
;NA
PWOPRSES0001790  PWOPRMHS0001881  PWOPRMHS0001643  60         0.013      323.57     323.4      0          0
;NA
PWOPRSES0001791  PWOPRMHS0001643  PWOPRMHS0001642  22.5       0.013      323.38     323.27     0          0
;NA
PWOPRSES0001797  PWOPRMHS0001667  PWOPRMHS0001670  88.6       0.013      323.15     322.93     0          0
;NA
PWOPRSES0001798  PWOPRMHS0001670  22               88.074     0.01       322.92     322        0          0
;NA
PWOPRSES0001803  PWOPRMHS0001695  SWMPOND          96.049     0.013      322.25     322        0          0
;NA
PWOPRSES0001806  PWOPRMHS0001925  PWOPRMHS0001926  75.13      0.013      323.33     322.72     0          0
;NA
PWOPRSES0001807  PWOPRMHS0001928  SWMPOND          124.699    0.013      322.2      322        0          0
;NA
PWOPRSES0001808  PWOPRMHS0001947  PWOPRMHS0001930  58.92      0.013      324.02     323.47     0          0
;NA
PWOPRSES0001809  PWOPRMHS0001930  PWOPRMHS0001944  74.52      0.013      323.07     322.68     0          0
;NA
PWOPRSES0001810  PWOPRMHS0001945  PWOPRMHS0001944  67.21      0.013      323.32     322.92     0          0
;NA
PWOPRSES0001812  PWOPRMHS0001926  PWOPRMHS0001928  66.6       0.013      322.69     322.28     0          0
;NA
PWOPRSES0001819  PWOPRMHS0002082  PWOPRMHS0002083  90.7       0.013      326.71     325.38     0          0
;NA
PWOPRSES0001821  PWOPRMHS0002083  PWOPRMHS0002084  10.5       0.013      325.32     325.21     0          0
;NA
PWOPRSES0001822  PWOPRMHS0002085  PWOPRMHS0002083  78.1       0.013      329.39     325.84     0          0
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;NA
PWOPRSES0001826  PWOPRMHS0001889  PWOPRMHS0001890  13.05      0.013      324.63     324.62     0          0
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PWOPRSES0002120  PWOPRMHS0001732  PWOPRMHS0001739  9.7        0.013      328.98     328.92     0          0
PWOPRSES0002121  PWOPRMHS0001729  PWOPRMHS0001732  18.6       0.013      329.08     329.04     0          0
PWOPRSES0002122  PWOPRMHS0001739  PWOPRMHS0001740  15.5       0.013      328.89     328.77     0          0
PWOPRSES0003435  PWOPRMHS0003137  PWOPRMHS0003136  23.4       0.013      329.5      328.99     0          0
PWOPRSES0003436  PWOPRMHS0003136  PWOPRMHS0001686  50.2       0.013      328.89     328.62     0          0
PWOPRSES0003439  PWOPRMHS0003140  PWOPRMHS0001678  48.8       0.013      327.35     327.07     0          0
PWOPRSES0003446  PWOPRMHS0003146  PWOPRMHS0003147  50.75      0.013      334.6      334.5      0          0
PWOPRSES0003447  PWOPRMHS0003147  PWOPRMHS0003148  22         0.013      333.79     332.64     0          0
PWOPRSES0003448  PWOPRMHS0003148  PWOPRMHS0003149  9.25       0.013      331.89     331.68     0          0
PWOPRSES0003449  PWOPRMHS0003149  PWOPRMHS0003137  58.3       0.013      330.86     329.6      0          0
PWOPRSES0003457  PWOPRMHS0003153  PWOPRMHS0001679  35.97      0.013      336.16     335.89     0          0
PWOPRSES0003465  PWOPRMHS0003160  PWOPRMHS0003146  19.51      0.013      335.5      335.01     0          0
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;NA
STMEasement      MHEasement1      MHEasement2      72.3       0.013      319.07     318.7      0          0
SWMPOND_OUT      SWMPOND          24               215.307    0.013      322        320.5      0          0

[XSECTIONS]
;;Link           Shape        Geom1            Geom2      Geom3      Geom4      Barrels
;;-------------- ------------ ---------------- ---------- ---------- ---------- ----------
1                TRAPEZOIDAL  3                2          1          1          1
10               TRAPEZOIDAL  3                2          1          1          1
11               TRAPEZOIDAL  3                2          1          1          1
12               RECT_CLOSED  2                2          0          0          1
13               TRAPEZOIDAL  3                2          1          1          1
14               TRAPEZOIDAL  3                2          1          1          1
15               TRAPEZOIDAL  3                2          1          1          1
16               TRAPEZOIDAL  3                2          1          1          1
17               TRAPEZOIDAL  3                2          1          1          1
18               TRAPEZOIDAL  3                2          1          1          1
19               TRAPEZOIDAL  3                2          1          1          1
2                TRAPEZOIDAL  3                2          1          1          1
20               TRAPEZOIDAL  3                2          1          1          1
21               TRAPEZOIDAL  3                3          1          1          1
22               TRAPEZOIDAL  3                2          1          1          1
23               TRAPEZOIDAL  3                2          1          1          1
24               TRAPEZOIDAL  3                2          1          1          1
25               TRAPEZOIDAL  3                2          1          1          1
26               TRAPEZOIDAL  3                2          1          1          1
27               TRAPEZOIDAL  3                2          1          1          1
28               TRAPEZOIDAL  3                2          1          1          1
29               TRAPEZOIDAL  3                2          1          1          1
3                TRAPEZOIDAL  3                2          1          1          1
30               TRAPEZOIDAL  3                2          1          1          1
31               TRAPEZOIDAL  3                2          1          1          1
32               TRAPEZOIDAL  3                2          1          1          1
33               TRAPEZOIDAL  3                2          1          1          1
34               TRAPEZOIDAL  3                2          1          1          1
35               TRAPEZOIDAL  3                2          1          1          1
36               TRAPEZOIDAL  3                2          1          1          1
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37	TRAPEZOIDAL	3	2	1	1	1
38	TRAPEZOIDAL	3	2	1	1	1
39	TRAPEZOIDAL	3	2	1	1	1
4	TRAPEZOIDAL	3	2	1	1	1
40	TRAPEZOIDAL	3	2	1	1	1
41	TRAPEZOIDAL	3	2	1	1	1
43	TRAPEZOIDAL	3	2	1	1	1
44	TRAPEZOIDAL	3	2	1	1	1
45	RECT_OPEN	2	15	1	0	1
46	RECT_OPEN	2	15	1	0	1
47	TRAPEZOIDAL	3	2	1	1	1
48	TRAPEZOIDAL	3	2	1	1	1
49	RECT_OPEN	2	15	1	0	1
5	TRAPEZOIDAL	3	2	1	1	1
50	TRAPEZOIDAL	3	2	1	1	1
51	RECT_OPEN	2	15	1	0	1
52	TRAPEZOIDAL	3	2	1	1	1
53	RECT_OPEN	2	15	1	0	1
54	TRAPEZOIDAL	3	2	1	1	1
55	RECT_OPEN	2	15	1	0	1
56	RECT_OPEN	2	15	1	0	1
57	TRAPEZOIDAL	3	2	1	1	1
58	TRAPEZOIDAL	3	2	1	1	1
59	RECT_OPEN	2	15	1	0	1
6	TRAPEZOIDAL	3	2	1	1	1
60	TRAPEZOIDAL	3	2	1	1	1
61	RECT_OPEN	2	15	1	0	1
62	RECT_OPEN	2	15	1	0	1
63	TRAPEZOIDAL	3	2	1	1	1
64	RECT_OPEN	2	15	1	0	1
65	TRAPEZOIDAL	3	2	1	1	1
66	RECT_OPEN	2	15	1	0	1
67	RECT_OPEN	2	15	1	0	1
68	TRAPEZOIDAL	3	2	1	1	1
7	TRAPEZOIDAL	3	2	1	1	1
70	TRAPEZOIDAL	3	2	1	1	1
8	TRAPEZOIDAL	4	2	1	1	1
9	TRAPEZOIDAL	3	2	1	1	1
PWOPRSES0001498	CIRCULAR	2	0	0	0	1
PWOPRSES0001507	CIRCULAR	2	0	0	0	1
PWOPRSES0001510	CIRCULAR	2	0	0	0	1

PWOPRSES0001511	CIRCULAR	2	0	0	0	1
PWOPRSES0001512	CIRCULAR	2	0	0	0	1
PWOPRSES0001515	CIRCULAR	2	0	0	0	1
PWOPRSES0001516	CIRCULAR	2	0	0	0	1
PWOPRSES0001518	CIRCULAR	2	0	0	0	1
PWOPRSES0001519	HORIZ_ELLIPSE	2	1.15	0	0	1
PWOPRSES0001520	CIRCULAR	2	0	0	0	1
PWOPRSES0001521	CIRCULAR	2	0	0	0	1
PWOPRSES0001522	CIRCULAR	2	0	0	0	1
PWOPRSES0001524	CIRCULAR	2	0	0	0	1
PWOPRSES0001525	CIRCULAR	2	0	0	0	1
PWOPRSES0001530	HORIZ_ELLIPSE	2	1.15	0	0	1
PWOPRSES0001534	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001535	HORIZ_ELLIPSE	2	1.345	0	0	1
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PWOPRSES0001538	CIRCULAR	2	0	0	0	1
PWOPRSES0001541	CIRCULAR	2	0	0	0	1
PWOPRSES0001542	CIRCULAR	2	0	0	0	1
PWOPRSES0001543	CIRCULAR	3	0	0	0	1
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PWOPRSES0001546	CIRCULAR	2	0	0	0	1
PWOPRSES0001547	CIRCULAR	2	0	0	0	1
PWOPRSES0001548	CIRCULAR	2	0	0	0	1
PWOPRSES0001551	CIRCULAR	2	0	0	0	1
PWOPRSES0001555	CIRCULAR	2	0	0	0	1
PWOPRSES0001556	CIRCULAR	2	0	0	0	1
PWOPRSES0001557	CIRCULAR	2.5	0	0	0	1
PWOPRSES0001558	CIRCULAR	2.5	0	0	0	1
PWOPRSES0001559	CIRCULAR	2	0	0	0	1
PWOPRSES0001564	CIRCULAR	2	0	0	0	1
PWOPRSES0001565	CIRCULAR	2.5	0	0	0	1
PWOPRSES0001566	CIRCULAR	2.5	0	0	0	1
PWOPRSES0001567	CIRCULAR	2.5	0	0	0	1
PWOPRSES0001571	CIRCULAR	2	0	0	0	1
PWOPRSES0001572	CIRCULAR	2	0	0	0	1
PWOPRSES0001575	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001576	CIRCULAR	2	0	0	0	1
PWOPRSES0001577	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001579	CIRCULAR	2	0	0	0	1

PWOPRSES0001580	CIRCULAR	2	0	0	0	1
PWOPRSES0001581	CIRCULAR	2	0	0	0	1
PWOPRSES0001582	CIRCULAR	2	0	0	0	1
PWOPRSES0001583	CIRCULAR	2	0	0	0	1
PWOPRSES0001584	CIRCULAR	2	0	0	0	1
PWOPRSES0001585	CIRCULAR	2	0	0	0	1
PWOPRSES0001586	CIRCULAR	2	0	0	0	1
PWOPRSES0001587	CIRCULAR	2	0	0	0	1
PWOPRSES0001633	CIRCULAR	2	0	0	0	1
PWOPRSES0001634	CIRCULAR	2	0	0	0	1
PWOPRSES0001654	CIRCULAR	2	0	0	0	1
PWOPRSES0001655	CIRCULAR	2	0	0	0	1
PWOPRSES0001656	CIRCULAR	2	0	0	0	1
PWOPRSES0001658	CIRCULAR	2	0	0	0	1
PWOPRSES0001660	CIRCULAR	2	0	0	0	1
PWOPRSES0001662	CIRCULAR	2	0	0	0	1
PWOPRSES0001663	CIRCULAR	2	0	0	0	1
PWOPRSES0001667	CIRCULAR	2	0	0	0	1
PWOPRSES0001679	CIRCULAR	2	0	0	0	1
PWOPRSES0001680	CIRCULAR	2	0	0	0	1
PWOPRSES0001681	CIRCULAR	2	0	0	0	1
PWOPRSES0001682	CIRCULAR	2	0	0	0	1
PWOPRSES0001684	CIRCULAR	2	0	0	0	1
PWOPRSES0001687	CIRCULAR	2	0	0	0	1
PWOPRSES0001688	CIRCULAR	2	0	0	0	1
PWOPRSES0001698	CIRCULAR	2	0	0	0	1
PWOPRSES0001699	CIRCULAR	2	0	0	0	1
PWOPRSES0001711	CIRCULAR	2	0	0	0	1
PWOPRSES0001712	CIRCULAR	2	0	0	0	1
PWOPRSES0001713	CIRCULAR	2	0	0	0	1
PWOPRSES0001718	CIRCULAR	2	0	0	0	1
PWOPRSES0001720	CIRCULAR	2	0	0	0	1
PWOPRSES0001721	CIRCULAR	2	0	0	0	1
PWOPRSES0001724	HORIZ_ELLIPSE	2	1.73	0	0	1
PWOPRSES0001725	HORIZ_ELLIPSE	2	1.73	0	0	1
PWOPRSES0001728	HORIZ_ELLIPSE	2	1.73	0	0	1
PWOPRSES0001730	HORIZ_ELLIPSE	2	1.92	0	0	1
PWOPRSES0001732	CIRCULAR	2	0	0	0	1
PWOPRSES0001733	CIRCULAR	2	0	0	0	1
PWOPRSES0001744	CIRCULAR	2	0	0	0	1
PWOPRSES0001745	CIRCULAR	2	0	0	0	1

PWOPRSES0001747	CIRCULAR	2	0	0	0	1
PWOPRSES0001748	CIRCULAR	2	0	0	0	1
PWOPRSES0001750	CIRCULAR	2	0	0	0	1
PWOPRSES0001753	CIRCULAR	2	0	0	0	1
PWOPRSES0001754	CIRCULAR	2	0	0	0	1
PWOPRSES0001755	CIRCULAR	2	0	0	0	1
PWOPRSES0001756	CIRCULAR	2	0	0	0	1
PWOPRSES0001757	CIRCULAR	2	0	0	0	1
PWOPRSES0001758	CIRCULAR	2	0	0	0	1
PWOPRSES0001759	CIRCULAR	2	0	0	0	1
PWOPRSES0001760	CIRCULAR	2	0	0	0	1
PWOPRSES0001761	CIRCULAR	2	0	0	0	1
PWOPRSES0001765A	CIRCULAR	2	0	0	0	1
PWOPRSES0001765B	CIRCULAR	2	0	0	0	1
PWOPRSES0001766	CIRCULAR	2	0	0	0	1
PWOPRSES0001768	CIRCULAR	2	0	0	0	1
PWOPRSES0001770	CIRCULAR	2	0	0	0	1
PWOPRSES0001771	CIRCULAR	2	0	0	0	1
PWOPRSES0001774	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001775	HORIZ_ELLIPSE	3	1.345	0	0	1
PWOPRSES0001776	CIRCULAR	2	0	0	0	1
PWOPRSES0001777	CIRCULAR	2	0	0	0	1
PWOPRSES0001778	CIRCULAR	2	0	0	0	1
PWOPRSES0001779	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001780	CIRCULAR	2	0	0	0	1
PWOPRSES0001781	CIRCULAR	2	0	0	0	1
PWOPRSES0001782	CIRCULAR	2	0	0	0	1
PWOPRSES0001783	CIRCULAR	2	0	0	0	1
PWOPRSES0001784	CIRCULAR	2	0	0	0	1
PWOPRSES0001785	CIRCULAR	2	0	0	0	1
PWOPRSES0001786	CIRCULAR	2	0	0	0	1
PWOPRSES0001790	CIRCULAR	2	0	0	0	1
PWOPRSES0001791	CIRCULAR	2	0	0	0	1
PWOPRSES0001797	CIRCULAR	2	0	0	0	1
PWOPRSES0001798	CIRCULAR	3	0	0	0	1
PWOPRSES0001803	CIRCULAR	2	0	0	0	1
PWOPRSES0001806	CIRCULAR	2	0	0	0	1
PWOPRSES0001807	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001808	CIRCULAR	2	0	0	0	1
PWOPRSES0001809	CIRCULAR	2	0	0	0	1
PWOPRSES0001810	CIRCULAR	2	0	0	0	1

PWOPRSES0001812	CIRCULAR	2	0	0	0	1
PWOPRSES0001819	CIRCULAR	2	0	0	0	1
PWOPRSES0001821	CIRCULAR	2	0	0	0	1
PWOPRSES0001822	CIRCULAR	2	0	0	0	1
PWOPRSES0001823	CIRCULAR	2	0	0	0	1
PWOPRSES0001824	CIRCULAR	2	0	0	0	1
PWOPRSES0001825	CIRCULAR	2	0	0	0	1
PWOPRSES0001826	CIRCULAR	2	0	0	0	1
PWOPRSES0001827	CIRCULAR	2	0	0	0	1
PWOPRSES0001828	CIRCULAR	2	0	0	0	1
PWOPRSES0001829	HORIZ_ELLIPSE	3	1.52	0	0	1
PWOPRSES0001840	CIRCULAR	2	0	0	0	1
PWOPRSES0001841	CIRCULAR	2	0	0	0	1
PWOPRSES0001842	CIRCULAR	2	0	0	0	1
PWOPRSES0001844	CIRCULAR	2	0	0	0	1
PWOPRSES0001845	CIRCULAR	2	0	0	0	1
PWOPRSES0001855	CIRCULAR	2	0	0	0	1
PWOPRSES0001856	CIRCULAR	2	0	0	0	1
PWOPRSES0001861	CIRCULAR	2	0	0	0	1
PWOPRSES0001862	CIRCULAR	2	0	0	0	1
PWOPRSES0001865	CIRCULAR	2	0	0	0	1
PWOPRSES0001866	CIRCULAR	2	0	0	0	1
PWOPRSES0001868	CIRCULAR	2	0	0	0	1
PWOPRSES0001890	CIRCULAR	2	0	0	0	1
PWOPRSES0001891	CIRCULAR	2	0	0	0	1
PWOPRSES0001892	CIRCULAR	2	0	0	0	1
PWOPRSES0001895	CIRCULAR	2	0	0	0	1
PWOPRSES0001896	CIRCULAR	2	0	0	0	1
PWOPRSES0001897	CIRCULAR	2	0	0	0	1
PWOPRSES0001899	CIRCULAR	2	0	0	0	1
PWOPRSES0001900	CIRCULAR	2	0	0	0	1
PWOPRSES0001904	CIRCULAR	2	0	0	0	1
PWOPRSES0001905	CIRCULAR	2	0	0	0	1
PWOPRSES0001906	CIRCULAR	2	0	0	0	1
PWOPRSES0001919	CIRCULAR	2	0	0	0	1
PWOPRSES0001930	CIRCULAR	2	0	0	0	1
PWOPRSES0001931	CIRCULAR	2	0	0	0	1
PWOPRSES0001932	CIRCULAR	2	0	0	0	1
PWOPRSES0001941	CIRCULAR	2	0	0	0	1
PWOPRSES0001942	CIRCULAR	2	0	0	0	1
PWOPRSES0001943	CIRCULAR	2	0	0	0	1

PWOPRSES0001944	CIRCULAR	2	0	0	0	1
PWOPRSES0001951	CIRCULAR	2	0	0	0	1
PWOPRSES0001952	CIRCULAR	2	0	0	0	1
PWOPRSES0001960	CIRCULAR	2	0	0	0	1
PWOPRSES0001961	CIRCULAR	2	0	0	0	1
PWOPRSES0001962	CIRCULAR	2	0	0	0	1
PWOPRSES0001963	CIRCULAR	2	0	0	0	1
PWOPRSES0001968	CIRCULAR	2	0	0	0	1
PWOPRSES0001972	CIRCULAR	2	0	0	0	1
PWOPRSES0001976	CIRCULAR	2.5	0	0	0	1
PWOPRSES0001977	CIRCULAR	2	0	0	0	1
PWOPRSES0001978	CIRCULAR	3	0	0	0	1
PWOPRSES0001979	CIRCULAR	2	0	0	0	1
PWOPRSES0001984	CIRCULAR	2.5	0	0	0	1
PWOPRSES0002119	CIRCULAR	2	0	0	0	1
PWOPRSES0002120	CIRCULAR	2	0	0	0	1
PWOPRSES0002121	CIRCULAR	2	0	0	0	1
PWOPRSES0002122	CIRCULAR	2	0	0	0	1
PWOPRSES0003435	CIRCULAR	2	0	0	0	1
PWOPRSES0003436	CIRCULAR	2	0	0	0	1
PWOPRSES0003439	CIRCULAR	2	0	0	0	1
PWOPRSES0003446	CIRCULAR	2	0	0	0	1
PWOPRSES0003447	CIRCULAR	2	0	0	0	1
PWOPRSES0003448	CIRCULAR	2	0	0	0	1
PWOPRSES0003449	CIRCULAR	2	0	0	0	1
PWOPRSES0003457	CIRCULAR	2	0	0	0	1
PWOPRSES0003465	CIRCULAR	2	0	0	0	1
PWOPRSES0003466	CIRCULAR	2	0	0	0	1
PWOPRSES0004584	CIRCULAR	2	0	0	0	1
PWOPRSES0004585	CIRCULAR	2	0	0	0	1
PWOPRSES0004586	CIRCULAR	2	0	0	0	1
PWOPRSES0004587	CIRCULAR	2	0	0	0	1
PWOPRSES0004588	CIRCULAR	2	0	0	0	1
PWOPRSES0004589	CIRCULAR	2	0	0	0	1
PWOPRSES0004590	CIRCULAR	2	0	0	0	1
PWOPRSES0004591	HORIZ_ELLIPSE	2	1.535	0	0	1
PWOPRSES0004592	HORIZ_ELLIPSE	2	1.535	0	0	1
PWOPRSES0004593	CIRCULAR	2	0	0	0	1
PWOPRSES0004594	HORIZ_ELLIPSE	2	1.535	0	0	1
PWOPRSES0004597	CIRCULAR	2	0	0	0	1
PWOPRSES0004603	CIRCULAR	2	0	0	0	1

PWOPRSES0004637	CIRCULAR	2	0	0	0	1
PWOPRSES0005529	CIRCULAR	2	0	0	0	1
PWOPRSES0005530	CIRCULAR	2	0	0	0	1
PWOPRSES0005531	CIRCULAR	2	0	0	0	1
PWOPRSES0005532	CIRCULAR	2	0	0	0	1
PWOPRSES0005534	CIRCULAR	2	0	0	0	1
PWOPRSES0005535	CIRCULAR	2	0	0	0	1
PWOPRSES0005536	CIRCULAR	2	0	0	0	1
PWOPRSES0005537	CIRCULAR	2	0	0	0	1
PWOPRSES0005539	CIRCULAR	2	0	0	0	1
PWOPRSES0005540	CIRCULAR	2	0	0	0	1
PWOPRSES0005541	CIRCULAR	2	0	0	0	1
PWOPRSES0005710	HORIZ_ELLIPSE	3	1.92	0	0	1
PWOPRSES0005734	CIRCULAR	2	0	0	0	1
PWOPRSES0005735	CIRCULAR	2	0	0	0	1
PWOPRSES0005736	CIRCULAR	2	0	0	0	1
PWOPRSES0005739	CIRCULAR	2	0	0	0	1
PWOPRSES0005744	CIRCULAR	2	0	0	0	1
PWOPRSES0005766	CIRCULAR	2	0	0	0	1
PWOPRSES0005767	CIRCULAR	2	0	0	0	1
PWOPRSES0005768	CIRCULAR	2	0	0	0	1
PWOPRSES0005769	CIRCULAR	3	0	0	0	1
PWOPRSES0005770	CIRCULAR	2	0	0	0	1
PWOPRSES0005771	CIRCULAR	2	0	0	0	1
PWOPRSES0006537	CIRCULAR	2	0	0	0	1
PWOPRSES0006538	CIRCULAR	2	0	0	0	1
PWOPRSES0006542	CIRCULAR	2	0	0	0	1
PWOPRSES0006547	CIRCULAR	2	0	0	0	1
PWOPRSES0006548	CIRCULAR	2	0	0	0	1
PWOPRSES0006549	CIRCULAR	2	0	0	0	1
PWOPRSES0006550	CIRCULAR	2	0	0	0	1
PWOPRSES0006551	CIRCULAR	2	0	0	0	1
PWOPRSES0006552	CIRCULAR	2	0	0	0	1
PWOPRSES0006553	CIRCULAR	3	0	0	0	1
PWOPRSES0006554	CIRCULAR	2	0	0	0	1
PWOPRSES0006555	CIRCULAR	2	0	0	0	1
PWOPRSES0006576	CIRCULAR	2	0	0	0	1
PWOPRSES0006577	CIRCULAR	2	0	0	0	1
STMEasement	CIRCULAR	2	0	0	0	1
SWMPOND_OUT	CIRCULAR	3	0	0	0	1

```
[TRANSECTS]
;;Transect Data in HEC-2 format
;
;Full street, width = 8m, curb = 0.15m , cross-slope = 0.02m/m, bank-slope = 0.02m/m, bank-height = 0.3m.
NC 0.03     0.03     0.013
X1 2LaneRd           7        7.5      15.5     0.0      0.0      0.0      0.0      0.0
GR 0.3      0        0.15     7.5      0        7.5      0.08     11.5     0        15.5
GR 0.15     15.5     0.3      23
;
;Full street, width = 16m, curb = 0.15m , cross-slope = 0.02m/m, bank-slope = 0.02m/m, bank-height = 0.30m.
NC 0.03     0.03     0.013
X1 4LaneRd           7        7.5      23.5     0.0      0.0      0.0      0.0      0.0
GR 0.3      0        0.15     7.5      0        7.5      0.16     15.5     0        23.5
GR 0.15     23.5     0.3      31

[LOSSES]
;;Link           Inlet      Outlet     Average    Flap Gate  SeepageRate
;;-------------- ---------- ---------- ---------- ---------- ----------
PWOPRSES0001498  0          0.15       0          NO         0
PWOPRSES0001507  0          0.15       0          NO         0
PWOPRSES0001510  0          1          0          NO         0
PWOPRSES0001511  0          0.15       0          NO         0
PWOPRSES0001512  0          0.15       0          NO         0
PWOPRSES0001515  0          0.15       0          NO         0
PWOPRSES0001516  0          0.15       0          NO         0
PWOPRSES0001518  0          0.15       0          NO         0
PWOPRSES0001519  0          0.15       0          NO         0
PWOPRSES0001520  0          1          0          NO         0
PWOPRSES0001521  0          0.15       0          NO         0
PWOPRSES0001522  0          0.15       0          NO         0
PWOPRSES0001524  0          1          0          NO         0
PWOPRSES0001525  0          0.15       0          NO         0
PWOPRSES0001530  0          0.15       0          NO         0
PWOPRSES0001534  0          0.15       0          NO         0
PWOPRSES0001535  0          0.15       0          NO         0
PWOPRSES0001536  0          0.15       0          NO         0
PWOPRSES0001537  0          0.15       0          NO         0
PWOPRSES0001538  0          1          0          NO         0
PWOPRSES0001541  0          0.15       0          NO         0
PWOPRSES0001542  0          1          0          NO         0
PWOPRSES0001543  0          0.15       0          NO         0
```

PWOPRSES0001544	0	0.15	0	NO	0
PWOPRSES0001545	0	0.15	0	NO	0
PWOPRSES0001546	0	0.75	0	NO	0
PWOPRSES0001547	0	0.75	0	NO	0
PWOPRSES0001548	0	0.15	0	NO	0
PWOPRSES0001551	0	0.75	0	NO	0
PWOPRSES0001555	0	0.15	0	NO	0
PWOPRSES0001556	0	0.75	0	NO	0
PWOPRSES0001557	0	1	0	NO	0
PWOPRSES0001558	0	0.75	0	NO	0
PWOPRSES0001559	0	0.15	0	NO	0
PWOPRSES0001564	0	1	0	NO	0
PWOPRSES0001565	0	0.75	0	NO	0
PWOPRSES0001566	0	0.75	0	NO	0
PWOPRSES0001572	0	0.75	0	NO	0
PWOPRSES0001575	0	0.15	0	NO	0
PWOPRSES0001576	0	0.15	0	NO	0
PWOPRSES0001577	0	1	0	NO	0
PWOPRSES0001579	0	0.15	0	NO	0
PWOPRSES0001580	0	0.15	0	NO	0
PWOPRSES0001581	0	0.15	0	NO	0
PWOPRSES0001582	0	0.15	0	NO	0
PWOPRSES0001583	0	0.15	0	NO	0
PWOPRSES0001584	0	1	0	NO	0
PWOPRSES0001585	0	1	0	NO	0
PWOPRSES0001586	0	1	0	NO	0
PWOPRSES0001587	0	0.15	0	NO	0
PWOPRSES0001633	0	1	0	NO	0
PWOPRSES0001634	0	1	0	NO	0
PWOPRSES0001654	0	0.75	0	NO	0
PWOPRSES0001655	0	1	0	NO	0
PWOPRSES0001656	0	0.15	0	NO	0
PWOPRSES0001658	0	0.85	0	NO	0
PWOPRSES0001660	0	1	0	NO	0
PWOPRSES0001662	0	0.75	0	NO	0
PWOPRSES0001679	0	1	0	NO	0
PWOPRSES0001680	0	1	0	NO	0
PWOPRSES0001681	0	0.15	0	NO	0
PWOPRSES0001682	0	0.15	0	NO	0
PWOPRSES0001684	0	1	0	NO	0
PWOPRSES0001687	0	0.85	0	NO	0

PWOPRSES0001688	0	0.75	0	NO	0
PWOPRSES0001698	0	0.75	0	NO	0
PWOPRSES0001699	0	0.75	0	NO	0
PWOPRSES0001711	0	0.15	0	NO	0
PWOPRSES0001712	0	0.75	0	NO	0
PWOPRSES0001713	0	0.75	0	NO	0
PWOPRSES0001724	0	0.85	0	NO	0
PWOPRSES0001725	0	0.75	0	NO	0
PWOPRSES0001728	0	0.75	0	NO	0
PWOPRSES0001730	0	0.15	0	NO	0
PWOPRSES0001732	0	0.75	0	NO	0
PWOPRSES0001733	0	0.75	0	NO	0
PWOPRSES0001744	0	0.75	0	NO	0
PWOPRSES0001745	0	0.75	0	NO	0
PWOPRSES0001747	0	0.15	0	NO	0
PWOPRSES0001748	0	0.15	0	NO	0
PWOPRSES0001750	0	0.75	0	NO	0
PWOPRSES0001753	0	0.75	0	NO	0
PWOPRSES0001754	0	1	0	NO	0
PWOPRSES0001755	0	0.45	0	NO	0
PWOPRSES0001756	0	0.75	0	NO	0
PWOPRSES0001757	0	0.45	0	NO	0
PWOPRSES0001758	0	0.15	0	NO	0
PWOPRSES0001759	0	0.75	0	NO	0
PWOPRSES0001760	0	0.75	0	NO	0
PWOPRSES0001761	0	0.75	0	NO	0
PWOPRSES0001765A	0	0.15	0	NO	0
PWOPRSES0001765B	0	0.15	0	NO	0
PWOPRSES0001768	0	0.75	0	NO	0
PWOPRSES0001770	0	0.75	0	NO	0
PWOPRSES0001771	0	0.75	0	NO	0
PWOPRSES0001775	0	0.15	0	NO	0
PWOPRSES0001776	0	0.15	0	NO	0
PWOPRSES0001777	0	0.75	0	NO	0
PWOPRSES0001778	0	0.75	0	NO	0
PWOPRSES0001779	0	0.75	0	NO	0
PWOPRSES0001780	0	0.75	0	NO	0
PWOPRSES0001781	0	0.75	0	NO	0
PWOPRSES0001782	0	0.75	0	NO	0
PWOPRSES0001783	0	0.15	0	NO	0
PWOPRSES0001784	0	0.15	0	NO	0

PWOPRSES0001785	0	1	0	NO	0
PWOPRSES0001786	0	0.15	0	NO	0
PWOPRSES0001797	0	0.75	0	NO	0
PWOPRSES0001798	0	0.15	0	NO	0
PWOPRSES0001803	0	0.15	0	NO	0
PWOPRSES0001806	0	0.15	0	NO	0
PWOPRSES0001807	0	0.15	0	NO	0
PWOPRSES0001808	0	1	0	NO	0
PWOPRSES0001809	0	0.15	0	NO	0
PWOPRSES0001810	0	1	0	NO	0
PWOPRSES0001812	0	1	0	NO	0
PWOPRSES0001819	0	0.15	0	NO	0
PWOPRSES0001821	0	0.15	0	NO	0
PWOPRSES0001822	0	0.85	0	NO	0
PWOPRSES0001823	0	0.75	0	NO	0
PWOPRSES0001824	0	0.75	0	NO	0
PWOPRSES0001825	0	0.15	0	NO	0
PWOPRSES0001826	0	0.75	0	NO	0
PWOPRSES0001827	0	0.15	0	NO	0
PWOPRSES0001828	0	1	0	NO	0
PWOPRSES0001829	0	0.15	0	NO	0
PWOPRSES0001844	0	0.75	0	NO	0
PWOPRSES0001845	0	0.15	0	NO	0
PWOPRSES0001855	0	0.75	0	NO	0
PWOPRSES0001856	0	1	0	NO	0
PWOPRSES0001861	0	0.15	0	NO	0
PWOPRSES0001862	0	0.75	0	NO	0
PWOPRSES0001865	0	0.15	0	NO	0
PWOPRSES0001866	0	1	0	NO	0
PWOPRSES0001868	0	0.75	0	NO	0
PWOPRSES0001890	0	0.15	0	NO	0
PWOPRSES0001891	0	0.75	0	NO	0
PWOPRSES0001892	0	0.75	0	NO	0
PWOPRSES0001895	0	0.75	0	NO	0
PWOPRSES0001896	0	0.15	0	NO	0
PWOPRSES0001897	0	0.85	0	NO	0
PWOPRSES0001899	0	0.75	0	NO	0
PWOPRSES0001900	0	0.15	0	NO	0
PWOPRSES0001904	0	1	0	NO	0
PWOPRSES0001905	0	0.15	0	NO	0
PWOPRSES0001906	0	1	0	NO	0

PWOPRSES0001919	0	0.45	0	NO	0
PWOPRSES0001930	0	1	0	NO	0
PWOPRSES0001931	0	0.15	0	NO	0
PWOPRSES0001932	0	0.15	0	NO	0
PWOPRSES0001941	0	0.15	0	NO	0
PWOPRSES0001942	0	0.15	0	NO	0
PWOPRSES0001943	0	0.15	0	NO	0
PWOPRSES0001944	0	0.15	0	NO	0
PWOPRSES0001951	0	0.15	0	NO	0
PWOPRSES0001952	0	0.15	0	NO	0
PWOPRSES0001960	0	0.15	0	NO	0
PWOPRSES0001961	0	0.15	0	NO	0
PWOPRSES0001962	0	1	0	NO	0
PWOPRSES0001963	0	0.15	0	NO	0
PWOPRSES0001968	0	0.15	0	NO	0
PWOPRSES0001972	0	0.75	0	NO	0
PWOPRSES0001976	0	0.15	0	NO	0
PWOPRSES0001977	0	0.75	0	NO	0
PWOPRSES0001978	0	0.15	0	NO	0
PWOPRSES0001979	0	0.75	0	NO	0
PWOPRSES0001984	0	0.15	0	NO	0
PWOPRSES0002119	0	0.75	0	NO	0
PWOPRSES0002120	0	0.75	0	NO	0
PWOPRSES0002121	0	0.75	0	NO	0
PWOPRSES0002122	0	0.75	0	NO	0
PWOPRSES0003435	0	0.75	0	NO	0
PWOPRSES0003436	0	0.75	0	NO	0
PWOPRSES0003439	0	0.75	0	NO	0
PWOPRSES0003446	0	0.45	0	NO	0
PWOPRSES0003447	0	0.75	0	NO	0
PWOPRSES0003448	0	0.75	0	NO	0
PWOPRSES0003449	0	0.75	0	NO	0
PWOPRSES0003457	0	0.75	0	NO	0
PWOPRSES0003465	0	0.75	0	NO	0
PWOPRSES0003466	0	0.75	0	NO	0
PWOPRSES0004584	0	0.75	0	NO	0
PWOPRSES0004585	0	0.75	0	NO	0
PWOPRSES0004586	0	0.75	0	NO	0
PWOPRSES0004587	0	0.75	0	NO	0
PWOPRSES0004588	0	0.75	0	NO	0
PWOPRSES0004589	0	0.75	0	NO	0

PWOPRSES0004590	0	0.75	0	NO	0
PWOPRSES0004591	0	0.15	0	NO	0
PWOPRSES0004592	0	0.75	0	NO	0
PWOPRSES0004593	0	1	0	NO	0
PWOPRSES0004594	0	0.15	0	NO	0
PWOPRSES0004603	0	0.15	0	NO	0
PWOPRSES0004637	0	0.15	0	NO	0
PWOPRSES0005529	0	1	0	NO	0
PWOPRSES0005530	0	0.85	0	NO	0
PWOPRSES0005531	0	0.45	0	NO	0
PWOPRSES0005532	0	0.15	0	NO	0
PWOPRSES0005534	0	0.75	0	NO	0
PWOPRSES0005535	0	0.75	0	NO	0
PWOPRSES0005536	0	0.45	0	NO	0
PWOPRSES0005537	0	0.15	0	NO	0
PWOPRSES0005539	0	0.85	0	NO	0
PWOPRSES0005540	0	0.75	0	NO	0
PWOPRSES0005541	0	0.45	0	NO	0
PWOPRSES0005710	0	0.15	0	NO	0
PWOPRSES0005734	0	0.75	0	NO	0
PWOPRSES0005735	0	0.85	0	NO	0
PWOPRSES0005736	0	0.45	0	NO	0
PWOPRSES0005739	0	0.15	0	NO	0
PWOPRSES0005744	0	0.75	0	NO	0
PWOPRSES0005766	0	0.45	0	NO	0
PWOPRSES0005767	0	0.15	0	NO	0
PWOPRSES0005768	0	0.15	0	NO	0
PWOPRSES0005769	0	0.15	0	NO	0
PWOPRSES0005770	0	0.15	0	NO	0
PWOPRSES0005771	0	1	0	NO	0
PWOPRSES0006537	0	1	0	NO	0
PWOPRSES0006538	0	1	0	NO	0
PWOPRSES0006542	0	1	0	NO	0
PWOPRSES0006547	0	0.15	0	NO	0
PWOPRSES0006548	0	1	0	NO	0
PWOPRSES0006549	0	0.15	0	NO	0
PWOPRSES0006550	0	0.15	0	NO	0
PWOPRSES0006551	0	1	0	NO	0
PWOPRSES0006552	0	1	0	NO	0
PWOPRSES0006553	0	0.15	0	NO	0
PWOPRSES0006554	0	1	0	NO	0

```
PWOPRSES0006555  0          0.15       0          NO         0
PWOPRSES0006576  0          0.15       0          NO         0
PWOPRSES0006577  0          0.15       0          NO         0
STMEasement      0          0.15       0          NO         0

[CURVES]
;;Name           Type       X-Value    Y-Value
;;-------------- ---------- ---------- ----------
10CBs            Rating     0          0
10CBs                       0.02       0.6
10CBs                       0.3        0.6

11CBs            Rating     0          0
11CBs                       0.02       0.66
11CBs                       0.3        0.66

12CBs            Rating     0          0
12CBs                       0.02       0.72
12CBs                       0.3        0.72

13CBs            Rating     0          0
13CBs                       0.02       0.78
13CBs                       0.3        0.78

14CBs            Rating     0          0
14CBs                       0.02       0.84
14CBs                       0.3        0.84

15CBs            Rating     0          0
15CBs                       0.02       0.9
15CBs                       0.3        0.9

16CBs            Rating     0          0
16CBs                       0.02       0.96
16CBs                       0.3        0.96

17CBs            Rating     0          0
17CBs                       0.02       1.02
17CBs                       0.3        1.02

18CBs            Rating     0          0
18CBs                       0.02       1.08
```

18CBs		0.3	1.08
1CBs	Rating	0	0
1CBs		0.01	0.06
1CBs		0.3	0.06
21CBs	Rating	0	0
21CBs		0.02	1.26
21CBs		0.3	1.26
27CBs	Rating	0	0
27CBs		0.02	1.62
27CBs		0.3	1.62
2CBs	Rating	0	0
2CBs		0.01	0.12
2CBs		0.3	0.12
3CBs	Rating	0	0
3CBs		0.01	0.18
3CBs		0.3	0.18
4CBs	Rating	0	0
4CBs		0.01	0.24
4CBs		0.3	0.24
5CBs	Rating	0	0
5CBs		0.01	0.3
5CBs		0.3	0.3
6CBs	Rating	0	0
6CBs		0.01	0.36
6CBs		0.3	0.36
7CBs	Rating	0	0
7CBs		0.01	0.42
7CBs		0.3	0.42
8CBs	Rating	0	0
8CBs		0.01	0.48
8CBs		0.3	0.48

```
9CBs            Rating     0          0
9CBs                       0.01       0.54
9CBs                       0.3        0.54

SWM28RC         Rating     0          0
SWM28RC                    0.615      0
SWM28RC                    0.8        0
SWM28RC                    0.9        0
SWM28RC                    1          0
SWM28RC                    1.1        0.005
SWM28RC                    1.2        0.061
SWM28RC                    1.3        0.088
SWM28RC                    1.4        0.108
SWM28RC                    1.5        0.778
SWM28RC                    1.6        0.814
SWM28RC                    1.7        0.848
SWM28RC                    1.8        0.881
SWM28RC                    1.9        0.912
SWM28RC                    2          0.943
SWM28RC                    2.1        0.972
SWM28RC                    2.2        1.001
SWM28RC                    2.3        1.029
SWM28RC                    2.4        1.056
SWM28RC                    2.5        1.082
SWM28RC                    2.6        1.108
SWM28RC                    2.7        1.133
SWM28RC                    2.8        1.158

;Represents outflow via CB outlets to sewer.  Assumption CBs are at same level as PP (makes sense) - survey shows
them lower, which in turn doesn't match the photos in inventory.
SWM4RC          Rating     0          0
SWM4RC                     1.25       0
SWM4RC                     1.27       0.024
SWM4RC                     1.31       0.078
SWM4RC                     1.33       0.12
SWM4RC                     1.38       0.24
SWM4RC                     1.45       0.48
SWM4RC                     1.55       1.02
SWM4RC                     1.59       1.2
SWM4RC                     1.73       2.4
SWM4RC                     1.85       3.6
```

```
SWM4RC                      2          4.8

ParkStorage      Storage    0          0
ParkStorage                 0.7        900
ParkStorage                 1          16500
ParkStorage                 1.2        29000

SWM28            Storage    0          3450
SWM28                       0.615      3450
SWM28                       0.8        8500
SWM28                       0.9        8500
SWM28                       1          8500
SWM28                       1.1        8500
SWM28                       1.2        8500
SWM28                       1.3        8500
SWM28                       1.4        8500
SWM28                       1.5        8500
SWM28                       1.6        8500
SWM28                       1.7        8500
SWM28                       1.8        8500
SWM28                       1.9        8500
SWM28                       2          8500
SWM28                       2.1        8500
SWM28                       2.2        8500
SWM28                       2.3        8500
SWM28                       2.4        8500
SWM28                       2.5        8500
SWM28                       2.6        8500
SWM28                       2.7        8500
SWM28                       2.8        8500

;Approximated from TSH report base mapping.  Note that pipe inlet is partially submerged according to photos and
survey.  Dead storage has to be incorporated to allow inlet to discharge into pond below surface WL.  Assuming same
surface area between spillway height and very top (the approx 62.0 feet shown on as-built drawing)
SWM4Storage      Storage    0          1900
SWM4Storage                 1.25       1900
SWM4Storage                 1.55       2400
SWM4Storage                 2          2400

;Depth-Area relationship for forebay area of SWM Pond 7
SWM7FB           Storage    0          285
SWM7FB                      1          560
```

```
;Stage-Storage relationship for main cell of SWM Pond 7
SWM7MC           Storage    0          4235
SWM7MC                      1          4925

WetlandA1        Storage    0          0
WetlandA1                   0.5        1993
WetlandA1                   1          10128
WetlandA1                   1.5        19123
WetlandA1                   2          72071
WetlandA1                   2.5        81823
WetlandA1                   3          82759

WetlandA2        Storage    0          0
WetlandA2                   0.5        43647
WetlandA2                   1          98288
WetlandA2                   1.5        113931
WetlandA2                   2          114893
WetlandA2                   2.5        114932
WetlandA2                   3          114932

WetlandA3        Storage    0          12203
WetlandA3                   0.5        31285
WetlandA3                   1          84316
WetlandA3                   1.5        119057
WetlandA3                   2          147660
WetlandA3                   2.5        182929
WetlandA3                   3          251326
WetlandA3                   3.5        340723
WetlandA3                   4          451413
WetlandA3                   4.5        540607
WetlandA3                   5          566035
WetlandA3                   5.5        567097

WetlandA4        Storage    0          22748
WetlandA4                   0.5        37777
WetlandA4                   1          56843
WetlandA4                   1.5        85353
WetlandA4                   2          136310
WetlandA4                   2.5        254969
WetlandA4                   3          366650
```

```
WetlandA4                   3.5         464859
WetlandA4                   4           572352
WetlandA4                   4.5         643960
WetlandA4                   5           729815
WetlandA4                   5.5         794027

WetlandB1        Storage    0           748
WetlandB1                   0.5         2179
WetlandB1                   1           4353
WetlandB1                   1.5         18749
WetlandB1                   2           29524
WetlandB1                   2.5         30815
WetlandB1                   3           30837

WetlandB2        Storage    0           0
WetlandB2                   0.5         24588
WetlandB2                   1           28790
WetlandB2                   1.5         29102
WetlandB2                   2           29102
WetlandB2                   2.5         29102
WetlandB2                   3           29102

WetlandC1        Storage    0           0
WetlandC1                   0.5         2567
WetlandC1                   1           10045
WetlandC1                   1.5         21166
WetlandC1                   2           30166
WetlandC1                   2.5         31435
WetlandC1                   3           31518

WetlandD1        Storage    0           0
WetlandD1                   0.5         13522
WetlandD1                   1           58665
WetlandD1                   1.5         127160
WetlandD1                   2           131458
WetlandD1                   2.5         131580
WetlandD1                   3           131580

WetlandD2        Storage    0           650
WetlandD2                   0.5         7394
WetlandD2                   1           48890
```

```
WetlandD2                   1.5         89082
WetlandD2                   2           133528
WetlandD2                   2.5         153565
WetlandD2                   3           162160

WetlandD3        Storage    0           0
WetlandD3                   0.5         1820
WetlandD3                   1           46389
WetlandD3                   1.5         54012
WetlandD3                   2           56062
WetlandD3                   2.5         56124
WetlandD3                   3           56124

WetlandD4        Storage    0           157
WetlandD4                   0.5         10443
WetlandD4                   1           14310
WetlandD4                   1.5         30878
WetlandD4                   2           33670
WetlandD4                   2.5         34949
WetlandD4                   3           35215

WetlandE1        Storage    0           0
WetlandE1                   0.5         7717.148314
WetlandE1                   1           17612.80256
WetlandE1                   1.5         25586.52171
WetlandE1                   2           28587
WetlandE1                   2.5         29290
WetlandE1                   3           29297

WetlandE2        Storage    0           0
WetlandE2                   0.5         6088.864713
WetlandE2                   1           7509.22668
WetlandE2                   1.5         7840
WetlandE2                   2           7885
WetlandE2                   2.5         7885
WetlandE2                   3           7885

WetlandE3        Storage    0           262.986564
WetlandE3                   1           8013.773861
WetlandE3                   2           17068.55258
WetlandE3                   3           23881.86007
```

```
WetlandE3                   4          31930.37758
WetlandE3                   5          45851.68924
WetlandE3                   6          59052.95639
WetlandE3                   7          67360.7874
WetlandE3                   8          77508.42571
WetlandE3                   9          80545.00609
WetlandE3                   10         92149.70895
WetlandE3                   11         108177.4222

[TIMESERIES]
;;Name           Date       Time       Value
;;-------------- ---------- ---------- ----------
;Guelph IDF Curve
AES12hour_100yr             0:15       1.01
AES12hour_100yr             0:30       1.01
AES12hour_100yr             0:45       1.01
AES12hour_100yr             1:00       1.01
AES12hour_100yr             1:15       1.01
AES12hour_100yr             1:30       1.01
AES12hour_100yr             1:45       1.01
AES12hour_100yr             2:00       1.01
AES12hour_100yr             2:15       5.81
AES12hour_100yr             2:30       5.81
AES12hour_100yr             2:45       5.81
AES12hour_100yr             3:00       5.81
AES12hour_100yr             3:15       16.65
AES12hour_100yr             3:30       16.65
AES12hour_100yr             3:45       16.65
AES12hour_100yr             4:00       16.65
AES12hour_100yr             4:15       44.93
AES12hour_100yr             4:30       44.93
AES12hour_100yr             4:45       44.93
AES12hour_100yr             5:00       44.93
AES12hour_100yr             5:15       12.74
AES12hour_100yr             5:30       12.74
AES12hour_100yr             5:45       12.74
AES12hour_100yr             6:00       12.74
AES12hour_100yr             6:15       6.82
AES12hour_100yr             6:30       6.82
AES12hour_100yr             6:45       6.82
AES12hour_100yr             7:00       6.82
```

```
AES12hour_100yr             7:15       3.91
AES12hour_100yr             7:30       3.91
AES12hour_100yr             7:45       3.91
AES12hour_100yr             8:00       3.91
AES12hour_100yr             8:15       1.90
AES12hour_100yr             8:30       1.90
AES12hour_100yr             8:45       1.90
AES12hour_100yr             9:00       1.90
AES12hour_100yr             9:15       1.01
AES12hour_100yr             9:30       1.01
AES12hour_100yr             9:45       1.01
AES12hour_100yr             10:00      1.01
AES12hour_100yr             10:15      1.01
AES12hour_100yr             10:30      1.01
AES12hour_100yr             10:45      1.01
AES12hour_100yr             11:00      1.01
AES12hour_100yr             11:15      1.01
AES12hour_100yr             11:30      1.01
AES12hour_100yr             11:45      1.01
AES12hour_100yr             12:00      1.01

;Guelph IDF Curve
AES6hour_100yr              0:15       1.865082087
AES6hour_100yr              0:30       1.865082087
AES6hour_100yr              0:45       1.865082087
AES6hour_100yr              1:00       1.865082087
AES6hour_100yr              1:15       11.19049252
AES6hour_100yr              1:30       11.19049252
AES6hour_100yr              1:45       31.70639362
AES6hour_100yr              2:00       31.70639362
AES6hour_100yr              2:15       85.79376981
AES6hour_100yr              2:30       85.79376981
AES6hour_100yr              2:45       24.24606527
AES6hour_100yr              3:00       24.24606527
AES6hour_100yr              3:15       13.05557399
AES6hour_100yr              3:30       13.05557399
AES6hour_100yr              3:45       7.460328346
AES6hour_100yr              4:00       7.460328346
AES6hour_100yr              4:15       3.730164173
AES6hour_100yr              4:30       3.730164173
AES6hour_100yr              4:45       1.865082087
```

```
AES6hour_100yr              5:00       1.865082087
AES6hour_100yr              5:15       1.865082087
AES6hour_100yr              5:30       1.865082087
AES6hour_100yr              5:45       1.865082087
AES6hour_100yr              6:00       1.865082087

CC_AES12hour_100yr            0:15       1.78
CC_AES12hour_100yr            0:30       1.78
CC_AES12hour_100yr            0:45       1.78
CC_AES12hour_100yr            1:00       1.78
CC_AES12hour_100yr            1:15       1.78
CC_AES12hour_100yr            1:30       1.78
CC_AES12hour_100yr            1:45       1.78
CC_AES12hour_100yr            2:00       1.78
CC_AES12hour_100yr            2:15       10.26
CC_AES12hour_100yr            2:30       10.26
CC_AES12hour_100yr            2:45       10.26
CC_AES12hour_100yr            3:00       10.26
CC_AES12hour_100yr            3:15       29.40
CC_AES12hour_100yr            3:30       29.40
CC_AES12hour_100yr            3:45       29.40
CC_AES12hour_100yr            4:00       29.40
CC_AES12hour_100yr            4:15       79.33
CC_AES12hour_100yr            4:30       79.33
CC_AES12hour_100yr            4:45       79.33
CC_AES12hour_100yr            5:00       79.33
CC_AES12hour_100yr            5:15       22.50
CC_AES12hour_100yr            5:30       22.50
CC_AES12hour_100yr            5:45       22.50
CC_AES12hour_100yr            6:00       22.50
CC_AES12hour_100yr            6:15       12.04
CC_AES12hour_100yr            6:30       12.04
CC_AES12hour_100yr            6:45       12.04
CC_AES12hour_100yr            7:00       12.04
CC_AES12hour_100yr            7:15       6.91
CC_AES12hour_100yr            7:30       6.91
CC_AES12hour_100yr            7:45       6.91
CC_AES12hour_100yr            8:00       6.91
CC_AES12hour_100yr            8:15       3.35
CC_AES12hour_100yr            8:30       3.35
CC_AES12hour_100yr            8:45       3.35
```

```
CC_AES12hour_100yr            9:00       3.35
CC_AES12hour_100yr            9:15       1.78
CC_AES12hour_100yr            9:30       1.78
CC_AES12hour_100yr            9:45       1.78
CC_AES12hour_100yr            10:00      1.78
CC_AES12hour_100yr            10:15      1.78
CC_AES12hour_100yr            10:30      1.78
CC_AES12hour_100yr            10:45      1.78
CC_AES12hour_100yr            11:00      1.78
CC_AES12hour_100yr            11:15      1.78
CC_AES12hour_100yr            11:30      1.78
CC_AES12hour_100yr            11:45      1.78
CC_AES12hour_100yr            12:00      1.78

Guelph100Y       01/19/2010 0:00       0
Guelph100Y       01/19/2010 0:05       3.05
Guelph100Y       01/19/2010 0:10       3.33
Guelph100Y       01/19/2010 0:15       3.7
Guelph100Y       01/19/2010 0:20       4.14
Guelph100Y       01/19/2010 0:25       4.68
Guelph100Y       01/19/2010 0:30       5.34
Guelph100Y       01/19/2010 0:35       6.18
Guelph100Y       01/19/2010 0:40       7.26
Guelph100Y       01/19/2010 0:45       8.89
Guelph100Y       01/19/2010 0:50       10.63
Guelph100Y       01/19/2010 0:55       13.39
Guelph100Y       01/19/2010 1:00       17.51
Guelph100Y       01/19/2010 1:05       24.1
Guelph100Y       01/19/2010 1:10       35.69
Guelph100Y       01/19/2010 1:15       59.35
Guelph100Y       01/19/2010 1:20       121.59
Guelph100Y       01/19/2010 1:25       239.35
Guelph100Y       01/19/2010 1:30       137.52
Guelph100Y       01/19/2010 1:35       80.54
Guelph100Y       01/19/2010 1:40       53.35
Guelph100Y       01/19/2010 1:45       38.19
Guelph100Y       01/19/2010 1:50       28.84
Guelph100Y       01/19/2010 1:55       22.65
Guelph100Y       01/19/2010 2:00       18.33
Guelph100Y       01/19/2010 2:05       15.19
Guelph100Y       01/19/2010 2:10       12.83
```

Guelph100Y	01/19/2010 2:15	11
Guelph100Y	01/19/2010 2:20	9.56
Guelph100Y	01/19/2010 2:25	8.41
Guelph100Y	01/19/2010 2:30	7.46
Guelph100Y	01/19/2010 2:35	6.68
Guelph100Y	01/19/2010 2:40	6.02
Guelph100Y	01/19/2010 2:45	5.49
Guelph100Y	01/19/2010 2:50	4.99
Guelph100Y	01/19/2010 2:55	4.58
Guelph100Y	01/19/2010 3:00	4.22
Guelph100Y	01/19/2010 3:05	3.91
Guelph100Y	01/19/2010 3:10	3.63
Guelph100Y	01/19/2010 3:15	3.38
Guelph100Y	01/19/2010 3:20	3.17
Guelph100Y	01/19/2010 3:25	3.05
Guelph100Y	01/19/2010 3:30	0
Guelph5Y	01/19/2010 0:00	0
Guelph5Y	01/19/2010 0:05	3.06
Guelph5Y	01/19/2010 0:10	3.35
Guelph5Y	01/19/2010 0:15	3.7
Guelph5Y	01/19/2010 0:20	4.13
Guelph5Y	01/19/2010 0:25	4.68
Guelph5Y	01/19/2010 0:30	5.37
Guelph5Y	01/19/2010 0:35	6.3
Guelph5Y	01/19/2010 0:40	7.59
Guelph5Y	01/19/2010 0:45	9.48
Guelph5Y	01/19/2010 0:50	12.46
Guelph5Y	01/19/2010 0:55	17.72
Guelph5Y	01/19/2010 1:00	28.8
Guelph5Y	01/19/2010 1:05	61.69
Guelph5Y	01/19/2010 1:10	139.29
Guelph5Y	01/19/2010 1:15	70.6
Guelph5Y	01/19/2010 1:20	39.22
Guelph5Y	01/19/2010 1:25	25.91
Guelph5Y	01/19/2010 1:30	18.86
Guelph5Y	01/19/2010 1:35	14.61
Guelph5Y	01/19/2010 1:40	11.81
Guelph5Y	01/19/2010 1:45	9.86
Guelph5Y	01/19/2010 1:50	8.42
Guelph5Y	01/19/2010 1:55	7.33

```
Guelph5Y         01/19/2010 2:00       6.48
Guelph5Y         01/19/2010 2:05       5.8
Guelph5Y         01/19/2010 2:10       5.24
Guelph5Y         01/19/2010 2:15       4.78
Guelph5Y         01/19/2010 2:20       4.39
Guelph5Y         01/19/2010 2:25       4.05
Guelph5Y         01/19/2010 2:30       3.77
Guelph5Y         01/19/2010 2:35       3.52
Guelph5Y         01/19/2010 2:40       3.3
Guelph5Y         01/19/2010 2:45       3.1
Guelph5Y         01/19/2010 2:50       3.05
Guelph5Y         01/19/2010 2:55       0

;Rainfall (mm/hr)
Hurricane_Hazel_(0-25) 01/19/2010 00:00:00   6.33
Hurricane_Hazel_(0-25) 01/19/2010 01:00:00   4.22
Hurricane_Hazel_(0-25) 01/19/2010 02:00:00   6.33
Hurricane_Hazel_(0-25) 01/19/2010 03:00:00   12.66
Hurricane_Hazel_(0-25) 01/19/2010 04:00:00   16.88
Hurricane_Hazel_(0-25) 01/19/2010 05:00:00   12.66
Hurricane_Hazel_(0-25) 01/19/2010 06:00:00   23.21
Hurricane_Hazel_(0-25) 01/19/2010 07:00:00   12.66
Hurricane_Hazel_(0-25) 01/19/2010 08:00:00   12.66
Hurricane_Hazel_(0-25) 01/19/2010 09:00:00   52.75
Hurricane_Hazel_(0-25) 01/19/2010 10:00:00   37.98
Hurricane_Hazel_(0-25) 01/19/2010 11:00:00   12.66

[REPORT]
;;Reporting Options
INPUT      NO
CONTROLS   NO
SUBCATCHMENTS ALL
NODES ALL
LINKS ALL

[TAGS]
Subcatch   A1               WETLAND
Subcatch   A1.1             SUB
Subcatch   A1.1_FRST        FOREST
Subcatch   A2               WETLAND
Subcatch   A2.1             SUB
```

```
Subcatch   A2.1_FRST        FOREST
Subcatch   A2.2             SUB
Subcatch   A2.2_FRST        FOREST
Subcatch   A3               WETLAND
Subcatch   A3.1             SUB
Subcatch   A3.1_FRST        FOREST
Subcatch   A3.2             SUB
Subcatch   A3.2_FRST        FOREST
Subcatch   A3.3             SUB
Subcatch   A3.3_FRST        FOREST
Subcatch   A4               WETLAND
Subcatch   A4.1             SUB
Subcatch   A4.1_FRST        FOREST
Subcatch   A4.2             SUB
Subcatch   A4.2_FRST        FOREST
Subcatch   A4.3             SUB
Subcatch   A4.3_FRST        FOREST
Subcatch   A4.4_FRST        FOREST
Subcatch   A4.5             SUB
Subcatch   A4.5_FRST        FOREST
Subcatch   A4.6             SUB
Subcatch   A4.6_FRST        FOREST
Subcatch   B1               WETLAND
Subcatch   B1.1             SUB
Subcatch   B1.1_FRST        FOREST
Subcatch   B2               WETLAND
Subcatch   B2.1             SUB
Subcatch   B2.1_FRST        FOREST
Subcatch   C1               WETLAND
Subcatch   C1.1             SUB
Subcatch   C1.1_FRST        FOREST
Subcatch   D1               WETLAND
Subcatch   D1.1             SUB
Subcatch   D1.1_FRST        FOREST
Subcatch   D2               WETLAND
Subcatch   D2.1             SUB
Subcatch   D2.1_FRST        FOREST
Subcatch   D3               WETLAND
Subcatch   D3.1             SUB
Subcatch   D4               WETLAND
Subcatch   D4.1             SUB
```

```
Subcatch   D4.1_FRST        FOREST
Subcatch   E1               WETLAND
Subcatch   E1.1             SUB
Subcatch   E1.1_FRST        FOREST
Subcatch   E2               WETLAND
Subcatch   E2.1             SUB
Subcatch   E2.1_FRST        FOREST
Subcatch   E3               WETLAND
Subcatch   E3.1             SUB
Subcatch   E3.1_FRST        FOREST
Node       13               PEAKFLOW
Node       14               OVERFLOW
Node       18               PEAKFLOW
Node       20               OVERFLOW
Node       21               PEAKFLOW
Node       22               PEAKFLOW
Node       28               OVERFLOW
Node       31               PEAKFLOW
Node       37               OVERFLOW
Node       40               OVERFLOW
Node       42               OVERFLOW
Node       48               OVERFLOW
Node       49               OVERFLOW
Node       5                PEAKFLOW
Node       50               OVERFLOW
Node       54               OVERFLOW
Node       56               PEAKFLOW
Node       7                OVERFLOW
Node       9                PEAKFLOW
Link       45               OVERFLOW
Link       46               OVERFLOW
Link       49               OVERFLOW
Link       51               OVERFLOW
Link       53               OVERFLOW
Link       55               OVERFLOW
Link       56               OVERFLOW
Link       59               OVERFLOW
Link       61               OVERFLOW
Link       62               OVERFLOW
Link       64               OVERFLOW
Link       66               OVERFLOW
```

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Link       67               OVERFLOW

[MAP]
DIMENSIONS       560049.17765     4813980.0537     566747.96535     4819891.9223
UNITS            Meters

[COORDINATES]
;;Node           X-Coord          Y-Coord
;;-------------- ---------------- ----------------
1                563505.595       4818857.531
11               562264.051       4817092.616
12               562093.693       4816996.517
13               561923.335       4816939.73
14               563765.659       4818608.344
15               561698.149       4817099.989
17               561555.781       4817211.295
18               562426.62        4818157.29
19               562538.173       4818252.284
2                563971.394       4816882.676
20               564178.863       4818321.328
21               562545.175       4815756.588
22               562792.469       4817889.143
24               562914.204       4817643.271
25               562839.502       4817808.814
26               563392.315       4814809.546
27               563008.362       4815059.447
28               564101.861       4817495.179
29               562658.413       4815370.702
3                563813.34        4818552.225
30               562518.57        4815887.312
31               562509.891       4815976.414
32               562389.177       4816125.495
34               562132.804       4816343.723
35               562141.559       4816415.771
36               562019.922       4816837.051
37               562691.445       4818224.496
39               562260.757       4815366.47
4                562898.769       4818142.309
40               562735.784       4816716.891
42               562653.629       4817959.571
48               562791.226       4815250.407
```

49	562119.461	4815316.718
5	564285.83	4818262.163
50	562180.148	4816210.903
53	561776.788	4817092.883
54	561654.389	4817151.371
56	560575.172	4817438.611
6	564448.132	4818114.766
7	562660.913	4817047.623
8	563452.191	4817241.134
9	563050.32	4817206.188
MHEasement1	561877.237	4816229.292
MHEasement2	561949.252	4816236.207
MHSchool	562556.23	4818733.76
MHSWM4	561796.452	4817542.016
PWOPRMHS0001369	561884.193	4816425.78
PWOPRMHS0001370	561860.035	4816232.92
PWOPRMHS0001371	561855.459	4816222.492
PWOPRMHS0001372	561846.661	4816215.753
PWOPRMHS0001373	561812.341	4816475.01
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PWOPRMHS0001375	561847.848	4816285.339
PWOPRMHS0001386	561972.542	4816243.198
PWOPRMHS0001387	561961.55	4816273.581
PWOPRMHS0001388	561945.075	4816327.358
PWOPRMHS0001389	561922.976	4816376.79
PWOPRMHS0001390	561862.605	4816605.17
PWOPRMHS0001391	561851.715	4816638.463
PWOPRMHS0001392	561799.907	4816625.51
PWOPRMHS0001393	561718.958	4816564.397
PWOPRMHS0001394	561827.11	4816719.731
PWOPRMHS0001395	561761.638	4816780.338
PWOPRMHS0001398	561742.623	4816939.696
PWOPRMHS0001399	561765.69	4816913.305
PWOPRMHS0001400	561778.566	4816886.367
PWOPRMHS0001401	561793.986	4816829.638
PWOPRMHS0001402	561805.703	4816791.896
PWOPRMHS0001403	561746.177	4817608.49
PWOPRMHS0001404	561635.613	4816631.971
PWOPRMHS0001408	561601.462	4816667.671
PWOPRMHS0001409	561825.428	4817917.837
PWOPRMHS0001410	561840.501	4817971.076

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PWOPRMHS0001420	561802.331	4816346.087
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PWOPRMHS0001422	561771.574	4816423.521
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PWOPRMHS0001436	561964.452	4817448.082
PWOPRMHS0001437	561975.395	4817428.756
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PWOPRMHS0001605	562983.177	4818191.591
PWOPRMHS0001606	562916.138	4818104.669
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PWOPRMHS0001610	562941.014	4818100.853
PWOPRMHS0001611	562418.856	4818184.213
PWOPRMHS0001614	562411.822	4818229.263
PWOPRMHS0001622	561798.793	4818077.804
PWOPRMHS0001624	561870.607	4818352.898
PWOPRMHS0001625	561875.988	4818344.603
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PWOPRMHS0001642	562403.42	4818235.142

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PWOPRMHS0001658	562091.176	4818297.637
PWOPRMHS0001659	562053.425	4818289.351
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PWOPRMHS0001678	562867.364	4818426.043
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PWOPRMHS0001687	562743.264	4818484.861
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PWOPRMHS0001691	562672.663	4818580.292
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PWOPRMHS0001792	561691.408	4817816.757
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PWOPRMHS0001797	561721.414	4817775.178
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PWOPRMHS0001856	562108.25	4817515.863
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PWOPRMHS0001881	562323.188	4818256.778
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PWOPRMHS0001903	562275.642	4817437.565
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PWOPRMHS0001911	562175.596	4817187.225
PWOPRMHS0001912	562174.045	4817172.203

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PWOPRMHS0001916	562090.968	4817524.907
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PWOPRMHS0001918	562070.519	4817280.896
PWOPRMHS0001919	562658.654	4818569.474
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PWOPRMHS0001931	562684.587	4817352.022
PWOPRMHS0001932	562665.943	4817308.711
PWOPRMHS0001933	562638.633	4817270.858
PWOPRMHS0001935	562601.996	4817232.826
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PWOPRMHS0002085	562231.774	4818614.815
PWOPRMHS0002095	563019.409	4818702.147
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PWOPRMHS0003137	562847.789	4818643.369
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PWOPRMHS0003147	562910.35	4818677.222
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PWOPRMHS0003149	562883.073	4818687.63

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PWOPRMHS0004998	563042.258	4818134.061
PWOPRMHS0004999	563076.141	4818096.655
PWOPRMHS0005000	563091.054	4818082.284
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PWOPRMHS0005003	563018.173	4818006.734
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PWOPRMHS0005909	562276.732	4816387.833

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PWOPRMHS0005932  562304.691       4816582.998
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PWOPRMHS0005945  562234.662       4816659.306
PWOPRMHS0005946  562223.809       4816690.36
SWMPOND          562700.85        4817671.611
A1_OVERFLOW      563752.136       4818599.803
A2_OVERFLOW      564158.345       4818295.681
A3_OVERFLOW      564177.266       4817460.314
A4_OVERFLOW      562656.581       4817108.27
B1_OVERFLOW      562678.764       4818207.971
B2_OVERFLOW      562673.166       4817976.317
C1_OVERFLOW      562759.524       4816755.468
D1_OVERFLOW      562698.966       4815253.29
D2_OVERFLOW      562471.201       4815795.315
D3_OVERFLOW      562116.578       4815374.381
D4_OVERFLOW      562190.189       4816228.26
E1_OVERFLOW      561769.428       4817078.165
E2_OVERFLOW      561644.706       4817137.04
HanlonCreek      560353.668       4817173.217
S_A1             563796.122       4818592.338
S_A2             564205.531       4818312.731
S_A3             564036.065       4817417.223
S_A4             562617.333       4817058.883
S_B1             562661.083       4818230.094
S_B2             562675.899       4817950.609
S_C1             562706.825       4816745.111
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S_D2             562529.541       4815833.02
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A3.1	564145.101	4818103.411
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A3.1	564159.324	4818089.872
A3.1	564168.493	4818081.145
A3.1	564172.75	4818077.092
A3.1	564180.766	4818069.461
A3.1	564187.506	4818063.045
A3.1	564191.701	4818053.329
A3.1	564200.387	4818033.205
A3.1	564204.532	4818023.603
A3.1	564199.986	4818006.941
A3.1	564198.012	4817999.707
A3.1	564189.429	4817990.761
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A3.1	564148.394	4817947.992
A3.1	564141.103	4817940.393
A3.1	564133.812	4817932.794
A3.1	564126.522	4817925.196
A3.1	564119.231	4817917.597
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A3.1	564105.345	4817903.124
A3.1	564098.748	4817896.249

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A3.1             564008.485       4817802.171
A3.1             564002.236       4817795.658
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A3.1             563906.67        4817799.309
A3.1             563887.369       4817817.682
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A3.1             563836.711       4817714.511
A3.1             563900.795       4817689.932
A3.1             563833.082       4817619.358
A3.1             563808.608       4817593.851
......
Too many subcatchment entities (247 in total).

[SYMBOLS]
;;Gage           X-Coord          Y-Coord
;;-------------- ---------------- ----------------
```

```
[TITLE]
Removal of Wetlands

[OPTIONS]
;;Options            Value
;;------------------ ------------
FLOW_UNITS           CMS
INFILTRATION         GREEN_AMPT
FLOW_ROUTING         DYNWAVE
LINK_OFFSETS         ELEVATION
MIN_SLOPE            0
ALLOW_PONDING        NO
SKIP_STEADY_STATE    NO

START_DATE           09/01/2021
START_TIME           00:00:00
REPORT_START_DATE    09/01/2021
REPORT_START_TIME    00:00:00
END_DATE             09/04/2021
END_TIME             00:00:00
SWEEP_START          01/01
SWEEP_END            12/31
DRY_DAYS             0
REPORT_STEP          00:05:00
WET_STEP             00:05:00
DRY_STEP             00:15:00
ROUTING_STEP         1
RULE_STEP            00:00:00

INERTIAL_DAMPING     PARTIAL
NORMAL_FLOW_LIMITED  BOTH
FORCE_MAIN_EQUATION  H-W
VARIABLE_STEP        0.75
LENGTHENING_STEP     1
MIN_SURFAREA         0
MAX_TRIALS           8
HEAD_TOLERANCE       0.0015
SYS_FLOW_TOL         5
LAT_FLOW_TOL         5
MINIMUM_STEP         0.5
THREADS              4
```

```
[EVAPORATION]
;;Type          Parameters
;;------------- ----------
MONTHLY          0.0    0.0    0.0    1.06   2.48   3.6    4.13   3.61   2.43   1.19   0.3    0.0
DRY_ONLY         NO

[RAINGAGES]
;;                     Rain      Time     Snow     Data
;;Name                 Type      Intrvl   Catch    Source
;;-------------------- --------- -------- -------- ----------
AES12hour_100year      INTENSITY 0:15     1.0      TIMESERIES AES12hour_100yr
AES6hour_100year       INTENSITY 0:15     1.0      TIMESERIES AES6hour_100yr
CC_AES12hour_100yr     INTENSITY 0:15     1.0      TIMESERIES CC_AES12hour_100yr
DSGauge                INTENSITY 0:05     1.0      TIMESERIES Guelph100Y
Hurricane_Hazel_(0-25) INTENSITY 01:00    1.0      TIMESERIES Hurricane_Hazel_(0-25)

[SUBCATCHMENTS]
;;                                                 Total    Pcnt.             Pcnt.    Curb     Snow
;;Name           Raingage         Outlet           Area     Imperv   Width    Slope    Length   Pack
;;-------------- ---------------- ---------------- -------- -------- -------- -------- -------- --------
A1               AES12hour_100year 14              8.37858  31       837.858  2.55     0
A1.1             AES12hour_100year 1               42.8127  31       4281.27  2.55     0
A1.1_FRST        AES12hour_100year A1              3.63836  5        382.985  4.569    0
A2               AES12hour_100year 20              11.49151 26       1149.151 4.893    0
A2.1             AES12hour_100year 3               12.9012  20       1290.12  4.465    0
;05
A2.1_FRST        AES12hour_100year A2              3.27903  5        364.337  5.888    0
A2.2             AES12hour_100year 3               8.44264  34       844.264  5.546    0
A2.2_FRST        AES12hour_100year A2              2.22057  5        296.076  4.679    0
;01
A3               AES12hour_100year 28              56.7748  27       5677.48  2.341    0
A3.1             AES12hour_100year 6               6.44601  22       644.601  4.32     0
A3.1_FRST        AES12hour_100year A3              13.18801 5        712.865  6.361    0
A3.2             AES12hour_100year 6               32.32076 36       3232.076 3.055    0
A3.2_FRST        AES12hour_100year A3              7.39984  5        528.56   2.441    0
A3.3             AES12hour_100year 28              70.21898 23       7021.898 1.831    0
A3.3_FRST        AES12hour_100year A3              17.13255 5        815.836  2.072    0
;02
A4               AES12hour_100year 7               100.51695 40      11422.381 3.52    0
A4.1             AES12hour_100year 9               1.02924  20       205.848  12.11    0
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A4.1_FRST        AES12hour_100year A4              5.52575  5        251.17   12.609   0
A4.2             AES12hour_100year 8               9.80983  29       980.983  3.264    0
A4.2_FRST        AES12hour_100year A4              16.15059 5        807.53   3.234    0
A4.3             AES12hour_100year 8               46.96537 61       4696.537 6.754    0
A4.3_FRST        AES12hour_100year A4              8.10956  5        559.28   2.629    0
A4.4_FRST        AES12hour_100year A4              18.6402  5        866.986  1.485    0
A4.5             AES12hour_100year 2               108.8003 29       10880.03 2.616    0
A4.5_FRST        AES12hour_100year A4              15.02335 5        770.428  4.264    0
A4.6             AES12hour_100year 2               148.9709 52       14897.09 3.51     0
A4.6_FRST        AES12hour_100year A4              60.75746 5        1557.884 5.817    0
B1               AES12hour_100year 37              3.0847   16       856.861  1.137    0
B1.1             AES12hour_100year 4               0.99721  20       199.442  3.723    0
;06
B1.1_FRST        AES12hour_100year B1              3.70213  5        370.213  2.416    0
;03
B2               AES12hour_100year 42              2.9118   14       746.615  2.9      0
B2.1             AES12hour_100year 18              6.4804   11       648.04   8.395    0
B2.1_FRST        AES12hour_100year B2              8.06289  5        556.061  4.141    0
C1               AES12hour_100year 40              3.1551   61       350.567  2.612    0
C1.1             AES12hour_100year 40              123.3055 61       12330.55 2.612    0
C1.1_FRST        AES12hour_100year C1              2.78849  5        328.058  5.115    0
D1               AES12hour_100year 48              13.15501 61       1315.501 2.621    0
D1.1             AES12hour_100year 27              119.81733 61      11981.733 2.621   0
;07
D1.1_FRST        AES12hour_100year D1              30.3332  5        1103.025 1.654    0
D2               AES12hour_100year 21              17.56726 54       1756.726 1.309    0
D2.1             AES12hour_100year 21              52.2425  54       5224.25  1.309    0
D2.1_FRST        AES12hour_100year D2              19.03354 5        865.161  1.199    0
D3               AES12hour_100year 49              5.6119   60       561.19   4.474    0
D3.1             AES12hour_100year 49              36.1347  60       3613.47  4.474    0
;04
D4               AES12hour_100year 50              3.51993  35       495.765  1.49     0
D4.1             AES12hour_100year 50              23.40875 53       2340.875 1.568    0
D4.1_FRST        AES12hour_100year D4              13.64864 5        737.764  1.949    0
E1               AES12hour_100year 53              2.92807  18       636.537  1.66     0
E1.1             AES12hour_100year 53              18.00759 23       1800.759 3.079    0
;08
E1.1_FRST        AES12hour_100year E1              32.85577 5        1132.958 2.328    0
E2               AES12hour_100year 54              0.78579  19       174.62   4.9      0
E2.1             AES12hour_100year 54              9.27285  19       927.285  4.9      0
E2.1_FRST        AES12hour_100year E2              0.87158  5        174.316  6.307    0
```

E3	AES12hour_100year	56	14.02097	22	1402.097	12.425	0
E3.1	AES12hour_100year	56	22.8162	22	2281.62	12.425	0
E3.1_FRST	AES12hour_100year	E3	13.0633	5	725.739	8.365	0
HC01-01	AES12hour_100year	PWOPRMHS0001937	6.22	28.7	1269.388	3.5	0
HC01-02	AES12hour_100year	PWOPRMHS0001695	2.27	24.8	504.444	4.2	0
HC01-03	AES12hour_100year	PWOPRMHS0001925	1.2	24.8	173.913	7.1	0
HC01-04	AES12hour_100year	SWMPOND	2.49	19.4	415	4.2	0
HC01-05	AES12hour_100year	PWOPRMHS0001939	2.5	24.8	500	6.3	0
HC01-06	AES12hour_100year	PWOPRMHS0001928	1.32	24.8	197.015	6.7	0
HC01-07	AES12hour_100year	PWOPRMHS0001944	0.7	24.8	159.091	0.8	0
HC01-08	AES12hour_100year	PWOPRMHS0001930	0.52	24.8	70.27	10	0
HC01-09	AES12hour_100year	PWOPRMHS0001947	0.66	24.8	160.976	1.3	0
HC01-10	AES12hour_100year	PWOPRMHS0001929	1.14	24.8	156.164	7.8	0
HC01-11	AES12hour_100year	PWOPRMHS0001933	1.39	24.8	217.187	3.3	0
HC01-12	AES12hour_100year	PWOPRMHS0001943	3.1	24.8	720.93	3.9	0
HC02-01	AES12hour_100year	PWOPRMHS0001622	0.37	37.3	115.625	0.9	0
HC02-02	AES12hour_100year	PWOPRMHS0001413	2.17	50.4	678.125	0.4	0
HC02-03	AES12hour_100year	PWOPRMHS0001412	0.19	43.2	59.375	0.8	0
HC02-04	AES12hour_100year	PWOPRMHS0001411	0.41	29.2	128.125	5	0
HC02-05	AES12hour_100year	PWOPRMHS0001764	2.96	14.8	925	2.6	0
HC02-06	AES12hour_100year	PWOPRMHS0001768	1.79	15.2	577.419	1.4	0
HC02-07	AES12hour_100year	PWOPRMHS0001767	0.78	12.8	243.75	0.6	0
HC02-08	AES12hour_100year	PWOPRMHS0001409	1.26	11.6	393.75	1.4	0
HC02-09	AES12hour_100year	PWOPRMHS0001410	0.87	13.6	263.636	0.5	0
HC02-10	AES12hour_100year	PWOPRMHS0001634	0.94	12.4	293.75	0.8	0
HC02-11	AES12hour_100year	PWOPRMHS0001791	1.49	13.6	465.625	1	0
HC02-12	AES12hour_100year	PWOPRMHS0001797	2.15	12.4	651.515	0.3	0
HC02-13	AES12hour_100year	PWOPRMHS0001792	0.84	11.6	262.5	0.6	0
HC02-14	AES12hour_100year	PWOPRMHS0001836	0.92	12	270.588	1.1	0
HC02-15	AES12hour_100year	PWOPRMHS0001788	1.6	13.2	470.588	2.5	0
HC02-16	AES12hour_100year	PWOPRMHS0001403	0.51	14	150	2.5	0
HC02-17	AES12hour_100year	PWOPRMHS0001403	2.36	13.2	715.152	1.1	0
HC02-18	AES12hour_100year	PWOPRMHS0001433	3.83	14	1160.606	3.3	0
HC02-19	AES12hour_100year	PWOPRMHS0001418	1.52	14.4	460.606	0.1	0
HC02-20	AES12hour_100year	PWOPRMHS0001804	0.44	35.2	275	1.3	0
HC02-21	AES12hour_100year	PWOPRMHS0001903	3.51	14.4	1002.857	0.9	0
HC02-22	AES12hour_100year	PWOPRMHS0001914	2.97	14.4	900	0.8	0
HC02-23	AES12hour_100year	PWOPRMHS0001858	0.4	42.8	160	1.1	0
HC02-24	AES12hour_100year	PWOPRMHS0001915	0.07	58.4	58.333	1.8	0
HC02-25	AES12hour_100year	PWOPRMHS0001916	1.13	45.9	513.636	2.9	0
HC02-26	AES12hour_100year	PWOPRMHS0001855	0.34	54.8	170	4.8	0

HC02-27	AES12hour_100year	PWOPRMHS0001857	0.75	18	227.273	5.1	0
HC02-28	AES12hour_100year	PWOPRMHS0001436	0.57	18	172.727	2.8	0
HC02-29	AES12hour_100year	PWOPRMHS0001435	0.53	40	160.606	0.9	0
HC02-30	AES12hour_100year	PWOPRMHS0001918	1.48	1.2	462.5	0.3	0
HC02-31	AES12hour_100year	PWOPRMHS0001908	2.42	15.2	711.765	1.8	0
HC02-32	AES12hour_100year	PWOPRMHS0001917	2.15	14.4	632.353	3.2	0
HC02-33	AES12hour_100year	PWOPRMHS0001917	0.83	15.2	244.118	0.5	0
HC02-34	AES12hour_100year	PWOPRMHS0001906	0.3	26	88.235	4.5	0
HC02-35	AES12hour_100year	PWOPRMHS0001912	1	1.6	333.333	0.8	0
HC02-36	AES12hour_100year	MHSWM4	0.44	5.6	440	2.1	0
HC02-37	AES12hour_100year	PWOPRMHS0001912	1.01	5.2	480.952	2.2	0
HC02-38	AES12hour_100year	PWOPRMHS0001765	3.11	13.6	914.706	0.5	0
HC02-39	AES12hour_100year	PWOPRMHS0001867	0.88	11.6	266.667	0.1	0
HC03-01	AES12hour_100year	PWOPRMHS0001626	2.24	32	1066.667	0.4	0
HC03-02	AES12hour_100year	PWOPRMHS0001625	0.8	15.2	258.065	3.1	0
HC03-03	AES12hour_100year	PWOPRMHS0001651	0.13	18.8	76.471	5.3	0
HC03-04	AES12hour_100year	PWOPRMHS0001655	1.03	18.8	343.333	2	0
HC03-05	AES12hour_100year	PWOPRMHS0001649	0.33	36.8	173.684	2.3	0
HC03-06	AES12hour_100year	PWOPRMHS0001659	5.16	13.8	1563.636	3.3	0
HC03-07	AES12hour_100year	PWOPRMHS0001658	1.81	15.2	583.871	1.5	0
HC03-08	AES12hour_100year	PWOPRMHS0002082	4.36	15.5	1321.212	3.5	0
HC03-09	AES12hour_100year	PWOPRMHS0002085	1.94	23.3	485	1.3	0
HC03-10	AES12hour_100year	PWOPRMHS0002084	1.69	12	512.121	1.9	0
HC03-11	AES12hour_100year	PWOPRMHS0002080	2.51	16.5	627.5	2.8	0
HC03-12	AES12hour_100year	PWOPRMHS0001891	1.18	14	357.576	0.3	0
HC03-13	AES12hour_100year	PWOPRMHS0001889	0.38	18.8	180.952	0.8	0
HC03-14	AES12hour_100year	PWOPRMHS0001890	0.13	58.4	56.522	0.7	0
HC03-15	AES12hour_100year	PWOPRMHS0001894	0.62	13.6	187.879	1.6	0
HC03-16	AES12hour_100year	PWOPRMHS0001660	0.31	21.2	100	1.1	0
HC03-17	AES12hour_100year	PWOPRMHS0001657	0.12	36.8	75	2.2	0
HC03-18	AES12hour_100year	PWOPRMHS0001663	0.1	64	100	0.4	0
HC03-19	AES12hour_100year	PWOPRMHS0001661B	7.88	8.4	3940	3.5	0
HC03-20	AES12hour_100year	PWOPRMHS0001662	1.5	2.4	500	0.6	0
HC04-01	AES12hour_100year	PWOPRMHS0002042	3.59	18	897.5	0.6	0
HC04-02	AES12hour_100year	PWOPRMHS0001874	0.66	13.9	200	1.5	0
HC04-03	AES12hour_100year	PWOPRMHS0001739	1.2	14.9	363.636	1	0
HC04-04	AES12hour_100year	PWOPRMHS0002041	5.28	18	812.308	1.1	0
HC04-05	AES12hour_100year	PWOPRMHS0001741	0.62	17.6	182.353	2.6	0
HC04-06	AES12hour_100year	PWOPRMHS0002051	1.07	17.6	324.242	0.6	0
HC04-07	AES12hour_100year	PWOPRMHS0001745	0.09	38.4	81.818	0.1	0
HC04-08	AES12hour_100year	PWOPRMHS0001746	0.34	15.5	79.07	1.5	0

HC04-09	AES12hour_100year	PWOPRMHS0001692	0.53	17.6	147.222	1	0
HC04-10	AES12hour_100year	PWOPRMHS0001743	0.62	17.6	177.143	0.6	0
HC04-11	AES12hour_100year	PWOPRMHS0001691	0.91	16.7	325	1.6	0
HC04-12	AES12hour_100year	PWOPRMHS0001919	2.2	13.2	687.5	0.7	0
HC04-13	AES12hour_100year	PWOPRMHS0001690	0.3	15.2	115.385	0.6	0
HC04-14	AES12hour_100year	PWOPRMHS0002095	2.79	14	734.211	0.3	0
HC04-15	AES12hour_100year	PWOPRMHS0003153	3.91	14	1221.875	0.8	0
HC04-16	AES12hour_100year	PWOPRMHS0001680	0.46	15.2	153.333	1	0
HC04-17	AES12hour_100year	PWOPRMHS0003160	2.26	17.6	904	0.9	0
HC04-18	AES12hour_100year	PWOPRMHS0003146	0.26	21.1	173.333	0.1	0
HC04-19	AES12hour_100year	PWOPRMHS0003149	1.3	12	361.111	1.5	0
HC04-20	AES12hour_100year	PWOPRMHS0003137	0.56	12	169.697	2.4	0
HC04-21	AES12hour_100year	PWOPRMHS0003136	0.15	17.2	75	1.2	0
HC04-22	AES12hour_100year	PWOPRMHS0001686	0.23	19.2	104.545	0.8	0
HC04-23	AES12hour_100year	PWOPRMHS0002046	0.56	17.6	329.412	2.4	0
HC04-24	AES12hour_100year	PWOPRMHS0001686	0.13	14.4	40.625	5	0
HC04-25	AES12hour_100year	PWOPRMHS0001682	0.78	13.6	236.364	1.5	0
HC04-26	AES12hour_100year	PWOPRMHS0001689	0.74	12.8	194.737	0.1	0
HC04-27	AES12hour_100year	PWOPRMHS0001705	0.36	10.8	109.091	1.4	0
HC04-28	AES12hour_100year	PWOPRMHS0001705	0.73	15.2	192.105	1.4	0
HC04-29	AES12hour_100year	PWOPRMHS0001706	3.62	13.6	1096.97	1.1	0
HC04-30	AES12hour_100year	PWOPRMHS0001678	1.94	14	554.286	1.5	0
HC04-31	AES12hour_100year	PWOPRMHS0001677	0.48	28	200	0.6	0
HC04-32	AES12hour_100year	PWOPRMHS0001676	0.34	15.2	97.143	0.8	0
HC04-33	AES12hour_100year	PWOPRMHS0001713	1.13	13.6	452	0.7	0
HC04-34	AES12hour_100year	37	1.55	5.6	620	0.6	0
HC04-35	AES12hour_100year	PWOPRMHS0001688	0.49	13.6	122.5	1.2	0
HC04-36	AES12hour_100year	PWOPRMHS0002050	2.93	32.5	1085.185	2.4	0
HC05-01	AES12hour_100year	PWOPRMHS0005188	5.99	12	1711.429	3.8	0
HC05-02	AES12hour_100year	PWOPRMHS0005196	3.23	12.4	769.048	3.2	0
HC05-03	AES12hour_100year	PWOPRMHS0005183	0.11	76	110	2.7	0
HC05-04	AES12hour_100year	PWOPRMHS0005181	0.49	11.2	175	1.1	0
HC05-05	AES12hour_100year	PWOPRMHS0005179	0.92	15	224.39	0.5	0
HC05-06	AES12hour_100year	PWOPRMHS0005223	0.42	16.8	140	1.6	0
HC05-07	AES12hour_100year	PWOPRMHS0005226	0.73	13.2	208.571	1.4	0
HC05-08	AES12hour_100year	PWOPRMHS0005231	2.2	13.6	628.571	0.9	0
HC05-09	AES12hour_100year	PWOPRMHS0005229	0.27	13.2	108	0.1	0
HC05-10	AES12hour_100year	PWOPRMHS0005230	0.35	17.6	250	1.4	0
HC05-11	AES12hour_100year	24	3.17	5.2	1509.524	1.5	0
HC06-01	AES12hour_100year	PWOPRMHS0005009	0.32	15.2	160	0.5	0
HC06-02	AES12hour_100year	PWOPRMHS0005008	0.65	14.8	216.667	0.3	0

HC06-03	AES12hour_100year	PWOPRMHS0005012	1.49	0	175.294	0.6	0
HC06-04	AES12hour_100year	PWOPRMHS0005011	1.11	0.4	584.211	0.1	0
HC06-05	AES12hour_100year	PWOPRMHS0004137	0.35	10.8	109.375	1.1	0
HC06-06	AES12hour_100year	PWOPRMHS0004135	1.57	12.8	402.564	2.7	0
HC06-07	AES12hour_100year	PWOPRMHS0004133	0.4	11.2	117.647	5.9	0
HC06-08	AES12hour_100year	PWOPRMHS0004201	4.15	14.4	1383.333	2.9	0
HC06-09	AES12hour_100year	PWOPRMHS0004159	2.61	13	1044	3.2	0
HC06-10	AES12hour_100year	PWOPRMHS0004129	2.4	12.8	705.882	2.9	0
HC06-11	AES12hour_100year	PWOPRMHS0004130	0.22	17.6	157.143	0.6	0
HC06-12	AES12hour_100year	PWOPRMHS0004131	0.2	24.8	133.333	0.7	0
HC06-13	AES12hour_100year	PWOPRMHS0004132	0.28	51.2	93.333	3.7	0
HC06-14	AES12hour_100year	PWOPRMHS0004143	1.81	23	786.957	0.4	0
HC06-15	AES12hour_100year	PWOPRMHS0005178	0.12	80	120	0.3	0
HC06-16	AES12hour_100year	PWOPRMHS0004142	0.28	67	121.739	1.1	0
HC06-17	AES12hour_100year	PWOPRMHS0004142	1.54	22	550	0.4	0
HC06-18	AES12hour_100year	PWOPRMHS0005001	2.66	55.4	1209.091	0.4	0
HC06-19	AES12hour_100year	PWOPRMHS0004999	0.03	80	30	2.5	0
HC06-20	AES12hour_100year	PWOPRMHS0005000	0.21	80	210	0.4	0
HC06-21	AES12hour_100year	PWOPRMHS0001598	1.27	67	317.5	0.1	0
HC06-22	AES12hour_100year	PWOPRMHS0004998	0.06	80	60	1.6	0
HC06-23	AES12hour_100year	PWOPRMHS0001601	1.5	70	357.143	0.4	0
HC06-24	AES12hour_100year	PWOPRMHS0001602	0.12	80	120	0.9	0
HC06-25	AES12hour_100year	PWOPRMHS0001600	3.35	17.6	1046.875	3.8	0
HC06-26	AES12hour_100year	PWOPRMHS0001605	2.64	25.6	880	0.5	0
HC06-27	AES12hour_100year	PWOPRMHS0001603	0.16	76	160	0.6	0
HC06-28	AES12hour_100year	PWOPRMHS0001604	0.2	80	50	0.5	0
HC06-29	AES12hour_100year	PWOPRMHS0001606	1.24	8	364.706	0.6	0
HC06-30	AES12hour_100year	PWOPRMHS0001670	0.33	48	100	1.5	0
HC06-31	AES12hour_100year	42	1.81	1.6	754.167	1.8	0
HC06-32	AES12hour_100year	PWOPRMHS0005003	1.35	5.2	421.875	0.4	0
HC07-01	AES12hour_100year	PWOPRMHS0001697	3.02	17.2	915.152	0.2	0
HC07-02	AES12hour_100year	PWOPRMHS0001733	1.15	18.8	396.552	0.5	0
HC07-03	AES12hour_100year	PWOPRMHS0001736	0.37	15.2	246.667	0.6	0
HC07-04	AES12hour_100year	PWOPRMHS0001878	0.34	11.6	100	0.8	0
HC07-05	AES12hour_100year	PWOPRMHS0001614	0.29	15.2	85.294	0.1	0
HC07-06	AES12hour_100year	PWOPRMHS0001881	2.06	14	515	0.3	0
HC07-07	AES12hour_100year	PWOPRMHS0001643	0.38	14	95	1	0
HC07-08	AES12hour_100year	PWOPRMHS0001642	0.19	57.6	47.5	0.1	0
HC07-09	AES12hour_100year	PWOPRMHS0001611	0.25	17.6	92.593	3.3	0
HC08-01	AES12hour_100year	PWOPRMHS0005908	0.69	17.2	222.581	0.7	0
HC08-02	AES12hour_100year	PWOPRMHS0005909	2.32	18.8	644.444	0.5	0

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HC08-03          AES12hour_100year PWOPRMHS0005924 2        15.2     588.235  0.4      0
HC08-04          AES12hour_100year PWOPRMHS0005926 0.69     11.6     143.75   0.6      0
HC08-05          AES12hour_100year PWOPRMHS0005927 0.65     15.2     191.176  1.1      0
HC08-06          AES12hour_100year PWOPRMHS0005932 1.18     14       310.526  1        0
HC08-07          AES12hour_100year PWOPRMHS0005944 0.55     14       134.146  1.4      0
HC08-08          AES12hour_100year PWOPRMHS0005931 0.41     57.6     215.789  0.4      0
HC08-09          AES12hour_100year PWOPRMHS0005946 1.78     17.6     508.571  0.5      0
HC08-10          AES12hour_100year PWOPRMHS0005930 1.32     1.6      660      1.4      0
HC09-01          AES12hour_100year PWOPRMHS0001390 0.95     20       237.5    0.3      0
HC09-02          AES12hour_100year PWOPRMHS0001392 1.03     14       302.941  1        0
HC09-03          AES12hour_100year PWOPRMHS0001402 0.97     15.2     269.444  0.6      0
HC09-04          AES12hour_100year PWOPRMHS0001395 2.54     11.2     819.355  0.9      0
HC09-05          AES12hour_100year PWOPRMHS0001398 2.6      12.4     702.703  1.3      0
HC09-06          AES12hour_100year PWOPRMHS0001401 1.23     12       476.744  0.7      0
HC09-07          AES12hour_100year 36               0.48     8        266.667  0.3      0
HC10-01          AES12hour_100year PWOPRMHS0001408 4.47     12.3     1064.286 1.7      0
HC10-02          AES12hour_100year PWOPRMHS0001467 2.53     28.3     527.083  1.3      0
HC10-03          AES12hour_100year PWOPRMHS0001393 1.86     26.9     422.727  0.4      0
HC10-04          AES12hour_100year PWOPRMHS0001424 1.84     15.5     418.182  2.8      0
HC10-05          AES12hour_100year PWOPRMHS0001389 2.41     14.2     535.556  0.5      0
HC10-06          AES12hour_100year PWOPRMHS0001388 1.33     12.4     369.444  0.6      0
HC10-07          AES12hour_100year PWOPRMHS0001429 1.71     16.5     488.571  1.2      0
HC10-08          AES12hour_100year PWOPRMHS0001371 1.19     14.9     476      3.7      0
HC10-09          AES12hour_100year MHEasement2     1.39     12.2     315.909  1.1      0
HC10-10          AES12hour_100year PWOPRMHS0001423 0.28     14.9     93.333   1.9      0
HC10-11          AES12hour_100year PWOPRMHS0001422 0.27     19.5     158.824  2.1      0
HC10-12          AES12hour_100year 50               0.9      2.4      428.571  0.7      0
HC10-13          AES12hour_100year MHEasement1     0.59     16       131.111  0.8      0
HC10-14          AES12hour_100year PWOPRMHS0001374 0.46     16.3     115      2.1      0
HC10-15          AES12hour_100year PWOPRMHS0001420 0.4      16.5     160      1.6      0

[SUBAREAS]
;;Subcatchment   N-Imperv   N-Perv     S-Imperv   S-Perv     PctZero    RouteTo    PctRouted
;;-------------- ---------- ---------- ---------- ---------- ---------- ---------- ----------
A1               0.013      0.2        1          5          25         OUTLET
A1.1             0.013      0.2        1          5          25         OUTLET
A1.1_FRST        0.013      0.2        1          7          25         OUTLET
A2               0.013      0.2        1          5          25         OUTLET
A2.1             0.013      0.2        1          5          25         OUTLET
A2.1_FRST        0.013      0.2        1          7          25         OUTLET
A2.2             0.013      0.2        1          5          25         OUTLET
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A2.2_FRST	0.013	0.2	1	7	25	OUTLET
A3	0.013	0.2	1	5	25	OUTLET
A3.1	0.013	0.2	1	5	25	OUTLET
A3.1_FRST	0.013	0.2	1	7	25	OUTLET
A3.2	0.013	0.2	1	5	25	OUTLET
A3.2_FRST	0.013	0.2	1	7	25	OUTLET
A3.3	0.013	0.2	1	5	25	OUTLET
A3.3_FRST	0.013	0.2	1	7	25	OUTLET
A4	0.013	0.2	1	5	25	OUTLET
A4.1	0.013	0.2	1	5	25	OUTLET
A4.1_FRST	0.013	0.2	1	7	25	OUTLET
A4.2	0.013	0.2	1	5	25	OUTLET
A4.2_FRST	0.013	0.2	1	7	25	OUTLET
A4.3	0.013	0.2	1	5	25	OUTLET
A4.3_FRST	0.013	0.2	1	7	25	OUTLET
A4.4_FRST	0.013	0.2	1	7	25	OUTLET
A4.5	0.013	0.2	1	5	25	OUTLET
A4.5_FRST	0.013	0.2	1	7	25	OUTLET
A4.6	0.013	0.2	1	5	25	OUTLET
A4.6_FRST	0.013	0.2	1	7	25	OUTLET
B1	0.013	0.2	1	5	25	OUTLET
B1.1	0.013	0.2	1	5	25	OUTLET
B1.1_FRST	0.013	0.2	1	7	25	OUTLET
B2	0.013	0.2	1	5	25	OUTLET
B2.1	0.013	0.2	1	5	25	OUTLET
B2.1_FRST	0.013	0.2	1	7	25	OUTLET
C1	0.013	0.2	1	5	25	OUTLET
C1.1	0.013	0.2	1	5	25	OUTLET
C1.1_FRST	0.013	0.2	1	7	25	OUTLET
D1	0.013	0.2	1	5	25	OUTLET
D1.1	0.013	0.2	1	5	25	OUTLET
D1.1_FRST	0.013	0.2	1	7	25	OUTLET
D2	0.013	0.2	1	5	25	OUTLET
D2.1	0.013	0.2	1	5	25	OUTLET
D2.1_FRST	0.013	0.2	1	7	25	OUTLET
D3	0.013	0.2	1	5	25	OUTLET
D3.1	0.013	0.2	1	5	25	OUTLET
D4	0.013	0.2	1	5	25	OUTLET
D4.1	0.013	0.2	1	5	25	OUTLET
D4.1_FRST	0.013	0.2	1	7	25	OUTLET
E1	0.013	0.2	1	5	25	OUTLET

E1.1	0.013	0.2	1	5	25	OUTLET
E1.1_FRST	0.013	0.2	1	7	25	OUTLET
E2	0.013	0.2	1	5	25	OUTLET
E2.1	0.013	0.2	1	5	25	OUTLET
E2.1_FRST	0.013	0.2	1	7	25	OUTLET
E3	0.013	0.2	1	5	25	OUTLET
E3.1	0.013	0.2	1	5	25	OUTLET
E3.1_FRST	0.013	0.2	1	7	25	OUTLET
HC01-01	0.013	0.2	1	5	25	OUTLET
HC01-02	0.013	0.2	1	5	25	OUTLET
HC01-03	0.013	0.2	1	5	25	OUTLET
HC01-04	0.013	0.2	1	5	25	OUTLET
HC01-05	0.013	0.2	1	5	25	OUTLET
HC01-06	0.013	0.2	1	5	25	OUTLET
HC01-07	0.013	0.2	1	5	25	OUTLET
HC01-08	0.013	0.2	1	5	25	OUTLET
HC01-09	0.013	0.2	1	5	25	OUTLET
HC01-10	0.013	0.2	1	5	25	OUTLET
HC01-11	0.013	0.2	1	5	25	OUTLET
HC01-12	0.013	0.2	1	5	25	OUTLET
HC02-01	0.013	0.2	1	5	25	OUTLET
HC02-02	0.013	0.2	1	5	25	OUTLET
HC02-03	0.013	0.2	1	5	25	OUTLET
HC02-04	0.013	0.2	1	5	25	OUTLET
HC02-05	0.013	0.2	1	5	25	OUTLET
HC02-06	0.013	0.2	1	5	25	OUTLET
HC02-07	0.013	0.2	1	5	25	OUTLET
HC02-08	0.013	0.2	1	5	25	OUTLET
HC02-09	0.013	0.2	1	5	25	OUTLET
HC02-10	0.013	0.2	1	5	25	OUTLET
HC02-11	0.013	0.2	1	5	25	OUTLET
HC02-12	0.013	0.2	1	5	25	OUTLET
HC02-13	0.013	0.2	1	5	25	OUTLET
HC02-14	0.013	0.2	1	5	25	OUTLET
HC02-15	0.013	0.2	1	5	25	OUTLET
HC02-16	0.013	0.2	1	5	25	OUTLET
HC02-17	0.013	0.2	1	5	25	OUTLET
HC02-18	0.013	0.2	1	5	25	OUTLET
HC02-19	0.013	0.2	1	5	25	OUTLET
HC02-20	0.013	0.2	1	5	25	OUTLET
HC02-21	0.013	0.2	1	5	25	OUTLET

HC02-22	0.013	0.2	1	5	25	OUTLET
HC02-23	0.013	0.2	1	5	25	OUTLET
HC02-24	0.013	0.2	1	5	25	OUTLET
HC02-25	0.013	0.2	1	5	25	OUTLET
HC02-26	0.013	0.2	1	5	25	OUTLET
HC02-27	0.013	0.2	1	5	25	OUTLET
HC02-28	0.013	0.2	1	5	25	OUTLET
HC02-29	0.013	0.2	1	5	25	OUTLET
HC02-30	0.013	0.2	1	5	25	OUTLET
HC02-31	0.013	0.2	1	5	25	OUTLET
HC02-32	0.013	0.2	1	5	25	OUTLET
HC02-33	0.013	0.2	1	5	25	OUTLET
HC02-34	0.013	0.2	1	5	25	OUTLET
HC02-35	0.013	0.2	1	5	25	OUTLET
HC02-36	0.013	0.2	1	5	25	OUTLET
HC02-37	0.013	0.2	1	5	25	OUTLET
HC02-38	0.013	0.2	1	5	25	OUTLET
HC02-39	0.013	0.2	1	5	25	OUTLET
HC03-01	0.013	0.2	1	5	25	OUTLET
HC03-02	0.013	0.2	1	5	25	OUTLET
HC03-03	0.013	0.2	1	5	25	OUTLET
HC03-04	0.013	0.2	1	5	25	OUTLET
HC03-05	0.013	0.2	1	5	25	OUTLET
HC03-06	0.013	0.2	1	5	25	OUTLET
HC03-07	0.013	0.2	1	5	25	OUTLET
HC03-08	0.013	0.2	1	5	25	OUTLET
HC03-09	0.013	0.2	1	5	25	OUTLET
HC03-10	0.013	0.2	1	5	25	OUTLET
HC03-11	0.013	0.2	1	5	25	OUTLET
HC03-12	0.013	0.2	1	5	25	OUTLET
HC03-13	0.013	0.2	1	5	25	OUTLET
HC03-14	0.013	0.2	1	5	25	OUTLET
HC03-15	0.013	0.2	1	5	25	OUTLET
HC03-16	0.013	0.2	1	5	25	OUTLET
HC03-17	0.013	0.2	1	5	25	OUTLET
HC03-18	0.013	0.2	1	5	25	OUTLET
HC03-19	0.013	0.2	1	5	25	OUTLET
HC03-20	0.013	0.2	1	5	25	OUTLET
HC04-01	0.013	0.2	1	5	25	OUTLET
HC04-02	0.013	0.2	1	5	25	OUTLET
HC04-03	0.013	0.2	1	5	25	OUTLET

HC04-04	0.013	0.2	1	5	25	OUTLET
HC04-05	0.013	0.2	1	5	25	OUTLET
HC04-06	0.013	0.2	1	5	25	OUTLET
HC04-07	0.013	0.2	1	5	25	OUTLET
HC04-08	0.013	0.2	1	5	25	OUTLET
HC04-09	0.013	0.2	1	5	25	OUTLET
HC04-10	0.013	0.2	1	5	25	OUTLET
HC04-11	0.013	0.2	1	5	25	OUTLET
HC04-12	0.013	0.2	1	5	25	OUTLET
HC04-13	0.013	0.2	1	5	25	OUTLET
HC04-14	0.013	0.2	1	5	25	OUTLET
HC04-15	0.013	0.2	1	5	25	OUTLET
HC04-16	0.013	0.2	1	5	25	OUTLET
HC04-17	0.013	0.2	1	5	25	OUTLET
HC04-18	0.013	0.2	1	5	25	OUTLET
HC04-19	0.013	0.2	1	5	25	OUTLET
HC04-20	0.013	0.2	1	5	25	OUTLET
HC04-21	0.013	0.2	1	5	25	OUTLET
HC04-22	0.013	0.2	1	5	25	OUTLET
HC04-23	0.013	0.2	1	5	25	OUTLET
HC04-24	0.013	0.2	1	5	25	OUTLET
HC04-25	0.013	0.2	1	5	25	OUTLET
HC04-26	0.013	0.2	1	5	25	OUTLET
HC04-27	0.013	0.2	1	5	25	OUTLET
HC04-28	0.013	0.2	1	5	25	OUTLET
HC04-29	0.013	0.2	1	5	25	OUTLET
HC04-30	0.013	0.2	1	5	25	OUTLET
HC04-31	0.013	0.2	1	5	25	OUTLET
HC04-32	0.013	0.2	1	5	25	OUTLET
HC04-33	0.013	0.2	1	5	25	OUTLET
HC04-34	0.013	0.2	1	5	25	OUTLET
HC04-35	0.013	0.2	1	5	25	OUTLET
HC04-36	0.013	0.2	1	5	25	OUTLET
HC05-01	0.013	0.2	1	5	25	OUTLET
HC05-02	0.013	0.2	1	5	25	OUTLET
HC05-03	0.013	0.2	1	5	25	OUTLET
HC05-04	0.013	0.2	1	5	25	OUTLET
HC05-05	0.013	0.2	1	5	25	OUTLET
HC05-06	0.013	0.2	1	5	25	OUTLET
HC05-07	0.013	0.2	1	5	25	OUTLET
HC05-08	0.013	0.2	1	5	25	OUTLET

HC05-09	0.013	0.2	1	5	25	OUTLET
HC05-10	0.013	0.2	1	5	25	OUTLET
HC05-11	0.013	0.2	1	5	25	OUTLET
HC06-01	0.013	0.2	1	5	25	OUTLET
HC06-02	0.013	0.2	1	5	25	OUTLET
HC06-03	0.013	0.2	1	5	25	OUTLET
HC06-04	0.013	0.2	1	5	25	OUTLET
HC06-05	0.013	0.2	1	5	25	OUTLET
HC06-06	0.013	0.2	1	5	25	OUTLET
HC06-07	0.013	0.2	1	5	25	OUTLET
HC06-08	0.013	0.2	1	5	25	OUTLET
HC06-09	0.013	0.2	1	5	25	OUTLET
HC06-10	0.013	0.2	1	5	25	OUTLET
HC06-11	0.013	0.2	1	5	25	OUTLET
HC06-12	0.013	0.2	1	5	25	OUTLET
HC06-13	0.013	0.2	1	5	25	OUTLET
HC06-14	0.013	0.2	1	5	25	OUTLET
HC06-15	0.013	0.2	1	5	25	OUTLET
HC06-16	0.013	0.2	1	5	25	OUTLET
HC06-17	0.013	0.2	1	5	25	OUTLET
HC06-18	0.013	0.2	1	5	25	OUTLET
HC06-19	0.013	0.2	1	5	25	OUTLET
HC06-20	0.013	0.2	1	5	25	OUTLET
HC06-21	0.013	0.2	1	5	25	OUTLET
HC06-22	0.013	0.2	1	5	25	OUTLET
HC06-23	0.013	0.2	1	5	25	OUTLET
HC06-24	0.013	0.2	1	5	25	OUTLET
HC06-25	0.013	0.2	1	5	25	OUTLET
HC06-26	0.013	0.2	1	5	25	OUTLET
HC06-27	0.013	0.2	1	5	25	OUTLET
HC06-28	0.013	0.2	1	5	25	OUTLET
HC06-29	0.013	0.2	1	5	25	OUTLET
HC06-30	0.013	0.2	1	5	25	OUTLET
HC06-31	0.013	0.2	1	5	25	OUTLET
HC06-32	0.013	0.2	1	5	25	OUTLET
HC07-01	0.013	0.2	1	5	25	OUTLET
HC07-02	0.013	0.2	1	5	25	OUTLET
HC07-03	0.013	0.2	1	5	25	OUTLET
HC07-04	0.013	0.2	1	5	25	OUTLET
HC07-05	0.013	0.2	1	5	25	OUTLET
HC07-06	0.013	0.2	1	5	25	OUTLET

```
HC07-07          0.013      0.2        1          5          25         OUTLET
HC07-08          0.013      0.2        1          5          25         OUTLET
HC07-09          0.013      0.2        1          5          25         OUTLET
HC08-01          0.013      0.2        1          5          25         OUTLET
HC08-02          0.013      0.2        1          5          25         OUTLET
HC08-03          0.013      0.2        1          5          25         OUTLET
HC08-04          0.013      0.2        1          5          25         OUTLET
HC08-05          0.013      0.2        1          5          25         OUTLET
HC08-06          0.013      0.2        1          5          25         OUTLET
HC08-07          0.013      0.2        1          5          25         OUTLET
HC08-08          0.013      0.2        1          5          25         OUTLET
HC08-09          0.013      0.2        1          5          25         OUTLET
HC08-10          0.013      0.2        1          5          25         OUTLET
HC09-01          0.013      0.2        1          5          25         OUTLET
HC09-02          0.013      0.2        1          5          25         OUTLET
HC09-03          0.013      0.2        1          5          25         OUTLET
HC09-04          0.013      0.2        1          5          25         OUTLET
HC09-05          0.013      0.2        1          5          25         OUTLET
HC09-06          0.013      0.2        1          5          25         OUTLET
HC09-07          0.013      0.2        1          5          25         OUTLET
HC10-01          0.013      0.2        1          5          25         OUTLET
HC10-02          0.013      0.2        1          5          25         OUTLET
HC10-03          0.013      0.2        1          5          25         OUTLET
HC10-04          0.013      0.2        1          5          25         OUTLET
HC10-05          0.013      0.2        1          5          25         OUTLET
HC10-06          0.013      0.2        1          5          25         OUTLET
HC10-07          0.013      0.2        1          5          25         OUTLET
HC10-08          0.013      0.2        1          5          25         OUTLET
HC10-09          0.013      0.2        1          5          25         OUTLET
HC10-10          0.013      0.2        1          5          25         OUTLET
HC10-11          0.013      0.2        1          5          25         OUTLET
HC10-12          0.013      0.2        1          5          25         OUTLET
HC10-13          0.013      0.2        1          5          25         OUTLET
HC10-14          0.013      0.2        1          5          25         OUTLET
HC10-15          0.013      0.2        1          5          25         OUTLET

[INFILTRATION]
;;Subcatchment   Suction    HydCon     IMDmax
;;-------------- ---------- ---------- ----------
A1               166        5          0.2
A1.1             248        2          0.2
```

A1.1_FRST	227	3	0.2
A2	192	5	0.2
A2.1	238	4	0.2
A2.1_FRST	235	5	0.2
A2.2	244	3	0.2
A2.2_FRST	229	5	0.2
A3	157	8	0.2
A3.1	250	2	0.2
A3.1_FRST	238	5	0.2
A3.2	242	3	0.2
A3.2_FRST	193	7	0.2
A3.3	249	2	0.2
A3.3_FRST	179	8	0.2
A4	156	6	0.2
A4.1	247	2	0.2
A4.1_FRST	210	6	0.2
A4.2	250	2	0.2
A4.2_FRST	220	4	0.2
A4.3	243	3	0.2
A4.3_FRST	154	9	0.2
A4.4_FRST	144	10	0.2
A4.5	245	2	0.2
A4.5_FRST	233	3	0.2
A4.6	193	7	0.2
A4.6_FRST	152	9	0.2
B1	250	2	0.2
B1.1	250	2	0.2
B1.1_FRST	250	2	0.2
B2	250	2	0.2
B2.1	250	2	0.2
B2.1_FRST	250	2	0.2
C1	147	5	0.2
C1.1	236	3	0.2
C1.1_FRST	151	5	0.2
D1	145	7	0.2
D1.1	147	10	0.2
D1.1_FRST	146	7	0.2
D2	146	6	0.2
D2.1	155	9	0.2
D2.1_FRST	145	8	0.2
D3	172	5	0.2

D3.1	160	9	0.2
D4	145	7	0.2
D4.1	172	8	0.2
D4.1_FRST	150	8	0.2
E1	213	5	0.2
E1.1	188	5	0.2
E1.1_FRST	166	7	0.2
E2	233	3	0.2
E2.1	250	2	0.2
E2.1_FRST	241	3	0.2
E3	170	9	0.2
E3.1	217	5	0.2
E3.1_FRST	201	6	0.2
HC01-01	237	4.6	0.2
HC01-02	237	4.5	0.2
HC01-03	237	4.5	0.2
HC01-04	237	4.7	0.2
HC01-05	237	4.5	0.2
HC01-06	237	4.5	0.2
HC01-07	237	4.5	0.2
HC01-08	237	4.5	0.2
HC01-09	237	4.5	0.2
HC01-10	237	4.5	0.2
HC01-11	237	4.5	0.2
HC01-12	146	4.5	0.2
HC02-01	237	4.4	0.2
HC02-02	237	3.9	0.2
HC02-03	237	4.1	0.2
HC02-04	237	4.3	0.2
HC02-05	237	4.4	0.2
HC02-06	237	4.4	0.2
HC02-07	237	4.5	0.2
HC02-08	237	4.6	0.2
HC02-09	237	4.5	0.2
HC02-10	237	4.6	0.2
HC02-11	237	4.5	0.2
HC02-12	237	4.6	0.2
HC02-13	237	4.6	0.2
HC02-14	237	4.6	0.2
HC02-15	237	4.5	0.2
HC02-16	144	9.7	0.2

HC02-17	146	4.5	0.2
HC02-18	144	9.7	0.2
HC02-19	144	9.6	0.2
HC02-20	237	4.3	0.2
HC02-21	237	4.5	0.2
HC02-22	237	4.5	0.2
HC02-23	237	4.1	0.2
HC02-24	237	3.6	0.2
HC02-25	237	4	0.2
HC02-26	237	3.8	0.2
HC02-27	144	9.6	0.2
HC02-28	144	9.6	0.2
HC02-29	144	9.3	0.2
HC02-30	144	10.4	0.2
HC02-31	144	9.5	0.2
HC02-32	144	9.6	0.2
HC02-33	144	9.5	0.2
HC02-34	144	9.3	0.2
HC02-35	144	10.3	0.2
HC02-36	144	10	0.2
HC02-37	144	10	0.2
HC02-38	237	4.5	0.2
HC02-39	237	4.6	0.2
HC03-01	237	3.7	0.2
HC03-02	237	4.4	0.2
HC03-03	237	4.4	0.2
HC03-04	237	4.4	0.2
HC03-05	237	4.2	0.2
HC03-06	237	4.5	0.2
HC03-07	237	4.4	0.2
HC03-08	144	9.9	0.2
HC03-09	144	10	0.2
HC03-10	144	9.9	0.2
HC03-11	144	9.9	0.2
HC03-12	144	9.7	0.2
HC03-13	144	9.5	0.2
HC03-14	144	7.6	0.2
HC03-15	144	9.7	0.2
HC03-16	144	9.5	0.2
HC03-17	237	4.2	0.2
HC03-18	237	3.6	0.2

HC03-19	237	4.7	0.2
HC03-20	237	4.7	0.2
HC04-01	146	4.6	0.2
HC04-02	144	10	0.2
HC04-03	144	10	0.2
HC04-04	146	4.6	0.2
HC04-05	144	9.8	0.2
HC04-06	144	9.8	0.2
HC04-07	144	9.1	0.2
HC04-08	144	9.9	0.2
HC04-09	144	9.8	0.2
HC04-10	144	9.8	0.2
HC04-11	144	10.2	0.2
HC04-12	144	9.8	0.2
HC04-13	144	9.5	0.2
HC04-14	237	4.5	0.2
HC04-15	237	4.5	0.2
HC04-16	237	4.4	0.2
HC04-17	237	4.5	0.2
HC04-18	237	4.5	0.2
HC04-19	237	4.6	0.2
HC04-20	237	4.6	0.2
HC04-21	237	4.5	0.2
HC04-22	237	4.5	0.2
HC04-23	237	4.6	0.2
HC04-24	237	4.5	0.2
HC04-25	146	4.5	0.2
HC04-26	144	9.8	0.2
HC04-27	237	4.6	0.2
HC04-28	144	9.5	0.2
HC04-29	146	4.5	0.2
HC04-30	146	4.5	0.2
HC04-31	144	9.4	0.2
HC04-32	144	9.5	0.2
HC04-33	144	9.7	0.2
HC04-34	144	10	0.2
HC04-35	144	9.7	0.2
HC04-36	146	4.3	0.2
HC05-01	146	4.6	0.2
HC05-02	146	4.6	0.2
HC05-03	144	5	0.2

HC05-04	144	10	0.2
HC05-05	144	9.3	0.2
HC05-06	144	9.7	0.2
HC05-07	144	9.8	0.2
HC05-08	144	9.7	0.2
HC05-09	144	9.8	0.2
HC05-10	144	9.6	0.2
HC05-11	144	10	0.2
HC06-01	237	4.4	0.2
HC06-02	237	4.4	0.2
HC06-03	237	4.8	0.2
HC06-04	237	4.8	0.2
HC06-05	237	4.5	0.2
HC06-06	237	4.5	0.2
HC06-07	146	4.5	0.2
HC06-08	237	4.5	0.2
HC06-09	237	4.5	0.2
HC06-10	237	4.5	0.2
HC06-11	146	4.4	0.2
HC06-12	146	4.4	0.2
HC06-13	144	8.2	0.2
HC06-14	144	7.8	0.2
HC06-15	144	3.5	0.2
HC06-16	144	5.9	0.2
HC06-17	144	8	0.2
HC06-18	144	8	0.2
HC06-19	144	3.5	0.2
HC06-20	144	3.5	0.2
HC06-21	144	6.6	0.2
HC06-22	144	3.5	0.2
HC06-23	144	6.2	0.2
HC06-24	144	3.5	0.2
HC06-25	146	4.4	0.2
HC06-26	144	9.7	0.2
HC06-27	144	5	0.2
HC06-28	144	3.5	0.2
HC06-29	146	4.7	0.2
HC06-30	146	4.2	0.2
HC06-31	144	10.3	0.2
HC06-32	144	10	0.2
HC07-01	144	9.7	0.2

HC07-02	144	9.8	0.2
HC07-03	144	9.6	0.2
HC07-04	144	9.7	0.2
HC07-05	144	9.8	0.2
HC07-06	144	9.7	0.2
HC07-07	144	9.8	0.2
HC07-08	144	9.6	0.2
HC07-09	144	10.3	0.2
HC08-01	146	4.5	0.2
HC08-02	146	4.4	0.2
HC08-03	144	9.5	0.2
HC08-04	146	4.6	0.2
HC08-05	146	4.3	0.2
HC08-06	146	4.5	0.2
HC08-07	146	4.5	0.2
HC08-08	146	3.7	0.2
HC08-09	146	4.2	0.2
HC08-10	146	4.7	0.2
HC09-01	144	10.1	0.2
HC09-02	144	10.2	0.2
HC09-03	144	9.9	0.2
HC09-04	144	10	0.2
HC09-05	144	9.9	0.2
HC09-06	144	9.9	0.2
HC09-07	144	9.7	0.2
HC10-01	144	10.1	0.2
HC10-02	144	9.4	0.2
HC10-03	144	9.6	0.2
HC10-04	144	9.9	0.2
HC10-05	144	10	0.2
HC10-06	144	9.9	0.2
HC10-07	144	9.9	0.2
HC10-08	144	10	0.2
HC10-09	144	9.9	0.2
HC10-10	144	10	0.2
HC10-11	144	9.8	0.2
HC10-12	144	10.3	0.2
HC10-13	144	9.9	0.2
HC10-14	144	9.9	0.2
HC10-15	144	9.9	0.2

```
[JUNCTIONS]
;;               Invert     Max.       Init.      Surcharge  Ponded
;;Name           Elev.      Depth      Depth      Depth      Area
;;-------------- ---------- ---------- ---------- ---------- ----------
1                332.644    3          0          0          0
11               316.607    3          0          0          0
12               315.5      3          0          0          0
;07
13               314.5      3          0          0          0
14               331.1      3          0          0          0
15               313.95     3          0          0          0
17               312        3          0          0          0
;02
18               322.5      3          0          0          0
19               323.5      3          0          0          0
2                324        3          0          0          0
20               330.1      0          0          0          0
;05
21               321.1      3          0          0          0
;03
22               321.5      3          0          0          0
24               320.5      3          0          0          0
25               321.103    3          0          0          0
26               327.931    3          0          0          0
27               326.5      3          0          0          0
28               326.1      3          0          0          0
29               323.893    3          0          0          0
3                330.57     3          0          0          0
30               320.5      3          0          0          0
;06
31               320.148    3          0          0          0
32               319        3          0          0          0
34               317.868    3          0          0          0
35               317.5      3          0          0          0
36               315.5      3          0          0          0
37               324.1      3          0          0          0
39               321.3      3          0          0          0
4                325        3          0          0          0
40               319.1      3          0          0          0
42               322.1      3          0          0          0
48               324.6      3          0          0          0
```

```
49                321.6      3          0          0          0
;01
5                 329.5      3          0          0          0
50                318.1      3          0          0          0
53                314.1      3          0          0          0
54                313.925    3          0          0          0
;08
56                301.1      3          0          0          0
6                 329        3          0          0          0
7                 318.1      3          0          0          0
8                 320.964    3          0          0          0
;04
9                 320.404    3          0          0          0
;NA
MHEasement1       319.07     3.83       0          0          0
;NA
MHEasement2       318.7      2          0          0          0
;Represents direct connection point of servicing from public school
;Rim elevation approximated by neighbouring MH values and contours
MHSchool          328.55     3.18       0          0.3        0
;NA
MHSWM4            319.25     4.3        0          0.3        0
;NA
PWOPRMHS0001369   319.39     2.49       0          0.3        0
;NA
PWOPRMHS0001370   319.27     3.33       0          0.3        0
;NA
PWOPRMHS0001371   319.82     3.07       0          0.3        0
;NA
PWOPRMHS0001372   320.15     3.07       0          0.3        0
;NA
PWOPRMHS0001373   320.02     2.26       0          0.3        0
;NA
PWOPRMHS0001374   319.69     2.9        0          0.3        0
;NA
PWOPRMHS0001375   319.57     2.83       0          0.3        0
;NA
PWOPRMHS0001386   318.61     2.05       0          0.3        0
;NA
PWOPRMHS0001387   318.75     2.27       0          0.3        0
;NA
```

```
PWOPRMHS0001388  318.93     2.35       0          0.3        0
;NA
PWOPRMHS0001389  319.13     2.39       0          0.3        0
;NA
PWOPRMHS0001390  317.49     3.36       0          0.3        0
;NA
PWOPRMHS0001391  317.27     3.16       0          0.3        0
;NA
PWOPRMHS0001392  318.18     2.66       0          0.3        0
;NA
PWOPRMHS0001393  320.19     2.79       0          0.3        0
;NA
PWOPRMHS0001394  316.86     2.8        0          0.3        0
;NA
PWOPRMHS0001395  316.79     2.63       0          0.3        0
;NA
PWOPRMHS0001398  317.27     3.29       0          0.3        0
;NA
PWOPRMHS0001399  317.15     2.87       0          0.3        0
;NA
PWOPRMHS0001400  316.99     2.75       0          0.3        0
;NA
PWOPRMHS0001401  316.67     2.83       0          0.3        0
;NA
PWOPRMHS0001402  316.5      2.78       0          0.3        0
;NA
PWOPRMHS0001403  321.7      3.25       0          0.3        0
;NA
PWOPRMHS0001404  320.54     2.9        0          0.3        0
;NA
PWOPRMHS0001408  320.83     2.96       0          0.3        0
;NA
PWOPRMHS0001409  327.81     2.43       0          0.3        0
;NA
PWOPRMHS0001410  326.47     3.97       0          0.3        0
;NA
PWOPRMHS0001411  327.47     3.16       0          0.3        0
;NA
PWOPRMHS0001412  331.69     3.81       0          0.3        0
;NA
PWOPRMHS0001413  331.74     3.86       0          0.3        0
```

```
;NA
PWOPRMHS0001415  319.68     2.59       0          0.3        0
;NA
PWOPRMHS0001416  318.99     4.22       0          0.3        0
;NA
PWOPRMHS0001418  318.73     3.45       0          0.3        0
;NA
PWOPRMHS0001419  319.99     3.16       0          0.3        0
;NA
PWOPRMHS0001420  320.5      3.14       0          0.3        0
;NA
PWOPRMHS0001421  320.94     3.21       0          0.3        0
;NA
PWOPRMHS0001422  320.28     2.33       0          0.3        0
;NA
PWOPRMHS0001423  320.43     2.8        0          0.3        0
;NA
PWOPRMHS0001424  320.96     2.34       0          0.3        0
;NA
PWOPRMHS0001428  323.21     3.02       0          0.3        0
;NA
PWOPRMHS0001429  321.35     3.17       0          0.3        0
;NA
PWOPRMHS0001430  321.23     2.88       0          0.3        0
;NA
PWOPRMHS0001431  323.01     3.1        0          0.3        0
;NA
PWOPRMHS0001433  319.78     3.9        0          0.3        0
;NA
PWOPRMHS0001435  319.64     2.89       0          0.3        0
;NA
PWOPRMHS0001436  318.35     5.33       0          0.3        0
;NA
PWOPRMHS0001437  319.38     3.85       0          0.5        0
;NA
PWOPRMHS0001438  318.2      4.24       0          0.3        0
;NA
PWOPRMHS0001467  320.92     2.97       0          0.3        0
PWOPRMHS0001597  324.78     2.86       0          0.3        0
PWOPRMHS0001598  325.49     2.11       0          0.3        0
PWOPRMHS0001600  324.66     3.3        0          0.3        0
```

```
PWOPRMHS0001601  326.15     2          0          0.3        0
PWOPRMHS0001602  325.98     2          0          0.3        0
PWOPRMHS0001603  324.23     3.25       0          0.3        0
PWOPRMHS0001604  323.95     3.47       0          0.3        0
PWOPRMHS0001605  324.34     3.15       0          0.3        0
PWOPRMHS0001606  323.57     3.36       0          0.3        0
PWOPRMHS0001608  325.67     2.5        0          0.3        0
PWOPRMHS0001610  325.44     2.21       0          0.3        0
;NA
PWOPRMHS0001611  322.87     2.24       0          0.3        0
;NA
PWOPRMHS0001614  322.91     3.09       0          0.3        0
;NA
PWOPRMHS0001622  332.73     2.22       0          0.3        0
;NA
PWOPRMHS0001624  330.92     3.93       0          0.3        0
;NA
PWOPRMHS0001625  330.61     4.33       0          0.3        0
;NA
PWOPRMHS0001626  331        4.4        0          0.3        0
;NA
PWOPRMHS0001634  326.21     3.77       0          0.3        0
;NA
PWOPRMHS0001642  323.27     2.84       0          0.3        0
;NA
PWOPRMHS0001643  323.38     2.83       0          0.3        0
;NA
PWOPRMHS0001649  329.21     4.17       0          0.3        0
;NA
PWOPRMHS0001650  329.57     3.87       0          0.3        0
;NA
PWOPRMHS0001651  330.28     4.11       0          0.3        0
;NA
PWOPRMHS0001652  326.89     2.16       0          0.3        0
;NA
PWOPRMHS0001653  325.24     2.15       0          0.3        0
;NA
PWOPRMHS0001654  324.91     2.39       0          0.3        0
;NA
PWOPRMHS0001655  330        3.56       0          0.3        0
;NA
```

```
PWOPRMHS0001657  324.58     2.47       0          0.3        0
;NA
PWOPRMHS0001658  324.92     2.21       0          0.3        0
;NA
PWOPRMHS0001659  325.31     2.46       0          0.3        0
;NA
PWOPRMHS0001660  324.1      2.85       0          0.3        0
;NA
PWOPRMHS0001661B 324.31     2.45       0          0.3        0
;NA
PWOPRMHS0001662  323.95     2.98       0          0.3        0
;NA
PWOPRMHS0001663  324.06     2.66       0          0.3        0
;NA
PWOPRMHS0001664  326.35     2.28       0          0.3        0
PWOPRMHS0001667  323.15     3.08       0          0.3        0
PWOPRMHS0001670  322.92     2          0          0.3        0
PWOPRMHS0001674  325.88     3.53       0          0.3        0
PWOPRMHS0001676  326.33     3.2        0          0.3        0
PWOPRMHS0001677  326.59     3.15       0          0.3        0
;Rim elevation estimated
PWOPRMHS0001678  327.01     2.79       0          0.3        0
PWOPRMHS0001679  335.89     2.66       0          0.3        0
PWOPRMHS0001680  335.06     3.4        0          0.3        0
PWOPRMHS0001682  328.1      3.89       0          0.3        0
PWOPRMHS0001686  328.55     3.6        0          0.3        0
PWOPRMHS0001687  326.4      3.48       0          0.3        0
PWOPRMHS0001688  326.1      3.34       0          0.3        0
PWOPRMHS0001689  326.61     3.68       0          0.3        0
PWOPRMHS0001690  326.74     3.56       0          0.3        0
PWOPRMHS0001691  326.982    3.598      0          0.3        0
PWOPRMHS0001692  327.57     3.44       0          0.3        0
;NA
PWOPRMHS0001695  322.25     3.57       0          0.3        0
;NA
PWOPRMHS0001697  323.91     3.11       0          0.3        0
PWOPRMHS0001705  328.53     3.5        0          0.3        0
PWOPRMHS0001706  327.14     3.06       0          0.3        0
PWOPRMHS0001713  325.51     3.65       0          0.3        0
PWOPRMHS0001729  329.08     3.52       0          0.3        0
PWOPRMHS0001732  328.98     3.3        0          0.3        0
```

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;NA
PWOPRMHS0001733  324.05     2.7        0          0.3        0
;NA
PWOPRMHS0001736  323.4      3.15       0          0.3        0
PWOPRMHS0001739  328.89     3.32       0          0.3        0
PWOPRMHS0001740  328.72     3.33       0          0.3        0
PWOPRMHS0001741  329.48     2.76       0          0.3        0
PWOPRMHS0001743  327.29     3.33       0          0.3        0
PWOPRMHS0001744  327.73     3.33       0          0.3        0
PWOPRMHS0001745  328.06     3.3        0          0.3        0
PWOPRMHS0001746  327.93     3.33       0          0.3        0
;NA
PWOPRMHS0001761  329.15     2.76       0          0.3        0
;NA
PWOPRMHS0001764  327.46     3.78       0          0.3        0
;NA
PWOPRMHS0001765  328.04     2.39       0          0.3        0
;NA
PWOPRMHS0001766  328.32     2.41       0          0.3        0
;NA
PWOPRMHS0001767  327.25     3.62       0          0.3        0
;NA
PWOPRMHS0001768  327.85     2.58       0          0.3        0
;NA
PWOPRMHS0001788  322.94     3.97       0          0.3        0
;NA
PWOPRMHS0001791  325.59     5.96       0          0.3        0
;NA
PWOPRMHS0001792  325.24     6.82       0          0.3        0
;NA
PWOPRMHS0001796  326.65     4.02       0          0          0
;NA
PWOPRMHS0001797  326.4      4.83       0          0          0
;NA
PWOPRMHS0001798  326.06     5.77       0          0.3        0
;NA
PWOPRMHS0001804  331.98     3.61       0          0.3        0
;NA
PWOPRMHS0001836  324.56     5.25       0          0.3        0
;NA
PWOPRMHS0001855  326.21     3.73       0          0.3        0
```

```
;NA
PWOPRMHS0001856  327.73     3.67       0          0.3        0
;NA
PWOPRMHS0001857  322.43     3.51       0          0.3        0
;NA
PWOPRMHS0001858  329.93     3.69       0          0.3        0
;NA
PWOPRMHS0001867  331.94     2.78       0          0.3        0
PWOPRMHS0001874  329.87     3.05       0          0.3        0
;NA
PWOPRMHS0001878  323.28     2.96       0          0.3        0
;NA
PWOPRMHS0001879  323.04     3.03       0          0.3        0
;NA
PWOPRMHS0001881  323.57     2.92       0          0.3        0
;NA
PWOPRMHS0001889  324.63     3.44       0          0.3        0
;NA
PWOPRMHS0001890  324.52     3.31       0          0.3        0
;NA
PWOPRMHS0001891  325.1      2.9        0          0.3        0
;NA
PWOPRMHS0001894  324.23     3          0          0.3        0
;NA
PWOPRMHS0001903  332.72     2.54       0          0.3        0
;NA
PWOPRMHS0001904  330.44     3.67       0          0.3        0
;NA
PWOPRMHS0001906  318.8      3.49       0          0.3        0
;NA
PWOPRMHS0001907  318.83     2.99       0          0.3        0
;NA
PWOPRMHS0001908  319.55     3.08       0          0.3        0
;NA
PWOPRMHS0001911  318.49     3.65       0          0.3        0
;NA
PWOPRMHS0001912  317.51     3.82       0          0.3        0
;NA
PWOPRMHS0001914  331.83     2.71       0          0.3        0
;NA
PWOPRMHS0001915  329.19     3.84       0          0.3        0
```

```
;NA
PWOPRMHS0001916  327.59     3.14       0          0.3        0
;NA
PWOPRMHS0001917  319.24     2.98       0          0.3        0
;NA
PWOPRMHS0001918  317.81     4.03       0          0.3        0
PWOPRMHS0001919  327.8      2.84       0          0.3        0
;NA
PWOPRMHS0001925  323.33     3.36       0          0.3        0
;NA
PWOPRMHS0001926  322.69     2.47       0          0.3        0
;NA
PWOPRMHS0001927  323.51     2.31       0          0.3        0
;NA
PWOPRMHS0001928  322.2      2.41       0          0.3        0
;NA
PWOPRMHS0001929  323.85     3.52       0          0.3        0
;NA
PWOPRMHS0001930  323.07     3.07       0          0.3        0
;NA
PWOPRMHS0001931  324.99     5.43       0          0.3        0
;NA
PWOPRMHS0001932  325.31     8.34       0          0.3        0
;NA
PWOPRMHS0001933  325.66     9.07       0          0.3        0
;NA
PWOPRMHS0001935  326.03     7.44       0          0.3        0
;NA
PWOPRMHS0001937  324.28     3.82       0          0.3        0
;NA
PWOPRMHS0001939  327.51     3.59       0          0.3        0
;NA
PWOPRMHS0001941  326.79     3.74       0          0          0
;NA
PWOPRMHS0001943  326.42     5.3        0          0.3        0
;NA
PWOPRMHS0001944  322.64     3          0          0.3        0
;NA
PWOPRMHS0001945  323.32     2.88       0          0.3        0
;NA
PWOPRMHS0001947  324.02     2.7        0          0.3        0
```

```
PWOPRMHS0002041  329.07     2.98       0          0.3        0
PWOPRMHS0002042  329.56     4.01       0          0.3        0
PWOPRMHS0002046  330.72     2.86       0          0.3        0
PWOPRMHS0002050  328.97     2.87       0          0.3        0
PWOPRMHS0002051  328.27     3.3        0          0.3        0
;NA
PWOPRMHS0002080  325.23     3.1        0          0.3        0
;NA
PWOPRMHS0002082  326.71     4.05       0          0.3        0
;NA
PWOPRMHS0002083  325.32     3.61       0          0.3        0
;NA
PWOPRMHS0002084  324.97     3.82       0          0.3        0
;NA
PWOPRMHS0002085  329.39     3.11       0          0.3        0
PWOPRMHS0002095  336.04     3.41       0          0.3        0
PWOPRMHS0003136  328.89     3.7        0          0.3        0
PWOPRMHS0003137  329.5      3.26       0          0.3        0
PWOPRMHS0003140  327.35     2.76       0          0.3        0
PWOPRMHS0003146  334.6      3.92       0          0.3        0
PWOPRMHS0003147  333.79     2.72       0          0.3        0
PWOPRMHS0003148  331.89     3.16       0          0.3        0
PWOPRMHS0003149  330.86     3.81       0          0.3        0
PWOPRMHS0003153  336.16     2.43       0          0.3        0
PWOPRMHS0003160  335.5      2.92       0          0.3        0
PWOPRMHS0004129  329.07     2          0          0.3        0
PWOPRMHS0004130  328.83     2.13       0          0.3        0
PWOPRMHS0004131  328.57     2          0          0.3        0
PWOPRMHS0004132  328.13     2.51       0          0.3        0
PWOPRMHS0004133  328.79     2          0          0.3        0
PWOPRMHS0004134  331.94     2          0          0.3        0
PWOPRMHS0004135  332.43     2.02       0          0.3        0
PWOPRMHS0004137  334.38     2.53       0          0.3        0
PWOPRMHS0004141  327.38     2.19       0          0.3        0
PWOPRMHS0004142  327.04     2.46       0          0.3        0
PWOPRMHS0004143  327.78     2          0          0.3        0
PWOPRMHS0004146  332.4      2          0          0.3        0
PWOPRMHS0004159  329.63     2          0          0.3        0
PWOPRMHS0004201  329.52     2          0          0.3        0
PWOPRMHS0004998  326.73     2          0          0.3        0
PWOPRMHS0004999  327.49     2          0          0.3        0
```

```
PWOPRMHS0005000  326.99     2.32       0          0.3        0
PWOPRMHS0005001  327.12     2.55       0          0.3        0
PWOPRMHS0005003  326.19     2          0          0.3        0
PWOPRMHS0005008  338.52     4.48       0          0.3        0
PWOPRMHS0005009  339.39     4.26       0          0.3        0
PWOPRMHS0005010  338.14     4.66       0          0.3        0
PWOPRMHS0005011  334.98     3.72       0          0.3        0
PWOPRMHS0005012  335.55     3.95       0          0.3        0
PWOPRMHS0005013  334.8      3.45       0          0.3        0
PWOPRMHS0005178  328.64     2          0          0.3        0
;NA
PWOPRMHS0005179  326.2      4.1        0          0.3        0
;NA
PWOPRMHS0005181  326.66     3.12       0          0.3        0
;NA
PWOPRMHS0005183  327.74     2.96       0          0.3        0
;NA
PWOPRMHS0005188  329.94     2.33       0          0.3        0
;NA
PWOPRMHS0005196  328.21     2.69       0          0.3        0
;NA
PWOPRMHS0005223  325.84     3.81       0          0.3        0
;NA
PWOPRMHS0005226  325.46     3.04       0          0.3        0
;NA
PWOPRMHS0005229  324.74     2.51       0          0.3        0
;NA
PWOPRMHS0005230  324.55     2.65       0          0.3        0
;NA
PWOPRMHS0005231  325.24     2.4        0          0.3        0
;NA
PWOPRMHS0005906  319.63     2          0          0.3        0
;NA
PWOPRMHS0005908  318.92     2.18       0          0.3        0
;NA
PWOPRMHS0005909  318.44     2.56       0          0.3        0
;NA
PWOPRMHS0005910  318.95     2.55       0          0.3        0
;NA
PWOPRMHS0005911  319.29     2.46       0          0.3        0
;NA
```

```
PWOPRMHS0005924  318.6      2.4        0          0.3        0
;NA
PWOPRMHS0005926  318.05     2.75       0          0.3        0
;NA
PWOPRMHS0005927  317.76     2.44       0          0.3        0
;NA
PWOPRMHS0005930  317.25     2.3        0          0.3        0
;NA
PWOPRMHS0005931  317.7      2          0          0.3        0
;NA
PWOPRMHS0005932  317.88     2          0          0.3        0
;NA
PWOPRMHS0005944  318.32     2.18       0          0.3        0
;NA
PWOPRMHS0005945  318.22     2          0          0.3        0
;NA
PWOPRMHS0005946  318.5      2          0          0.3        0
SWMPOND          322        3          0          0.3        0

[OUTFALLS]
;;               Invert     Outfall    Stage/Table      Tide
;;Name           Elev.      Type       Time Series      Gate     Route To
;;-------------- ---------- ---------- ---------------- -------- ----------------
HanlonCreek      300        FREE                        NO

[CONDUITS]
;;               Inlet            Outlet                       Manning    Inlet      Outlet     Init.      Max.
;;Name           Node             Node             Length      N          Offset     Offset     Flow       Flow
;;-------------- ---------------- ---------------- ---------- ---------- ---------- ---------- ---------- ---------
-
1                1                14               360.305    0.013      0          0          0          0
10               24               9                457.949    0.013      0          0          0          0
11               18               42               301.149    0.013      0          0          0          0
;B1_PEAK
13               37               19               155.827    0.013      0          0          0          0
14               19               18               146.578    0.013      0          0          0          0
15               22               25               93.126     0.013      0          0          0          0
16               2                8                631.141    0.013      324        320.964    0          0
17               25               24               181.69     0.013      0          0          0          0
18               9                7                420.604    0.013      0          0          0          0
19               11               12               195.669    0.013      0          0          0          0
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;A1_PEAK
2               14              3               73.666     0.013      0          0          0          0
20              12              13              179.641    0.013      0          0          0          0
21              13              53              212.047    0.013      0          0          0          0
;E1_PEAK
22              53              15              78.987     0.013      0          0          0          0
23              15              54              67.515     0.013      0          0          0          0
;E2_PEAK
24              54              17              115.43     0.013      0          0          0          0
25              26              27              458.274    0.013      0          0          0          0
26              39              21              482.961    0.013      0          0          0          0
27              27              48              289.263    0.013      0          0          0          0
;D1_PEAK
28              48              29              179.257    0.013      0          0          0          0
29              30              31              89.546     0.013      0          0          0          0
3               3               20              432.496    0.013      0          0          0          0
30              31              32              191.886    0.013      0          0          0          0
31              32              50              225.886    0.013      0          0          0          0
;D4_PEAK
32              50              34              141.055    0.013      0          0          0          0
33              34              35              72.595     0.013      0          0          0          0
34              35              36              438.635    0.013      0          0          0          0
35              36              13              141.013    0.013      0          0          0          0
;D3_PEAK
37              49              39              149.853    0.013      0          0          0          0
38              29              21              402.301    0.013      0          0          0          0
;A2_PEAK
4               20              5               122.283    0.013      0          0          0          0
;D2_PEAK
40              21              30              133.451    0.013      0          0          0          0
41              17              56              1006.975   0.013      0          0          0          0
;B2_PEAK
42              42              22              155.737    0.013      0          0          0          0
43              4               37              223.1      0.013      325        324.1      0          0
;A4_PEAK
47              7               11              399.547    0.013      0          0          0          0
5               5               6               219.322    0.013      0          0          0          0
6               6               28              710.032    0.013      0          0          0          0
;A3_PEAK
7               28              8               697.823    0.013      0          0          0          0
70              56              HanlonCreek     345.809    0.013      301.1      301        0          0
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8                 8                 9                 403.532    0.013      0          0          0          0
;C1_PEAK
9                 40                7                 339.22     0.013      0          0          0          0
;NA
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;NA
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;NA
PWOPRSES0001510   PWOPRMHS0001467   PWOPRMHS0001404   64         0.013      320.92     320.58     0          0
;NA
PWOPRSES0001511   PWOPRMHS0001423   PWOPRMHS0001422   25.1       0.013      320.43     320.3      0          0
;NA
PWOPRSES0001512   PWOPRMHS0001430   PWOPRMHS0001423   31.8       0.013      321.23     320.64     0          0
;NA
PWOPRSES0001515   PWOPRMHS0001428   PWOPRMHS0001429   57.9       0.013      323.21     321.45     0          0
;NA
PWOPRSES0001516   PWOPRMHS0001429   PWOPRMHS0001421   22.8       0.013      321.35     321.02     0          0
;NA
PWOPRSES0001518   PWOPRMHS0001431   PWOPRMHS0001372   63.5       0.013      323.01     320.26     0          0
;NA
PWOPRSES0001519   PWOPRMHS0001393   PWOPRMHS0001415   139.1      0.013      320.19     319.77     0          0
;NA
PWOPRSES0001520   PWOPRMHS0001394   PWOPRMHS0001402   74.3       0.013      316.86     316.6      0          0
;NA
PWOPRSES0001521   PWOPRMHS0001391   PWOPRMHS0001394   83.9       0.013      317.27     316.96     0          0
;NA
PWOPRSES0001522   PWOPRMHS0001390   PWOPRMHS0001391   38.1       0.013      317.49     317.41     0          0
;NA
PWOPRSES0001524   PWOPRMHS0001392   PWOPRMHS0001391   54.7       0.013      318.18     317.41     0          0
;NA
PWOPRSES0001525   PWOPRMHS0001422   PWOPRMHS0001373   64.5       0.013      320.28     320.06     0          0
;NA
PWOPRSES0001530   PWOPRMHS0001404   PWOPRMHS0001393   106.8      0.013      320.54     320.21     0          0
;NA
PWOPRSES0001534   PWOPRMHS0001388   PWOPRMHS0001387   54.9       0.013      318.93     318.79     0          0
;NA
PWOPRSES0001535   PWOPRMHS0001389   PWOPRMHS0001388   54.9       0.013      319.13     318.93     0          0
;NA
PWOPRSES0001536   PWOPRMHS0001369   PWOPRMHS0001389   63.9       0.013      319.39     319.19     0          0
;NA
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;NA
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;NA
PWOPRSES0001542  PWOPRMHS0001400  PWOPRMHS0001401  58.2       0.013      316.99     316.69     0          0
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PWOPRSES0001544  PWOPRMHS0001402  36               219.005    0.013      316.5      315.5      0          0
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PWOPRSES0001545  PWOPRMHS0001395  PWOPRMHS0001402  49         0.013      316.79     316.62     0          0
;NA
PWOPRSES0001546  PWOPRMHS0001916  PWOPRMHS0001855  20.24      0.013      327.59     326.87     0          0
;NA
PWOPRSES0001547  PWOPRMHS0001856  PWOPRMHS0001916  16.46      0.013      327.73     327.6      0          0
;NA
PWOPRSES0001548  PWOPRMHS0001804  PWOPRMHS0001855  104.4      0.013      331.98     326.78     0          0
;NA
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;NA
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;NA
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;NA
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;NA
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;NA
PWOPRSES0001559  PWOPRMHS0001403  MHSWM4           83.375     0.01       321.7      319.25     0          0
;NA
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;NA
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;NA
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;NA
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;NA
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;NA
PWOPRSES0001576  MHEasement2      PWOPRMHS0001386  27.2       0.013      318.7      318.61     0          0
;NA
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;NA
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;NA
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;NA
PWOPRSES0001582  PWOPRMHS0001374  PWOPRMHS0001375  13.6       0.013      319.69     319.61     0          0
;NA
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;NA
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;NA
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;NA
PWOPRSES0001587  PWOPRMHS0001370  MHEasement1      21.3       0.013      319.27     319.07     0          0
;NA
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;NA
PWOPRSES0001634  PWOPRMHS0001622  PWOPRMHS0001412  75.13      0.013      332.73     331.96     0          0
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PWOPRSES0001654  PWOPRMHS0001634  PWOPRMHS0001791  141.73     0.013      326.21     325.67     0          0
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PWOPRSES0001656  PWOPRMHS0001836  PWOPRMHS0001788  152.1      0.013      324.56     323.43     0          0
;NA
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;NA
PWOPRSES0001660  PWOPRMHS0001791  PWOPRMHS0001792  72.09      0.013      325.59     325.38     0          0
;NA
PWOPRSES0001662  PWOPRMHS0001798  PWOPRMHS0001792  15.39      0.013      326.06     325.85     0          0
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;NA
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;NA
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;NA
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;NA
PWOPRSES0001681  PWOPRMHS0001412  PWOPRMHS0001411  74.68      0.013      331.69     327.81     0          0
;NA
PWOPRSES0001682  PWOPRMHS0001767  PWOPRMHS0001410  89.46      0.013      327.25     326.84     0          0
;NA
PWOPRSES0001684  PWOPRMHS0001768  PWOPRMHS0001767  42.22      0.013      327.85     327.53     0          0
;NA
PWOPRSES0001687  PWOPRMHS0001655  PWOPRMHS0001649  18         0.013      330        329.33     0          0
;NA
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PWOPRSES0001712  PWOPRMHS0001678  PWOPRMHS0001677  8.3        0.013      327.01     326.78     0          0
PWOPRSES0001713  PWOPRMHS0001677  PWOPRMHS0001676  42.6       0.013      326.59     326.4      0          0
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PWOPRSES0001721  PWOPRMHS0001697  PWOPRMHS0001736  96.7       0.013      323.91     323.52     0          0
PWOPRSES0001724  PWOPRMHS0001689  PWOPRMHS0001687  74.5       0.013      326.61     326.4      0          0
PWOPRSES0001725  PWOPRMHS0001687  PWOPRMHS0001688  41         0.013      326.4      326.2      0          0
PWOPRSES0001728  PWOPRMHS0001688  PWOPRMHS0001674  17.1       0.013      326.1      326.01     0          0
PWOPRSES0001730  PWOPRMHS0001674  PWOPRMHS0001713  86.1       0.013      325.88     325.51     0          0
PWOPRSES0001732  PWOPRMHS0001705  PWOPRMHS0001688  74         0.013      328.53     327.53     0          0
PWOPRSES0001733  PWOPRMHS0001676  PWOPRMHS0001674  15.4       0.013      326.33     326.32     0          0
PWOPRSES0001744  PWOPRMHS0001746  PWOPRMHS0001744  32.5       0.013      327.93     327.78     0          0
PWOPRSES0001745  PWOPRMHS0001686  PWOPRMHS0001682  11.1       0.013      328.55     328.21     0          0
PWOPRSES0001747  PWOPRMHS0002046  PWOPRMHS0001682  55.95      0.013      330.72     328.73     0          0
PWOPRSES0001748  PWOPRMHS0001682  PWOPRMHS0001689  94         0.013      328.1      326.73     0          0
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PWOPRSES0001750  PWOPRMHS0001690  PWOPRMHS0001689  16.1       0.013      326.74     326.63     0          0
PWOPRSES0001753  PWOPRMHS0001691  PWOPRMHS0001690  42.5       0.01       326.982    326.74     0          0
PWOPRSES0001754  PWOPRMHS0001741  PWOPRMHS0002051  84.5       0.013      329.48     328.91     0          0
PWOPRSES0001755  PWOPRMHS0001745  PWOPRMHS0001746  32.1       0.013      328.06     327.95     0          0
PWOPRSES0001756  PWOPRMHS0001744  PWOPRMHS0001692  13.5       0.013      327.73     327.68     0          0
PWOPRSES0001757  PWOPRMHS0002051  PWOPRMHS0001745  32.8       0.013      328.27     328.14     0          0
PWOPRSES0001758  PWOPRMHS0001874  PWOPRMHS0001732  85.2       0.013      329.87     329.28     0          0
PWOPRSES0001759  PWOPRMHS0001692  PWOPRMHS0001743  70.9       0.01       327.57     327.315    0          0
PWOPRSES0001760  PWOPRMHS0001743  PWOPRMHS0001691  18.8       0.013      327.29     327.19     0          0
PWOPRSES0001761  PWOPRMHS0001919  PWOPRMHS0001691  18.5       0.013      327.8      327.71     0          0
PWOPRSES0001765A PWOPRMHS0001740  MHSchool         46.6       0.013      328.72     328.55     0          0
PWOPRSES0001765B MHSchool         PWOPRMHS0002051  24.3       0.013      328.55     328.46     0          0
PWOPRSES0001766  PWOPRMHS0002041  MHSchool         16.96      0.013      329.07     328.87     0          0
PWOPRSES0001768  PWOPRMHS0002050  PWOPRMHS0002051  17.64      0.013      328.97     328.76     0          0
PWOPRSES0001770  PWOPRMHS0001679  PWOPRMHS0001680  13.11      0.013      335.89     335.79     0          0
PWOPRSES0001771  PWOPRMHS0002095  PWOPRMHS0001680  13.41      0.013      336.04     335.26     0          0
;NA
PWOPRSES0001774  PWOPRMHS0001614  PWOPRMHS0001611  44         0.013      322.91     322.87     0          0
;NA
PWOPRSES0001775  PWOPRMHS0001611  18               28.03      0.01       322.87     322.5      0          0
;NA
PWOPRSES0001776  PWOPRMHS0001604  PWOPRMHS0001606  95.25      0.013      323.95     323.59     0          0
;NA
PWOPRSES0001777  PWOPRMHS0001602  PWOPRMHS0001598  89.8       0.013      325.98     325.52     0          0
;NA
PWOPRSES0001778  PWOPRMHS0001603  PWOPRMHS0001604  17.25      0.013      324.23     324.19     0          0
;NA
PWOPRSES0001779  PWOPRMHS0001610  PWOPRMHS0001606  32.8       0.013      325.44     323.59     0          0
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PWOPRSES0001780  PWOPRMHS0001605  PWOPRMHS0001604  18         0.013      324.34     324.24     0          0
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PWOPRSES0001781  PWOPRMHS0001597  PWOPRMHS0001605  61         0.013      324.78     324.38     0          0
;NA
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;NA
PWOPRSES0001783  PWOPRMHS0001601  PWOPRMHS0001602  19.4       0.013      326.15     326.05     0          0
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;NA
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;NA
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PWOPRSES0001786  PWOPRMHS0001598  PWOPRMHS0001610  3.8        0.013      325.49     325.47     0          0
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;NA
PWOPRSES0001797  PWOPRMHS0001667  PWOPRMHS0001670  88.6       0.013      323.15     322.93     0          0
;NA
PWOPRSES0001798  PWOPRMHS0001670  22               88.074     0.01       322.92     322        0          0
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PWOPRSES0001803  PWOPRMHS0001695  SWMPOND          96.049     0.013      322.25     322        0          0
;NA
PWOPRSES0001806  PWOPRMHS0001925  PWOPRMHS0001926  75.13      0.013      323.33     322.72     0          0
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PWOPRSES0001807  PWOPRMHS0001928  SWMPOND          124.699    0.013      322.2      322        0          0
;NA
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PWOPRSES0001812  PWOPRMHS0001926  PWOPRMHS0001928  66.6       0.013      322.69     322.28     0          0
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;NA
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;NA
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;NA
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;NA
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;NA
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;NA
PWOPRSES0001844  PWOPRMHS0001891  PWOPRMHS0001890  14.4       0.013      325.1      324.86     0          0
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;NA
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PWOPRSES0001861  PWOPRMHS0001867  PWOPRMHS0001904  111.4      0.013      331.94     330.81     0          0
;NA
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;NA
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;NA
PWOPRSES0001891  PWOPRMHS0001653  PWOPRMHS0001654  23         0.013      325.24     324.99     0          0
;NA
PWOPRSES0001892  PWOPRMHS0001658  PWOPRMHS0001657  11.7       0.013      324.92     324.88     0          0
;NA
PWOPRSES0001895  PWOPRMHS0001625  PWOPRMHS0001651  17         0.013      330.61     330.34     0          0
;NA
PWOPRSES0001896  PWOPRMHS0001651  PWOPRMHS0001650  39.5       0.013      330.28     329.62     0          0
;NA
PWOPRSES0001897  PWOPRMHS0001650  PWOPRMHS0001649  14.5       0.013      329.57     329.21     0          0
;NA
PWOPRSES0001899  PWOPRMHS0001624  PWOPRMHS0001625  10         0.013      330.92     330.77     0          0
;NA
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PWOPRSES0001900  PWOPRMHS0001626  PWOPRMHS0001624  35         0.01       331.24     330.92     0          0
;NA
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;NA
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;NA
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;NA
PWOPRSES0001968  PWOPRMHS0001939  PWOPRMHS0001927  46.02      0.013      327.51     323.61     0          0
;NA
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;NA
PWOPRSES0001976  PWOPRMHS0001918  PWOPRMHS0001912  149.66     0.013      317.81     317.52     0          0
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;NA
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PWOPRSES0002119  PWOPRMHS0002042  PWOPRMHS0001729  74         0.013      329.56     329.23     0          0
PWOPRSES0002120  PWOPRMHS0001732  PWOPRMHS0001739  9.7        0.013      328.98     328.92     0          0
PWOPRSES0002121  PWOPRMHS0001729  PWOPRMHS0001732  18.6       0.013      329.08     329.04     0          0
PWOPRSES0002122  PWOPRMHS0001739  PWOPRMHS0001740  15.5       0.013      328.89     328.77     0          0
PWOPRSES0003435  PWOPRMHS0003137  PWOPRMHS0003136  23.4       0.013      329.5      328.99     0          0
PWOPRSES0003436  PWOPRMHS0003136  PWOPRMHS0001686  50.2       0.013      328.89     328.62     0          0
PWOPRSES0003439  PWOPRMHS0003140  PWOPRMHS0001678  48.8       0.013      327.35     327.07     0          0
PWOPRSES0003446  PWOPRMHS0003146  PWOPRMHS0003147  50.75      0.013      334.6      334.5      0          0
PWOPRSES0003447  PWOPRMHS0003147  PWOPRMHS0003148  22         0.013      333.79     332.64     0          0
PWOPRSES0003448  PWOPRMHS0003148  PWOPRMHS0003149  9.25       0.013      331.89     331.68     0          0
PWOPRSES0003449  PWOPRMHS0003149  PWOPRMHS0003137  58.3       0.013      330.86     329.6      0          0
PWOPRSES0003457  PWOPRMHS0003153  PWOPRMHS0001679  35.97      0.013      336.16     335.89     0          0
PWOPRSES0003465  PWOPRMHS0003160  PWOPRMHS0003146  19.51      0.013      335.5      335.01     0          0
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;NA
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;NA
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;NA
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;NA
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;NA
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PWOPRSES0005530  PWOPRMHS0004999  PWOPRMHS0005000  20.1       0.013      327.49     327.23     0          0
;NA
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;NA
PWOPRSES0005541  PWOPRMHS0005013  PWOPRMHS0004137  40.4       0.013      334.8      334.38     0          0
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;NA
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;NA
PWOPRSES0005735  PWOPRMHS0005181  PWOPRMHS0005179  96         0.013      326.66     326.24     0          0
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PWOPRSES0005736  PWOPRMHS0005183  PWOPRMHS0005181  91         0.013      327.74     326.79     0          0
;NA
PWOPRSES0005739  PWOPRMHS0005188  PWOPRMHS0005183  99         0.01       329.94     327.74     0          0
;NA
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PWOPRSES0005744  PWOPRMHS0005196  PWOPRMHS0005183  17         0.013      328.21     327.74     0          0
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;NA
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;NA
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;NA
PWOPRSES0006577  PWOPRMHS0005945  PWOPRMHS0005931  82         0.013      318.22     317.74     0          0
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;NA
STMEasement      MHEasement1      MHEasement2      72.3       0.013      319.07     318.7      0          0
SWMPOND_OUT      SWMPOND          24               215.307    0.013      322        320.5      0          0

[XSECTIONS]
;;Link           Shape        Geom1            Geom2      Geom3      Geom4      Barrels
;;-------------- ------------ ---------------- ---------- ---------- ---------- ----------
1                TRAPEZOIDAL  3                2          1          1          1
10               TRAPEZOIDAL  3                2          1          1          1
11               TRAPEZOIDAL  3                2          1          1          1
13               TRAPEZOIDAL  3                2          1          1          1
14               TRAPEZOIDAL  3                2          1          1          1
15               TRAPEZOIDAL  3                2          1          1          1
16               TRAPEZOIDAL  3                2          1          1          1
17               TRAPEZOIDAL  3                2          1          1          1
18               TRAPEZOIDAL  3                2          1          1          1
19               TRAPEZOIDAL  3                2          1          1          1
2                TRAPEZOIDAL  3                2          1          1          1
20               TRAPEZOIDAL  3                2          1          1          1
21               TRAPEZOIDAL  3                3          1          1          1
22               TRAPEZOIDAL  3                2          1          1          1
23               TRAPEZOIDAL  3                2          1          1          1
24               TRAPEZOIDAL  3                2          1          1          1
25               TRAPEZOIDAL  3                2          1          1          1
26               TRAPEZOIDAL  3                2          1          1          1
27               TRAPEZOIDAL  3                2          1          1          1
28               TRAPEZOIDAL  3                2          1          1          1
29               TRAPEZOIDAL  3                2          1          1          1
3                TRAPEZOIDAL  3                2          1          1          1
30               TRAPEZOIDAL  3                2          1          1          1
31               TRAPEZOIDAL  3                2          1          1          1
32               TRAPEZOIDAL  3                2          1          1          1
33               TRAPEZOIDAL  3                2          1          1          1
34               TRAPEZOIDAL  3                2          1          1          1
35               TRAPEZOIDAL  3                2          1          1          1
37               TRAPEZOIDAL  3                2          1          1          1
38               TRAPEZOIDAL  3                2          1          1          1
4                TRAPEZOIDAL  3                2          1          1          1
40               TRAPEZOIDAL  3                2          1          1          1
41               TRAPEZOIDAL  3                2          1          1          1
42               RECT_CLOSED  2                2          0          0          1
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43	TRAPEZOIDAL	3	2	1	1	1
47	TRAPEZOIDAL	3	2	1	1	1
5	TRAPEZOIDAL	3	2	1	1	1
6	TRAPEZOIDAL	3	2	1	1	1
7	TRAPEZOIDAL	3	2	1	1	1
70	TRAPEZOIDAL	3	2	1	1	1
8	TRAPEZOIDAL	4	2	1	1	1
9	TRAPEZOIDAL	3	2	1	1	1
PWOPRSES0001498	CIRCULAR	2	0	0	0	1
PWOPRSES0001507	CIRCULAR	2	0	0	0	1
PWOPRSES0001510	CIRCULAR	2	0	0	0	1
PWOPRSES0001511	CIRCULAR	2	0	0	0	1
PWOPRSES0001512	CIRCULAR	2	0	0	0	1
PWOPRSES0001515	CIRCULAR	2	0	0	0	1
PWOPRSES0001516	CIRCULAR	2	0	0	0	1
PWOPRSES0001518	CIRCULAR	2	0	0	0	1
PWOPRSES0001519	HORIZ_ELLIPSE	2	1.15	0	0	1
PWOPRSES0001520	CIRCULAR	2	0	0	0	1
PWOPRSES0001521	CIRCULAR	2	0	0	0	1
PWOPRSES0001522	CIRCULAR	2	0	0	0	1
PWOPRSES0001524	CIRCULAR	2	0	0	0	1
PWOPRSES0001525	CIRCULAR	2	0	0	0	1
PWOPRSES0001530	HORIZ_ELLIPSE	2	1.15	0	0	1
PWOPRSES0001534	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001535	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001536	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001537	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001538	CIRCULAR	2	0	0	0	1
PWOPRSES0001541	CIRCULAR	2	0	0	0	1
PWOPRSES0001542	CIRCULAR	2	0	0	0	1
PWOPRSES0001543	CIRCULAR	3	0	0	0	1
PWOPRSES0001544	CIRCULAR	3	0	0	0	1
PWOPRSES0001545	CIRCULAR	2	0	0	0	1
PWOPRSES0001546	CIRCULAR	2	0	0	0	1
PWOPRSES0001547	CIRCULAR	2	0	0	0	1
PWOPRSES0001548	CIRCULAR	2	0	0	0	1
PWOPRSES0001551	CIRCULAR	2	0	0	0	1
PWOPRSES0001555	CIRCULAR	2	0	0	0	1
PWOPRSES0001556	CIRCULAR	2	0	0	0	1
PWOPRSES0001557	CIRCULAR	2.5	0	0	0	1
PWOPRSES0001558	CIRCULAR	2.5	0	0	0	1

PWOPRSES0001559	CIRCULAR	2	0	0	0	1
PWOPRSES0001564	CIRCULAR	2	0	0	0	1
PWOPRSES0001565	CIRCULAR	2.5	0	0	0	1
PWOPRSES0001566	CIRCULAR	2.5	0	0	0	1
PWOPRSES0001567	CIRCULAR	2.5	0	0	0	1
PWOPRSES0001571	CIRCULAR	2	0	0	0	1
PWOPRSES0001572	CIRCULAR	2	0	0	0	1
PWOPRSES0001575	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001576	CIRCULAR	2	0	0	0	1
PWOPRSES0001577	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001579	CIRCULAR	2	0	0	0	1
PWOPRSES0001580	CIRCULAR	2	0	0	0	1
PWOPRSES0001581	CIRCULAR	2	0	0	0	1
PWOPRSES0001582	CIRCULAR	2	0	0	0	1
PWOPRSES0001583	CIRCULAR	2	0	0	0	1
PWOPRSES0001584	CIRCULAR	2	0	0	0	1
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PWOPRSES0001633	CIRCULAR	2	0	0	0	1
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PWOPRSES0001698	CIRCULAR	2	0	0	0	1
PWOPRSES0001699	CIRCULAR	2	0	0	0	1
PWOPRSES0001711	CIRCULAR	2	0	0	0	1
PWOPRSES0001712	CIRCULAR	2	0	0	0	1
PWOPRSES0001713	CIRCULAR	2	0	0	0	1

PWOPRSES0001718	CIRCULAR	2	0	0	0	1
PWOPRSES0001720	CIRCULAR	2	0	0	0	1
PWOPRSES0001721	CIRCULAR	2	0	0	0	1
PWOPRSES0001724	HORIZ_ELLIPSE	2	1.73	0	0	1
PWOPRSES0001725	HORIZ_ELLIPSE	2	1.73	0	0	1
PWOPRSES0001728	HORIZ_ELLIPSE	2	1.73	0	0	1
PWOPRSES0001730	HORIZ_ELLIPSE	2	1.92	0	0	1
PWOPRSES0001732	CIRCULAR	2	0	0	0	1
PWOPRSES0001733	CIRCULAR	2	0	0	0	1
PWOPRSES0001744	CIRCULAR	2	0	0	0	1
PWOPRSES0001745	CIRCULAR	2	0	0	0	1
PWOPRSES0001747	CIRCULAR	2	0	0	0	1
PWOPRSES0001748	CIRCULAR	2	0	0	0	1
PWOPRSES0001750	CIRCULAR	2	0	0	0	1
PWOPRSES0001753	CIRCULAR	2	0	0	0	1
PWOPRSES0001754	CIRCULAR	2	0	0	0	1
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PWOPRSES0001758	CIRCULAR	2	0	0	0	1
PWOPRSES0001759	CIRCULAR	2	0	0	0	1
PWOPRSES0001760	CIRCULAR	2	0	0	0	1
PWOPRSES0001761	CIRCULAR	2	0	0	0	1
PWOPRSES0001765A	CIRCULAR	2	0	0	0	1
PWOPRSES0001765B	CIRCULAR	2	0	0	0	1
PWOPRSES0001766	CIRCULAR	2	0	0	0	1
PWOPRSES0001768	CIRCULAR	2	0	0	0	1
PWOPRSES0001770	CIRCULAR	2	0	0	0	1
PWOPRSES0001771	CIRCULAR	2	0	0	0	1
PWOPRSES0001774	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001775	HORIZ_ELLIPSE	3	1.345	0	0	1
PWOPRSES0001776	CIRCULAR	2	0	0	0	1
PWOPRSES0001777	CIRCULAR	2	0	0	0	1
PWOPRSES0001778	CIRCULAR	2	0	0	0	1
PWOPRSES0001779	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001780	CIRCULAR	2	0	0	0	1
PWOPRSES0001781	CIRCULAR	2	0	0	0	1
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PWOPRSES0001783	CIRCULAR	2	0	0	0	1
PWOPRSES0001784	CIRCULAR	2	0	0	0	1
PWOPRSES0001785	CIRCULAR	2	0	0	0	1

PWOPRSES0001786	CIRCULAR	2	0	0	0	1
PWOPRSES0001790	CIRCULAR	2	0	0	0	1
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PWOPRSES0001797	CIRCULAR	2	0	0	0	1
PWOPRSES0001798	CIRCULAR	3	0	0	0	1
PWOPRSES0001803	CIRCULAR	2	0	0	0	1
PWOPRSES0001806	CIRCULAR	2	0	0	0	1
PWOPRSES0001807	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001808	CIRCULAR	2	0	0	0	1
PWOPRSES0001809	CIRCULAR	2	0	0	0	1
PWOPRSES0001810	CIRCULAR	2	0	0	0	1
PWOPRSES0001812	CIRCULAR	2	0	0	0	1
PWOPRSES0001819	CIRCULAR	2	0	0	0	1
PWOPRSES0001821	CIRCULAR	2	0	0	0	1
PWOPRSES0001822	CIRCULAR	2	0	0	0	1
PWOPRSES0001823	CIRCULAR	2	0	0	0	1
PWOPRSES0001824	CIRCULAR	2	0	0	0	1
PWOPRSES0001825	CIRCULAR	2	0	0	0	1
PWOPRSES0001826	CIRCULAR	2	0	0	0	1
PWOPRSES0001827	CIRCULAR	2	0	0	0	1
PWOPRSES0001828	CIRCULAR	2	0	0	0	1
PWOPRSES0001829	HORIZ_ELLIPSE	3	1.52	0	0	1
PWOPRSES0001840	CIRCULAR	2	0	0	0	1
PWOPRSES0001841	CIRCULAR	2	0	0	0	1
PWOPRSES0001842	CIRCULAR	2	0	0	0	1
PWOPRSES0001844	CIRCULAR	2	0	0	0	1
PWOPRSES0001845	CIRCULAR	2	0	0	0	1
PWOPRSES0001855	CIRCULAR	2	0	0	0	1
PWOPRSES0001856	CIRCULAR	2	0	0	0	1
PWOPRSES0001861	CIRCULAR	2	0	0	0	1
PWOPRSES0001862	CIRCULAR	2	0	0	0	1
PWOPRSES0001865	CIRCULAR	2	0	0	0	1
PWOPRSES0001866	CIRCULAR	2	0	0	0	1
PWOPRSES0001868	CIRCULAR	2	0	0	0	1
PWOPRSES0001890	CIRCULAR	2	0	0	0	1
PWOPRSES0001891	CIRCULAR	2	0	0	0	1
PWOPRSES0001892	CIRCULAR	2	0	0	0	1
PWOPRSES0001895	CIRCULAR	2	0	0	0	1
PWOPRSES0001896	CIRCULAR	2	0	0	0	1
PWOPRSES0001897	CIRCULAR	2	0	0	0	1
PWOPRSES0001899	CIRCULAR	2	0	0	0	1

PWOPRSES0001900	CIRCULAR	2	0	0	0	1
PWOPRSES0001904	CIRCULAR	2	0	0	0	1
PWOPRSES0001905	CIRCULAR	2	0	0	0	1
PWOPRSES0001906	CIRCULAR	2	0	0	0	1
PWOPRSES0001919	CIRCULAR	2	0	0	0	1
PWOPRSES0001930	CIRCULAR	2	0	0	0	1
PWOPRSES0001931	CIRCULAR	2	0	0	0	1
PWOPRSES0001932	CIRCULAR	2	0	0	0	1
PWOPRSES0001941	CIRCULAR	2	0	0	0	1
PWOPRSES0001942	CIRCULAR	2	0	0	0	1
PWOPRSES0001943	CIRCULAR	2	0	0	0	1
PWOPRSES0001944	CIRCULAR	2	0	0	0	1
PWOPRSES0001951	CIRCULAR	2	0	0	0	1
PWOPRSES0001952	CIRCULAR	2	0	0	0	1
PWOPRSES0001960	CIRCULAR	2	0	0	0	1
PWOPRSES0001961	CIRCULAR	2	0	0	0	1
PWOPRSES0001962	CIRCULAR	2	0	0	0	1
PWOPRSES0001963	CIRCULAR	2	0	0	0	1
PWOPRSES0001968	CIRCULAR	2	0	0	0	1
PWOPRSES0001972	CIRCULAR	2	0	0	0	1
PWOPRSES0001976	CIRCULAR	2.5	0	0	0	1
PWOPRSES0001977	CIRCULAR	2	0	0	0	1
PWOPRSES0001978	CIRCULAR	3	0	0	0	1
PWOPRSES0001979	CIRCULAR	2	0	0	0	1
PWOPRSES0001984	CIRCULAR	2.5	0	0	0	1
PWOPRSES0002119	CIRCULAR	2	0	0	0	1
PWOPRSES0002120	CIRCULAR	2	0	0	0	1
PWOPRSES0002121	CIRCULAR	2	0	0	0	1
PWOPRSES0002122	CIRCULAR	2	0	0	0	1
PWOPRSES0003435	CIRCULAR	2	0	0	0	1
PWOPRSES0003436	CIRCULAR	2	0	0	0	1
PWOPRSES0003439	CIRCULAR	2	0	0	0	1
PWOPRSES0003446	CIRCULAR	2	0	0	0	1
PWOPRSES0003447	CIRCULAR	2	0	0	0	1
PWOPRSES0003448	CIRCULAR	2	0	0	0	1
PWOPRSES0003449	CIRCULAR	2	0	0	0	1
PWOPRSES0003457	CIRCULAR	2	0	0	0	1
PWOPRSES0003465	CIRCULAR	2	0	0	0	1
PWOPRSES0003466	CIRCULAR	2	0	0	0	1
PWOPRSES0004584	CIRCULAR	2	0	0	0	1
PWOPRSES0004585	CIRCULAR	2	0	0	0	1

PWOPRSES0004586	CIRCULAR	2	0	0	0	1
PWOPRSES0004587	CIRCULAR	2	0	0	0	1
PWOPRSES0004588	CIRCULAR	2	0	0	0	1
PWOPRSES0004589	CIRCULAR	2	0	0	0	1
PWOPRSES0004590	CIRCULAR	2	0	0	0	1
PWOPRSES0004591	HORIZ_ELLIPSE	2	1.535	0	0	1
PWOPRSES0004592	HORIZ_ELLIPSE	2	1.535	0	0	1
PWOPRSES0004593	CIRCULAR	2	0	0	0	1
PWOPRSES0004594	HORIZ_ELLIPSE	2	1.535	0	0	1
PWOPRSES0004597	CIRCULAR	2	0	0	0	1
PWOPRSES0004603	CIRCULAR	2	0	0	0	1
PWOPRSES0004637	CIRCULAR	2	0	0	0	1
PWOPRSES0005529	CIRCULAR	2	0	0	0	1
PWOPRSES0005530	CIRCULAR	2	0	0	0	1
PWOPRSES0005531	CIRCULAR	2	0	0	0	1
PWOPRSES0005532	CIRCULAR	2	0	0	0	1
PWOPRSES0005534	CIRCULAR	2	0	0	0	1
PWOPRSES0005535	CIRCULAR	2	0	0	0	1
PWOPRSES0005536	CIRCULAR	2	0	0	0	1
PWOPRSES0005537	CIRCULAR	2	0	0	0	1
PWOPRSES0005539	CIRCULAR	2	0	0	0	1
PWOPRSES0005540	CIRCULAR	2	0	0	0	1
PWOPRSES0005541	CIRCULAR	2	0	0	0	1
PWOPRSES0005710	HORIZ_ELLIPSE	3	1.92	0	0	1
PWOPRSES0005734	CIRCULAR	2	0	0	0	1
PWOPRSES0005735	CIRCULAR	2	0	0	0	1
PWOPRSES0005736	CIRCULAR	2	0	0	0	1
PWOPRSES0005739	CIRCULAR	2	0	0	0	1
PWOPRSES0005744	CIRCULAR	2	0	0	0	1
PWOPRSES0005766	CIRCULAR	2	0	0	0	1
PWOPRSES0005767	CIRCULAR	2	0	0	0	1
PWOPRSES0005768	CIRCULAR	2	0	0	0	1
PWOPRSES0005769	CIRCULAR	3	0	0	0	1
PWOPRSES0005770	CIRCULAR	2	0	0	0	1
PWOPRSES0005771	CIRCULAR	2	0	0	0	1
PWOPRSES0006537	CIRCULAR	2	0	0	0	1
PWOPRSES0006538	CIRCULAR	2	0	0	0	1
PWOPRSES0006542	CIRCULAR	2	0	0	0	1
PWOPRSES0006547	CIRCULAR	2	0	0	0	1
PWOPRSES0006548	CIRCULAR	2	0	0	0	1
PWOPRSES0006549	CIRCULAR	2	0	0	0	1

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PWOPRSES0006550  CIRCULAR     2                0          0          0          1
PWOPRSES0006551  CIRCULAR     2                0          0          0          1
PWOPRSES0006552  CIRCULAR     2                0          0          0          1
PWOPRSES0006553  CIRCULAR     3                0          0          0          1
PWOPRSES0006554  CIRCULAR     2                0          0          0          1
PWOPRSES0006555  CIRCULAR     2                0          0          0          1
PWOPRSES0006576  CIRCULAR     2                0          0          0          1
PWOPRSES0006577  CIRCULAR     2                0          0          0          1
STMEasement      CIRCULAR     2                0          0          0          1
SWMPOND_OUT      CIRCULAR     3                0          0          0          1

[TRANSECTS]
;;Transect Data in HEC-2 format
;
;Full street, width = 8m, curb = 0.15m , cross-slope = 0.02m/m, bank-slope = 0.02m/m, bank-height = 0.3m.
NC 0.03     0.03     0.013
X1 2LaneRd           7        7.5      15.5     0.0      0.0      0.0      0.0      0.0
GR 0.3      0        0.15     7.5      0        7.5      0.08     11.5     0        15.5
GR 0.15     15.5     0.3      23
;
;Full street, width = 16m, curb = 0.15m , cross-slope = 0.02m/m, bank-slope = 0.02m/m, bank-height = 0.30m.
NC 0.03     0.03     0.013
X1 4LaneRd           7        7.5      23.5     0.0      0.0      0.0      0.0      0.0
GR 0.3      0        0.15     7.5      0        7.5      0.16     15.5     0        23.5
GR 0.15     23.5     0.3      31

[LOSSES]
;;Link           Inlet      Outlet     Average    Flap Gate  SeepageRate
;;-------------- ---------- ---------- ---------- ---------- ----------
PWOPRSES0001498  0          0.15       0          NO         0
PWOPRSES0001507  0          0.15       0          NO         0
PWOPRSES0001510  0          1          0          NO         0
PWOPRSES0001511  0          0.15       0          NO         0
PWOPRSES0001512  0          0.15       0          NO         0
PWOPRSES0001515  0          0.15       0          NO         0
PWOPRSES0001516  0          0.15       0          NO         0
PWOPRSES0001518  0          0.15       0          NO         0
PWOPRSES0001519  0          0.15       0          NO         0
PWOPRSES0001520  0          1          0          NO         0
PWOPRSES0001521  0          0.15       0          NO         0
PWOPRSES0001522  0          0.15       0          NO         0
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PWOPRSES0001524	0	1	0	NO	0
PWOPRSES0001525	0	0.15	0	NO	0
PWOPRSES0001530	0	0.15	0	NO	0
PWOPRSES0001534	0	0.15	0	NO	0
PWOPRSES0001535	0	0.15	0	NO	0
PWOPRSES0001536	0	0.15	0	NO	0
PWOPRSES0001537	0	0.15	0	NO	0
PWOPRSES0001538	0	1	0	NO	0
PWOPRSES0001541	0	0.15	0	NO	0
PWOPRSES0001542	0	1	0	NO	0
PWOPRSES0001543	0	0.15	0	NO	0
PWOPRSES0001544	0	0.15	0	NO	0
PWOPRSES0001545	0	0.15	0	NO	0
PWOPRSES0001546	0	0.75	0	NO	0
PWOPRSES0001547	0	0.75	0	NO	0
PWOPRSES0001548	0	0.15	0	NO	0
PWOPRSES0001551	0	0.75	0	NO	0
PWOPRSES0001555	0	0.15	0	NO	0
PWOPRSES0001556	0	0.75	0	NO	0
PWOPRSES0001557	0	1	0	NO	0
PWOPRSES0001558	0	0.75	0	NO	0
PWOPRSES0001559	0	0.15	0	NO	0
PWOPRSES0001564	0	1	0	NO	0
PWOPRSES0001565	0	0.75	0	NO	0
PWOPRSES0001566	0	0.75	0	NO	0
PWOPRSES0001572	0	0.75	0	NO	0
PWOPRSES0001575	0	0.15	0	NO	0
PWOPRSES0001576	0	0.15	0	NO	0
PWOPRSES0001577	0	1	0	NO	0
PWOPRSES0001579	0	0.15	0	NO	0
PWOPRSES0001580	0	0.15	0	NO	0
PWOPRSES0001581	0	0.15	0	NO	0
PWOPRSES0001582	0	0.15	0	NO	0
PWOPRSES0001583	0	0.15	0	NO	0
PWOPRSES0001584	0	1	0	NO	0
PWOPRSES0001585	0	1	0	NO	0
PWOPRSES0001586	0	1	0	NO	0
PWOPRSES0001587	0	0.15	0	NO	0
PWOPRSES0001633	0	1	0	NO	0
PWOPRSES0001634	0	1	0	NO	0
PWOPRSES0001654	0	0.75	0	NO	0

PWOPRSES0001655	0	1	0	NO	0
PWOPRSES0001656	0	0.15	0	NO	0
PWOPRSES0001658	0	0.85	0	NO	0
PWOPRSES0001660	0	1	0	NO	0
PWOPRSES0001662	0	0.75	0	NO	0
PWOPRSES0001679	0	1	0	NO	0
PWOPRSES0001680	0	1	0	NO	0
PWOPRSES0001681	0	0.15	0	NO	0
PWOPRSES0001682	0	0.15	0	NO	0
PWOPRSES0001684	0	1	0	NO	0
PWOPRSES0001687	0	0.85	0	NO	0
PWOPRSES0001688	0	0.75	0	NO	0
PWOPRSES0001698	0	0.75	0	NO	0
PWOPRSES0001699	0	0.75	0	NO	0
PWOPRSES0001711	0	0.15	0	NO	0
PWOPRSES0001712	0	0.75	0	NO	0
PWOPRSES0001713	0	0.75	0	NO	0
PWOPRSES0001724	0	0.85	0	NO	0
PWOPRSES0001725	0	0.75	0	NO	0
PWOPRSES0001728	0	0.75	0	NO	0
PWOPRSES0001730	0	0.15	0	NO	0
PWOPRSES0001732	0	0.75	0	NO	0
PWOPRSES0001733	0	0.75	0	NO	0
PWOPRSES0001744	0	0.75	0	NO	0
PWOPRSES0001745	0	0.75	0	NO	0
PWOPRSES0001747	0	0.15	0	NO	0
PWOPRSES0001748	0	0.15	0	NO	0
PWOPRSES0001750	0	0.75	0	NO	0
PWOPRSES0001753	0	0.75	0	NO	0
PWOPRSES0001754	0	1	0	NO	0
PWOPRSES0001755	0	0.45	0	NO	0
PWOPRSES0001756	0	0.75	0	NO	0
PWOPRSES0001757	0	0.45	0	NO	0
PWOPRSES0001758	0	0.15	0	NO	0
PWOPRSES0001759	0	0.75	0	NO	0
PWOPRSES0001760	0	0.75	0	NO	0
PWOPRSES0001761	0	0.75	0	NO	0
PWOPRSES0001765A	0	0.15	0	NO	0
PWOPRSES0001765B	0	0.15	0	NO	0
PWOPRSES0001768	0	0.75	0	NO	0
PWOPRSES0001770	0	0.75	0	NO	0

PWOPRSES0001771	0	0.75	0	NO	0
PWOPRSES0001775	0	0.15	0	NO	0
PWOPRSES0001776	0	0.15	0	NO	0
PWOPRSES0001777	0	0.75	0	NO	0
PWOPRSES0001778	0	0.75	0	NO	0
PWOPRSES0001779	0	0.75	0	NO	0
PWOPRSES0001780	0	0.75	0	NO	0
PWOPRSES0001781	0	0.75	0	NO	0
PWOPRSES0001782	0	0.75	0	NO	0
PWOPRSES0001783	0	0.15	0	NO	0
PWOPRSES0001784	0	0.15	0	NO	0
PWOPRSES0001785	0	1	0	NO	0
PWOPRSES0001786	0	0.15	0	NO	0
PWOPRSES0001797	0	0.75	0	NO	0
PWOPRSES0001798	0	0.15	0	NO	0
PWOPRSES0001803	0	0.15	0	NO	0
PWOPRSES0001806	0	0.15	0	NO	0
PWOPRSES0001807	0	0.15	0	NO	0
PWOPRSES0001808	0	1	0	NO	0
PWOPRSES0001809	0	0.15	0	NO	0
PWOPRSES0001810	0	1	0	NO	0
PWOPRSES0001812	0	1	0	NO	0
PWOPRSES0001819	0	0.15	0	NO	0
PWOPRSES0001821	0	0.15	0	NO	0
PWOPRSES0001822	0	0.85	0	NO	0
PWOPRSES0001823	0	0.75	0	NO	0
PWOPRSES0001824	0	0.75	0	NO	0
PWOPRSES0001825	0	0.15	0	NO	0
PWOPRSES0001826	0	0.75	0	NO	0
PWOPRSES0001827	0	0.15	0	NO	0
PWOPRSES0001828	0	1	0	NO	0
PWOPRSES0001829	0	0.15	0	NO	0
PWOPRSES0001844	0	0.75	0	NO	0
PWOPRSES0001845	0	0.15	0	NO	0
PWOPRSES0001855	0	0.75	0	NO	0
PWOPRSES0001856	0	1	0	NO	0
PWOPRSES0001861	0	0.15	0	NO	0
PWOPRSES0001862	0	0.75	0	NO	0
PWOPRSES0001865	0	0.15	0	NO	0
PWOPRSES0001866	0	1	0	NO	0
PWOPRSES0001868	0	0.75	0	NO	0

PWOPRSES0001890	0	0.15	0	NO	0
PWOPRSES0001891	0	0.75	0	NO	0
PWOPRSES0001892	0	0.75	0	NO	0
PWOPRSES0001895	0	0.75	0	NO	0
PWOPRSES0001896	0	0.15	0	NO	0
PWOPRSES0001897	0	0.85	0	NO	0
PWOPRSES0001899	0	0.75	0	NO	0
PWOPRSES0001900	0	0.15	0	NO	0
PWOPRSES0001904	0	1	0	NO	0
PWOPRSES0001905	0	0.15	0	NO	0
PWOPRSES0001906	0	1	0	NO	0
PWOPRSES0001919	0	0.45	0	NO	0
PWOPRSES0001930	0	1	0	NO	0
PWOPRSES0001931	0	0.15	0	NO	0
PWOPRSES0001932	0	0.15	0	NO	0
PWOPRSES0001941	0	0.15	0	NO	0
PWOPRSES0001942	0	0.15	0	NO	0
PWOPRSES0001943	0	0.15	0	NO	0
PWOPRSES0001944	0	0.15	0	NO	0
PWOPRSES0001951	0	0.15	0	NO	0
PWOPRSES0001952	0	0.15	0	NO	0
PWOPRSES0001960	0	0.15	0	NO	0
PWOPRSES0001961	0	0.15	0	NO	0
PWOPRSES0001962	0	1	0	NO	0
PWOPRSES0001963	0	0.15	0	NO	0
PWOPRSES0001968	0	0.15	0	NO	0
PWOPRSES0001972	0	0.75	0	NO	0
PWOPRSES0001976	0	0.15	0	NO	0
PWOPRSES0001977	0	0.75	0	NO	0
PWOPRSES0001978	0	0.15	0	NO	0
PWOPRSES0001979	0	0.75	0	NO	0
PWOPRSES0001984	0	0.15	0	NO	0
PWOPRSES0002119	0	0.75	0	NO	0
PWOPRSES0002120	0	0.75	0	NO	0
PWOPRSES0002121	0	0.75	0	NO	0
PWOPRSES0002122	0	0.75	0	NO	0
PWOPRSES0003435	0	0.75	0	NO	0
PWOPRSES0003436	0	0.75	0	NO	0
PWOPRSES0003439	0	0.75	0	NO	0
PWOPRSES0003446	0	0.45	0	NO	0
PWOPRSES0003447	0	0.75	0	NO	0

PWOPRSES0003448	0	0.75	0	NO	0
PWOPRSES0003449	0	0.75	0	NO	0
PWOPRSES0003457	0	0.75	0	NO	0
PWOPRSES0003465	0	0.75	0	NO	0
PWOPRSES0003466	0	0.75	0	NO	0
PWOPRSES0004584	0	0.75	0	NO	0
PWOPRSES0004585	0	0.75	0	NO	0
PWOPRSES0004586	0	0.75	0	NO	0
PWOPRSES0004587	0	0.75	0	NO	0
PWOPRSES0004588	0	0.75	0	NO	0
PWOPRSES0004589	0	0.75	0	NO	0
PWOPRSES0004590	0	0.75	0	NO	0
PWOPRSES0004591	0	0.15	0	NO	0
PWOPRSES0004592	0	0.75	0	NO	0
PWOPRSES0004593	0	1	0	NO	0
PWOPRSES0004594	0	0.15	0	NO	0
PWOPRSES0004603	0	0.15	0	NO	0
PWOPRSES0004637	0	0.15	0	NO	0
PWOPRSES0005529	0	1	0	NO	0
PWOPRSES0005530	0	0.85	0	NO	0
PWOPRSES0005531	0	0.45	0	NO	0
PWOPRSES0005532	0	0.15	0	NO	0
PWOPRSES0005534	0	0.75	0	NO	0
PWOPRSES0005535	0	0.75	0	NO	0
PWOPRSES0005536	0	0.45	0	NO	0
PWOPRSES0005537	0	0.15	0	NO	0
PWOPRSES0005539	0	0.85	0	NO	0
PWOPRSES0005540	0	0.75	0	NO	0
PWOPRSES0005541	0	0.45	0	NO	0
PWOPRSES0005710	0	0.15	0	NO	0
PWOPRSES0005734	0	0.75	0	NO	0
PWOPRSES0005735	0	0.85	0	NO	0
PWOPRSES0005736	0	0.45	0	NO	0
PWOPRSES0005739	0	0.15	0	NO	0
PWOPRSES0005744	0	0.75	0	NO	0
PWOPRSES0005766	0	0.45	0	NO	0
PWOPRSES0005767	0	0.15	0	NO	0
PWOPRSES0005768	0	0.15	0	NO	0
PWOPRSES0005769	0	0.15	0	NO	0
PWOPRSES0005770	0	0.15	0	NO	0
PWOPRSES0005771	0	1	0	NO	0

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PWOPRSES0006537  0          1          0          NO         0
PWOPRSES0006538  0          1          0          NO         0
PWOPRSES0006542  0          1          0          NO         0
PWOPRSES0006547  0          0.15       0          NO         0
PWOPRSES0006548  0          1          0          NO         0
PWOPRSES0006549  0          0.15       0          NO         0
PWOPRSES0006550  0          0.15       0          NO         0
PWOPRSES0006551  0          1          0          NO         0
PWOPRSES0006552  0          1          0          NO         0
PWOPRSES0006553  0          0.15       0          NO         0
PWOPRSES0006554  0          1          0          NO         0
PWOPRSES0006555  0          0.15       0          NO         0
PWOPRSES0006576  0          0.15       0          NO         0
PWOPRSES0006577  0          0.15       0          NO         0
STMEasement      0          0.15       0          NO         0

[CURVES]
;;Name           Type       X-Value    Y-Value
;;-------------- ---------- ---------- ----------
10CBs            Rating     0          0
10CBs                       0.02       0.6
10CBs                       0.3        0.6

11CBs            Rating     0          0
11CBs                       0.02       0.66
11CBs                       0.3        0.66

12CBs            Rating     0          0
12CBs                       0.02       0.72
12CBs                       0.3        0.72

13CBs            Rating     0          0
13CBs                       0.02       0.78
13CBs                       0.3        0.78

14CBs            Rating     0          0
14CBs                       0.02       0.84
14CBs                       0.3        0.84

15CBs            Rating     0          0
15CBs                       0.02       0.9
15CBs                       0.3        0.9
```

```
16CBs           Rating     0          0
16CBs                      0.02       0.96
16CBs                      0.3        0.96

17CBs           Rating     0          0
17CBs                      0.02       1.02
17CBs                      0.3        1.02

18CBs           Rating     0          0
18CBs                      0.02       1.08
18CBs                      0.3        1.08

1CBs            Rating     0          0
1CBs                       0.01       0.06
1CBs                       0.3        0.06

21CBs           Rating     0          0
21CBs                      0.02       1.26
21CBs                      0.3        1.26

27CBs           Rating     0          0
27CBs                      0.02       1.62
27CBs                      0.3        1.62

2CBs            Rating     0          0
2CBs                       0.01       0.12
2CBs                       0.3        0.12

3CBs            Rating     0          0
3CBs                       0.01       0.18
3CBs                       0.3        0.18

4CBs            Rating     0          0
4CBs                       0.01       0.24
4CBs                       0.3        0.24

5CBs            Rating     0          0
5CBs                       0.01       0.3
5CBs                       0.3        0.3

6CBs            Rating     0          0
```

```
6CBs                        0.01       0.36
6CBs                        0.3        0.36

7CBs             Rating     0          0
7CBs                        0.01       0.42
7CBs                        0.3        0.42

8CBs             Rating     0          0
8CBs                        0.01       0.48
8CBs                        0.3        0.48

9CBs             Rating     0          0
9CBs                        0.01       0.54
9CBs                        0.3        0.54

SWM28RC          Rating     0          0
SWM28RC                     0.615      0
SWM28RC                     0.8        0
SWM28RC                     0.9        0
SWM28RC                     1          0
SWM28RC                     1.1        0.005
SWM28RC                     1.2        0.061
SWM28RC                     1.3        0.088
SWM28RC                     1.4        0.108
SWM28RC                     1.5        0.778
SWM28RC                     1.6        0.814
SWM28RC                     1.7        0.848
SWM28RC                     1.8        0.881
SWM28RC                     1.9        0.912
SWM28RC                     2          0.943
SWM28RC                     2.1        0.972
SWM28RC                     2.2        1.001
SWM28RC                     2.3        1.029
SWM28RC                     2.4        1.056
SWM28RC                     2.5        1.082
SWM28RC                     2.6        1.108
SWM28RC                     2.7        1.133
SWM28RC                     2.8        1.158

;Represents outflow via CB outlets to sewer.  Assumption CBs are at same level as PP (makes sense) - survey shows
them lower, which in turn doesn't match the photos in inventory.
SWM4RC           Rating     0          0
```

```
SWM4RC                      1.25       0
SWM4RC                      1.27       0.024
SWM4RC                      1.31       0.078
SWM4RC                      1.33       0.12
SWM4RC                      1.38       0.24
SWM4RC                      1.45       0.48
SWM4RC                      1.55       1.02
SWM4RC                      1.59       1.2
SWM4RC                      1.73       2.4
SWM4RC                      1.85       3.6
SWM4RC                      2          4.8

ParkStorage      Storage    0          0
ParkStorage                 0.7        900
ParkStorage                 1          16500
ParkStorage                 1.2        29000

SWM28            Storage    0          3450
SWM28                       0.615      3450
SWM28                       0.8        8500
SWM28                       0.9        8500
SWM28                       1          8500
SWM28                       1.1        8500
SWM28                       1.2        8500
SWM28                       1.3        8500
SWM28                       1.4        8500
SWM28                       1.5        8500
SWM28                       1.6        8500
SWM28                       1.7        8500
SWM28                       1.8        8500
SWM28                       1.9        8500
SWM28                       2          8500
SWM28                       2.1        8500
SWM28                       2.2        8500
SWM28                       2.3        8500
SWM28                       2.4        8500
SWM28                       2.5        8500
SWM28                       2.6        8500
SWM28                       2.7        8500
SWM28                       2.8        8500
```

```
;Approximated from TSH report base mapping.  Note that pipe inlet is partially submerged according to photos and
survey.  Dead storage has to be incorporated to allow inlet to discharge into pond below surface WL.  Assuming same
surface area between spillway height and very top (the approx 62.0 feet shown on as-built drawing)
SWM4Storage      Storage    0          1900
SWM4Storage                 1.25       1900
SWM4Storage                 1.55       2400
SWM4Storage                 2          2400

;Depth-Area relationship for forebay area of SWM Pond 7
SWM7FB           Storage    0          285
SWM7FB                      1          560

;Stage-Storage relationship for main cell of SWM Pond 7
SWM7MC           Storage    0          4235
SWM7MC                      1          4925

WetlandA1        Storage    0          0
WetlandA1                   0.5        1993
WetlandA1                   1          10128
WetlandA1                   1.5        19123
WetlandA1                   2          72071
WetlandA1                   2.5        81823
WetlandA1                   3          82759

WetlandA2        Storage    0          0
WetlandA2                   0.5        43647
WetlandA2                   1          98288
WetlandA2                   1.5        113931
WetlandA2                   2          114893
WetlandA2                   2.5        114932
WetlandA2                   3          114932

WetlandA3        Storage    0          12203
WetlandA3                   0.5        31285
WetlandA3                   1          84316
WetlandA3                   1.5        119057
WetlandA3                   2          147660
WetlandA3                   2.5        182929
WetlandA3                   3          251326
WetlandA3                   3.5        340723
WetlandA3                   4          451413
WetlandA3                   4.5        540607
```

```
WetlandA3                   5          566035
WetlandA3                   5.5        567097

WetlandA4        Storage    0          22748
WetlandA4                   0.5        37777
WetlandA4                   1          56843
WetlandA4                   1.5        85353
WetlandA4                   2          136310
WetlandA4                   2.5        254969
WetlandA4                   3          366650
WetlandA4                   3.5        464859
WetlandA4                   4          572352
WetlandA4                   4.5        643960
WetlandA4                   5          729815
WetlandA4                   5.5        794027

WetlandB1        Storage    0          748
WetlandB1                   0.5        2179
WetlandB1                   1          4353
WetlandB1                   1.5        18749
WetlandB1                   2          29524
WetlandB1                   2.5        30815
WetlandB1                   3          30837

WetlandB2        Storage    0          0
WetlandB2                   0.5        24588
WetlandB2                   1          28790
WetlandB2                   1.5        29102
WetlandB2                   2          29102
WetlandB2                   2.5        29102
WetlandB2                   3          29102

WetlandC1        Storage    0          0
WetlandC1                   0.5        2567
WetlandC1                   1          10045
WetlandC1                   1.5        21166
WetlandC1                   2          30166
WetlandC1                   2.5        31435
WetlandC1                   3          31518

WetlandD1        Storage    0          0
```

```
WetlandD1                   0.5        13522
WetlandD1                   1          58665
WetlandD1                   1.5        127160
WetlandD1                   2          131458
WetlandD1                   2.5        131580
WetlandD1                   3          131580

WetlandD2        Storage    0          650
WetlandD2                   0.5        7394
WetlandD2                   1          48890
WetlandD2                   1.5        89082
WetlandD2                   2          133528
WetlandD2                   2.5        153565
WetlandD2                   3          162160

WetlandD3        Storage    0          0
WetlandD3                   0.5        1820
WetlandD3                   1          46389
WetlandD3                   1.5        54012
WetlandD3                   2          56062
WetlandD3                   2.5        56124
WetlandD3                   3          56124

WetlandD4        Storage    0          157
WetlandD4                   0.5        10443
WetlandD4                   1          14310
WetlandD4                   1.5        30878
WetlandD4                   2          33670
WetlandD4                   2.5        34949
WetlandD4                   3          35215

WetlandE1        Storage    0          0
WetlandE1                   0.5        7717.148314
WetlandE1                   1          17612.80256
WetlandE1                   1.5        25586.52171
WetlandE1                   2          28587
WetlandE1                   2.5        29290
WetlandE1                   3          29297

WetlandE2        Storage    0          0
WetlandE2                   0.5        6088.864713
```

```
WetlandE2                   1          7509.22668
WetlandE2                   1.5        7840
WetlandE2                   2          7885
WetlandE2                   2.5        7885
WetlandE2                   3          7885

WetlandE3        Storage    0          262.986564
WetlandE3                   1          8013.773861
WetlandE3                   2          17068.55258
WetlandE3                   3          23881.86007
WetlandE3                   4          31930.37758
WetlandE3                   5          45851.68924
WetlandE3                   6          59052.95639
WetlandE3                   7          67360.7874
WetlandE3                   8          77508.42571
WetlandE3                   9          80545.00609
WetlandE3                   10         92149.70895
WetlandE3                   11         108177.4222

[TIMESERIES]
;;Name           Date       Time       Value
;;-------------- ---------- ---------- ----------
;Guelph IDF Curve
AES12hour_100yr             0:15       1.01
AES12hour_100yr             0:30       1.01
AES12hour_100yr             0:45       1.01
AES12hour_100yr             1:00       1.01
AES12hour_100yr             1:15       1.01
AES12hour_100yr             1:30       1.01
AES12hour_100yr             1:45       1.01
AES12hour_100yr             2:00       1.01
AES12hour_100yr             2:15       5.81
AES12hour_100yr             2:30       5.81
AES12hour_100yr             2:45       5.81
AES12hour_100yr             3:00       5.81
AES12hour_100yr             3:15       16.65
AES12hour_100yr             3:30       16.65
AES12hour_100yr             3:45       16.65
AES12hour_100yr             4:00       16.65
AES12hour_100yr             4:15       44.93
AES12hour_100yr             4:30       44.93
```

```
AES12hour_100yr             4:45       44.93
AES12hour_100yr             5:00       44.93
AES12hour_100yr             5:15       12.74
AES12hour_100yr             5:30       12.74
AES12hour_100yr             5:45       12.74
AES12hour_100yr             6:00       12.74
AES12hour_100yr             6:15       6.82
AES12hour_100yr             6:30       6.82
AES12hour_100yr             6:45       6.82
AES12hour_100yr             7:00       6.82
AES12hour_100yr             7:15       3.91
AES12hour_100yr             7:30       3.91
AES12hour_100yr             7:45       3.91
AES12hour_100yr             8:00       3.91
AES12hour_100yr             8:15       1.90
AES12hour_100yr             8:30       1.90
AES12hour_100yr             8:45       1.90
AES12hour_100yr             9:00       1.90
AES12hour_100yr             9:15       1.01
AES12hour_100yr             9:30       1.01
AES12hour_100yr             9:45       1.01
AES12hour_100yr             10:00      1.01
AES12hour_100yr             10:15      1.01
AES12hour_100yr             10:30      1.01
AES12hour_100yr             10:45      1.01
AES12hour_100yr             11:00      1.01
AES12hour_100yr             11:15      1.01
AES12hour_100yr             11:30      1.01
AES12hour_100yr             11:45      1.01
AES12hour_100yr             12:00      1.01

;Guelph IDF Curve
AES6hour_100yr              0:15       1.865082087
AES6hour_100yr              0:30       1.865082087
AES6hour_100yr              0:45       1.865082087
AES6hour_100yr              1:00       1.865082087
AES6hour_100yr              1:15       11.19049252
AES6hour_100yr              1:30       11.19049252
AES6hour_100yr              1:45       31.70639362
AES6hour_100yr              2:00       31.70639362
AES6hour_100yr              2:15       85.79376981
```

```
AES6hour_100yr              2:30       85.79376981
AES6hour_100yr              2:45       24.24606527
AES6hour_100yr              3:00       24.24606527
AES6hour_100yr              3:15       13.05557399
AES6hour_100yr              3:30       13.05557399
AES6hour_100yr              3:45       7.460328346
AES6hour_100yr              4:00       7.460328346
AES6hour_100yr              4:15       3.730164173
AES6hour_100yr              4:30       3.730164173
AES6hour_100yr              4:45       1.865082087
AES6hour_100yr              5:00       1.865082087
AES6hour_100yr              5:15       1.865082087
AES6hour_100yr              5:30       1.865082087
AES6hour_100yr              5:45       1.865082087
AES6hour_100yr              6:00       1.865082087

;2100 IDF Curve Predicition
CC_AES12hour_100yr            0:15       1.78
CC_AES12hour_100yr            0:30       1.78
CC_AES12hour_100yr            0:45       1.78
CC_AES12hour_100yr            1:00       1.78
CC_AES12hour_100yr            1:15       1.78
CC_AES12hour_100yr            1:30       1.78
CC_AES12hour_100yr            1:45       1.78
CC_AES12hour_100yr            2:00       1.78
CC_AES12hour_100yr            2:15       10.26
CC_AES12hour_100yr            2:30       10.26
CC_AES12hour_100yr            2:45       10.26
CC_AES12hour_100yr            3:00       10.26
CC_AES12hour_100yr            3:15       29.40
CC_AES12hour_100yr            3:30       29.40
CC_AES12hour_100yr            3:45       29.40
CC_AES12hour_100yr            4:00       29.40
CC_AES12hour_100yr            4:15       79.33
CC_AES12hour_100yr            4:30       79.33
CC_AES12hour_100yr            4:45       79.33
CC_AES12hour_100yr            5:00       79.33
CC_AES12hour_100yr            5:15       22.50
CC_AES12hour_100yr            5:30       22.50
CC_AES12hour_100yr            5:45       22.50
CC_AES12hour_100yr            6:00       22.50
```

```
CC_AES12hour_100yr            6:15       12.04
CC_AES12hour_100yr            6:30       12.04
CC_AES12hour_100yr            6:45       12.04
CC_AES12hour_100yr            7:00       12.04
CC_AES12hour_100yr            7:15       6.91
CC_AES12hour_100yr            7:30       6.91
CC_AES12hour_100yr            7:45       6.91
CC_AES12hour_100yr            8:00       6.91
CC_AES12hour_100yr            8:15       3.35
CC_AES12hour_100yr            8:30       3.35
CC_AES12hour_100yr            8:45       3.35
CC_AES12hour_100yr            9:00       3.35
CC_AES12hour_100yr            9:15       1.78
CC_AES12hour_100yr            9:30       1.78
CC_AES12hour_100yr            9:45       1.78
CC_AES12hour_100yr            10:00      1.78
CC_AES12hour_100yr            10:15      1.78
CC_AES12hour_100yr            10:30      1.78
CC_AES12hour_100yr            10:45      1.78
CC_AES12hour_100yr            11:00      1.78
CC_AES12hour_100yr            11:15      1.78
CC_AES12hour_100yr            11:30      1.78
CC_AES12hour_100yr            11:45      1.78
CC_AES12hour_100yr            12:00      1.78

Guelph100Y       01/19/2010 0:00       0
Guelph100Y       01/19/2010 0:05       3.05
Guelph100Y       01/19/2010 0:10       3.33
Guelph100Y       01/19/2010 0:15       3.7
Guelph100Y       01/19/2010 0:20       4.14
Guelph100Y       01/19/2010 0:25       4.68
Guelph100Y       01/19/2010 0:30       5.34
Guelph100Y       01/19/2010 0:35       6.18
Guelph100Y       01/19/2010 0:40       7.26
Guelph100Y       01/19/2010 0:45       8.89
Guelph100Y       01/19/2010 0:50       10.63
Guelph100Y       01/19/2010 0:55       13.39
Guelph100Y       01/19/2010 1:00       17.51
Guelph100Y       01/19/2010 1:05       24.1
Guelph100Y       01/19/2010 1:10       35.69
Guelph100Y       01/19/2010 1:15       59.35
```

Guelph100Y	01/19/2010 1:20	121.59
Guelph100Y	01/19/2010 1:25	239.35
Guelph100Y	01/19/2010 1:30	137.52
Guelph100Y	01/19/2010 1:35	80.54
Guelph100Y	01/19/2010 1:40	53.35
Guelph100Y	01/19/2010 1:45	38.19
Guelph100Y	01/19/2010 1:50	28.84
Guelph100Y	01/19/2010 1:55	22.65
Guelph100Y	01/19/2010 2:00	18.33
Guelph100Y	01/19/2010 2:05	15.19
Guelph100Y	01/19/2010 2:10	12.83
Guelph100Y	01/19/2010 2:15	11
Guelph100Y	01/19/2010 2:20	9.56
Guelph100Y	01/19/2010 2:25	8.41
Guelph100Y	01/19/2010 2:30	7.46
Guelph100Y	01/19/2010 2:35	6.68
Guelph100Y	01/19/2010 2:40	6.02
Guelph100Y	01/19/2010 2:45	5.49
Guelph100Y	01/19/2010 2:50	4.99
Guelph100Y	01/19/2010 2:55	4.58
Guelph100Y	01/19/2010 3:00	4.22
Guelph100Y	01/19/2010 3:05	3.91
Guelph100Y	01/19/2010 3:10	3.63
Guelph100Y	01/19/2010 3:15	3.38
Guelph100Y	01/19/2010 3:20	3.17
Guelph100Y	01/19/2010 3:25	3.05
Guelph100Y	01/19/2010 3:30	0
Guelph5Y	01/19/2010 0:00	0
Guelph5Y	01/19/2010 0:05	3.06
Guelph5Y	01/19/2010 0:10	3.35
Guelph5Y	01/19/2010 0:15	3.7
Guelph5Y	01/19/2010 0:20	4.13
Guelph5Y	01/19/2010 0:25	4.68
Guelph5Y	01/19/2010 0:30	5.37
Guelph5Y	01/19/2010 0:35	6.3
Guelph5Y	01/19/2010 0:40	7.59
Guelph5Y	01/19/2010 0:45	9.48
Guelph5Y	01/19/2010 0:50	12.46
Guelph5Y	01/19/2010 0:55	17.72
Guelph5Y	01/19/2010 1:00	28.8

```
Guelph5Y         01/19/2010 1:05       61.69
Guelph5Y         01/19/2010 1:10       139.29
Guelph5Y         01/19/2010 1:15       70.6
Guelph5Y         01/19/2010 1:20       39.22
Guelph5Y         01/19/2010 1:25       25.91
Guelph5Y         01/19/2010 1:30       18.86
Guelph5Y         01/19/2010 1:35       14.61
Guelph5Y         01/19/2010 1:40       11.81
Guelph5Y         01/19/2010 1:45       9.86
Guelph5Y         01/19/2010 1:50       8.42
Guelph5Y         01/19/2010 1:55       7.33
Guelph5Y         01/19/2010 2:00       6.48
Guelph5Y         01/19/2010 2:05       5.8
Guelph5Y         01/19/2010 2:10       5.24
Guelph5Y         01/19/2010 2:15       4.78
Guelph5Y         01/19/2010 2:20       4.39
Guelph5Y         01/19/2010 2:25       4.05
Guelph5Y         01/19/2010 2:30       3.77
Guelph5Y         01/19/2010 2:35       3.52
Guelph5Y         01/19/2010 2:40       3.3
Guelph5Y         01/19/2010 2:45       3.1
Guelph5Y         01/19/2010 2:50       3.05
Guelph5Y         01/19/2010 2:55       0

;Rainfall (mm/hr)
Hurricane_Hazel_(0-25) 01/19/2010 00:00:00   6.33
Hurricane_Hazel_(0-25) 01/19/2010 01:00:00   4.22
Hurricane_Hazel_(0-25) 01/19/2010 02:00:00   6.33
Hurricane_Hazel_(0-25) 01/19/2010 03:00:00   12.66
Hurricane_Hazel_(0-25) 01/19/2010 04:00:00   16.88
Hurricane_Hazel_(0-25) 01/19/2010 05:00:00   12.66
Hurricane_Hazel_(0-25) 01/19/2010 06:00:00   23.21
Hurricane_Hazel_(0-25) 01/19/2010 07:00:00   12.66
Hurricane_Hazel_(0-25) 01/19/2010 08:00:00   12.66
Hurricane_Hazel_(0-25) 01/19/2010 09:00:00   52.75
Hurricane_Hazel_(0-25) 01/19/2010 10:00:00   37.98
Hurricane_Hazel_(0-25) 01/19/2010 11:00:00   12.66

[REPORT]
;;Reporting Options
INPUT      NO
```

```
CONTROLS   NO
SUBCATCHMENTS ALL
NODES ALL
LINKS ALL

[TAGS]
Subcatch   A1               WETLAND
Subcatch   A1.1             SUB
Subcatch   A1.1_FRST        FOREST
Subcatch   A2               WETLAND
Subcatch   A2.1             SUB
Subcatch   A2.1_FRST        FOREST
Subcatch   A2.2             SUB
Subcatch   A2.2_FRST        FOREST
Subcatch   A3               WETLAND
Subcatch   A3.1             SUB
Subcatch   A3.1_FRST        FOREST
Subcatch   A3.2             SUB
Subcatch   A3.2_FRST        FOREST
Subcatch   A3.3             SUB
Subcatch   A3.3_FRST        FOREST
Subcatch   A4               WETLAND
Subcatch   A4.1             SUB
Subcatch   A4.1_FRST        FOREST
Subcatch   A4.2             SUB
Subcatch   A4.2_FRST        FOREST
Subcatch   A4.3             SUB
Subcatch   A4.3_FRST        FOREST
Subcatch   A4.4_FRST        FOREST
Subcatch   A4.5             SUB
Subcatch   A4.5_FRST        FOREST
Subcatch   A4.6             SUB
Subcatch   A4.6_FRST        FOREST
Subcatch   B1               WETLAND
Subcatch   B1.1             SUB
Subcatch   B1.1_FRST        FOREST
Subcatch   B2               WETLAND
Subcatch   B2.1             SUB
Subcatch   B2.1_FRST        FOREST
Subcatch   C1               WETLAND
Subcatch   C1.1             SUB
```

```
Subcatch   C1.1_FRST        FOREST
Subcatch   D1               WETLAND
Subcatch   D1.1             SUB
Subcatch   D1.1_FRST        FOREST
Subcatch   D2               WETLAND
Subcatch   D2.1             SUB
Subcatch   D2.1_FRST        FOREST
Subcatch   D3               WETLAND
Subcatch   D3.1             SUB
Subcatch   D4               WETLAND
Subcatch   D4.1             SUB
Subcatch   D4.1_FRST        FOREST
Subcatch   E1               WETLAND
Subcatch   E1.1             SUB
Subcatch   E1.1_FRST        FOREST
Subcatch   E2               WETLAND
Subcatch   E2.1             SUB
Subcatch   E2.1_FRST        FOREST
Subcatch   E3               WETLAND
Subcatch   E3.1             SUB
Subcatch   E3.1_FRST        FOREST
Node       13               PEAKFLOW
Node       14               OVERFLOW
Node       18               PEAKFLOW
Node       20               OVERFLOW
Node       21               PEAKFLOW
Node       22               PEAKFLOW
Node       28               OVERFLOW
Node       31               PEAKFLOW
Node       37               OVERFLOW
Node       40               OVERFLOW
Node       42               OVERFLOW
Node       48               OVERFLOW
Node       49               OVERFLOW
Node       5                PEAKFLOW
Node       50               OVERFLOW
Node       54               OVERFLOW
Node       56               PEAKFLOW
Node       7                OVERFLOW
Node       9                PEAKFLOW
Link       13               WETLAND
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Link       2                WETLAND
Link       22               WETLAND
Link       24               WETLAND
Link       28               WETLAND
Link       32               WETLAND
Link       37               WETLAND
Link       4                WETLAND
Link       40               WETLAND
Link       42               WETLAND
Link       47               WETLAND
Link       7                WETLAND
Link       9                WETLAND

[MAP]
DIMENSIONS       560038.67765     4813980.0537     566748.46535     4819891.9223
UNITS            Meters

[COORDINATES]
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14               563765.659       4818608.344
15               561698.149       4817099.989
17               561555.781       4817211.295
18               562426.62        4818157.29
19               562538.173       4818252.284
2                563971.394       4816882.676
20               564178.863       4818321.328
21               562545.175       4815756.588
22               562792.469       4817889.143
24               562914.204       4817643.271
25               562839.502       4817808.814
26               563392.315       4814809.546
27               563008.362       4815059.447
28               564101.861       4817495.179
29               562658.413       4815370.702
3                563813.34        4818552.225
30               562518.57        4815887.312
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37	562691.445	4818224.496
39	562260.757	4815366.47
4	562898.769	4818142.309
40	562735.784	4816716.891
42	562653.629	4817959.571
48	562791.226	4815250.407
49	562119.461	4815316.718
5	564285.83	4818262.163
50	562180.148	4816210.903
53	561776.788	4817092.883
54	561654.389	4817151.371
56	560575.172	4817438.611
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7	562660.913	4817047.623
8	563452.191	4817241.134
9	563050.32	4817206.188
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[VERTICES]
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[POLYGONS]
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A3	564852.834	4817151.379
A3	564847.814	4817149
A3	564845.694	4817147.149
A3	564843.844	4817144.769
A3	564842.884	4817142.279
A3	564836.334	4817138.539
A3	564818.334	4817126.539
A3	564806.778	4817117.545
A3	564800.334	4817112.529
A3	564784.334	4817098.529
A3	564772.334	4817086.529
A3	564764.334	4817075.53
A3	564755.325	4817061.507
A3	564750.335	4817050.53
A3	564747.335	4817043.529
A3	564746.712	4817042.906
A3	564742.335	4817038.53
A3	564740.114	4817038.529

A3	564738.075	4817036.83
A3	564724.824	4817025.789
A3	564714.244	4817025.789
A3	564698.364	4817039.019
A3	564682.494	4817052.249
A3	564666.614	4817068.119
A3	564642.804	4817086.639
A3	564623.699	4817101.34
A3	564620.334	4817103.929
A3	564617.334	4817104.529
A3	564601.336	4817107.529
A3	564583.334	4817112.529
A3	564574.639	4817113.109
A3	564569.554	4817116.049
A3	564561.683	4817117.479
A3	564555.244	4817116.759
A3	564544.504	4817115.329
A3	564539.702	4817113.528
A3	564538.784	4817113.179
A3	564532.01	4817111.828
A3	564531.623	4817111.75
A3	564527.324	4817110.319
A3	564519.454	4817106.739
A3	564510.144	4817107.459
A3	564500.844	4817108.889
A3	564490.825	4817110.319
A3	564485.814	4817110.319
A3	564485.646	4817110.383
A3	564482.765	4817111.489
A3	564476.504	4817113.899
A3	564470.064	4817115.329
A3	564460.754	4817118.188
A3	564446.444	4817117.479
A3	564437.854	4817116.049
A3	564429.264	4817115.329
A3	564424.974	4817112.469
A3	564421.394	4817108.169
A3	564415.664	4817103.159
A3	564412.804	4817098.15
A3	564412.084	4817093.139
A3	564412.084	4817085.979

```
A3              564412.804       4817078.109
A3              564412.835       4817077.752
A3              564412.884       4817077.209
A3              564413.514       4817070.239
A3              564415.664       4817061.65
A3              564418.524       4817048.76
A3              564415.664       4817043.039
A3              564407.074       4817035.879
A3              564404.214       4817030.149
A3              564399.204       4817022.999
A3              564396.334       4817015.119
A3              564391.324       4817009.399
A3              564390.354       4817008.279
A3              564389.316       4817007.095
A3              564386.314       4817003.669
A3              564384.162       4817000.224
;Part2: A3
A3              564785.433       4817246.268
A3              564789.865       4817246.547
A3              564792.355       4817246.268
A3              564791.805       4817247.377
A3              564790.422       4817249.038
A3              564787.374       4817251.251
A3              564785.154       4817252.909
A3              564781.555       4817255.129
A3              564781.238       4817255.169
A3              564779.343       4817255.408
A3              564777.682       4817254.851
A3              564774.912       4817252.911
A3              564772.973       4817251.529
A3              564770.482       4817251.251
A3              564768.083       4817251.492
A3              564767.712       4817251.529
A3              564765.773       4817251.251
A3              564762.726       4817249.868
A3              564761.896       4817247.65
A3              564760.513       4817245.16
A3              564759.125       4817243.498
A3              564756.912       4817242.111
A3              564755.804       4817240.177
A3              564755.693       4817239.625
```

A3	564755.244	4817237.41
A3	564754.143	4817234.638
A3	564753.575	4817233.162
A3	564752.755	4817231.037
A3	564753.864	4817229.098
A3	564756.355	4817226.88
A3	564758.294	4817224.666
A3	564759.684	4817220.239
A3	564759.955	4817216.357
A3	564760.234	4817211.097
A3	564761.617	4817206.667
A3	564763.003	4817203.619
A3	564765.495	4817202.511
A3	564770.482	4817201.128
A3	564773.804	4817203.341
A3	564778.234	4817205.28
A3	564781.282	4817208.049
A3	564781.834	4817212.201
A3	564781.834	4817216.632
A3	564781.004	4817221.067
A3	564781.003	4817224.941
A3	564780.174	4817229.098
A3	564780.174	4817232.971
A3	564781.247	4817235.122
A3	564781.555	4817235.741
A3	564781.556	4817239.341
A3	564781.432	4817240.089
A3	564781.282	4817241.008
A3	564781.428	4817242.335
A3	564781.556	4817243.498
A3	564783.773	4817245.437
A3	564785.433	4817246.268
A3.1	563865.573	4817838.43
A3.1	563867.305	4817845.87
A3.1	563877.062	4817855.151
A3.1	563858.384	4817878.243
A3.1	563874.345	4817911.524
A3.1	563935.019	4817975.878
A3.1	564126.048	4818121.548
A3.1	564131.385	4818116.469
A3.1	564138.243	4818109.94

A3.1	564138.581	4818109.618
A3.1	564145.101	4818103.411
A3.1	564151.961	4818096.882
A3.1	564159.324	4818089.872
A3.1	564168.493	4818081.145
A3.1	564172.75	4818077.092
A3.1	564180.766	4818069.461
A3.1	564187.506	4818063.045
A3.1	564191.701	4818053.329
A3.1	564200.387	4818033.205
A3.1	564204.532	4818023.603
A3.1	564199.986	4818006.941
A3.1	564198.012	4817999.707
A3.1	564189.429	4817990.761
A3.1	564177.556	4817978.386
A3.1	564170.265	4817970.788
A3.1	564162.975	4817963.189
A3.1	564155.684	4817955.59
A3.1	564148.394	4817947.992
A3.1	564141.103	4817940.393
A3.1	564133.812	4817932.794
A3.1	564126.522	4817925.196
A3.1	564119.231	4817917.597
A3.1	564111.941	4817909.999
A3.1	564105.345	4817903.124
A3.1	564098.748	4817896.249
A3.1	564092.152	4817889.374
A3.1	564085.556	4817882.499
A3.1	564078.96	4817875.624
A3.1	564072.364	4817868.749
A3.1	564065.767	4817861.874
A3.1	564059.171	4817854.999
A3.1	564052.575	4817848.124
A3.1	564045.978	4817841.25
A3.1	564039.73	4817834.737
A3.1	564033.481	4817828.224
A3.1	564027.232	4817821.711
A3.1	564020.982	4817815.198
A3.1	564014.734	4817808.684
A3.1	564008.485	4817802.171
A3.1	564002.236	4817795.658

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A3.1             563993.209       4817786.251
A3.1             563980.6         4817773.109
A3.1             563965.391       4817757.257
A3.1             563959.735       4817759.832
A3.1             563937.518       4817769.943
A3.1             563921.732       4817784.971
A3.1             563906.67        4817799.309
A3.1             563887.369       4817817.682
A3.1             563879.25        4817825.41
A3.1             563865.573       4817838.43
;Part2: A3.1
A3.1             563808.608       4817593.851
A3.1             563836.711       4817714.511
A3.1             563900.795       4817689.932
A3.1             563833.082       4817619.358
A3.1             563808.608       4817593.851
......
Too many subcatchment entities (247 in total).

[SYMBOLS]
;;Gage           X-Coord          Y-Coord
;;-------------- ---------------- ----------------
```

H.04 Input for PCSWMM for Scenario 4

```
[TITLE]
Replacement of Forests with Stormwater functions

[OPTIONS]
;;Options            Value
;;------------------ ------------
FLOW_UNITS           CMS
INFILTRATION         GREEN_AMPT
FLOW_ROUTING         DYNWAVE
LINK_OFFSETS         ELEVATION
MIN_SLOPE            0
ALLOW_PONDING        NO
SKIP_STEADY_STATE    NO

START_DATE           09/01/2021
START_TIME           00:00:00
REPORT_START_DATE    09/01/2021
REPORT_START_TIME    00:00:00
END_DATE             09/04/2021
END_TIME             00:00:00
SWEEP_START          01/01
SWEEP_END            12/31
DRY_DAYS             0
REPORT_STEP          00:15:00
WET_STEP             00:15:00
DRY_STEP             00:15:00
ROUTING_STEP         5
RULE_STEP            00:00:00

INERTIAL_DAMPING     PARTIAL
NORMAL_FLOW_LIMITED  BOTH
FORCE_MAIN_EQUATION  H-W
VARIABLE_STEP        0.75
LENGTHENING_STEP     1
MIN_SURFAREA         0
MAX_TRIALS           8
HEAD_TOLERANCE       0.0015
SYS_FLOW_TOL         5
LAT_FLOW_TOL         5
MINIMUM_STEP         0.5
THREADS              4
```

```
[EVAPORATION]
;;Type          Parameters
;;------------- ----------
MONTHLY          0.0    0.0    0.0    1.06   2.48   3.6    4.13   3.61   2.43   1.19   0.3    0.0
DRY_ONLY         NO

[RAINGAGES]
;;                     Rain      Time     Snow     Data
;;Name                 Type      Intrvl   Catch    Source
;;-------------------- --------- -------- -------- ----------
AES12hour_100year      INTENSITY 0:15     1.0      TIMESERIES AES12hour_100yr
AES6hour_100year       INTENSITY 0:15     1.0      TIMESERIES AES6hour_100yr
CC_AES12hour_100year   INTENSITY 0:15     1.0      TIMESERIES CC_AES12hour_100yr
DSGauge                INTENSITY 0:05     1.0      TIMESERIES Guelph100Y
Hurricane_Hazel_(0-25) INTENSITY 01:00    1.0      TIMESERIES Hurricane_Hazel_(0-25)

[SUBCATCHMENTS]
;;                                                 Total    Pcnt.             Pcnt.    Curb     Snow
;;Name           Raingage         Outlet           Area     Imperv   Width    Slope    Length   Pack
;;-------------- ---------------- ---------------- -------- -------- -------- -------- -------- --------
A1               AES12hour_100year 14              8.37858  5        577.833  1.159    0
A1.1             AES12hour_100year 1               42.8127  31       4281.27  2.55     0
A1.1_FRST        AES12hour_100year S_A1.1FRST      3.63836  31       382.985  2.55     0
A2               AES12hour_100year 20              11.49151 5        675.971  0.876    0
A2.1             AES12hour_100year 3               12.9012  20       1290.12  4.465    0
;05
A2.1_FRST        AES12hour_100year S_A2.1FRST      3.27903  20       364.337  4.465    0
A2.2             AES12hour_100year 3               8.44264  34       844.264  5.546    0
A2.2_FRST        AES12hour_100year S_A2.2FRST      2.22057  34       296.076  5.546    0
;01
A3               AES12hour_100year 28              56.7748  5        1494.074 0.876    0
A3.1             AES12hour_100year 6               6.44601  22       644.601  4.32     0
A3.1_FRST        AES12hour_100year S_A3.1FRST      13.18801 22       1318.801 4.32     0
A3.2             AES12hour_100year 6               32.32076 36       3232.076 3.055    0
A3.2_FRST        AES12hour_100year S_A3.2FRST      7.39984  36       739.984  3.055    0
A3.3             AES12hour_100year 28              70.21898 23       7021.898 1.831    0
A3.3_FRST        AES12hour_100year S_A3.3FRST      17.13255 23       1713.255 1.831    0
;02
A4               AES12hour_100year 7               100.51695 5       2010.339 1.409    0
A4.1             AES12hour_100year 9               1.02924  20       205.848  12.11    0
```

```
A4.1_FRST        AES12hour_100year S_A4.1FRST      5.52575  20       1105.15  12.11    0
A4.2             AES12hour_100year 8               9.80983  29       980.983  3.264    0
A4.2_FRST        AES12hour_100year S_A4.2FRST      16.15059 29       1615.059 3.264    0
A4.3             AES12hour_100year 8               46.96537 61       4696.537 6.754    0
A4.3_FRST        AES12hour_100year S_A4.3FRST      8.10956  61       810.956  6.754    0
A4.4_FRST        AES12hour_100year S_A4.4FRST      18.6402  27       1864.02  2.341    0
A4.5             AES12hour_100year 2               108.8003 29       10880.03 2.616    0
A4.5_FRST        AES12hour_100year S_A4.5FRST      15.02335 29       1502.335 2.616    0
A4.6             AES12hour_100year 2               148.9709 52       14897.09 3.51     0
A4.6_FRST        AES12hour_100year S_A4.6FRST      60.75746 52       6075.746 3.51     0
B1               AES12hour_100year 37              3.0847   5        342.744  1.624    0
B1.1             AES12hour_100year 4               0.99721  20       199.442  3.723    0
;06
B1.1_FRST        AES12hour_100year S_B1.1FRST      3.70213  20       740.426  3.723    0
;03
B2               AES12hour_100year 42              2.9118   5        342.565  0.832    0
B2.1             AES12hour_100year 18              6.4804   11       648.04   8.395    0
B2.1_FRST        AES12hour_100year S_B2.1FRST      8.06289  11       806.289  8.395    0
C1               AES12hour_100year 40              3.1551   5        350.567  1.284    0
C1.1             AES12hour_100year 40              123.3055 61       12330.55 2.612    0
C1.1_FRST        AES12hour_100year S_C1.1FRST      2.78849  61       328.058  2.612    0
D1               AES12hour_100year 48              13.15501 5        711.082  0.84     0
D1.1             AES12hour_100year 27              119.81733 61      11981.733 2.621   0
;07
D1.1_FRST        AES12hour_100year S_D1.1FRST      30.3332  61       3033.32  2.621    0
D2               AES12hour_100year 21              17.56726 5        836.536  0.804    0
D2.1             AES12hour_100year 21              52.2425  54       5224.25  1.309    0
D2.1_FRST        AES12hour_100year S_D2.1FRST      19.03354 54       1903.354 1.309    0
D3               AES12hour_100year 49              5.6119   5        467.658  0.585    0
D3.1             AES12hour_100year 49              36.10892 60       3610.892 4.474    0
;04
D4               AES12hour_100year 50              3.51993  5        370.519  1.366    0
D4.1             AES12hour_100year 50              23.40875 53       2340.875 1.568    0
D4.1_FRST        AES12hour_100year S_D4.1FRST      13.64864 53       1364.864 1.568    0
E1               AES12hour_100year 53              2.92807  5        344.479  1.111    0
E1.1             AES12hour_100year 53              18.00759 23       1800.759 3.079    0
;08
E1.1_FRST        AES12hour_100year S_E1.1FRST      32.85577 23       3285.577 3.079    0
E2               AES12hour_100year 54              0.78579  5        174.62   2.898    0
E2.1             AES12hour_100year 54              9.27285  19       927.285  4.9      0
E2.1_FRST        AES12hour_100year S_E2.1FRST      0.87158  19       174.316  4.9      0
```

E3	AES12hour_100year	56	14.02097	5	737.946	2.707	0
E3.1	AES12hour_100year	56	22.8162	22	2281.62	12.425	0
E3.1_FRST	AES12hour_100year	56	13.0633	22	1306.33	12.425	0
HC01-01	AES12hour_100year	PWOPRMHS0001937	6.22	28.7	1269.388	3.5	0
HC01-02	AES12hour_100year	PWOPRMHS0001695	2.27	24.8	504.444	4.2	0
HC01-03	AES12hour_100year	PWOPRMHS0001925	1.2	24.8	173.913	7.1	0
HC01-04	AES12hour_100year	SWMPOND	2.49	19.4	415	4.2	0
HC01-05	AES12hour_100year	PWOPRMHS0001939	2.5	24.8	500	6.3	0
HC01-06	AES12hour_100year	PWOPRMHS0001928	1.32	24.8	197.015	6.7	0
HC01-07	AES12hour_100year	PWOPRMHS0001944	0.7	24.8	159.091	0.8	0
HC01-08	AES12hour_100year	PWOPRMHS0001930	0.52	24.8	70.27	10	0
HC01-09	AES12hour_100year	PWOPRMHS0001947	0.66	24.8	160.976	1.3	0
HC01-10	AES12hour_100year	PWOPRMHS0001929	1.14	24.8	156.164	7.8	0
HC01-11	AES12hour_100year	PWOPRMHS0001933	1.39	24.8	217.187	3.3	0
HC01-12	AES12hour_100year	PWOPRMHS0001943	3.1	24.8	720.93	3.9	0
HC02-01	AES12hour_100year	PWOPRMHS0001622	0.37	37.3	115.625	0.9	0
HC02-02	AES12hour_100year	PWOPRMHS0001413	2.17	50.4	678.125	0.4	0
HC02-03	AES12hour_100year	PWOPRMHS0001412	0.19	43.2	59.375	0.8	0
HC02-04	AES12hour_100year	PWOPRMHS0001411	0.41	29.2	128.125	5	0
HC02-05	AES12hour_100year	PWOPRMHS0001764	2.96	14.8	925	2.6	0
HC02-06	AES12hour_100year	PWOPRMHS0001768	1.79	15.2	577.419	1.4	0
HC02-07	AES12hour_100year	PWOPRMHS0001767	0.78	12.8	243.75	0.6	0
HC02-08	AES12hour_100year	PWOPRMHS0001409	1.26	11.6	393.75	1.4	0
HC02-09	AES12hour_100year	PWOPRMHS0001410	0.87	13.6	263.636	0.5	0
HC02-10	AES12hour_100year	PWOPRMHS0001634	0.94	12.4	293.75	0.8	0
HC02-11	AES12hour_100year	PWOPRMHS0001791	1.49	13.6	465.625	1	0
HC02-12	AES12hour_100year	PWOPRMHS0001797	2.15	12.4	651.515	0.3	0
HC02-13	AES12hour_100year	PWOPRMHS0001792	0.84	11.6	262.5	0.6	0
HC02-14	AES12hour_100year	PWOPRMHS0001836	0.92	12	270.588	1.1	0
HC02-15	AES12hour_100year	PWOPRMHS0001788	1.6	13.2	470.588	2.5	0
HC02-16	AES12hour_100year	PWOPRMHS0001403	0.51	14	150	2.5	0
HC02-17	AES12hour_100year	PWOPRMHS0001403	2.36	13.2	715.152	1.1	0
HC02-18	AES12hour_100year	PWOPRMHS0001433	3.83	14	1160.606	3.3	0
HC02-19	AES12hour_100year	PWOPRMHS0001418	1.52	14.4	460.606	0.1	0
HC02-20	AES12hour_100year	PWOPRMHS0001804	0.44	35.2	275	1.3	0
HC02-21	AES12hour_100year	PWOPRMHS0001903	3.51	14.4	1002.857	0.9	0
HC02-22	AES12hour_100year	PWOPRMHS0001914	2.97	14.4	900	0.8	0
HC02-23	AES12hour_100year	PWOPRMHS0001858	0.4	42.8	160	1.1	0
HC02-24	AES12hour_100year	PWOPRMHS0001915	0.07	58.4	58.333	1.8	0
HC02-25	AES12hour_100year	PWOPRMHS0001916	1.13	45.9	513.636	2.9	0
HC02-26	AES12hour_100year	PWOPRMHS0001855	0.34	54.8	170	4.8	0

HC02-27	AES12hour_100year	PWOPRMHS0001857	0.75	18	227.273	5.1	0
HC02-28	AES12hour_100year	PWOPRMHS0001436	0.57	18	172.727	2.8	0
HC02-29	AES12hour_100year	PWOPRMHS0001435	0.53	40	160.606	0.9	0
HC02-30	AES12hour_100year	PWOPRMHS0001918	1.48	1.2	462.5	0.3	0
HC02-31	AES12hour_100year	PWOPRMHS0001908	2.42	15.2	711.765	1.8	0
HC02-32	AES12hour_100year	PWOPRMHS0001917	2.15	14.4	632.353	3.2	0
HC02-33	AES12hour_100year	PWOPRMHS0001917	0.83	15.2	244.118	0.5	0
HC02-34	AES12hour_100year	PWOPRMHS0001906	0.3	26	88.235	4.5	0
HC02-35	AES12hour_100year	PWOPRMHS0001912	1	1.6	333.333	0.8	0
HC02-36	AES12hour_100year	MHSWM4	0.44	5.6	440	2.1	0
HC02-37	AES12hour_100year	PWOPRMHS0001912	1.01	5.2	480.952	2.2	0
HC02-38	AES12hour_100year	PWOPRMHS0001765	3.11	13.6	914.706	0.5	0
HC02-39	AES12hour_100year	PWOPRMHS0001867	0.88	11.6	266.667	0.1	0
HC03-01	AES12hour_100year	PWOPRMHS0001626	2.24	32	1066.667	0.4	0
HC03-02	AES12hour_100year	PWOPRMHS0001625	0.8	15.2	258.065	3.1	0
HC03-03	AES12hour_100year	PWOPRMHS0001651	0.13	18.8	76.471	5.3	0
HC03-04	AES12hour_100year	PWOPRMHS0001655	1.03	18.8	343.333	2	0
HC03-05	AES12hour_100year	PWOPRMHS0001649	0.33	36.8	173.684	2.3	0
HC03-06	AES12hour_100year	PWOPRMHS0001659	5.16	13.8	1563.636	3.3	0
HC03-07	AES12hour_100year	PWOPRMHS0001658	1.81	15.2	583.871	1.5	0
HC03-08	AES12hour_100year	PWOPRMHS0002082	4.36	15.5	1321.212	3.5	0
HC03-09	AES12hour_100year	PWOPRMHS0002085	1.94	23.3	485	1.3	0
HC03-10	AES12hour_100year	PWOPRMHS0002084	1.69	12	512.121	1.9	0
HC03-11	AES12hour_100year	PWOPRMHS0002080	2.51	16.5	627.5	2.8	0
HC03-12	AES12hour_100year	PWOPRMHS0001891	1.18	14	357.576	0.3	0
HC03-13	AES12hour_100year	PWOPRMHS0001889	0.38	18.8	180.952	0.8	0
HC03-14	AES12hour_100year	PWOPRMHS0001890	0.13	58.4	56.522	0.7	0
HC03-15	AES12hour_100year	PWOPRMHS0001894	0.62	13.6	187.879	1.6	0
HC03-16	AES12hour_100year	PWOPRMHS0001660	0.31	21.2	100	1.1	0
HC03-17	AES12hour_100year	PWOPRMHS0001657	0.12	36.8	75	2.2	0
HC03-18	AES12hour_100year	PWOPRMHS0001663	0.1	64	100	0.4	0
HC03-19	AES12hour_100year	PWOPRMHS0001661B	7.88	8.4	3940	3.5	0
HC03-20	AES12hour_100year	PWOPRMHS0001662	1.5	2.4	500	0.6	0
HC04-01	AES12hour_100year	PWOPRMHS0002042	3.59	18	897.5	0.6	0
HC04-02	AES12hour_100year	PWOPRMHS0001874	0.66	13.9	200	1.5	0
HC04-03	AES12hour_100year	PWOPRMHS0001739	1.2	14.9	363.636	1	0
HC04-04	AES12hour_100year	PWOPRMHS0002041	5.28	18	812.308	1.1	0
HC04-05	AES12hour_100year	PWOPRMHS0001741	0.62	17.6	182.353	2.6	0
HC04-06	AES12hour_100year	PWOPRMHS0002051	1.07	17.6	324.242	0.6	0
HC04-07	AES12hour_100year	PWOPRMHS0001745	0.09	38.4	81.818	0.1	0
HC04-08	AES12hour_100year	PWOPRMHS0001746	0.34	15.5	79.07	1.5	0

HC04-09	AES12hour_100year	PWOPRMHS0001692	0.53	17.6	147.222	1	0
HC04-10	AES12hour_100year	PWOPRMHS0001743	0.62	17.6	177.143	0.6	0
HC04-11	AES12hour_100year	PWOPRMHS0001691	0.91	16.7	325	1.6	0
HC04-12	AES12hour_100year	PWOPRMHS0001919	2.2	13.2	687.5	0.7	0
HC04-13	AES12hour_100year	PWOPRMHS0001690	0.3	15.2	115.385	0.6	0
HC04-14	AES12hour_100year	PWOPRMHS0002095	2.79	14	734.211	0.3	0
HC04-15	AES12hour_100year	PWOPRMHS0003153	3.91	14	1221.875	0.8	0
HC04-16	AES12hour_100year	PWOPRMHS0001680	0.46	15.2	153.333	1	0
HC04-17	AES12hour_100year	PWOPRMHS0003160	2.26	17.6	904	0.9	0
HC04-18	AES12hour_100year	PWOPRMHS0003146	0.26	21.1	173.333	0.1	0
HC04-19	AES12hour_100year	PWOPRMHS0003149	1.3	12	361.111	1.5	0
HC04-20	AES12hour_100year	PWOPRMHS0003137	0.56	12	169.697	2.4	0
HC04-21	AES12hour_100year	PWOPRMHS0003136	0.15	17.2	75	1.2	0
HC04-22	AES12hour_100year	PWOPRMHS0001686	0.23	19.2	104.545	0.8	0
HC04-23	AES12hour_100year	PWOPRMHS0002046	0.56	17.6	329.412	2.4	0
HC04-24	AES12hour_100year	PWOPRMHS0001686	0.13	14.4	40.625	5	0
HC04-25	AES12hour_100year	PWOPRMHS0001682	0.78	13.6	236.364	1.5	0
HC04-26	AES12hour_100year	PWOPRMHS0001689	0.74	12.8	194.737	0.1	0
HC04-27	AES12hour_100year	PWOPRMHS0001705	0.36	10.8	109.091	1.4	0
HC04-28	AES12hour_100year	PWOPRMHS0001705	0.73	15.2	192.105	1.4	0
HC04-29	AES12hour_100year	PWOPRMHS0001706	3.62	13.6	1096.97	1.1	0
HC04-30	AES12hour_100year	PWOPRMHS0001678	1.94	14	554.286	1.5	0
HC04-31	AES12hour_100year	PWOPRMHS0001677	0.48	28	200	0.6	0
HC04-32	AES12hour_100year	PWOPRMHS0001676	0.34	15.2	97.143	0.8	0
HC04-33	AES12hour_100year	PWOPRMHS0001713	1.13	13.6	452	0.7	0
HC04-34	AES12hour_100year	37	1.55	5.6	620	0.6	0
HC04-35	AES12hour_100year	PWOPRMHS0001688	0.49	13.6	122.5	1.2	0
HC04-36	AES12hour_100year	PWOPRMHS0002050	2.93	32.5	1085.185	2.4	0
HC05-01	AES12hour_100year	PWOPRMHS0005188	5.99	12	1711.429	3.8	0
HC05-02	AES12hour_100year	PWOPRMHS0005196	3.23	12.4	769.048	3.2	0
HC05-03	AES12hour_100year	PWOPRMHS0005183	0.11	76	110	2.7	0
HC05-04	AES12hour_100year	PWOPRMHS0005181	0.49	11.2	175	1.1	0
HC05-05	AES12hour_100year	PWOPRMHS0005179	0.92	15	224.39	0.5	0
HC05-06	AES12hour_100year	PWOPRMHS0005223	0.42	16.8	140	1.6	0
HC05-07	AES12hour_100year	PWOPRMHS0005226	0.73	13.2	208.571	1.4	0
HC05-08	AES12hour_100year	PWOPRMHS0005231	2.2	13.6	628.571	0.9	0
HC05-09	AES12hour_100year	PWOPRMHS0005229	0.27	13.2	108	0.1	0
HC05-10	AES12hour_100year	PWOPRMHS0005230	0.35	17.6	250	1.4	0
HC05-11	AES12hour_100year	24	3.17	5.2	1509.524	1.5	0
HC06-01	AES12hour_100year	PWOPRMHS0005009	0.32	15.2	160	0.5	0
HC06-02	AES12hour_100year	PWOPRMHS0005008	0.65	14.8	216.667	0.3	0

HC06-03	AES12hour_100year	PWOPRMHS0005012	1.49	0	175.294	0.6	0
HC06-04	AES12hour_100year	PWOPRMHS0005011	1.11	0.4	584.211	0.1	0
HC06-05	AES12hour_100year	PWOPRMHS0004137	0.35	10.8	109.375	1.1	0
HC06-06	AES12hour_100year	PWOPRMHS0004135	1.57	12.8	402.564	2.7	0
HC06-07	AES12hour_100year	PWOPRMHS0004133	0.4	11.2	117.647	5.9	0
HC06-08	AES12hour_100year	PWOPRMHS0004201	4.15	14.4	1383.333	2.9	0
HC06-09	AES12hour_100year	PWOPRMHS0004159	2.61	13	1044	3.2	0
HC06-10	AES12hour_100year	PWOPRMHS0004129	2.4	12.8	705.882	2.9	0
HC06-11	AES12hour_100year	PWOPRMHS0004130	0.22	17.6	157.143	0.6	0
HC06-12	AES12hour_100year	PWOPRMHS0004131	0.2	24.8	133.333	0.7	0
HC06-13	AES12hour_100year	PWOPRMHS0004132	0.28	51.2	93.333	3.7	0
HC06-14	AES12hour_100year	PWOPRMHS0004143	1.81	23	786.957	0.4	0
HC06-15	AES12hour_100year	PWOPRMHS0005178	0.12	80	120	0.3	0
HC06-16	AES12hour_100year	PWOPRMHS0004142	0.28	67	121.739	1.1	0
HC06-17	AES12hour_100year	PWOPRMHS0004142	1.54	22	550	0.4	0
HC06-18	AES12hour_100year	PWOPRMHS0005001	2.66	55.4	1209.091	0.4	0
HC06-19	AES12hour_100year	PWOPRMHS0004999	0.03	80	30	2.5	0
HC06-20	AES12hour_100year	PWOPRMHS0005000	0.21	80	210	0.4	0
HC06-21	AES12hour_100year	PWOPRMHS0001598	1.27	67	317.5	0.1	0
HC06-22	AES12hour_100year	PWOPRMHS0004998	0.06	80	60	1.6	0
HC06-23	AES12hour_100year	PWOPRMHS0001601	1.5	70	357.143	0.4	0
HC06-24	AES12hour_100year	PWOPRMHS0001602	0.12	80	120	0.9	0
HC06-25	AES12hour_100year	PWOPRMHS0001600	3.35	17.6	1046.875	3.8	0
HC06-26	AES12hour_100year	PWOPRMHS0001605	2.64	25.6	880	0.5	0
HC06-27	AES12hour_100year	PWOPRMHS0001603	0.16	76	160	0.6	0
HC06-28	AES12hour_100year	PWOPRMHS0001604	0.2	80	50	0.5	0
HC06-29	AES12hour_100year	PWOPRMHS0001606	1.24	8	364.706	0.6	0
HC06-30	AES12hour_100year	PWOPRMHS0001670	0.33	48	100	1.5	0
HC06-31	AES12hour_100year	42	1.81	1.6	754.167	1.8	0
HC06-32	AES12hour_100year	PWOPRMHS0005003	1.35	5.2	421.875	0.4	0
HC07-01	AES12hour_100year	PWOPRMHS0001697	3.02	17.2	915.152	0.2	0
HC07-02	AES12hour_100year	PWOPRMHS0001733	1.15	18.8	396.552	0.5	0
HC07-03	AES12hour_100year	PWOPRMHS0001736	0.37	15.2	246.667	0.6	0
HC07-04	AES12hour_100year	PWOPRMHS0001878	0.34	11.6	100	0.8	0
HC07-05	AES12hour_100year	PWOPRMHS0001614	0.29	15.2	85.294	0.1	0
HC07-06	AES12hour_100year	PWOPRMHS0001881	2.06	14	515	0.3	0
HC07-07	AES12hour_100year	PWOPRMHS0001643	0.38	14	95	1	0
HC07-08	AES12hour_100year	PWOPRMHS0001642	0.19	57.6	47.5	0.1	0
HC07-09	AES12hour_100year	PWOPRMHS0001611	0.25	17.6	92.593	3.3	0
HC08-01	AES12hour_100year	PWOPRMHS0005908	0.69	17.2	222.581	0.7	0
HC08-02	AES12hour_100year	PWOPRMHS0005909	2.32	18.8	644.444	0.5	0

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HC08-03          AES12hour_100year PWOPRMHS0005924 2        15.2     588.235  0.4      0
HC08-04          AES12hour_100year PWOPRMHS0005926 0.69     11.6     143.75   0.6      0
HC08-05          AES12hour_100year PWOPRMHS0005927 0.65     15.2     191.176  1.1      0
HC08-06          AES12hour_100year PWOPRMHS0005932 1.18     14       310.526  1        0
HC08-07          AES12hour_100year PWOPRMHS0005944 0.55     14       134.146  1.4      0
HC08-08          AES12hour_100year PWOPRMHS0005931 0.41     57.6     215.789  0.4      0
HC08-09          AES12hour_100year PWOPRMHS0005946 1.78     17.6     508.571  0.5      0
HC08-10          AES12hour_100year PWOPRMHS0005930 1.32     1.6      660      1.4      0
HC09-01          AES12hour_100year PWOPRMHS0001390 0.95     20       237.5    0.3      0
HC09-02          AES12hour_100year PWOPRMHS0001392 1.03     14       302.941  1        0
HC09-03          AES12hour_100year PWOPRMHS0001402 0.97     15.2     269.444  0.6      0
HC09-04          AES12hour_100year PWOPRMHS0001395 2.54     11.2     819.355  0.9      0
HC09-05          AES12hour_100year PWOPRMHS0001398 2.6      12.4     702.703  1.3      0
HC09-06          AES12hour_100year PWOPRMHS0001401 1.23     12       476.744  0.7      0
HC09-07          AES12hour_100year 36               0.48     8        266.667  0.3      0
HC10-01          AES12hour_100year PWOPRMHS0001408 4.47     12.3     1064.286 1.7      0
HC10-02          AES12hour_100year PWOPRMHS0001467 2.53     28.3     527.083  1.3      0
HC10-03          AES12hour_100year PWOPRMHS0001393 1.86     26.9     422.727  0.4      0
HC10-04          AES12hour_100year PWOPRMHS0001424 1.84     15.5     418.182  2.8      0
HC10-05          AES12hour_100year PWOPRMHS0001389 2.41     14.2     535.556  0.5      0
HC10-06          AES12hour_100year PWOPRMHS0001388 1.33     12.4     369.444  0.6      0
HC10-07          AES12hour_100year PWOPRMHS0001429 1.71     16.5     488.571  1.2      0
HC10-08          AES12hour_100year PWOPRMHS0001371 1.19     14.9     476      3.7      0
HC10-09          AES12hour_100year MHEasement2     1.39     12.2     315.909  1.1      0
HC10-10          AES12hour_100year PWOPRMHS0001423 0.28     14.9     93.333   1.9      0
HC10-11          AES12hour_100year PWOPRMHS0001422 0.27     19.5     158.824  2.1      0
HC10-12          AES12hour_100year 50               0.9      2.4      428.571  0.7      0
HC10-13          AES12hour_100year MHEasement1     0.59     16       131.111  0.8      0
HC10-14          AES12hour_100year PWOPRMHS0001374 0.46     16.3     115      2.1      0
HC10-15          AES12hour_100year PWOPRMHS0001420 0.4      16.5     160      1.6      0

[SUBAREAS]
;;Subcatchment   N-Imperv   N-Perv     S-Imperv   S-Perv     PctZero    RouteTo    PctRouted
;;-------------- ---------- ---------- ---------- ---------- ---------- ---------- ----------
A1               0.013      0.35       1          7          25         OUTLET
A1.1             0.013      0.2        1          5          25         OUTLET
A1.1_FRST        0.013      0.2        1          5          25         OUTLET
A2               0.013      0.35       1          7          25         OUTLET
A2.1             0.013      0.2        1          5          25         OUTLET
A2.1_FRST        0.013      0.2        1          5          25         OUTLET
A2.2             0.013      0.2        1          5          25         OUTLET
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A2.2_FRST	0.013	0.2	1	5	25	OUTLET
A3	0.013	0.35	1	7	25	OUTLET
A3.1	0.013	0.2	1	5	25	OUTLET
A3.1_FRST	0.013	0.2	1	5	25	OUTLET
A3.2	0.013	0.2	1	5	25	OUTLET
A3.2_FRST	0.013	0.2	1	5	25	OUTLET
A3.3	0.013	0.2	1	5	25	OUTLET
A3.3_FRST	0.013	0.2	1	5	25	OUTLET
A4	0.013	0.35	1	7	25	OUTLET
A4.1	0.013	0.2	1	5	25	OUTLET
A4.1_FRST	0.013	0.2	1	5	25	OUTLET
A4.2	0.013	0.2	1	5	25	OUTLET
A4.2_FRST	0.013	0.2	1	5	25	OUTLET
A4.3	0.013	0.2	1	5	25	OUTLET
A4.3_FRST	0.013	0.2	1	5	25	OUTLET
A4.4_FRST	0.013	0.2	1	5	25	OUTLET
A4.5	0.013	0.2	1	5	25	OUTLET
A4.5_FRST	0.013	0.2	1	5	25	OUTLET
A4.6	0.013	0.2	1	5	25	OUTLET
A4.6_FRST	0.013	0.2	1	5	25	OUTLET
B1	0.013	0.35	1	7	25	OUTLET
B1.1	0.013	0.2	1	5	25	OUTLET
B1.1_FRST	0.013	0.2	1	5	25	OUTLET
B2	0.013	0.35	1	7	25	OUTLET
B2.1	0.013	0.2	1	5	25	OUTLET
B2.1_FRST	0.013	0.2	1	5	25	OUTLET
C1	0.013	0.35	1	7	25	OUTLET
C1.1	0.013	0.2	1	5	25	OUTLET
C1.1_FRST	0.013	0.2	1	5	25	OUTLET
D1	0.013	0.35	1	7	25	OUTLET
D1.1	0.013	0.2	1	5	25	OUTLET
D1.1_FRST	0.013	0.2	1	5	25	OUTLET
D2	0.013	0.35	1	7	25	OUTLET
D2.1	0.013	0.2	1	5	25	OUTLET
D2.1_FRST	0.013	0.2	1	5	25	OUTLET
D3	0.013	0.35	1	7	25	OUTLET
D3.1	0.013	0.2	1	5	25	OUTLET
D4	0.013	0.35	1	7	25	OUTLET
D4.1	0.013	0.2	1	5	25	OUTLET
D4.1_FRST	0.013	0.2	1	5	25	OUTLET
E1	0.013	0.35	1	7	25	OUTLET

E1.1	0.013	0.2	1	5	25	OUTLET
E1.1_FRST	0.013	0.2	1	5	25	OUTLET
E2	0.013	0.35	1	7	25	OUTLET
E2.1	0.013	0.2	1	5	25	OUTLET
E2.1_FRST	0.013	0.2	1	5	25	OUTLET
E3	0.013	0.35	1	7	25	OUTLET
E3.1	0.013	0.2	1	5	25	OUTLET
E3.1_FRST	0.013	0.2	1	5	25	OUTLET
HC01-01	0.013	0.2	1	5	25	OUTLET
HC01-02	0.013	0.2	1	5	25	OUTLET
HC01-03	0.013	0.2	1	5	25	OUTLET
HC01-04	0.013	0.2	1	5	25	OUTLET
HC01-05	0.013	0.2	1	5	25	OUTLET
HC01-06	0.013	0.2	1	5	25	OUTLET
HC01-07	0.013	0.2	1	5	25	OUTLET
HC01-08	0.013	0.2	1	5	25	OUTLET
HC01-09	0.013	0.2	1	5	25	OUTLET
HC01-10	0.013	0.2	1	5	25	OUTLET
HC01-11	0.013	0.2	1	5	25	OUTLET
HC01-12	0.013	0.2	1	5	25	OUTLET
HC02-01	0.013	0.2	1	5	25	OUTLET
HC02-02	0.013	0.2	1	5	25	OUTLET
HC02-03	0.013	0.2	1	5	25	OUTLET
HC02-04	0.013	0.2	1	5	25	OUTLET
HC02-05	0.013	0.2	1	5	25	OUTLET
HC02-06	0.013	0.2	1	5	25	OUTLET
HC02-07	0.013	0.2	1	5	25	OUTLET
HC02-08	0.013	0.2	1	5	25	OUTLET
HC02-09	0.013	0.2	1	5	25	OUTLET
HC02-10	0.013	0.2	1	5	25	OUTLET
HC02-11	0.013	0.2	1	5	25	OUTLET
HC02-12	0.013	0.2	1	5	25	OUTLET
HC02-13	0.013	0.2	1	5	25	OUTLET
HC02-14	0.013	0.2	1	5	25	OUTLET
HC02-15	0.013	0.2	1	5	25	OUTLET
HC02-16	0.013	0.2	1	5	25	OUTLET
HC02-17	0.013	0.2	1	5	25	OUTLET
HC02-18	0.013	0.2	1	5	25	OUTLET
HC02-19	0.013	0.2	1	5	25	OUTLET
HC02-20	0.013	0.2	1	5	25	OUTLET
HC02-21	0.013	0.2	1	5	25	OUTLET

HC02-22	0.013	0.2	1	5	25	OUTLET
HC02-23	0.013	0.2	1	5	25	OUTLET
HC02-24	0.013	0.2	1	5	25	OUTLET
HC02-25	0.013	0.2	1	5	25	OUTLET
HC02-26	0.013	0.2	1	5	25	OUTLET
HC02-27	0.013	0.2	1	5	25	OUTLET
HC02-28	0.013	0.2	1	5	25	OUTLET
HC02-29	0.013	0.2	1	5	25	OUTLET
HC02-30	0.013	0.2	1	5	25	OUTLET
HC02-31	0.013	0.2	1	5	25	OUTLET
HC02-32	0.013	0.2	1	5	25	OUTLET
HC02-33	0.013	0.2	1	5	25	OUTLET
HC02-34	0.013	0.2	1	5	25	OUTLET
HC02-35	0.013	0.2	1	5	25	OUTLET
HC02-36	0.013	0.2	1	5	25	OUTLET
HC02-37	0.013	0.2	1	5	25	OUTLET
HC02-38	0.013	0.2	1	5	25	OUTLET
HC02-39	0.013	0.2	1	5	25	OUTLET
HC03-01	0.013	0.2	1	5	25	OUTLET
HC03-02	0.013	0.2	1	5	25	OUTLET
HC03-03	0.013	0.2	1	5	25	OUTLET
HC03-04	0.013	0.2	1	5	25	OUTLET
HC03-05	0.013	0.2	1	5	25	OUTLET
HC03-06	0.013	0.2	1	5	25	OUTLET
HC03-07	0.013	0.2	1	5	25	OUTLET
HC03-08	0.013	0.2	1	5	25	OUTLET
HC03-09	0.013	0.2	1	5	25	OUTLET
HC03-10	0.013	0.2	1	5	25	OUTLET
HC03-11	0.013	0.2	1	5	25	OUTLET
HC03-12	0.013	0.2	1	5	25	OUTLET
HC03-13	0.013	0.2	1	5	25	OUTLET
HC03-14	0.013	0.2	1	5	25	OUTLET
HC03-15	0.013	0.2	1	5	25	OUTLET
HC03-16	0.013	0.2	1	5	25	OUTLET
HC03-17	0.013	0.2	1	5	25	OUTLET
HC03-18	0.013	0.2	1	5	25	OUTLET
HC03-19	0.013	0.2	1	5	25	OUTLET
HC03-20	0.013	0.2	1	5	25	OUTLET
HC04-01	0.013	0.2	1	5	25	OUTLET
HC04-02	0.013	0.2	1	5	25	OUTLET
HC04-03	0.013	0.2	1	5	25	OUTLET

HC04-04	0.013	0.2	1	5	25	OUTLET
HC04-05	0.013	0.2	1	5	25	OUTLET
HC04-06	0.013	0.2	1	5	25	OUTLET
HC04-07	0.013	0.2	1	5	25	OUTLET
HC04-08	0.013	0.2	1	5	25	OUTLET
HC04-09	0.013	0.2	1	5	25	OUTLET
HC04-10	0.013	0.2	1	5	25	OUTLET
HC04-11	0.013	0.2	1	5	25	OUTLET
HC04-12	0.013	0.2	1	5	25	OUTLET
HC04-13	0.013	0.2	1	5	25	OUTLET
HC04-14	0.013	0.2	1	5	25	OUTLET
HC04-15	0.013	0.2	1	5	25	OUTLET
HC04-16	0.013	0.2	1	5	25	OUTLET
HC04-17	0.013	0.2	1	5	25	OUTLET
HC04-18	0.013	0.2	1	5	25	OUTLET
HC04-19	0.013	0.2	1	5	25	OUTLET
HC04-20	0.013	0.2	1	5	25	OUTLET
HC04-21	0.013	0.2	1	5	25	OUTLET
HC04-22	0.013	0.2	1	5	25	OUTLET
HC04-23	0.013	0.2	1	5	25	OUTLET
HC04-24	0.013	0.2	1	5	25	OUTLET
HC04-25	0.013	0.2	1	5	25	OUTLET
HC04-26	0.013	0.2	1	5	25	OUTLET
HC04-27	0.013	0.2	1	5	25	OUTLET
HC04-28	0.013	0.2	1	5	25	OUTLET
HC04-29	0.013	0.2	1	5	25	OUTLET
HC04-30	0.013	0.2	1	5	25	OUTLET
HC04-31	0.013	0.2	1	5	25	OUTLET
HC04-32	0.013	0.2	1	5	25	OUTLET
HC04-33	0.013	0.2	1	5	25	OUTLET
HC04-34	0.013	0.2	1	5	25	OUTLET
HC04-35	0.013	0.2	1	5	25	OUTLET
HC04-36	0.013	0.2	1	5	25	OUTLET
HC05-01	0.013	0.2	1	5	25	OUTLET
HC05-02	0.013	0.2	1	5	25	OUTLET
HC05-03	0.013	0.2	1	5	25	OUTLET
HC05-04	0.013	0.2	1	5	25	OUTLET
HC05-05	0.013	0.2	1	5	25	OUTLET
HC05-06	0.013	0.2	1	5	25	OUTLET
HC05-07	0.013	0.2	1	5	25	OUTLET
HC05-08	0.013	0.2	1	5	25	OUTLET

HC05-09	0.013	0.2	1	5	25	OUTLET
HC05-10	0.013	0.2	1	5	25	OUTLET
HC05-11	0.013	0.2	1	5	25	OUTLET
HC06-01	0.013	0.2	1	5	25	OUTLET
HC06-02	0.013	0.2	1	5	25	OUTLET
HC06-03	0.013	0.2	1	5	25	OUTLET
HC06-04	0.013	0.2	1	5	25	OUTLET
HC06-05	0.013	0.2	1	5	25	OUTLET
HC06-06	0.013	0.2	1	5	25	OUTLET
HC06-07	0.013	0.2	1	5	25	OUTLET
HC06-08	0.013	0.2	1	5	25	OUTLET
HC06-09	0.013	0.2	1	5	25	OUTLET
HC06-10	0.013	0.2	1	5	25	OUTLET
HC06-11	0.013	0.2	1	5	25	OUTLET
HC06-12	0.013	0.2	1	5	25	OUTLET
HC06-13	0.013	0.2	1	5	25	OUTLET
HC06-14	0.013	0.2	1	5	25	OUTLET
HC06-15	0.013	0.2	1	5	25	OUTLET
HC06-16	0.013	0.2	1	5	25	OUTLET
HC06-17	0.013	0.2	1	5	25	OUTLET
HC06-18	0.013	0.2	1	5	25	OUTLET
HC06-19	0.013	0.2	1	5	25	OUTLET
HC06-20	0.013	0.2	1	5	25	OUTLET
HC06-21	0.013	0.2	1	5	25	OUTLET
HC06-22	0.013	0.2	1	5	25	OUTLET
HC06-23	0.013	0.2	1	5	25	OUTLET
HC06-24	0.013	0.2	1	5	25	OUTLET
HC06-25	0.013	0.2	1	5	25	OUTLET
HC06-26	0.013	0.2	1	5	25	OUTLET
HC06-27	0.013	0.2	1	5	25	OUTLET
HC06-28	0.013	0.2	1	5	25	OUTLET
HC06-29	0.013	0.2	1	5	25	OUTLET
HC06-30	0.013	0.2	1	5	25	OUTLET
HC06-31	0.013	0.2	1	5	25	OUTLET
HC06-32	0.013	0.2	1	5	25	OUTLET
HC07-01	0.013	0.2	1	5	25	OUTLET
HC07-02	0.013	0.2	1	5	25	OUTLET
HC07-03	0.013	0.2	1	5	25	OUTLET
HC07-04	0.013	0.2	1	5	25	OUTLET
HC07-05	0.013	0.2	1	5	25	OUTLET
HC07-06	0.013	0.2	1	5	25	OUTLET

```
HC07-07          0.013      0.2        1          5          25         OUTLET
HC07-08          0.013      0.2        1          5          25         OUTLET
HC07-09          0.013      0.2        1          5          25         OUTLET
HC08-01          0.013      0.2        1          5          25         OUTLET
HC08-02          0.013      0.2        1          5          25         OUTLET
HC08-03          0.013      0.2        1          5          25         OUTLET
HC08-04          0.013      0.2        1          5          25         OUTLET
HC08-05          0.013      0.2        1          5          25         OUTLET
HC08-06          0.013      0.2        1          5          25         OUTLET
HC08-07          0.013      0.2        1          5          25         OUTLET
HC08-08          0.013      0.2        1          5          25         OUTLET
HC08-09          0.013      0.2        1          5          25         OUTLET
HC08-10          0.013      0.2        1          5          25         OUTLET
HC09-01          0.013      0.2        1          5          25         OUTLET
HC09-02          0.013      0.2        1          5          25         OUTLET
HC09-03          0.013      0.2        1          5          25         OUTLET
HC09-04          0.013      0.2        1          5          25         OUTLET
HC09-05          0.013      0.2        1          5          25         OUTLET
HC09-06          0.013      0.2        1          5          25         OUTLET
HC09-07          0.013      0.2        1          5          25         OUTLET
HC10-01          0.013      0.2        1          5          25         OUTLET
HC10-02          0.013      0.2        1          5          25         OUTLET
HC10-03          0.013      0.2        1          5          25         OUTLET
HC10-04          0.013      0.2        1          5          25         OUTLET
HC10-05          0.013      0.2        1          5          25         OUTLET
HC10-06          0.013      0.2        1          5          25         OUTLET
HC10-07          0.013      0.2        1          5          25         OUTLET
HC10-08          0.013      0.2        1          5          25         OUTLET
HC10-09          0.013      0.2        1          5          25         OUTLET
HC10-10          0.013      0.2        1          5          25         OUTLET
HC10-11          0.013      0.2        1          5          25         OUTLET
HC10-12          0.013      0.2        1          5          25         OUTLET
HC10-13          0.013      0.2        1          5          25         OUTLET
HC10-14          0.013      0.2        1          5          25         OUTLET
HC10-15          0.013      0.2        1          5          25         OUTLET

[INFILTRATION]
;;Subcatchment   Suction    HydCon     IMDmax
;;-------------- ---------- ---------- ----------
A1               166        5          0.2
A1.1             248        2          0.2
```

A1.1_FRST	227	3	0.2
A2	192	5	0.2
A2.1	238	4	0.2
A2.1_FRST	235	5	0.2
A2.2	244	3	0.2
A2.2_FRST	229	5	0.2
A3	157	8	0.2
A3.1	250	2	0.2
A3.1_FRST	238	5	0.2
A3.2	242	3	0.2
A3.2_FRST	193	7	0.2
A3.3	249	2	0.2
A3.3_FRST	179	8	0.2
A4	156	6	0.2
A4.1	247	2	0.2
A4.1_FRST	210	6	0.2
A4.2	250	2	0.2
A4.2_FRST	220	4	0.2
A4.3	243	3	0.2
A4.3_FRST	154	9	0.2
A4.4_FRST	144	10	0.2
A4.5	245	2	0.2
A4.5_FRST	233	3	0.2
A4.6	193	7	0.2
A4.6_FRST	152	9	0.2
B1	250	2	0.2
B1.1	250	2	0.2
B1.1_FRST	250	2	0.2
B2	250	2	0.2
B2.1	250	2	0.2
B2.1_FRST	250	2	0.2
C1	147	5	0.2
C1.1	236	3	0.2
C1.1_FRST	151	5	0.2
D1	145	7	0.2
D1.1	147	10	0.2
D1.1_FRST	146	7	0.2
D2	146	6	0.2
D2.1	155	9	0.2
D2.1_FRST	145	8	0.2
D3	172	5	0.2

D3.1	160	9	0.2
D4	145	7	0.2
D4.1	172	8	0.2
D4.1_FRST	150	8	0.2
E1	213	5	0.2
E1.1	188	5	0.2
E1.1_FRST	166	7	0.2
E2	233	3	0.2
E2.1	250	2	0.2
E2.1_FRST	241	3	0.2
E3	170	9	0.2
E3.1	217	5	0.2
E3.1_FRST	201	6	0.2
HC01-01	237	4.6	0.2
HC01-02	237	4.5	0.2
HC01-03	237	4.5	0.2
HC01-04	237	4.7	0.2
HC01-05	237	4.5	0.2
HC01-06	237	4.5	0.2
HC01-07	237	4.5	0.2
HC01-08	237	4.5	0.2
HC01-09	237	4.5	0.2
HC01-10	237	4.5	0.2
HC01-11	237	4.5	0.2
HC01-12	146	4.5	0.2
HC02-01	237	4.4	0.2
HC02-02	237	3.9	0.2
HC02-03	237	4.1	0.2
HC02-04	237	4.3	0.2
HC02-05	237	4.4	0.2
HC02-06	237	4.4	0.2
HC02-07	237	4.5	0.2
HC02-08	237	4.6	0.2
HC02-09	237	4.5	0.2
HC02-10	237	4.6	0.2
HC02-11	237	4.5	0.2
HC02-12	237	4.6	0.2
HC02-13	237	4.6	0.2
HC02-14	237	4.6	0.2
HC02-15	237	4.5	0.2
HC02-16	144	9.7	0.2

HC02-17	146	4.5	0.2
HC02-18	144	9.7	0.2
HC02-19	144	9.6	0.2
HC02-20	237	4.3	0.2
HC02-21	237	4.5	0.2
HC02-22	237	4.5	0.2
HC02-23	237	4.1	0.2
HC02-24	237	3.6	0.2
HC02-25	237	4	0.2
HC02-26	237	3.8	0.2
HC02-27	144	9.6	0.2
HC02-28	144	9.6	0.2
HC02-29	144	9.3	0.2
HC02-30	144	10.4	0.2
HC02-31	144	9.5	0.2
HC02-32	144	9.6	0.2
HC02-33	144	9.5	0.2
HC02-34	144	9.3	0.2
HC02-35	144	10.3	0.2
HC02-36	144	10	0.2
HC02-37	144	10	0.2
HC02-38	237	4.5	0.2
HC02-39	237	4.6	0.2
HC03-01	237	3.7	0.2
HC03-02	237	4.4	0.2
HC03-03	237	4.4	0.2
HC03-04	237	4.4	0.2
HC03-05	237	4.2	0.2
HC03-06	237	4.5	0.2
HC03-07	237	4.4	0.2
HC03-08	144	9.9	0.2
HC03-09	144	10	0.2
HC03-10	144	9.9	0.2
HC03-11	144	9.9	0.2
HC03-12	144	9.7	0.2
HC03-13	144	9.5	0.2
HC03-14	144	7.6	0.2
HC03-15	144	9.7	0.2
HC03-16	144	9.5	0.2
HC03-17	237	4.2	0.2
HC03-18	237	3.6	0.2

HC03-19	237	4.7	0.2
HC03-20	237	4.7	0.2
HC04-01	146	4.6	0.2
HC04-02	144	10	0.2
HC04-03	144	10	0.2
HC04-04	146	4.6	0.2
HC04-05	144	9.8	0.2
HC04-06	144	9.8	0.2
HC04-07	144	9.1	0.2
HC04-08	144	9.9	0.2
HC04-09	144	9.8	0.2
HC04-10	144	9.8	0.2
HC04-11	144	10.2	0.2
HC04-12	144	9.8	0.2
HC04-13	144	9.5	0.2
HC04-14	237	4.5	0.2
HC04-15	237	4.5	0.2
HC04-16	237	4.4	0.2
HC04-17	237	4.5	0.2
HC04-18	237	4.5	0.2
HC04-19	237	4.6	0.2
HC04-20	237	4.6	0.2
HC04-21	237	4.5	0.2
HC04-22	237	4.5	0.2
HC04-23	237	4.6	0.2
HC04-24	237	4.5	0.2
HC04-25	146	4.5	0.2
HC04-26	144	9.8	0.2
HC04-27	237	4.6	0.2
HC04-28	144	9.5	0.2
HC04-29	146	4.5	0.2
HC04-30	146	4.5	0.2
HC04-31	144	9.4	0.2
HC04-32	144	9.5	0.2
HC04-33	144	9.7	0.2
HC04-34	144	10	0.2
HC04-35	144	9.7	0.2
HC04-36	146	4.3	0.2
HC05-01	146	4.6	0.2
HC05-02	146	4.6	0.2
HC05-03	144	5	0.2

HC05-04	144	10	0.2
HC05-05	144	9.3	0.2
HC05-06	144	9.7	0.2
HC05-07	144	9.8	0.2
HC05-08	144	9.7	0.2
HC05-09	144	9.8	0.2
HC05-10	144	9.6	0.2
HC05-11	144	10	0.2
HC06-01	237	4.4	0.2
HC06-02	237	4.4	0.2
HC06-03	237	4.8	0.2
HC06-04	237	4.8	0.2
HC06-05	237	4.5	0.2
HC06-06	237	4.5	0.2
HC06-07	146	4.5	0.2
HC06-08	237	4.5	0.2
HC06-09	237	4.5	0.2
HC06-10	237	4.5	0.2
HC06-11	146	4.4	0.2
HC06-12	146	4.4	0.2
HC06-13	144	8.2	0.2
HC06-14	144	7.8	0.2
HC06-15	144	3.5	0.2
HC06-16	144	5.9	0.2
HC06-17	144	8	0.2
HC06-18	144	8	0.2
HC06-19	144	3.5	0.2
HC06-20	144	3.5	0.2
HC06-21	144	6.6	0.2
HC06-22	144	3.5	0.2
HC06-23	144	6.2	0.2
HC06-24	144	3.5	0.2
HC06-25	146	4.4	0.2
HC06-26	144	9.7	0.2
HC06-27	144	5	0.2
HC06-28	144	3.5	0.2
HC06-29	146	4.7	0.2
HC06-30	146	4.2	0.2
HC06-31	144	10.3	0.2
HC06-32	144	10	0.2
HC07-01	144	9.7	0.2

HC07-02	144	9.8	0.2
HC07-03	144	9.6	0.2
HC07-04	144	9.7	0.2
HC07-05	144	9.8	0.2
HC07-06	144	9.7	0.2
HC07-07	144	9.8	0.2
HC07-08	144	9.6	0.2
HC07-09	144	10.3	0.2
HC08-01	146	4.5	0.2
HC08-02	146	4.4	0.2
HC08-03	144	9.5	0.2
HC08-04	146	4.6	0.2
HC08-05	146	4.3	0.2
HC08-06	146	4.5	0.2
HC08-07	146	4.5	0.2
HC08-08	146	3.7	0.2
HC08-09	146	4.2	0.2
HC08-10	146	4.7	0.2
HC09-01	144	10.1	0.2
HC09-02	144	10.2	0.2
HC09-03	144	9.9	0.2
HC09-04	144	10	0.2
HC09-05	144	9.9	0.2
HC09-06	144	9.9	0.2
HC09-07	144	9.7	0.2
HC10-01	144	10.1	0.2
HC10-02	144	9.4	0.2
HC10-03	144	9.6	0.2
HC10-04	144	9.9	0.2
HC10-05	144	10	0.2
HC10-06	144	9.9	0.2
HC10-07	144	9.9	0.2
HC10-08	144	10	0.2
HC10-09	144	9.9	0.2
HC10-10	144	10	0.2
HC10-11	144	9.8	0.2
HC10-12	144	10.3	0.2
HC10-13	144	9.9	0.2
HC10-14	144	9.9	0.2
HC10-15	144	9.9	0.2

```
[LID_CONTROLS]
;;               Type/Layer Parameters
;;-------------- ---------- ----------
NA_LID           BC
NA_LID           SURFACE    150        0.5        0.1        2.6        5
NA_LID           SOIL       1000       0.45       0.12       0.06       220        45         55
NA_LID           STORAGE    250        0.4        7          0
NA_LID           DRAIN      0          0.5        6          6          0          0

[LID_USAGE]
;;Subcatchment   LID Process      Number  Area       Width      InitSatur  FromImprv  ToPerv     Report File
Drain to         FromPerv
;;-------------- ---------------- ------- ---------- ---------- ---------- ---------- ---------- ------------------
------ ---------------- ----------------
A1.1_FRST        NA_LID           5       400        20         25         100        0          *
*                100
A2.1_FRST        NA_LID           4       400        20         25         100        0          *
*                100
A2.2_FRST        NA_LID           5       400        20         25         100        0          *
*                100
A3.1_FRST        NA_LID           18      400        20         25         100        0          *
*                100
A3.2_FRST        NA_LID           16      400        20         25         100        0          *
*                100
A3.3_FRST        NA_LID           28      400        20         25         100        0          *
*                100
A4.1_FRST        NA_LID           7       400        20         25         100        0          *
*                100
A4.2_FRST        NA_LID           27      400        20         25         100        0          *
*                100
A4.3_FRST        NA_LID           30      400        20         25         100        0          *
*                100
A4.4_FRST        NA_LID           39      400        20         25         100        0          *
*                100
A4.5_FRST        NA_LID           21      400        20         25         100        0          *
*                100
A4.6_FRST        NA_LID           208     400        20         25         100        0          *
*                100
B1.1_FRST        NA_LID           4       400        20         25         100        0          *
*                100
B2.1_FRST        NA_LID           4       400        20         25         100        0          *
*                100
C1.1_FRST        NA_LID           9       400        20         25         100        0          *
```

```
D1.1_FRST        NA_LID           107     400        20         25         100        0          *
*                100
D2.1_FRST        NA_LID           64      400        20         25         100        0          *
*                100
D4.1_FRST        NA_LID           44      400        20         25         100        0          *
*                100
E1.1_FRST        NA_LID           54      400        20         25         100        0          *
*                100
E2.1_FRST        NA_LID           1       400        20         25         100        0          *
*                100
E3.1_FRST        NA_LID           16      400        20         25         100        0          *
*                100

[JUNCTIONS]
;;               Invert     Max.       Init.      Surcharge  Ponded
;;Name           Elev.      Depth      Depth      Depth      Area
;;-------------- ---------- ---------- ---------- ---------- ----------
1                332.644    3          0          0          0
11               316.607    3          0          0          0
12               315.5      3          0          0          0
;07
13               314.5      3          0          0          0
14               331.1      3          0          0          0
15               313.95     3          0          0          0
17               312        3          0          0          0
;02
18               322.5      3          0          0          0
19               323.5      3          0          0          0
2                324        3          0          0          0
20               330.1      0          0          0          0
;05
21               321.1      3          0          0          0
;03
22               321.5      3          0          0          0
24               320.5      3          0          0          0
25               321.103    3          0          0          0
26               327.931    3          0          0          0
27               326.5      3          0          0          0
28               326.1      3          0          0          0
29               323.893    3          0          0          0
3                330.57     3          0          0          0
30               320.5      3          0          0          0
```

```
;06
31                320.148    3          0          0          0
32                319        3          0          0          0
34                317.868    3          0          0          0
35                317.5      3          0          0          0
36                315.5      3          0          0          0
37                324.1      3          0          0          0
39                321.3      3          0          0          0
4                 325        3          0          0          0
40                319.1      3          0          0          0
42                322.1      3          0          0          0
48                324.6      3          0          0          0
49                321.6      3          0          0          0
;01
5                 329.5      3          0          0          0
50                318.1      3          0          0          0
53                314.1      3          0          0          0
54                313.925    3          0          0          0
;08
56                301.1      3          0          0          0
6                 329        3          0          0          0
7                 318.1      3          0          0          0
8                 320.964    3          0          0          0
;04
9                 320.404    3          0          0          0
;NA
MHEasement1       319.07     3.83       0          0          0
;NA
MHEasement2       318.7      2          0          0          0
;Represents direct connection point of servicing from public school
;Rim elevation approximated by neighbouring MH values and contours
MHSchool          328.55     3.18       0          0.3        0
;NA
MHSWM4            319.25     4.3        0          0.3        0
;NA
PWOPRMHS0001369   319.39     2.49       0          0.3        0
;NA
PWOPRMHS0001370   319.27     3.33       0          0.3        0
;NA
PWOPRMHS0001371   319.82     3.07       0          0.3        0
;NA
```

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PWOPRMHS0001372  320.15     3.07       0          0.3        0
;NA
PWOPRMHS0001373  320.02     2.26       0          0.3        0
;NA
PWOPRMHS0001374  319.69     2.9        0          0.3        0
;NA
PWOPRMHS0001375  319.57     2.83       0          0.3        0
;NA
PWOPRMHS0001386  318.61     2.05       0          0.3        0
;NA
PWOPRMHS0001387  318.75     2.27       0          0.3        0
;NA
PWOPRMHS0001388  318.93     2.35       0          0.3        0
;NA
PWOPRMHS0001389  319.13     2.39       0          0.3        0
;NA
PWOPRMHS0001390  317.49     3.36       0          0.3        0
;NA
PWOPRMHS0001391  317.27     3.16       0          0.3        0
;NA
PWOPRMHS0001392  318.18     2.66       0          0.3        0
;NA
PWOPRMHS0001393  320.19     2.79       0          0.3        0
;NA
PWOPRMHS0001394  316.86     2.8        0          0.3        0
;NA
PWOPRMHS0001395  316.79     2.63       0          0.3        0
;NA
PWOPRMHS0001398  317.27     3.29       0          0.3        0
;NA
PWOPRMHS0001399  317.15     2.87       0          0.3        0
;NA
PWOPRMHS0001400  316.99     2.75       0          0.3        0
;NA
PWOPRMHS0001401  316.67     2.83       0          0.3        0
;NA
PWOPRMHS0001402  316.5      2.78       0          0.3        0
;NA
PWOPRMHS0001403  321.7      3.25       0          0.3        0
;NA
PWOPRMHS0001404  320.54     2.9        0          0.3        0
```

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;NA
PWOPRMHS0001408  320.83     2.96       0          0.3        0
;NA
PWOPRMHS0001409  327.81     2.43       0          0.3        0
;NA
PWOPRMHS0001410  326.47     3.97       0          0.3        0
;NA
PWOPRMHS0001411  327.47     3.16       0          0.3        0
;NA
PWOPRMHS0001412  331.69     3.81       0          0.3        0
;NA
PWOPRMHS0001413  331.74     3.86       0          0.3        0
;NA
PWOPRMHS0001415  319.68     2.59       0          0.3        0
;NA
PWOPRMHS0001416  318.99     4.22       0          0.3        0
;NA
PWOPRMHS0001418  318.73     3.45       0          0.3        0
;NA
PWOPRMHS0001419  319.99     3.16       0          0.3        0
;NA
PWOPRMHS0001420  320.5      3.14       0          0.3        0
;NA
PWOPRMHS0001421  320.94     3.21       0          0.3        0
;NA
PWOPRMHS0001422  320.28     2.33       0          0.3        0
;NA
PWOPRMHS0001423  320.43     2.8        0          0.3        0
;NA
PWOPRMHS0001424  320.96     2.34       0          0.3        0
;NA
PWOPRMHS0001428  323.21     3.02       0          0.3        0
;NA
PWOPRMHS0001429  321.35     3.17       0          0.3        0
;NA
PWOPRMHS0001430  321.23     2.88       0          0.3        0
;NA
PWOPRMHS0001431  323.01     3.1        0          0.3        0
;NA
PWOPRMHS0001433  319.78     3.9        0          0.3        0
;NA
```

```
PWOPRMHS0001435  319.64     2.89       0          0.3        0
;NA
PWOPRMHS0001436  318.35     5.33       0          0.3        0
;NA
PWOPRMHS0001437  319.38     3.85       0          0.5        0
;NA
PWOPRMHS0001438  318.2      4.24       0          0.3        0
;NA
PWOPRMHS0001467  320.92     2.97       0          0.3        0
PWOPRMHS0001597  324.78     2.86       0          0.3        0
PWOPRMHS0001598  325.49     2.11       0          0.3        0
PWOPRMHS0001600  324.66     3.3        0          0.3        0
PWOPRMHS0001601  326.15     2          0          0.3        0
PWOPRMHS0001602  325.98     2          0          0.3        0
PWOPRMHS0001603  324.23     3.25       0          0.3        0
PWOPRMHS0001604  323.95     3.47       0          0.3        0
PWOPRMHS0001605  324.34     3.15       0          0.3        0
PWOPRMHS0001606  323.57     3.36       0          0.3        0
PWOPRMHS0001608  325.67     2.5        0          0.3        0
PWOPRMHS0001610  325.44     2.21       0          0.3        0
;NA
PWOPRMHS0001611  322.87     2.24       0          0.3        0
;NA
PWOPRMHS0001614  322.91     3.09       0          0.3        0
;NA
PWOPRMHS0001622  332.73     2.22       0          0.3        0
;NA
PWOPRMHS0001624  330.92     3.93       0          0.3        0
;NA
PWOPRMHS0001625  330.61     4.33       0          0.3        0
;NA
PWOPRMHS0001626  331        4.4        0          0.3        0
;NA
PWOPRMHS0001634  326.21     3.77       0          0.3        0
;NA
PWOPRMHS0001642  323.27     2.84       0          0.3        0
;NA
PWOPRMHS0001643  323.38     2.83       0          0.3        0
;NA
PWOPRMHS0001649  329.21     4.17       0          0.3        0
;NA
```

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PWOPRMHS0001650  329.57     3.87       0          0.3        0
;NA
PWOPRMHS0001651  330.28     4.11       0          0.3        0
;NA
PWOPRMHS0001652  326.89     2.16       0          0.3        0
;NA
PWOPRMHS0001653  325.24     2.15       0          0.3        0
;NA
PWOPRMHS0001654  324.91     2.39       0          0.3        0
;NA
PWOPRMHS0001655  330        3.56       0          0.3        0
;NA
PWOPRMHS0001657  324.58     2.47       0          0.3        0
;NA
PWOPRMHS0001658  324.92     2.21       0          0.3        0
;NA
PWOPRMHS0001659  325.31     2.46       0          0.3        0
;NA
PWOPRMHS0001660  324.1      2.85       0          0.3        0
;NA
PWOPRMHS0001661B 324.31     2.45       0          0.3        0
;NA
PWOPRMHS0001662  323.95     2.98       0          0.3        0
;NA
PWOPRMHS0001663  324.06     2.66       0          0.3        0
;NA
PWOPRMHS0001664  326.35     2.28       0          0.3        0
PWOPRMHS0001667  323.15     3.08       0          0.3        0
PWOPRMHS0001670  322.92     2          0          0.3        0
PWOPRMHS0001674  325.88     3.53       0          0.3        0
PWOPRMHS0001676  326.33     3.2        0          0.3        0
PWOPRMHS0001677  326.59     3.15       0          0.3        0
;Rim elevation estimated
PWOPRMHS0001678  327.01     2.79       0          0.3        0
PWOPRMHS0001679  335.89     2.66       0          0.3        0
PWOPRMHS0001680  335.06     3.4        0          0.3        0
PWOPRMHS0001682  328.1      3.89       0          0.3        0
PWOPRMHS0001686  328.55     3.6        0          0.3        0
PWOPRMHS0001687  326.4      3.48       0          0.3        0
PWOPRMHS0001688  326.1      3.34       0          0.3        0
PWOPRMHS0001689  326.61     3.68       0          0.3        0
```

```
PWOPRMHS0001690  326.74     3.56       0          0.3        0
PWOPRMHS0001691  326.982    3.598      0          0.3        0
PWOPRMHS0001692  327.57     3.44       0          0.3        0
;NA
PWOPRMHS0001695  322.25     3.57       0          0.3        0
;NA
PWOPRMHS0001697  323.91     3.11       0          0.3        0
PWOPRMHS0001705  328.53     3.5        0          0.3        0
PWOPRMHS0001706  327.14     3.06       0          0.3        0
PWOPRMHS0001713  325.51     3.65       0          0.3        0
PWOPRMHS0001729  329.08     3.52       0          0.3        0
PWOPRMHS0001732  328.98     3.3        0          0.3        0
;NA
PWOPRMHS0001733  324.05     2.7        0          0.3        0
;NA
PWOPRMHS0001736  323.4      3.15       0          0.3        0
PWOPRMHS0001739  328.89     3.32       0          0.3        0
PWOPRMHS0001740  328.72     3.33       0          0.3        0
PWOPRMHS0001741  329.48     2.76       0          0.3        0
PWOPRMHS0001743  327.29     3.33       0          0.3        0
PWOPRMHS0001744  327.73     3.33       0          0.3        0
PWOPRMHS0001745  328.06     3.3        0          0.3        0
PWOPRMHS0001746  327.93     3.33       0          0.3        0
;NA
PWOPRMHS0001761  329.15     2.76       0          0.3        0
;NA
PWOPRMHS0001764  327.46     3.78       0          0.3        0
;NA
PWOPRMHS0001765  328.04     2.39       0          0.3        0
;NA
PWOPRMHS0001766  328.32     2.41       0          0.3        0
;NA
PWOPRMHS0001767  327.25     3.62       0          0.3        0
;NA
PWOPRMHS0001768  327.85     2.58       0          0.3        0
;NA
PWOPRMHS0001788  322.94     3.97       0          0.3        0
;NA
PWOPRMHS0001791  325.59     5.96       0          0.3        0
;NA
PWOPRMHS0001792  325.24     6.82       0          0.3        0
```

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;NA
PWOPRMHS0001796  326.65     4.02       0          0          0
;NA
PWOPRMHS0001797  326.4      4.83       0          0          0
;NA
PWOPRMHS0001798  326.06     5.77       0          0.3        0
;NA
PWOPRMHS0001804  331.98     3.61       0          0.3        0
;NA
PWOPRMHS0001836  324.56     5.25       0          0.3        0
;NA
PWOPRMHS0001855  326.21     3.73       0          0.3        0
;NA
PWOPRMHS0001856  327.73     3.67       0          0.3        0
;NA
PWOPRMHS0001857  322.43     3.51       0          0.3        0
;NA
PWOPRMHS0001858  329.93     3.69       0          0.3        0
;NA
PWOPRMHS0001867  331.94     2.78       0          0.3        0
PWOPRMHS0001874  329.87     3.05       0          0.3        0
;NA
PWOPRMHS0001878  323.28     2.96       0          0.3        0
;NA
PWOPRMHS0001879  323.04     3.03       0          0.3        0
;NA
PWOPRMHS0001881  323.57     2.92       0          0.3        0
;NA
PWOPRMHS0001889  324.63     3.44       0          0.3        0
;NA
PWOPRMHS0001890  324.52     3.31       0          0.3        0
;NA
PWOPRMHS0001891  325.1      2.9        0          0.3        0
;NA
PWOPRMHS0001894  324.23     3          0          0.3        0
;NA
PWOPRMHS0001903  332.72     2.54       0          0.3        0
;NA
PWOPRMHS0001904  330.44     3.67       0          0.3        0
;NA
PWOPRMHS0001906  318.8      3.49       0          0.3        0
```

```
;NA
PWOPRMHS0001907  318.83     2.99       0          0.3        0
;NA
PWOPRMHS0001908  319.55     3.08       0          0.3        0
;NA
PWOPRMHS0001911  318.49     3.65       0          0.3        0
;NA
PWOPRMHS0001912  317.51     3.82       0          0.3        0
;NA
PWOPRMHS0001914  331.83     2.71       0          0.3        0
;NA
PWOPRMHS0001915  329.19     3.84       0          0.3        0
;NA
PWOPRMHS0001916  327.59     3.14       0          0.3        0
;NA
PWOPRMHS0001917  319.24     2.98       0          0.3        0
;NA
PWOPRMHS0001918  317.81     4.03       0          0.3        0
PWOPRMHS0001919  327.8      2.84       0          0.3        0
;NA
PWOPRMHS0001925  323.33     3.36       0          0.3        0
;NA
PWOPRMHS0001926  322.69     2.47       0          0.3        0
;NA
PWOPRMHS0001927  323.51     2.31       0          0.3        0
;NA
PWOPRMHS0001928  322.2      2.41       0          0.3        0
;NA
PWOPRMHS0001929  323.85     3.52       0          0.3        0
;NA
PWOPRMHS0001930  323.07     3.07       0          0.3        0
;NA
PWOPRMHS0001931  324.99     5.43       0          0.3        0
;NA
PWOPRMHS0001932  325.31     8.34       0          0.3        0
;NA
PWOPRMHS0001933  325.66     9.07       0          0.3        0
;NA
PWOPRMHS0001935  326.03     7.44       0          0.3        0
;NA
PWOPRMHS0001937  324.28     3.82       0          0.3        0
```

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;NA
PWOPRMHS0001939  327.51     3.59       0          0.3        0
;NA
PWOPRMHS0001941  326.79     3.74       0          0          0
;NA
PWOPRMHS0001943  326.42     5.3        0          0.3        0
;NA
PWOPRMHS0001944  322.64     3          0          0.3        0
;NA
PWOPRMHS0001945  323.32     2.88       0          0.3        0
;NA
PWOPRMHS0001947  324.02     2.7        0          0.3        0
PWOPRMHS0002041  329.07     2.98       0          0.3        0
PWOPRMHS0002042  329.56     4.01       0          0.3        0
PWOPRMHS0002046  330.72     2.86       0          0.3        0
PWOPRMHS0002050  328.97     2.87       0          0.3        0
PWOPRMHS0002051  328.27     3.3        0          0.3        0
;NA
PWOPRMHS0002080  325.23     3.1        0          0.3        0
;NA
PWOPRMHS0002082  326.71     4.05       0          0.3        0
;NA
PWOPRMHS0002083  325.32     3.61       0          0.3        0
;NA
PWOPRMHS0002084  324.97     3.82       0          0.3        0
;NA
PWOPRMHS0002085  329.39     3.11       0          0.3        0
PWOPRMHS0002095  336.04     3.41       0          0.3        0
PWOPRMHS0003136  328.89     3.7        0          0.3        0
PWOPRMHS0003137  329.5      3.26       0          0.3        0
PWOPRMHS0003140  327.35     2.76       0          0.3        0
PWOPRMHS0003146  334.6      3.92       0          0.3        0
PWOPRMHS0003147  333.79     2.72       0          0.3        0
PWOPRMHS0003148  331.89     3.16       0          0.3        0
PWOPRMHS0003149  330.86     3.81       0          0.3        0
PWOPRMHS0003153  336.16     2.43       0          0.3        0
PWOPRMHS0003160  335.5      2.92       0          0.3        0
PWOPRMHS0004129  329.07     2          0          0.3        0
PWOPRMHS0004130  328.83     2.13       0          0.3        0
PWOPRMHS0004131  328.57     2          0          0.3        0
PWOPRMHS0004132  328.13     2.51       0          0.3        0
```

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PWOPRMHS0004133  328.79     2          0          0.3        0
PWOPRMHS0004134  331.94     2          0          0.3        0
PWOPRMHS0004135  332.43     2.02       0          0.3        0
PWOPRMHS0004137  334.38     2.53       0          0.3        0
PWOPRMHS0004141  327.38     2.19       0          0.3        0
PWOPRMHS0004142  327.04     2.46       0          0.3        0
PWOPRMHS0004143  327.78     2          0          0.3        0
PWOPRMHS0004146  332.4      2          0          0.3        0
PWOPRMHS0004159  329.63     2          0          0.3        0
PWOPRMHS0004201  329.52     2          0          0.3        0
PWOPRMHS0004998  326.73     2          0          0.3        0
PWOPRMHS0004999  327.49     2          0          0.3        0
PWOPRMHS0005000  326.99     2.32       0          0.3        0
PWOPRMHS0005001  327.12     2.55       0          0.3        0
PWOPRMHS0005003  326.19     2          0          0.3        0
PWOPRMHS0005008  338.52     4.48       0          0.3        0
PWOPRMHS0005009  339.39     4.26       0          0.3        0
PWOPRMHS0005010  338.14     4.66       0          0.3        0
PWOPRMHS0005011  334.98     3.72       0          0.3        0
PWOPRMHS0005012  335.55     3.95       0          0.3        0
PWOPRMHS0005013  334.8      3.45       0          0.3        0
PWOPRMHS0005178  328.64     2          0          0.3        0
;NA
PWOPRMHS0005179  326.2      4.1        0          0.3        0
;NA
PWOPRMHS0005181  326.66     3.12       0          0.3        0
;NA
PWOPRMHS0005183  327.74     2.96       0          0.3        0
;NA
PWOPRMHS0005188  329.94     2.33       0          0.3        0
;NA
PWOPRMHS0005196  328.21     2.69       0          0.3        0
;NA
PWOPRMHS0005223  325.84     3.81       0          0.3        0
;NA
PWOPRMHS0005226  325.46     3.04       0          0.3        0
;NA
PWOPRMHS0005229  324.74     2.51       0          0.3        0
;NA
PWOPRMHS0005230  324.55     2.65       0          0.3        0
;NA
```

```
PWOPRMHS0005231  325.24     2.4        0          0.3        0
;NA
PWOPRMHS0005906  319.63     2          0          0.3        0
;NA
PWOPRMHS0005908  318.92     2.18       0          0.3        0
;NA
PWOPRMHS0005909  318.44     2.56       0          0.3        0
;NA
PWOPRMHS0005910  318.95     2.55       0          0.3        0
;NA
PWOPRMHS0005911  319.29     2.46       0          0.3        0
;NA
PWOPRMHS0005924  318.6      2.4        0          0.3        0
;NA
PWOPRMHS0005926  318.05     2.75       0          0.3        0
;NA
PWOPRMHS0005927  317.76     2.44       0          0.3        0
;NA
PWOPRMHS0005930  317.25     2.3        0          0.3        0
;NA
PWOPRMHS0005931  317.7      2          0          0.3        0
;NA
PWOPRMHS0005932  317.88     2          0          0.3        0
;NA
PWOPRMHS0005944  318.32     2.18       0          0.3        0
;NA
PWOPRMHS0005945  318.22     2          0          0.3        0
;NA
PWOPRMHS0005946  318.5      2          0          0.3        0
SWMPOND          322        3          0          0.3        0

[OUTFALLS]
;;               Invert     Outfall    Stage/Table      Tide
;;Name           Elev.      Type       Time Series      Gate     Route To
;;-------------- ---------- ---------- ---------------- -------- ----------------
A1_OVERFLOW      317        FREE                        NO       A1
A2_OVERFLOW      329        FREE                        NO       A2
A3_OVERFLOW      326        FREE                        NO       A3
A4_OVERFLOW      317        FREE                        NO       A4
B1_OVERFLOW      324        FREE                        NO       B1
B2_OVERFLOW      322        FREE                        NO       B2
```

```
C1_OVERFLOW      319        FREE                        NO       C1
D1_OVERFLOW      324.5      FREE                        NO       D1
D2_OVERFLOW      321        FREE                        NO       D3
D3_OVERFLOW      321.5      FREE                        NO       D3
D4_OVERFLOW      318        FREE                        NO       D4
E1_OVERFLOW      314        FREE                        NO       E1
E2_OVERFLOW      313.9      FREE                        NO       E2
HanlonCreek      300        FREE                        NO

[STORAGE]
;;               Invert   Max.       Init.      Storage    Curve                                Evap.
;;Name           Elev.    Depth      Depth      Curve      Params                               Frac.
Infiltration parameters
;;-------------- -------- ---------- ---------- ---------- --------- --------- -------- -------- -------- ---------
--------------
S_A1             331      3          0          TABULAR    WetlandA1                  0        0
S_A1.1FRST       335.644  2          0          TABULAR    ForestA1.1                 0        0
S_A2             330      3          0          TABULAR    WetlandA2                  0        0
S_A2.1FRST       333.57   2          0          TABULAR    ForestA2.1                 0        0
S_A2.2FRST       333.57   2          0          TABULAR    ForestA2.2                 0        0
S_A3             326      5.5        0          TABULAR    WetlandA3                  0        0
S_A3.1FRST       332      2          0          TABULAR    ForestA3.1                 0        0
S_A3.2FRST       332      2          0          TABULAR    ForestA3.2                 0        0
S_A3.3FRST       329.1    2          0          TABULAR    ForestA3.3                 0        0
S_A4             318      5.5        0          TABULAR    WetlandA4                  0        0
S_A4.1FRST       323.404  2          0          TABULAR    ForestA4.1                 0        0
S_A4.2FRST       323.404  2          0          TABULAR    ForestA4.2                 0        0
S_A4.3FRST       323.964  2          0          TABULAR    ForestA4.3                 0        0
S_A4.4FRST       323.964  2          0          TABULAR    ForestA4.4                 0        0
S_A4.5FRST       327      2          0          TABULAR    ForestA4.5                 0        0
S_A4.6FRST       327      2          0          TABULAR    ForestA4.6                 0        0
S_B1             324      3          0          TABULAR    WetlandB1                  0        0
S_B1.1FRST       328      2          0          TABULAR    ForestB1.1                 0        0
S_B2             322      3          0          TABULAR    WetlandB2                  0        0
S_B2.1FRST       325.5    2          0          TABULAR    ForestB2.1                 0        0
S_C1             319      3          0          TABULAR    WetlandC1                  0        0
S_C1.1FRST       322.1    2          0          TABULAR    ForestC1.1                 0        0
S_D1             324.5    3          0          TABULAR    WetlandD1                  0        0
S_D1.1FRST       329.5    2          0          TABULAR    ForestD1.1                 0        0
S_D2             321      3          0          TABULAR    WetlandD2                  0        0
S_D2.1FRST       324.1    2          0          TABULAR    ForestD2.1                 0        0
```

```
S_D3            321.5    3          0          TABULAR    WetlandD3                 0        0
S_D4            318      3          0          TABULAR    WetlandD4                 0        0
S_D4.1FRST      321.1    2          0          TABULAR    ForestD4.1                0        0
S_E1            314      3          0          TABULAR    WetlandE1                 0        0
S_E1.1FRST      317.1    2          0          TABULAR    ForestE1.1                0        0
S_E2            313.9    3          0          TABULAR    WetlandE2                 0        0
S_E2.1FRST      316.95   2          0          TABULAR    ForestE2.1                0        0

[CONDUITS]
;;              Inlet            Outlet                       Manning    Inlet      Outlet     Init.      Max.
;;Name          Node             Node             Length      N          Offset     Offset     Flow       Flow
;;-------------- ---------------- ---------------- ---------- ---------- ---------- ---------- ---------- ---------
-
1               1                14               360.305    0.013      0          0          0          0
10              24               9                457.949    0.013      0          0          0          0
11              18               42               301.149    0.013      0          0          0          0
12              S_B2             22               131.83     0.013      0          0          0          0
13              19               S_B1             124.967    0.013      0          0          0          0
14              19               18               146.578    0.013      0          0          0          0
15              22               25               93.126     0.013      0          0          0          0
16              2                8                631.141    0.013      324        320.964    0          0
17              25               24               181.69     0.013      0          0          0          0
18              9                7                420.604    0.013      0          0          0          0
19              11               12               195.669    0.013      0          0          0          0
2               S_A1             3                43.668     0.013      0          0          0          0
20              12               13               179.641    0.013      0          0          0          0
21              13               53               212.047    0.013      0          0          0          0
22              S_E1             15               69.292     0.013      0          0          0          0
23              15               54               67.515     0.013      0          0          0          0
24              S_E2             17               107.785    0.013      0          0          0          0
25              26               27               458.274    0.013      0          0          0          0
26              39               21               482.961    0.013      0          0          0          0
27              27               48               289.263    0.013      0          0          0          0
28              S_D1             29               122.671    0.013      0          0          0          0
29              30               31               89.546     0.013      0          0          0          0
3               3                20               432.496    0.013      0          0          0          0
30              31               32               191.886    0.013      0          0          0          0
31              32               50               225.886    0.013      0          0          0          0
32              S_D4             34               122.316    0.013      0          0          0          0
33              34               35               72.595     0.013      0          0          0          0
34              35               36               438.635    0.013      0          0          0          0
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35	36	13	141.013	0.013	0	0	0	0
36	14	S_A1	34.424	0.013	0	331	0	0
37	S_D3	39	91.663	0.013	0	0	0	0
38	29	21	402.301	0.013	0	0	0	0
39	21	S_D2	78.042	0.013	0	0	0	0
4	S_A2	5	94.929	0.013	0	0	0	0
40	S_D2	30	55.409	0.013	0	0	0	0
41	17	56	1006.975	0.013	0	0	0	0
43	4	37	223.1	0.013	325	324.1	0	0
44	7	S_A4	45.027	0.013	0	317	0	0
45	7	A4_OVERFLOW	60.823	0.013	318.7	0	0	0
46	14	A1_OVERFLOW	16.01	0.013	331.7	0	0	0
47	S_A4	11	355.016	0.013	317	316.607	0	0
48	20	S_A2	28.029	0.013	330.1	330	0	0
49	20	A2_OVERFLOW	32.856	0.013	330.7	330	0	0
5	5	6	219.322	0.013	0	0	0	0
50	28	S_A3	102.047	0.013	326.1	326	0	0
51	28	A3_OVERFLOW	83.104	0.013	326.7	0	0	0
52	37	S_B1	30.885	0.013	324.1	324	0	0
53	37	B1_OVERFLOW	20.838	0.013	324.7	324	0	0
54	40	S_C1	40.45	0.013	319.1	319	0	0
55	40	C1_OVERFLOW	45.312	0.013	319.7	319	0	0
56	42	B2_OVERFLOW	25.741	0.013	322.7	322	0	0
57	42	S_B2	24.015	0.013	322.1	322	0	0
58	49	S_D3	59.379	0.013	321.6	321.5	0	0
59	49	D3_OVERFLOW	57.755	0.013	322.2	321.5	0	0
6	6	28	710.032	0.013	0	0	0	0
60	48	S_D1	64.088	0.013	324.6	324.5	0	0
61	48	D1_OVERFLOW	92.338	0.013	325.2	324.5	0	0
62	21	D2_OVERFLOW	83.528	0.013	321.7	321	0	0
63	50	S_D4	36.294	0.013	318.1	318	0	0
64	50	D4_OVERFLOW	20.059	0.013	318.7	318	0	0
65	54	S_E2	8.253	0.013	313.925	313.9	0	0
66	54	E2_OVERFLOW	17.303	0.013	314.525	313.9	0	0
67	53	E1_OVERFLOW	16.462	0.013	314.7	314	0	0
68	53	S_E1	9.722	0.013	314.1	314	0	0
7	S_A3	8	610.067	0.013	0	0	0	0
70	56	HanlonCreek	345.809	0.013	301.1	301	0	0
8	8	9	403.532	0.013	0	0	0	0
9	S_C1	7	306.084	0.013	0	0	0	0

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PWOPRSES0001765B MHSchool         PWOPRMHS0002051  24.3       0.013      328.55     328.46     0          0
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PWOPRSES0001845  PWOPRMHS0002080  PWOPRMHS0001890  52.5       0.013      325.23     324.84     0          0
;NA
PWOPRSES0001855  PWOPRMHS0001858  PWOPRMHS0001915  30.18      0.013      329.93     329.31     0          0
;NA
PWOPRSES0001856  PWOPRMHS0001914  PWOPRMHS0001858  32.92      0.013      331.83     330.54     0          0
;NA
PWOPRSES0001861  PWOPRMHS0001867  PWOPRMHS0001904  111.4      0.013      331.94     330.81     0          0
;NA
PWOPRSES0001862  PWOPRMHS0001908  PWOPRMHS0001906  32.16      0.013      319.55     319.02     0          0
;NA
PWOPRSES0001865  PWOPRMHS0001904  PWOPRMHS0001858  87.78      0.013      330.44     330.01     0          0
;NA
PWOPRSES0001866  PWOPRMHS0001903  PWOPRMHS0001904  32.92      0.013      332.72     331.09     0          0
;NA
PWOPRSES0001868  PWOPRMHS0001907  PWOPRMHS0001906  10.55      0.013      318.83     318.8      0          0
;NA
PWOPRSES0001890  PWOPRMHS0001659  PWOPRMHS0001657  49.5       0.013      325.31     324.81     0          0
;NA
PWOPRSES0001891  PWOPRMHS0001653  PWOPRMHS0001654  23         0.013      325.24     324.99     0          0
;NA
PWOPRSES0001892  PWOPRMHS0001658  PWOPRMHS0001657  11.7       0.013      324.92     324.88     0          0
;NA
PWOPRSES0001895  PWOPRMHS0001625  PWOPRMHS0001651  17         0.013      330.61     330.34     0          0
;NA
PWOPRSES0001896  PWOPRMHS0001651  PWOPRMHS0001650  39.5       0.013      330.28     329.62     0          0
;NA
PWOPRSES0001897  PWOPRMHS0001650  PWOPRMHS0001649  14.5       0.013      329.57     329.21     0          0
;NA
PWOPRSES0001899  PWOPRMHS0001624  PWOPRMHS0001625  10         0.013      330.92     330.77     0          0
;NA
PWOPRSES0001900  PWOPRMHS0001626  PWOPRMHS0001624  35         0.01       331.24     330.92     0          0
;NA
PWOPRSES0001904  PWOPRMHS0001654  PWOPRMHS0001661B 76.725     0.013      324.91     324.41     0          0
;NA
```

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PWOPRSES0001905  PWOPRMHS0001661B PWOPRMHS0001663  17.5       0.013      324.31     324.24     0          0
;NA
PWOPRSES0001906  PWOPRMHS0001657  PWOPRMHS0001663  79.85      0.013      324.58     324.21     0          0
;NA
PWOPRSES0001919  PWOPRMHS0001766  PWOPRMHS0001765  27.74      0.013      328.32     328.12     0          0
;NA
PWOPRSES0001930  PWOPRMHS0001765  PWOPRMHS0001764  54.56      0.013      328.04     327.78     0          0
;NA
PWOPRSES0001931  PWOPRMHS0001764  PWOPRMHS0001767  85.65      0.013      327.46     327.29     0          0
;NA
PWOPRSES0001932  PWOPRMHS0001761  PWOPRMHS0001764  88.85      0.013      329.15     327.81     0          0
;NA
PWOPRSES0001941  PWOPRMHS0001937  PWOPRMHS0001925  38.71      0.013      324.28     323.37     0          0
;NA
PWOPRSES0001942  PWOPRMHS0001931  PWOPRMHS0001929  44.56      0.013      324.99     323.94     0          0
;NA
PWOPRSES0001943  PWOPRMHS0001932  PWOPRMHS0001931  46.85      0.013      325.31     325.07     0          0
;NA
PWOPRSES0001944  PWOPRMHS0001933  PWOPRMHS0001932  46.39      0.013      325.66     325.4      0          0
;NA
PWOPRSES0001951  PWOPRMHS0001941  PWOPRMHS0001943  52.5       0.013      326.79     326.42     0          0
;NA
PWOPRSES0001952  PWOPRMHS0001935  PWOPRMHS0001933  51.45      0.013      326.03     325.78     0          0
;NA
PWOPRSES0001960  PWOPRMHS0001943  PWOPRMHS0001935  54.59      0.013      326.42     326.14     0          0
;NA
PWOPRSES0001961  PWOPRMHS0001929  PWOPRMHS0001930  46.61      0.013      323.85     323.15     0          0
;NA
PWOPRSES0001962  PWOPRMHS0001944  PWOPRMHS0001928  76.81      0.013      322.64     322.28     0          0
;NA
PWOPRSES0001963  PWOPRMHS0001927  PWOPRMHS0001928  55.93      0.013      323.51     322.51     0          0
;NA
PWOPRSES0001968  PWOPRMHS0001939  PWOPRMHS0001927  46.02      0.013      327.51     323.61     0          0
;NA
PWOPRSES0001972  PWOPRMHS0001917  PWOPRMHS0001907  93.27      0.013      319.24     318.94     0          0
;NA
PWOPRSES0001976  PWOPRMHS0001918  PWOPRMHS0001912  149.66     0.013      317.81     317.52     0          0
;NA
PWOPRSES0001977  PWOPRMHS0001906  PWOPRMHS0001911  34.66      0.013      318.8      318.55     0          0
;NA
PWOPRSES0001978  PWOPRMHS0001912  11               120.189    0.013      317.51     316.6      0          0
```

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;NA
PWOPRSES0001979  PWOPRMHS0001911  PWOPRMHS0001912  10.97      0.013      318.49     318.36     0          0
;NA
PWOPRSES0001984  PWOPRMHS0001438  PWOPRMHS0001918  151.94     0.013      318.2      317.81     0          0
PWOPRSES0002119  PWOPRMHS0002042  PWOPRMHS0001729  74         0.013      329.56     329.23     0          0
PWOPRSES0002120  PWOPRMHS0001732  PWOPRMHS0001739  9.7        0.013      328.98     328.92     0          0
PWOPRSES0002121  PWOPRMHS0001729  PWOPRMHS0001732  18.6       0.013      329.08     329.04     0          0
PWOPRSES0002122  PWOPRMHS0001739  PWOPRMHS0001740  15.5       0.013      328.89     328.77     0          0
PWOPRSES0003435  PWOPRMHS0003137  PWOPRMHS0003136  23.4       0.013      329.5      328.99     0          0
PWOPRSES0003436  PWOPRMHS0003136  PWOPRMHS0001686  50.2       0.013      328.89     328.62     0          0
PWOPRSES0003439  PWOPRMHS0003140  PWOPRMHS0001678  48.8       0.013      327.35     327.07     0          0
PWOPRSES0003446  PWOPRMHS0003146  PWOPRMHS0003147  50.75      0.013      334.6      334.5      0          0
PWOPRSES0003447  PWOPRMHS0003147  PWOPRMHS0003148  22         0.013      333.79     332.64     0          0
PWOPRSES0003448  PWOPRMHS0003148  PWOPRMHS0003149  9.25       0.013      331.89     331.68     0          0
PWOPRSES0003449  PWOPRMHS0003149  PWOPRMHS0003137  58.3       0.013      330.86     329.6      0          0
PWOPRSES0003457  PWOPRMHS0003153  PWOPRMHS0001679  35.97      0.013      336.16     335.89     0          0
PWOPRSES0003465  PWOPRMHS0003160  PWOPRMHS0003146  19.51      0.013      335.5      335.01     0          0
PWOPRSES0003466  PWOPRMHS0001680  PWOPRMHS0003146  70.41      0.013      335.06     334.68     0          0
;NA
PWOPRSES0004584  PWOPRMHS0004135  PWOPRMHS0004134  13.2       0.013      332.43     331.94     0          0
;NA
PWOPRSES0004585  PWOPRMHS0004134  PWOPRMHS0004133  74.2       0.013      331.94     328.79     0          0
;NA
PWOPRSES0004586  PWOPRMHS0004133  PWOPRMHS0004132  16.7       0.013      328.79     328.58     0          0
;NA
PWOPRSES0004587  PWOPRMHS0004129  PWOPRMHS0004130  17.5       0.013      329.07     328.95     0          0
;NA
PWOPRSES0004588  PWOPRMHS0004130  PWOPRMHS0004131  64.7       0.013      328.83     328.57     0          0
;NA
PWOPRSES0004589  PWOPRMHS0004137  PWOPRMHS0004135  76.8       0.013      334.38     332.43     0          0
;NA
PWOPRSES0004590  PWOPRMHS0004131  PWOPRMHS0004132  24.8       0.013      328.57     328.2      0          0
;NA
PWOPRSES0004591  PWOPRMHS0004132  PWOPRMHS0004141  132.8      0.013      328.13     327.38     0          0
;NA
PWOPRSES0004592  PWOPRMHS0004141  PWOPRMHS0004142  54.6       0.013      327.38     327.07     0          0
;NA
PWOPRSES0004593  PWOPRMHS0004143  PWOPRMHS0004141  5.5        0.013      327.78     327.61     0          0
;NA
PWOPRSES0004594  PWOPRMHS0004142  PWOPRMHS0005003  173.398    0.013      327.04     326.19     0          0
;NA
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PWOPRSES0004597  PWOPRMHS0004146  PWOPRMHS0004129  75.3       0.013      332.4      329.23     0          0
;NA
PWOPRSES0004603  PWOPRMHS0004159  PWOPRMHS0004130  84.3       0.013      329.63     329.01     0          0
;NA
PWOPRSES0004637  PWOPRMHS0004201  PWOPRMHS0004132  41.8       0.013      329.52     328.58     0          0
;NA
PWOPRSES0005529  PWOPRMHS0004998  PWOPRMHS0001602  47.6       0.013      326.73     326.02     0          0
;NA
PWOPRSES0005530  PWOPRMHS0004999  PWOPRMHS0005000  20.1       0.013      327.49     327.23     0          0
;NA
PWOPRSES0005531  PWOPRMHS0005001  PWOPRMHS0005000  21.4       0.013      327.12     327.09     0          0
;NA
PWOPRSES0005532  PWOPRMHS0005000  PWOPRMHS0005003  105.011    0.013      326.99     326.19     0          0
;NA
PWOPRSES0005534  PWOPRMHS0005003  PWOPRMHS0001608  105.5      0.013      326.19     325.8      0          0
;NA
PWOPRSES0005535  PWOPRMHS0005009  PWOPRMHS0005008  117.4      0.013      339.39     338.61     0          0
;NA
PWOPRSES0005536  PWOPRMHS0005008  PWOPRMHS0005010  10.7       0.013      338.52     338.24     0          0
;NA
PWOPRSES0005537  PWOPRMHS0005010  PWOPRMHS0005011  120.5      0.013      338.14     335.07     0          0
;NA
PWOPRSES0005539  PWOPRMHS0005012  PWOPRMHS0005011  60.5       0.013      335.55     335.08     0          0
;NA
PWOPRSES0005540  PWOPRMHS0005011  PWOPRMHS0005013  6.8        0.013      334.98     334.9      0          0
;NA
PWOPRSES0005541  PWOPRMHS0005013  PWOPRMHS0004137  40.4       0.013      334.8      334.38     0          0
PWOPRSES0005710  PWOPRMHS0001713  37               161.268    0.01       325.51     324.1      0          0
;NA
PWOPRSES0005734  PWOPRMHS0005178  PWOPRMHS0004142  92.8       0.013      328.64     327.07     0          0
;NA
PWOPRSES0005735  PWOPRMHS0005181  PWOPRMHS0005179  96         0.013      326.66     326.24     0          0
;NA
PWOPRSES0005736  PWOPRMHS0005183  PWOPRMHS0005181  91         0.013      327.74     326.79     0          0
;NA
PWOPRSES0005739  PWOPRMHS0005188  PWOPRMHS0005183  99         0.01       329.94     327.74     0          0
;NA
PWOPRSES0005744  PWOPRMHS0005196  PWOPRMHS0005183  17         0.013      328.21     327.74     0          0
;NA
PWOPRSES0005766  PWOPRMHS0005179  PWOPRMHS0005223  55         0.013      326.2      325.88     0          0
;NA
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PWOPRSES0005767  PWOPRMHS0005223  PWOPRMHS0005226  71.8       0.013      325.84     325.48     0          0
;NA
PWOPRSES0005768  PWOPRMHS0005226  PWOPRMHS0005230  74.2       0.013      325.46     325.04     0          0
;NA
PWOPRSES0005769  PWOPRMHS0005230  24               335.253    0.01       324.55     320.5      0          0
;NA
PWOPRSES0005770  PWOPRMHS0005231  PWOPRMHS0005229  71.1       0.013      325.24     324.74     0          0
;NA
PWOPRSES0005771  PWOPRMHS0005229  PWOPRMHS0005230  8.6        0.01       324.74     324.59     0          0
;NA
PWOPRSES0006537  PWOPRMHS0005944  PWOPRMHS0005945  34.65      0.013      318.32     318.22     0          0
;NA
PWOPRSES0006538  PWOPRMHS0005906  PWOPRMHS0001388  81.91      0.013      319.63     319.19     0          0
;NA
PWOPRSES0006542  PWOPRMHS0005908  PWOPRMHS0005909  41.76      0.013      318.92     318.72     0          0
;NA
PWOPRSES0006547  PWOPRMHS0005911  PWOPRMHS0005910  51.83      0.013      319.29     319.05     0          0
;NA
PWOPRSES0006548  PWOPRMHS0005910  PWOPRMHS0005909  55.9       0.013      318.95     318.66     0          0
;NA
PWOPRSES0006549  PWOPRMHS0005909  PWOPRMHS0005926  56.32      0.013      318.44     318.1      0          0
;NA
PWOPRSES0006550  PWOPRMHS0005926  PWOPRMHS0005927  29.23      0.013      318.05     317.93     0          0
;NA
PWOPRSES0006551  PWOPRMHS0005924  PWOPRMHS0005927  90.05      0.013      318.6      318        0          0
;NA
PWOPRSES0006552  PWOPRMHS0005927  PWOPRMHS0005930  107.56     0.013      317.76     317.27     0          0
;NA
PWOPRSES0006553  PWOPRMHS0005930  36               354.591    0.013      317.25     315.5      0          0
;NA
PWOPRSES0006554  PWOPRMHS0005931  PWOPRMHS0005930  17.01      0.013      317.7      317.41     0          0
;NA
PWOPRSES0006555  PWOPRMHS0005932  PWOPRMHS0005930  58.07      0.013      317.88     317.37     0          0
;NA
PWOPRSES0006576  PWOPRMHS0005946  PWOPRMHS0005945  32.9       0.013      318.5      318.31     0          0
;NA
PWOPRSES0006577  PWOPRMHS0005945  PWOPRMHS0005931  82         0.013      318.22     317.74     0          0
;NA
STMEasement      MHEasement1      MHEasement2      72.3       0.013      319.07     318.7      0          0
SWMPOND_OUT      SWMPOND          24               215.307    0.013      322        320.5      0          0
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[OUTLETS]
;;                Inlet            Outlet           Outflow    Outlet           Qcoeff/                     Flap
;;Name            Node             Node             Height     Type             QTable           Qexpon     Gate
;;-------------- ---------------- ---------------- ---------- ---------------- ---------------- ---------- ----
OUT_A1.1FRST      S_A1.1FRST       1                335.644    TABULAR/DEPTH    SS_A1.1FRST                 NO
OUT_A2.1FRST      S_A2.1FRST       3                333.57     TABULAR/DEPTH    SS_A2.1FRST                 NO
OUT_A2.2FRST      S_A2.2FRST       3                333.57     TABULAR/DEPTH    SS_A2.2FRST                 NO
OUT_A3.1FRST      S_A3.1FRST       6                332        TABULAR/DEPTH    SS_A3.1FRST                 NO
OUT_A3.2FRST      S_A3.2FRST       6                332        TABULAR/DEPTH    SS_A3.2FRST                 NO
OUT_A3.3FRST      S_A3.3FRST       28               326.6      TABULAR/DEPTH    SS_A3.3FRST                 NO
OUT_A4.1FRST      S_A4.1FRST       9                323.404    TABULAR/DEPTH    SS_A4.1FRST                 NO
OUT_A4.2FRST      S_A4.2FRST       9                323.404    TABULAR/DEPTH    SS_A4.2FRST                 NO
OUT_A4.3FRST      S_A4.3FRST       8                323.964    TABULAR/DEPTH    SS_A4.3FRST                 NO
OUT_A4.4FRST      S_A4.4FRST       8                323.964    TABULAR/DEPTH    SS_A4.4FRST                 NO
OUT_A4.5FRST      S_A4.5FRST       2                327        TABULAR/DEPTH    SS_A4.5FRST                 NO
OUT_A4.6FRST      S_A4.6FRST       2                327        TABULAR/DEPTH    SS_A4.6FRST                 NO
OUT_B1.1FRST      S_B1.1FRST       4                328        TABULAR/DEPTH    SS_B1.1FRST                 NO
OUT_B2.1FRST      S_B2.1FRST       18               325.5      TABULAR/DEPTH    SS_B2.1FRST                 NO
OUT_C1.1FRST      S_C1.1FRST       40               322.1      TABULAR/DEPTH    SS_C1.1FRST                 NO
OUT_D1.1FRST      S_D1.1FRST       27               329.5      TABULAR/DEPTH    SS_D1.1FRST                 NO
OUT_D2.1FRST      S_D2.1FRST       21               324.1      TABULAR/DEPTH    SS_D2.1FRST                 NO
OUT_D4.1FRST      S_D4.1FRST       50               321.1      TABULAR/DEPTH    SS_D4.1FRST                 NO
OUT_E1.1FRST      S_E1.1FRST       53               317.1      TABULAR/DEPTH    SS_E1.1FRST                 NO
OUT_E2.1FRST      S_E2.1FRST       15               316.95     TABULAR/DEPTH    SS_E2.1FRST                 NO

[XSECTIONS]
;;Link           Shape        Geom1            Geom2      Geom3      Geom4      Barrels
;;-------------- ------------ ---------------- ---------- ---------- ---------- ----------
1                TRAPEZOIDAL  3                2          1          1          1
10               TRAPEZOIDAL  3                2          1          1          1
11               TRAPEZOIDAL  3                2          1          1          1
12               RECT_CLOSED  2                2          0          0          1
13               TRAPEZOIDAL  3                2          1          1          1
14               TRAPEZOIDAL  3                2          1          1          1
15               TRAPEZOIDAL  3                2          1          1          1
16               TRAPEZOIDAL  3                2          1          1          1
17               TRAPEZOIDAL  3                2          1          1          1
18               TRAPEZOIDAL  3                2          1          1          1
19               TRAPEZOIDAL  3                2          1          1          1
2                TRAPEZOIDAL  3                2          1          1          1
20               TRAPEZOIDAL  3                2          1          1          1
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21	TRAPEZOIDAL	3	3	1	1	1
22	TRAPEZOIDAL	3	2	1	1	1
23	TRAPEZOIDAL	3	2	1	1	1
24	TRAPEZOIDAL	3	2	1	1	1
25	TRAPEZOIDAL	3	2	1	1	1
26	TRAPEZOIDAL	3	2	1	1	1
27	TRAPEZOIDAL	3	2	1	1	1
28	TRAPEZOIDAL	3	2	1	1	1
29	TRAPEZOIDAL	3	2	1	1	1
3	TRAPEZOIDAL	3	2	1	1	1
30	TRAPEZOIDAL	3	2	1	1	1
31	TRAPEZOIDAL	3	2	1	1	1
32	TRAPEZOIDAL	3	2	1	1	1
33	TRAPEZOIDAL	3	2	1	1	1
34	TRAPEZOIDAL	3	2	1	1	1
35	TRAPEZOIDAL	3	2	1	1	1
36	TRAPEZOIDAL	3	2	1	1	1
37	TRAPEZOIDAL	3	2	1	1	1
38	TRAPEZOIDAL	3	2	1	1	1
39	TRAPEZOIDAL	3	2	1	1	1
4	TRAPEZOIDAL	3	2	1	1	1
40	TRAPEZOIDAL	3	2	1	1	1
41	TRAPEZOIDAL	3	2	1	1	1
43	TRAPEZOIDAL	3	2	1	1	1
44	TRAPEZOIDAL	3	2	1	1	1
45	RECT_OPEN	2	15	1	0	1
46	RECT_OPEN	2	15	1	0	1
47	TRAPEZOIDAL	3	2	1	1	1
48	TRAPEZOIDAL	3	2	1	1	1
49	RECT_OPEN	2	15	1	0	1
5	TRAPEZOIDAL	3	2	1	1	1
50	TRAPEZOIDAL	3	2	1	1	1
51	RECT_OPEN	2	15	1	0	1
52	TRAPEZOIDAL	3	2	1	1	1
53	RECT_OPEN	2	15	1	0	1
54	TRAPEZOIDAL	3	2	1	1	1
55	RECT_OPEN	2	15	1	0	1
56	RECT_OPEN	2	15	1	0	1
57	TRAPEZOIDAL	3	2	1	1	1
58	TRAPEZOIDAL	3	2	1	1	1
59	RECT_OPEN	2	15	1	0	1

6	TRAPEZOIDAL	3	2	1	1	1
60	TRAPEZOIDAL	3	2	1	1	1
61	RECT_OPEN	2	15	1	0	1
62	RECT_OPEN	2	15	1	0	1
63	TRAPEZOIDAL	3	2	1	1	1
64	RECT_OPEN	2	15	1	0	1
65	TRAPEZOIDAL	3	2	1	1	1
66	RECT_OPEN	2	15	1	0	1
67	RECT_OPEN	2	15	1	0	1
68	TRAPEZOIDAL	3	2	1	1	1
7	TRAPEZOIDAL	3	2	1	1	1
70	TRAPEZOIDAL	3	2	1	1	1
8	TRAPEZOIDAL	4	2	1	1	1
9	TRAPEZOIDAL	3	2	1	1	1
PWOPRSES0001498	CIRCULAR	2	0	0	0	1
PWOPRSES0001507	CIRCULAR	2	0	0	0	1
PWOPRSES0001510	CIRCULAR	2	0	0	0	1
PWOPRSES0001511	CIRCULAR	2	0	0	0	1
PWOPRSES0001512	CIRCULAR	2	0	0	0	1
PWOPRSES0001515	CIRCULAR	2	0	0	0	1
PWOPRSES0001516	CIRCULAR	2	0	0	0	1
PWOPRSES0001518	CIRCULAR	2	0	0	0	1
PWOPRSES0001519	HORIZ_ELLIPSE	2	1.15	0	0	1
PWOPRSES0001520	CIRCULAR	2	0	0	0	1
PWOPRSES0001521	CIRCULAR	2	0	0	0	1
PWOPRSES0001522	CIRCULAR	2	0	0	0	1
PWOPRSES0001524	CIRCULAR	2	0	0	0	1
PWOPRSES0001525	CIRCULAR	2	0	0	0	1
PWOPRSES0001530	HORIZ_ELLIPSE	2	1.15	0	0	1
PWOPRSES0001534	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001535	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001536	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001537	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001538	CIRCULAR	2	0	0	0	1
PWOPRSES0001541	CIRCULAR	2	0	0	0	1
PWOPRSES0001542	CIRCULAR	2	0	0	0	1
PWOPRSES0001543	CIRCULAR	3	0	0	0	1
PWOPRSES0001544	CIRCULAR	3	0	0	0	1
PWOPRSES0001545	CIRCULAR	2	0	0	0	1
PWOPRSES0001546	CIRCULAR	2	0	0	0	1
PWOPRSES0001547	CIRCULAR	2	0	0	0	1

PWOPRSES0001548	CIRCULAR	2	0	0	0	1
PWOPRSES0001551	CIRCULAR	2	0	0	0	1
PWOPRSES0001555	CIRCULAR	2	0	0	0	1
PWOPRSES0001556	CIRCULAR	2	0	0	0	1
PWOPRSES0001557	CIRCULAR	2.5	0	0	0	1
PWOPRSES0001558	CIRCULAR	2.5	0	0	0	1
PWOPRSES0001559	CIRCULAR	2	0	0	0	1
PWOPRSES0001564	CIRCULAR	2	0	0	0	1
PWOPRSES0001565	CIRCULAR	2.5	0	0	0	1
PWOPRSES0001566	CIRCULAR	2.5	0	0	0	1
PWOPRSES0001567	CIRCULAR	2.5	0	0	0	1
PWOPRSES0001571	CIRCULAR	2	0	0	0	1
PWOPRSES0001572	CIRCULAR	2	0	0	0	1
PWOPRSES0001575	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001576	CIRCULAR	2	0	0	0	1
PWOPRSES0001577	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001579	CIRCULAR	2	0	0	0	1
PWOPRSES0001580	CIRCULAR	2	0	0	0	1
PWOPRSES0001581	CIRCULAR	2	0	0	0	1
PWOPRSES0001582	CIRCULAR	2	0	0	0	1
PWOPRSES0001583	CIRCULAR	2	0	0	0	1
PWOPRSES0001584	CIRCULAR	2	0	0	0	1
PWOPRSES0001585	CIRCULAR	2	0	0	0	1
PWOPRSES0001586	CIRCULAR	2	0	0	0	1
PWOPRSES0001587	CIRCULAR	2	0	0	0	1
PWOPRSES0001633	CIRCULAR	2	0	0	0	1
PWOPRSES0001634	CIRCULAR	2	0	0	0	1
PWOPRSES0001654	CIRCULAR	2	0	0	0	1
PWOPRSES0001655	CIRCULAR	2	0	0	0	1
PWOPRSES0001656	CIRCULAR	2	0	0	0	1
PWOPRSES0001658	CIRCULAR	2	0	0	0	1
PWOPRSES0001660	CIRCULAR	2	0	0	0	1
PWOPRSES0001662	CIRCULAR	2	0	0	0	1
PWOPRSES0001663	CIRCULAR	2	0	0	0	1
PWOPRSES0001667	CIRCULAR	2	0	0	0	1
PWOPRSES0001679	CIRCULAR	2	0	0	0	1
PWOPRSES0001680	CIRCULAR	2	0	0	0	1
PWOPRSES0001681	CIRCULAR	2	0	0	0	1
PWOPRSES0001682	CIRCULAR	2	0	0	0	1
PWOPRSES0001684	CIRCULAR	2	0	0	0	1
PWOPRSES0001687	CIRCULAR	2	0	0	0	1

PWOPRSES0001688	CIRCULAR	2	0	0	0	1
PWOPRSES0001698	CIRCULAR	2	0	0	0	1
PWOPRSES0001699	CIRCULAR	2	0	0	0	1
PWOPRSES0001711	CIRCULAR	2	0	0	0	1
PWOPRSES0001712	CIRCULAR	2	0	0	0	1
PWOPRSES0001713	CIRCULAR	2	0	0	0	1
PWOPRSES0001718	CIRCULAR	2	0	0	0	1
PWOPRSES0001720	CIRCULAR	2	0	0	0	1
PWOPRSES0001721	CIRCULAR	2	0	0	0	1
PWOPRSES0001724	HORIZ_ELLIPSE	2	1.73	0	0	1
PWOPRSES0001725	HORIZ_ELLIPSE	2	1.73	0	0	1
PWOPRSES0001728	HORIZ_ELLIPSE	2	1.73	0	0	1
PWOPRSES0001730	HORIZ_ELLIPSE	2	1.92	0	0	1
PWOPRSES0001732	CIRCULAR	2	0	0	0	1
PWOPRSES0001733	CIRCULAR	2	0	0	0	1
PWOPRSES0001744	CIRCULAR	2	0	0	0	1
PWOPRSES0001745	CIRCULAR	2	0	0	0	1
PWOPRSES0001747	CIRCULAR	2	0	0	0	1
PWOPRSES0001748	CIRCULAR	2	0	0	0	1
PWOPRSES0001750	CIRCULAR	2	0	0	0	1
PWOPRSES0001753	CIRCULAR	2	0	0	0	1
PWOPRSES0001754	CIRCULAR	2	0	0	0	1
PWOPRSES0001755	CIRCULAR	2	0	0	0	1
PWOPRSES0001756	CIRCULAR	2	0	0	0	1
PWOPRSES0001757	CIRCULAR	2	0	0	0	1
PWOPRSES0001758	CIRCULAR	2	0	0	0	1
PWOPRSES0001759	CIRCULAR	2	0	0	0	1
PWOPRSES0001760	CIRCULAR	2	0	0	0	1
PWOPRSES0001761	CIRCULAR	2	0	0	0	1
PWOPRSES0001765A	CIRCULAR	2	0	0	0	1
PWOPRSES0001765B	CIRCULAR	2	0	0	0	1
PWOPRSES0001766	CIRCULAR	2	0	0	0	1
PWOPRSES0001768	CIRCULAR	2	0	0	0	1
PWOPRSES0001770	CIRCULAR	2	0	0	0	1
PWOPRSES0001771	CIRCULAR	2	0	0	0	1
PWOPRSES0001774	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001775	HORIZ_ELLIPSE	3	1.345	0	0	1
PWOPRSES0001776	CIRCULAR	2	0	0	0	1
PWOPRSES0001777	CIRCULAR	2	0	0	0	1
PWOPRSES0001778	CIRCULAR	2	0	0	0	1
PWOPRSES0001779	HORIZ_ELLIPSE	2	1.345	0	0	1

PWOPRSES0001780	CIRCULAR	2	0	0	0	1
PWOPRSES0001781	CIRCULAR	2	0	0	0	1
PWOPRSES0001782	CIRCULAR	2	0	0	0	1
PWOPRSES0001783	CIRCULAR	2	0	0	0	1
PWOPRSES0001784	CIRCULAR	2	0	0	0	1
PWOPRSES0001785	CIRCULAR	2	0	0	0	1
PWOPRSES0001786	CIRCULAR	2	0	0	0	1
PWOPRSES0001790	CIRCULAR	2	0	0	0	1
PWOPRSES0001791	CIRCULAR	2	0	0	0	1
PWOPRSES0001797	CIRCULAR	2	0	0	0	1
PWOPRSES0001798	CIRCULAR	3	0	0	0	1
PWOPRSES0001803	CIRCULAR	2	0	0	0	1
PWOPRSES0001806	CIRCULAR	2	0	0	0	1
PWOPRSES0001807	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001808	CIRCULAR	2	0	0	0	1
PWOPRSES0001809	CIRCULAR	2	0	0	0	1
PWOPRSES0001810	CIRCULAR	2	0	0	0	1
PWOPRSES0001812	CIRCULAR	2	0	0	0	1
PWOPRSES0001819	CIRCULAR	2	0	0	0	1
PWOPRSES0001821	CIRCULAR	2	0	0	0	1
PWOPRSES0001822	CIRCULAR	2	0	0	0	1
PWOPRSES0001823	CIRCULAR	2	0	0	0	1
PWOPRSES0001824	CIRCULAR	2	0	0	0	1
PWOPRSES0001825	CIRCULAR	2	0	0	0	1
PWOPRSES0001826	CIRCULAR	2	0	0	0	1
PWOPRSES0001827	CIRCULAR	2	0	0	0	1
PWOPRSES0001828	CIRCULAR	2	0	0	0	1
PWOPRSES0001829	HORIZ_ELLIPSE	3	1.52	0	0	1
PWOPRSES0001840	CIRCULAR	2	0	0	0	1
PWOPRSES0001841	CIRCULAR	2	0	0	0	1
PWOPRSES0001842	CIRCULAR	2	0	0	0	1
PWOPRSES0001844	CIRCULAR	2	0	0	0	1
PWOPRSES0001845	CIRCULAR	2	0	0	0	1
PWOPRSES0001855	CIRCULAR	2	0	0	0	1
PWOPRSES0001856	CIRCULAR	2	0	0	0	1
PWOPRSES0001861	CIRCULAR	2	0	0	0	1
PWOPRSES0001862	CIRCULAR	2	0	0	0	1
PWOPRSES0001865	CIRCULAR	2	0	0	0	1
PWOPRSES0001866	CIRCULAR	2	0	0	0	1
PWOPRSES0001868	CIRCULAR	2	0	0	0	1
PWOPRSES0001890	CIRCULAR	2	0	0	0	1

PWOPRSES0001891	CIRCULAR	2	0	0	0	1
PWOPRSES0001892	CIRCULAR	2	0	0	0	1
PWOPRSES0001895	CIRCULAR	2	0	0	0	1
PWOPRSES0001896	CIRCULAR	2	0	0	0	1
PWOPRSES0001897	CIRCULAR	2	0	0	0	1
PWOPRSES0001899	CIRCULAR	2	0	0	0	1
PWOPRSES0001900	CIRCULAR	2	0	0	0	1
PWOPRSES0001904	CIRCULAR	2	0	0	0	1
PWOPRSES0001905	CIRCULAR	2	0	0	0	1
PWOPRSES0001906	CIRCULAR	2	0	0	0	1
PWOPRSES0001919	CIRCULAR	2	0	0	0	1
PWOPRSES0001930	CIRCULAR	2	0	0	0	1
PWOPRSES0001931	CIRCULAR	2	0	0	0	1
PWOPRSES0001932	CIRCULAR	2	0	0	0	1
PWOPRSES0001941	CIRCULAR	2	0	0	0	1
PWOPRSES0001942	CIRCULAR	2	0	0	0	1
PWOPRSES0001943	CIRCULAR	2	0	0	0	1
PWOPRSES0001944	CIRCULAR	2	0	0	0	1
PWOPRSES0001951	CIRCULAR	2	0	0	0	1
PWOPRSES0001952	CIRCULAR	2	0	0	0	1
PWOPRSES0001960	CIRCULAR	2	0	0	0	1
PWOPRSES0001961	CIRCULAR	2	0	0	0	1
PWOPRSES0001962	CIRCULAR	2	0	0	0	1
PWOPRSES0001963	CIRCULAR	2	0	0	0	1
PWOPRSES0001968	CIRCULAR	2	0	0	0	1
PWOPRSES0001972	CIRCULAR	2	0	0	0	1
PWOPRSES0001976	CIRCULAR	2.5	0	0	0	1
PWOPRSES0001977	CIRCULAR	2	0	0	0	1
PWOPRSES0001978	CIRCULAR	3	0	0	0	1
PWOPRSES0001979	CIRCULAR	2	0	0	0	1
PWOPRSES0001984	CIRCULAR	2.5	0	0	0	1
PWOPRSES0002119	CIRCULAR	2	0	0	0	1
PWOPRSES0002120	CIRCULAR	2	0	0	0	1
PWOPRSES0002121	CIRCULAR	2	0	0	0	1
PWOPRSES0002122	CIRCULAR	2	0	0	0	1
PWOPRSES0003435	CIRCULAR	2	0	0	0	1
PWOPRSES0003436	CIRCULAR	2	0	0	0	1
PWOPRSES0003439	CIRCULAR	2	0	0	0	1
PWOPRSES0003446	CIRCULAR	2	0	0	0	1
PWOPRSES0003447	CIRCULAR	2	0	0	0	1
PWOPRSES0003448	CIRCULAR	2	0	0	0	1

PWOPRSES0003449	CIRCULAR	2	0	0	0	1
PWOPRSES0003457	CIRCULAR	2	0	0	0	1
PWOPRSES0003465	CIRCULAR	2	0	0	0	1
PWOPRSES0003466	CIRCULAR	2	0	0	0	1
PWOPRSES0004584	CIRCULAR	2	0	0	0	1
PWOPRSES0004585	CIRCULAR	2	0	0	0	1
PWOPRSES0004586	CIRCULAR	2	0	0	0	1
PWOPRSES0004587	CIRCULAR	2	0	0	0	1
PWOPRSES0004588	CIRCULAR	2	0	0	0	1
PWOPRSES0004589	CIRCULAR	2	0	0	0	1
PWOPRSES0004590	CIRCULAR	2	0	0	0	1
PWOPRSES0004591	HORIZ_ELLIPSE	2	1.535	0	0	1
PWOPRSES0004592	HORIZ_ELLIPSE	2	1.535	0	0	1
PWOPRSES0004593	CIRCULAR	2	0	0	0	1
PWOPRSES0004594	HORIZ_ELLIPSE	2	1.535	0	0	1
PWOPRSES0004597	CIRCULAR	2	0	0	0	1
PWOPRSES0004603	CIRCULAR	2	0	0	0	1
PWOPRSES0004637	CIRCULAR	2	0	0	0	1
PWOPRSES0005529	CIRCULAR	2	0	0	0	1
PWOPRSES0005530	CIRCULAR	2	0	0	0	1
PWOPRSES0005531	CIRCULAR	2	0	0	0	1
PWOPRSES0005532	CIRCULAR	2	0	0	0	1
PWOPRSES0005534	CIRCULAR	2	0	0	0	1
PWOPRSES0005535	CIRCULAR	2	0	0	0	1
PWOPRSES0005536	CIRCULAR	2	0	0	0	1
PWOPRSES0005537	CIRCULAR	2	0	0	0	1
PWOPRSES0005539	CIRCULAR	2	0	0	0	1
PWOPRSES0005540	CIRCULAR	2	0	0	0	1
PWOPRSES0005541	CIRCULAR	2	0	0	0	1
PWOPRSES0005710	HORIZ_ELLIPSE	3	1.92	0	0	1
PWOPRSES0005734	CIRCULAR	2	0	0	0	1
PWOPRSES0005735	CIRCULAR	2	0	0	0	1
PWOPRSES0005736	CIRCULAR	2	0	0	0	1
PWOPRSES0005739	CIRCULAR	2	0	0	0	1
PWOPRSES0005744	CIRCULAR	2	0	0	0	1
PWOPRSES0005766	CIRCULAR	2	0	0	0	1
PWOPRSES0005767	CIRCULAR	2	0	0	0	1
PWOPRSES0005768	CIRCULAR	2	0	0	0	1
PWOPRSES0005769	CIRCULAR	3	0	0	0	1
PWOPRSES0005770	CIRCULAR	2	0	0	0	1
PWOPRSES0005771	CIRCULAR	2	0	0	0	1

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PWOPRSES0006537  CIRCULAR     2                0          0          0          1
PWOPRSES0006538  CIRCULAR     2                0          0          0          1
PWOPRSES0006542  CIRCULAR     2                0          0          0          1
PWOPRSES0006547  CIRCULAR     2                0          0          0          1
PWOPRSES0006548  CIRCULAR     2                0          0          0          1
PWOPRSES0006549  CIRCULAR     2                0          0          0          1
PWOPRSES0006550  CIRCULAR     2                0          0          0          1
PWOPRSES0006551  CIRCULAR     2                0          0          0          1
PWOPRSES0006552  CIRCULAR     2                0          0          0          1
PWOPRSES0006553  CIRCULAR     3                0          0          0          1
PWOPRSES0006554  CIRCULAR     2                0          0          0          1
PWOPRSES0006555  CIRCULAR     2                0          0          0          1
PWOPRSES0006576  CIRCULAR     2                0          0          0          1
PWOPRSES0006577  CIRCULAR     2                0          0          0          1
STMEasement      CIRCULAR     2                0          0          0          1
SWMPOND_OUT      CIRCULAR     3                0          0          0          1

[TRANSECTS]
;;Transect Data in HEC-2 format
;
;Full street, width = 8m, curb = 0.15m , cross-slope = 0.02m/m, bank-slope = 0.02m/m, bank-height = 0.3m.
NC 0.03     0.03     0.013
X1 2LaneRd           7        7.5      15.5     0.0      0.0      0.0      0.0      0.0
GR 0.3      0        0.15     7.5      0        7.5      0.08     11.5     0        15.5
GR 0.15     15.5     0.3      23
;
;Full street, width = 16m, curb = 0.15m , cross-slope = 0.02m/m, bank-slope = 0.02m/m, bank-height = 0.30m.
NC 0.03     0.03     0.013
X1 4LaneRd           7        7.5      23.5     0.0      0.0      0.0      0.0      0.0
GR 0.3      0        0.15     7.5      0        7.5      0.16     15.5     0        23.5
GR 0.15     23.5     0.3      31

[LOSSES]
;;Link           Inlet      Outlet     Average    Flap Gate  SeepageRate
;;-------------- ---------- ---------- ---------- ---------- ----------
PWOPRSES0001498  0          0.15       0          NO         0
PWOPRSES0001507  0          0.15       0          NO         0
PWOPRSES0001510  0          1          0          NO         0
PWOPRSES0001511  0          0.15       0          NO         0
PWOPRSES0001512  0          0.15       0          NO         0
PWOPRSES0001515  0          0.15       0          NO         0
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PWOPRSES0001516	0	0.15	0	NO	0
PWOPRSES0001518	0	0.15	0	NO	0
PWOPRSES0001519	0	0.15	0	NO	0
PWOPRSES0001520	0	1	0	NO	0
PWOPRSES0001521	0	0.15	0	NO	0
PWOPRSES0001522	0	0.15	0	NO	0
PWOPRSES0001524	0	1	0	NO	0
PWOPRSES0001525	0	0.15	0	NO	0
PWOPRSES0001530	0	0.15	0	NO	0
PWOPRSES0001534	0	0.15	0	NO	0
PWOPRSES0001535	0	0.15	0	NO	0
PWOPRSES0001536	0	0.15	0	NO	0
PWOPRSES0001537	0	0.15	0	NO	0
PWOPRSES0001538	0	1	0	NO	0
PWOPRSES0001541	0	0.15	0	NO	0
PWOPRSES0001542	0	1	0	NO	0
PWOPRSES0001543	0	0.15	0	NO	0
PWOPRSES0001544	0	0.15	0	NO	0
PWOPRSES0001545	0	0.15	0	NO	0
PWOPRSES0001546	0	0.75	0	NO	0
PWOPRSES0001547	0	0.75	0	NO	0
PWOPRSES0001548	0	0.15	0	NO	0
PWOPRSES0001551	0	0.75	0	NO	0
PWOPRSES0001555	0	0.15	0	NO	0
PWOPRSES0001556	0	0.75	0	NO	0
PWOPRSES0001557	0	1	0	NO	0
PWOPRSES0001558	0	0.75	0	NO	0
PWOPRSES0001559	0	0.15	0	NO	0
PWOPRSES0001564	0	1	0	NO	0
PWOPRSES0001565	0	0.75	0	NO	0
PWOPRSES0001566	0	0.75	0	NO	0
PWOPRSES0001572	0	0.75	0	NO	0
PWOPRSES0001575	0	0.15	0	NO	0
PWOPRSES0001576	0	0.15	0	NO	0
PWOPRSES0001577	0	1	0	NO	0
PWOPRSES0001579	0	0.15	0	NO	0
PWOPRSES0001580	0	0.15	0	NO	0
PWOPRSES0001581	0	0.15	0	NO	0
PWOPRSES0001582	0	0.15	0	NO	0
PWOPRSES0001583	0	0.15	0	NO	0
PWOPRSES0001584	0	1	0	NO	0

PWOPRSES0001585	0	1	0	NO	0
PWOPRSES0001586	0	1	0	NO	0
PWOPRSES0001587	0	0.15	0	NO	0
PWOPRSES0001633	0	1	0	NO	0
PWOPRSES0001634	0	1	0	NO	0
PWOPRSES0001654	0	0.75	0	NO	0
PWOPRSES0001655	0	1	0	NO	0
PWOPRSES0001656	0	0.15	0	NO	0
PWOPRSES0001658	0	0.85	0	NO	0
PWOPRSES0001660	0	1	0	NO	0
PWOPRSES0001662	0	0.75	0	NO	0
PWOPRSES0001679	0	1	0	NO	0
PWOPRSES0001680	0	1	0	NO	0
PWOPRSES0001681	0	0.15	0	NO	0
PWOPRSES0001682	0	0.15	0	NO	0
PWOPRSES0001684	0	1	0	NO	0
PWOPRSES0001687	0	0.85	0	NO	0
PWOPRSES0001688	0	0.75	0	NO	0
PWOPRSES0001698	0	0.75	0	NO	0
PWOPRSES0001699	0	0.75	0	NO	0
PWOPRSES0001711	0	0.15	0	NO	0
PWOPRSES0001712	0	0.75	0	NO	0
PWOPRSES0001713	0	0.75	0	NO	0
PWOPRSES0001724	0	0.85	0	NO	0
PWOPRSES0001725	0	0.75	0	NO	0
PWOPRSES0001728	0	0.75	0	NO	0
PWOPRSES0001730	0	0.15	0	NO	0
PWOPRSES0001732	0	0.75	0	NO	0
PWOPRSES0001733	0	0.75	0	NO	0
PWOPRSES0001744	0	0.75	0	NO	0
PWOPRSES0001745	0	0.75	0	NO	0
PWOPRSES0001747	0	0.15	0	NO	0
PWOPRSES0001748	0	0.15	0	NO	0
PWOPRSES0001750	0	0.75	0	NO	0
PWOPRSES0001753	0	0.75	0	NO	0
PWOPRSES0001754	0	1	0	NO	0
PWOPRSES0001755	0	0.45	0	NO	0
PWOPRSES0001756	0	0.75	0	NO	0
PWOPRSES0001757	0	0.45	0	NO	0
PWOPRSES0001758	0	0.15	0	NO	0
PWOPRSES0001759	0	0.75	0	NO	0

PWOPRSES0001760	0	0.75	0	NO	0
PWOPRSES0001761	0	0.75	0	NO	0
PWOPRSES0001765A	0	0.15	0	NO	0
PWOPRSES0001765B	0	0.15	0	NO	0
PWOPRSES0001768	0	0.75	0	NO	0
PWOPRSES0001770	0	0.75	0	NO	0
PWOPRSES0001771	0	0.75	0	NO	0
PWOPRSES0001775	0	0.15	0	NO	0
PWOPRSES0001776	0	0.15	0	NO	0
PWOPRSES0001777	0	0.75	0	NO	0
PWOPRSES0001778	0	0.75	0	NO	0
PWOPRSES0001779	0	0.75	0	NO	0
PWOPRSES0001780	0	0.75	0	NO	0
PWOPRSES0001781	0	0.75	0	NO	0
PWOPRSES0001782	0	0.75	0	NO	0
PWOPRSES0001783	0	0.15	0	NO	0
PWOPRSES0001784	0	0.15	0	NO	0
PWOPRSES0001785	0	1	0	NO	0
PWOPRSES0001786	0	0.15	0	NO	0
PWOPRSES0001797	0	0.75	0	NO	0
PWOPRSES0001798	0	0.15	0	NO	0
PWOPRSES0001803	0	0.15	0	NO	0
PWOPRSES0001806	0	0.15	0	NO	0
PWOPRSES0001807	0	0.15	0	NO	0
PWOPRSES0001808	0	1	0	NO	0
PWOPRSES0001809	0	0.15	0	NO	0
PWOPRSES0001810	0	1	0	NO	0
PWOPRSES0001812	0	1	0	NO	0
PWOPRSES0001819	0	0.15	0	NO	0
PWOPRSES0001821	0	0.15	0	NO	0
PWOPRSES0001822	0	0.85	0	NO	0
PWOPRSES0001823	0	0.75	0	NO	0
PWOPRSES0001824	0	0.75	0	NO	0
PWOPRSES0001825	0	0.15	0	NO	0
PWOPRSES0001826	0	0.75	0	NO	0
PWOPRSES0001827	0	0.15	0	NO	0
PWOPRSES0001828	0	1	0	NO	0
PWOPRSES0001829	0	0.15	0	NO	0
PWOPRSES0001844	0	0.75	0	NO	0
PWOPRSES0001845	0	0.15	0	NO	0
PWOPRSES0001855	0	0.75	0	NO	0

PWOPRSES0001856	0	1	0	NO	0
PWOPRSES0001861	0	0.15	0	NO	0
PWOPRSES0001862	0	0.75	0	NO	0
PWOPRSES0001865	0	0.15	0	NO	0
PWOPRSES0001866	0	1	0	NO	0
PWOPRSES0001868	0	0.75	0	NO	0
PWOPRSES0001890	0	0.15	0	NO	0
PWOPRSES0001891	0	0.75	0	NO	0
PWOPRSES0001892	0	0.75	0	NO	0
PWOPRSES0001895	0	0.75	0	NO	0
PWOPRSES0001896	0	0.15	0	NO	0
PWOPRSES0001897	0	0.85	0	NO	0
PWOPRSES0001899	0	0.75	0	NO	0
PWOPRSES0001900	0	0.15	0	NO	0
PWOPRSES0001904	0	1	0	NO	0
PWOPRSES0001905	0	0.15	0	NO	0
PWOPRSES0001906	0	1	0	NO	0
PWOPRSES0001919	0	0.45	0	NO	0
PWOPRSES0001930	0	1	0	NO	0
PWOPRSES0001931	0	0.15	0	NO	0
PWOPRSES0001932	0	0.15	0	NO	0
PWOPRSES0001941	0	0.15	0	NO	0
PWOPRSES0001942	0	0.15	0	NO	0
PWOPRSES0001943	0	0.15	0	NO	0
PWOPRSES0001944	0	0.15	0	NO	0
PWOPRSES0001951	0	0.15	0	NO	0
PWOPRSES0001952	0	0.15	0	NO	0
PWOPRSES0001960	0	0.15	0	NO	0
PWOPRSES0001961	0	0.15	0	NO	0
PWOPRSES0001962	0	1	0	NO	0
PWOPRSES0001963	0	0.15	0	NO	0
PWOPRSES0001968	0	0.15	0	NO	0
PWOPRSES0001972	0	0.75	0	NO	0
PWOPRSES0001976	0	0.15	0	NO	0
PWOPRSES0001977	0	0.75	0	NO	0
PWOPRSES0001978	0	0.15	0	NO	0
PWOPRSES0001979	0	0.75	0	NO	0
PWOPRSES0001984	0	0.15	0	NO	0
PWOPRSES0002119	0	0.75	0	NO	0
PWOPRSES0002120	0	0.75	0	NO	0
PWOPRSES0002121	0	0.75	0	NO	0

PWOPRSES0002122	0	0.75	0	NO	0
PWOPRSES0003435	0	0.75	0	NO	0
PWOPRSES0003436	0	0.75	0	NO	0
PWOPRSES0003439	0	0.75	0	NO	0
PWOPRSES0003446	0	0.45	0	NO	0
PWOPRSES0003447	0	0.75	0	NO	0
PWOPRSES0003448	0	0.75	0	NO	0
PWOPRSES0003449	0	0.75	0	NO	0
PWOPRSES0003457	0	0.75	0	NO	0
PWOPRSES0003465	0	0.75	0	NO	0
PWOPRSES0003466	0	0.75	0	NO	0
PWOPRSES0004584	0	0.75	0	NO	0
PWOPRSES0004585	0	0.75	0	NO	0
PWOPRSES0004586	0	0.75	0	NO	0
PWOPRSES0004587	0	0.75	0	NO	0
PWOPRSES0004588	0	0.75	0	NO	0
PWOPRSES0004589	0	0.75	0	NO	0
PWOPRSES0004590	0	0.75	0	NO	0
PWOPRSES0004591	0	0.15	0	NO	0
PWOPRSES0004592	0	0.75	0	NO	0
PWOPRSES0004593	0	1	0	NO	0
PWOPRSES0004594	0	0.15	0	NO	0
PWOPRSES0004603	0	0.15	0	NO	0
PWOPRSES0004637	0	0.15	0	NO	0
PWOPRSES0005529	0	1	0	NO	0
PWOPRSES0005530	0	0.85	0	NO	0
PWOPRSES0005531	0	0.45	0	NO	0
PWOPRSES0005532	0	0.15	0	NO	0
PWOPRSES0005534	0	0.75	0	NO	0
PWOPRSES0005535	0	0.75	0	NO	0
PWOPRSES0005536	0	0.45	0	NO	0
PWOPRSES0005537	0	0.15	0	NO	0
PWOPRSES0005539	0	0.85	0	NO	0
PWOPRSES0005540	0	0.75	0	NO	0
PWOPRSES0005541	0	0.45	0	NO	0
PWOPRSES0005710	0	0.15	0	NO	0
PWOPRSES0005734	0	0.75	0	NO	0
PWOPRSES0005735	0	0.85	0	NO	0
PWOPRSES0005736	0	0.45	0	NO	0
PWOPRSES0005739	0	0.15	0	NO	0
PWOPRSES0005744	0	0.75	0	NO	0

```
PWOPRSES0005766  0          0.45       0          NO         0
PWOPRSES0005767  0          0.15       0          NO         0
PWOPRSES0005768  0          0.15       0          NO         0
PWOPRSES0005769  0          0.15       0          NO         0
PWOPRSES0005770  0          0.15       0          NO         0
PWOPRSES0005771  0          1          0          NO         0
PWOPRSES0006537  0          1          0          NO         0
PWOPRSES0006538  0          1          0          NO         0
PWOPRSES0006542  0          1          0          NO         0
PWOPRSES0006547  0          0.15       0          NO         0
PWOPRSES0006548  0          1          0          NO         0
PWOPRSES0006549  0          0.15       0          NO         0
PWOPRSES0006550  0          0.15       0          NO         0
PWOPRSES0006551  0          1          0          NO         0
PWOPRSES0006552  0          1          0          NO         0
PWOPRSES0006553  0          0.15       0          NO         0
PWOPRSES0006554  0          1          0          NO         0
PWOPRSES0006555  0          0.15       0          NO         0
PWOPRSES0006576  0          0.15       0          NO         0
PWOPRSES0006577  0          0.15       0          NO         0
STMEasement      0          0.15       0          NO         0

[CURVES]
;;Name           Type       X-Value    Y-Value
;;-------------- ---------- ---------- ----------
10CBs            Rating     0          0
10CBs                       0.02       0.6
10CBs                       0.3        0.6

11CBs            Rating     0          0
11CBs                       0.02       0.66
11CBs                       0.3        0.66

12CBs            Rating     0          0
12CBs                       0.02       0.72
12CBs                       0.3        0.72

13CBs            Rating     0          0
13CBs                       0.02       0.78
13CBs                       0.3        0.78
```

```
14CBs           Rating     0          0
14CBs                      0.02       0.84
14CBs                      0.3        0.84

15CBs           Rating     0          0
15CBs                      0.02       0.9
15CBs                      0.3        0.9

16CBs           Rating     0          0
16CBs                      0.02       0.96
16CBs                      0.3        0.96

17CBs           Rating     0          0
17CBs                      0.02       1.02
17CBs                      0.3        1.02

18CBs           Rating     0          0
18CBs                      0.02       1.08
18CBs                      0.3        1.08

1CBs            Rating     0          0
1CBs                       0.01       0.06
1CBs                       0.3        0.06

21CBs           Rating     0          0
21CBs                      0.02       1.26
21CBs                      0.3        1.26

27CBs           Rating     0          0
27CBs                      0.02       1.62
27CBs                      0.3        1.62

2CBs            Rating     0          0
2CBs                       0.01       0.12
2CBs                       0.3        0.12

3CBs            Rating     0          0
3CBs                       0.01       0.18
3CBs                       0.3        0.18

4CBs            Rating     0          0
4CBs                       0.01       0.24
```

```
4CBs                        0.3        0.24

5CBs             Rating     0          0
5CBs                        0.01       0.3
5CBs                        0.3        0.3

6CBs             Rating     0          0
6CBs                        0.01       0.36
6CBs                        0.3        0.36

7CBs             Rating     0          0
7CBs                        0.01       0.42
7CBs                        0.3        0.42

8CBs             Rating     0          0
8CBs                        0.01       0.48
8CBs                        0.3        0.48

9CBs             Rating     0          0
9CBs                        0.01       0.54
9CBs                        0.3        0.54

SS_A1.1FRST      Rating     0          0
SS_A1.1FRST                 0.5        0.18
SS_A1.1FRST                 1          0.36

SS_A2.1FRST      Rating     0          0
SS_A2.1FRST                 0.5        0.15
SS_A2.1FRST                 1          0.29

SS_A2.2FRST      Rating     0          0
SS_A2.2FRST                 0.5        0.11
SS_A2.2FRST                 1          0.2

SS_A3.1FRST      Rating     0          0
SS_A3.1FRST                 0.5        0.44
SS_A3.1FRST                 1          0.99

SS_A3.2FRST      Rating     0          0
SS_A3.2FRST                 0.5        0.15
SS_A3.2FRST                 1          0.55
```

```
SS_A3.3FRST      Rating     0          0
SS_A3.3FRST                 0.5        0.22
SS_A3.3FRST                 1          0.94

SS_A4.1FRST      Rating     0          0
SS_A4.1FRST                 0.5        0.17
SS_A4.1FRST                 1          0.5

SS_A4.2FRST      Rating     0          0
SS_A4.2FRST                 0.5        0.55
SS_A4.2FRST                 1          1.18

SS_A4.3FRST      Rating     0          0
SS_A4.3FRST                 0.5        0.12
SS_A4.3FRST                 1          0.52

SS_A4.4FRST      Rating     0          0
SS_A4.4FRST                 0.5        0.15
SS_A4.4FRST                 1          0.79

SS_A4.5FRST      Rating     0          0
SS_A4.5FRST                 0.5        0.52
SS_A4.5FRST                 1          1.28

SS_A4.6FRST      Rating     0          0
SS_A4.6FRST                 0.5        0.64
SS_A4.6FRST                 1          2.94

SS_B1.1FRST      Rating     0          0
SS_B1.1FRST                 0.5        0.19
SS_B1.1FRST                 1          0.38

SS_B2.1FRST      Rating     0          0
SS_B2.1FRST                 0.5        0.4
SS_B2.1FRST                 1          0.81

SS_C1.1FRST      Rating     0          0
SS_C1.1FRST                 0.5        0.14
SS_C1.1FRST                 1          0.26

SS_D1.1FRST      Rating     0          0
SS_D1.1FRST                 0.5        0.44
```

```
SS_D1.1FRST                 1          1.57

SS_D2.1FRST      Rating     0          0
SS_D2.1FRST                 0.5        0.23
SS_D2.1FRST                 1          0.91

SS_D4.1FRST      Rating     0          0
SS_D4.1FRST                 0.5        0.21
SS_D4.1FRST                 1          0.81

SS_E1.1FRST      Rating     0          0
SS_E1.1FRST                 0.5        0.48
SS_E1.1FRST                 1          1.78

SS_E2.1FRST      Rating     0          0
SS_E2.1FRST                 0.5        0.05
SS_E2.1FRST                 1          0.09

SWM28RC          Rating     0          0
SWM28RC                     0.615      0
SWM28RC                     0.8        0
SWM28RC                     0.9        0
SWM28RC                     1          0
SWM28RC                     1.1        0.005
SWM28RC                     1.2        0.061
SWM28RC                     1.3        0.088
SWM28RC                     1.4        0.108
SWM28RC                     1.5        0.778
SWM28RC                     1.6        0.814
SWM28RC                     1.7        0.848
SWM28RC                     1.8        0.881
SWM28RC                     1.9        0.912
SWM28RC                     2          0.943
SWM28RC                     2.1        0.972
SWM28RC                     2.2        1.001
SWM28RC                     2.3        1.029
SWM28RC                     2.4        1.056
SWM28RC                     2.5        1.082
SWM28RC                     2.6        1.108
SWM28RC                     2.7        1.133
SWM28RC                     2.8        1.158
```

```
;Represents outflow via CB outlets to sewer.  Assumption CBs are at same level as PP (makes sense) - survey shows
them lower, which in turn doesn't match the photos in inventory.
SWM4RC          Rating     0          0
SWM4RC                     1.25       0
SWM4RC                     1.27       0.024
SWM4RC                     1.31       0.078
SWM4RC                     1.33       0.12
SWM4RC                     1.38       0.24
SWM4RC                     1.45       0.48
SWM4RC                     1.55       1.02
SWM4RC                     1.59       1.2
SWM4RC                     1.73       2.4
SWM4RC                     1.85       3.6
SWM4RC                     2          4.8

ForestA1.1      Storage    0          33
ForestA1.1                 0.5        67
ForestA1.1                 1          100

ForestA2.1      Storage    0          33
ForestA2.1                 0.5        67
ForestA2.1                 1          100

ForestA2.2      Storage    0          33
ForestA2.2                 0.5        67
ForestA2.2                 1          100

ForestA3.1      Storage    0          133
ForestA3.1                 0.5        267
ForestA3.1                 1          400

ForestA3.2      Storage    0          117
ForestA3.2                 0.5        233
ForestA3.2                 1          350

ForestA3.3      Storage    0          567
ForestA3.3                 0.5        1133
ForestA3.3                 1          1700

ForestA4.1      Storage    0          150
ForestA4.1                 0.5        300
```

```
ForestA4.1                  1          450

ForestA4.2       Storage    0          283
ForestA4.2                  0.5        567
ForestA4.2                  1          850

ForestA4.3       Storage    0          33
ForestA4.3                  0.5        67
ForestA4.3                  1          100

ForestA4.4       Storage    0          33
ForestA4.4                  0.5        67
ForestA4.4                  1          100

ForestA4.5       Storage    0          133
ForestA4.5                  0.5        267
ForestA4.5                  1          400

ForestA4.6       Storage    0          33
ForestA4.6                  0.5        67
ForestA4.6                  1          100

ForestB1.1       Storage    0          33
ForestB1.1                  0.5        67
ForestB1.1                  1          100

ForestB2.1       Storage    0          333
ForestB2.1                  0.5        667
ForestB2.1                  1          1000

ForestC1.1       Storage    0          33
ForestC1.1                  0.5        67
ForestC1.1                  1          100

ForestD1.1       Storage    0          33
ForestD1.1                  0.5        67
ForestD1.1                  1          100

ForestD2.1       Storage    0          33
ForestD2.1                  0.5        67
ForestD2.1                  1          100
```

```
ForestD4.1       Storage    0          33
ForestD4.1                  0.5        67
ForestD4.1                  1          100

ForestE1.1       Storage    0          933
ForestE1.1                  0.5        1867
ForestE1.1                  1          2800

ForestE2.1       Storage    0          33
ForestE2.1                  0.5        67
ForestE2.1                  1          100

ParkStorage      Storage    0          0
ParkStorage                 0.7        900
ParkStorage                 1          16500
ParkStorage                 1.2        29000

SWM28            Storage    0          3450
SWM28                       0.615      3450
SWM28                       0.8        8500
SWM28                       0.9        8500
SWM28                       1          8500
SWM28                       1.1        8500
SWM28                       1.2        8500
SWM28                       1.3        8500
SWM28                       1.4        8500
SWM28                       1.5        8500
SWM28                       1.6        8500
SWM28                       1.7        8500
SWM28                       1.8        8500
SWM28                       1.9        8500
SWM28                       2          8500
SWM28                       2.1        8500
SWM28                       2.2        8500
SWM28                       2.3        8500
SWM28                       2.4        8500
SWM28                       2.5        8500
SWM28                       2.6        8500
SWM28                       2.7        8500
SWM28                       2.8        8500
```

```
;Approximated from TSH report base mapping.  Note that pipe inlet is partially submerged according to photos and
survey.  Dead storage has to be incorporated to allow inlet to discharge into pond below surface WL.  Assuming same
surface area between spillway height and very top (the approx 62.0 feet shown on as-built drawing)
SWM4Storage      Storage    0          1900
SWM4Storage                 1.25       1900
SWM4Storage                 1.55       2400
SWM4Storage                 2          2400

;Depth-Area relationship for forebay area of SWM Pond 7
SWM7FB           Storage    0          285
SWM7FB                      1          560

;Stage-Storage relationship for main cell of SWM Pond 7
SWM7MC           Storage    0          4235
SWM7MC                      1          4925

WetlandA1        Storage    0          0
WetlandA1                   0.5        1993
WetlandA1                   1          10128
WetlandA1                   1.5        19123
WetlandA1                   2          72071
WetlandA1                   2.5        81823
WetlandA1                   3          82759

WetlandA2        Storage    0          0
WetlandA2                   0.5        43647
WetlandA2                   1          98288
WetlandA2                   1.5        113931
WetlandA2                   2          114893
WetlandA2                   2.5        114932
WetlandA2                   3          114932

WetlandA3        Storage    0          12203
WetlandA3                   0.5        31285
WetlandA3                   1          84316
WetlandA3                   1.5        119057
WetlandA3                   2          147660
WetlandA3                   2.5        182929
WetlandA3                   3          251326
WetlandA3                   3.5        340723
WetlandA3                   4          451413
WetlandA3                   4.5        540607
```

```
WetlandA3                   5          566035
WetlandA3                   5.5        567097

WetlandA4        Storage    0          22748
WetlandA4                   0.5        37777
WetlandA4                   1          56843
WetlandA4                   1.5        85353
WetlandA4                   2          136310
WetlandA4                   2.5        254969
WetlandA4                   3          366650
WetlandA4                   3.5        464859
WetlandA4                   4          572352
WetlandA4                   4.5        643960
WetlandA4                   5          729815
WetlandA4                   5.5        794027

WetlandB1        Storage    0          748
WetlandB1                   0.5        2179
WetlandB1                   1          4353
WetlandB1                   1.5        18749
WetlandB1                   2          29524
WetlandB1                   2.5        30815
WetlandB1                   3          30837

WetlandB2        Storage    0          0
WetlandB2                   0.5        24588
WetlandB2                   1          28790
WetlandB2                   1.5        29102
WetlandB2                   2          29102
WetlandB2                   2.5        29102
WetlandB2                   3          29102

WetlandC1        Storage    0          0
WetlandC1                   0.5        2567
WetlandC1                   1          10045
WetlandC1                   1.5        21166
WetlandC1                   2          30166
WetlandC1                   2.5        31435
WetlandC1                   3          31518

WetlandD1        Storage    0          0
```

```
WetlandD1                   0.5        13522
WetlandD1                   1          58665
WetlandD1                   1.5        127160
WetlandD1                   2          131458
WetlandD1                   2.5        131580
WetlandD1                   3          131580

WetlandD2        Storage    0          650
WetlandD2                   0.5        7394
WetlandD2                   1          48890
WetlandD2                   1.5        89082
WetlandD2                   2          133528
WetlandD2                   2.5        153565
WetlandD2                   3          162160

WetlandD3        Storage    0          0
WetlandD3                   0.5        1820
WetlandD3                   1          46389
WetlandD3                   1.5        54012
WetlandD3                   2          56062
WetlandD3                   2.5        56124
WetlandD3                   3          56124

WetlandD4        Storage    0          157
WetlandD4                   0.5        10443
WetlandD4                   1          14310
WetlandD4                   1.5        30878
WetlandD4                   2          33670
WetlandD4                   2.5        34949
WetlandD4                   3          35215

WetlandE1        Storage    0          0
WetlandE1                   0.5        7717.148314
WetlandE1                   1          17612.80256
WetlandE1                   1.5        25586.52171
WetlandE1                   2          28587
WetlandE1                   2.5        29290
WetlandE1                   3          29297

WetlandE2        Storage    0          0
WetlandE2                   0.5        6088.864713
```

```
WetlandE2                   1          7509.22668
WetlandE2                   1.5        7840
WetlandE2                   2          7885
WetlandE2                   2.5        7885
WetlandE2                   3          7885

WetlandE3        Storage    0          262.986564
WetlandE3                   1          8013.773861
WetlandE3                   2          17068.55258
WetlandE3                   3          23881.86007
WetlandE3                   4          31930.37758
WetlandE3                   5          45851.68924
WetlandE3                   6          59052.95639
WetlandE3                   7          67360.7874
WetlandE3                   8          77508.42571
WetlandE3                   9          80545.00609
WetlandE3                   10         92149.70895
WetlandE3                   11         108177.4222

[TIMESERIES]
;;Name           Date       Time       Value
;;-------------- ---------- ---------- ----------
;Guelph IDF Curve
AES12hour_100yr             0:15       1.01
AES12hour_100yr             0:30       1.01
AES12hour_100yr             0:45       1.01
AES12hour_100yr             1:00       1.01
AES12hour_100yr             1:15       1.01
AES12hour_100yr             1:30       1.01
AES12hour_100yr             1:45       1.01
AES12hour_100yr             2:00       1.01
AES12hour_100yr             2:15       5.81
AES12hour_100yr             2:30       5.81
AES12hour_100yr             2:45       5.81
AES12hour_100yr             3:00       5.81
AES12hour_100yr             3:15       16.65
AES12hour_100yr             3:30       16.65
AES12hour_100yr             3:45       16.65
AES12hour_100yr             4:00       16.65
AES12hour_100yr             4:15       44.93
AES12hour_100yr             4:30       44.93
```

```
AES12hour_100yr             4:45       44.93
AES12hour_100yr             5:00       44.93
AES12hour_100yr             5:15       12.74
AES12hour_100yr             5:30       12.74
AES12hour_100yr             5:45       12.74
AES12hour_100yr             6:00       12.74
AES12hour_100yr             6:15       6.82
AES12hour_100yr             6:30       6.82
AES12hour_100yr             6:45       6.82
AES12hour_100yr             7:00       6.82
AES12hour_100yr             7:15       3.91
AES12hour_100yr             7:30       3.91
AES12hour_100yr             7:45       3.91
AES12hour_100yr             8:00       3.91
AES12hour_100yr             8:15       1.90
AES12hour_100yr             8:30       1.90
AES12hour_100yr             8:45       1.90
AES12hour_100yr             9:00       1.90
AES12hour_100yr             9:15       1.01
AES12hour_100yr             9:30       1.01
AES12hour_100yr             9:45       1.01
AES12hour_100yr             10:00      1.01
AES12hour_100yr             10:15      1.01
AES12hour_100yr             10:30      1.01
AES12hour_100yr             10:45      1.01
AES12hour_100yr             11:00      1.01
AES12hour_100yr             11:15      1.01
AES12hour_100yr             11:30      1.01
AES12hour_100yr             11:45      1.01
AES12hour_100yr             12:00      1.01

;Guelph IDF Curve
AES6hour_100yr              0:15       1.865082087
AES6hour_100yr              0:30       1.865082087
AES6hour_100yr              0:45       1.865082087
AES6hour_100yr              1:00       1.865082087
AES6hour_100yr              1:15       11.19049252
AES6hour_100yr              1:30       11.19049252
AES6hour_100yr              1:45       31.70639362
AES6hour_100yr              2:00       31.70639362
AES6hour_100yr              2:15       85.79376981
```

AES6hour_100yr	2:30	85.79376981
AES6hour_100yr	2:45	24.24606527
AES6hour_100yr	3:00	24.24606527
AES6hour_100yr	3:15	13.05557399
AES6hour_100yr	3:30	13.05557399
AES6hour_100yr	3:45	7.460328346
AES6hour_100yr	4:00	7.460328346
AES6hour_100yr	4:15	3.730164173
AES6hour_100yr	4:30	3.730164173
AES6hour_100yr	4:45	1.865082087
AES6hour_100yr	5:00	1.865082087
AES6hour_100yr	5:15	1.865082087
AES6hour_100yr	5:30	1.865082087
AES6hour_100yr	5:45	1.865082087
AES6hour_100yr	6:00	1.865082087

CC_AES12hour_100yr	0:15	1.78
CC_AES12hour_100yr	0:30	1.78
CC_AES12hour_100yr	0:45	1.78
CC_AES12hour_100yr	1:00	1.78
CC_AES12hour_100yr	1:15	1.78
CC_AES12hour_100yr	1:30	1.78
CC_AES12hour_100yr	1:45	1.78
CC_AES12hour_100yr	2:00	1.78
CC_AES12hour_100yr	2:15	10.26
CC_AES12hour_100yr	2:30	10.26
CC_AES12hour_100yr	2:45	10.26
CC_AES12hour_100yr	3:00	10.26
CC_AES12hour_100yr	3:15	29.40
CC_AES12hour_100yr	3:30	29.40
CC_AES12hour_100yr	3:45	29.40
CC_AES12hour_100yr	4:00	29.40
CC_AES12hour_100yr	4:15	79.33
CC_AES12hour_100yr	4:30	79.33
CC_AES12hour_100yr	4:45	79.33
CC_AES12hour_100yr	5:00	79.33
CC_AES12hour_100yr	5:15	22.50
CC_AES12hour_100yr	5:30	22.50
CC_AES12hour_100yr	5:45	22.50
CC_AES12hour_100yr	6:00	22.50
CC_AES12hour_100yr	6:15	12.04

CC_AES12hour_100yr	6:30	12.04
CC_AES12hour_100yr	6:45	12.04
CC_AES12hour_100yr	7:00	12.04
CC_AES12hour_100yr	7:15	6.91
CC_AES12hour_100yr	7:30	6.91
CC_AES12hour_100yr	7:45	6.91
CC_AES12hour_100yr	8:00	6.91
CC_AES12hour_100yr	8:15	3.35
CC_AES12hour_100yr	8:30	3.35
CC_AES12hour_100yr	8:45	3.35
CC_AES12hour_100yr	9:00	3.35
CC_AES12hour_100yr	9:15	1.78
CC_AES12hour_100yr	9:30	1.78
CC_AES12hour_100yr	9:45	1.78
CC_AES12hour_100yr	10:00	1.78
CC_AES12hour_100yr	10:15	1.78
CC_AES12hour_100yr	10:30	1.78
CC_AES12hour_100yr	10:45	1.78
CC_AES12hour_100yr	11:00	1.78
CC_AES12hour_100yr	11:15	1.78
CC_AES12hour_100yr	11:30	1.78
CC_AES12hour_100yr	11:45	1.78
CC_AES12hour_100yr	12:00	1.78

Guelph100Y	01/19/2010 0:00	0
Guelph100Y	01/19/2010 0:05	3.05
Guelph100Y	01/19/2010 0:10	3.33
Guelph100Y	01/19/2010 0:15	3.7
Guelph100Y	01/19/2010 0:20	4.14
Guelph100Y	01/19/2010 0:25	4.68
Guelph100Y	01/19/2010 0:30	5.34
Guelph100Y	01/19/2010 0:35	6.18
Guelph100Y	01/19/2010 0:40	7.26
Guelph100Y	01/19/2010 0:45	8.89
Guelph100Y	01/19/2010 0:50	10.63
Guelph100Y	01/19/2010 0:55	13.39
Guelph100Y	01/19/2010 1:00	17.51
Guelph100Y	01/19/2010 1:05	24.1
Guelph100Y	01/19/2010 1:10	35.69
Guelph100Y	01/19/2010 1:15	59.35
Guelph100Y	01/19/2010 1:20	121.59

Guelph100Y	01/19/2010 1:25	239.35
Guelph100Y	01/19/2010 1:30	137.52
Guelph100Y	01/19/2010 1:35	80.54
Guelph100Y	01/19/2010 1:40	53.35
Guelph100Y	01/19/2010 1:45	38.19
Guelph100Y	01/19/2010 1:50	28.84
Guelph100Y	01/19/2010 1:55	22.65
Guelph100Y	01/19/2010 2:00	18.33
Guelph100Y	01/19/2010 2:05	15.19
Guelph100Y	01/19/2010 2:10	12.83
Guelph100Y	01/19/2010 2:15	11
Guelph100Y	01/19/2010 2:20	9.56
Guelph100Y	01/19/2010 2:25	8.41
Guelph100Y	01/19/2010 2:30	7.46
Guelph100Y	01/19/2010 2:35	6.68
Guelph100Y	01/19/2010 2:40	6.02
Guelph100Y	01/19/2010 2:45	5.49
Guelph100Y	01/19/2010 2:50	4.99
Guelph100Y	01/19/2010 2:55	4.58
Guelph100Y	01/19/2010 3:00	4.22
Guelph100Y	01/19/2010 3:05	3.91
Guelph100Y	01/19/2010 3:10	3.63
Guelph100Y	01/19/2010 3:15	3.38
Guelph100Y	01/19/2010 3:20	3.17
Guelph100Y	01/19/2010 3:25	3.05
Guelph100Y	01/19/2010 3:30	0
Guelph5Y	01/19/2010 0:00	0
Guelph5Y	01/19/2010 0:05	3.06
Guelph5Y	01/19/2010 0:10	3.35
Guelph5Y	01/19/2010 0:15	3.7
Guelph5Y	01/19/2010 0:20	4.13
Guelph5Y	01/19/2010 0:25	4.68
Guelph5Y	01/19/2010 0:30	5.37
Guelph5Y	01/19/2010 0:35	6.3
Guelph5Y	01/19/2010 0:40	7.59
Guelph5Y	01/19/2010 0:45	9.48
Guelph5Y	01/19/2010 0:50	12.46
Guelph5Y	01/19/2010 0:55	17.72
Guelph5Y	01/19/2010 1:00	28.8
Guelph5Y	01/19/2010 1:05	61.69

```
Guelph5Y         01/19/2010 1:10       139.29
Guelph5Y         01/19/2010 1:15       70.6
Guelph5Y         01/19/2010 1:20       39.22
Guelph5Y         01/19/2010 1:25       25.91
Guelph5Y         01/19/2010 1:30       18.86
Guelph5Y         01/19/2010 1:35       14.61
Guelph5Y         01/19/2010 1:40       11.81
Guelph5Y         01/19/2010 1:45       9.86
Guelph5Y         01/19/2010 1:50       8.42
Guelph5Y         01/19/2010 1:55       7.33
Guelph5Y         01/19/2010 2:00       6.48
Guelph5Y         01/19/2010 2:05       5.8
Guelph5Y         01/19/2010 2:10       5.24
Guelph5Y         01/19/2010 2:15       4.78
Guelph5Y         01/19/2010 2:20       4.39
Guelph5Y         01/19/2010 2:25       4.05
Guelph5Y         01/19/2010 2:30       3.77
Guelph5Y         01/19/2010 2:35       3.52
Guelph5Y         01/19/2010 2:40       3.3
Guelph5Y         01/19/2010 2:45       3.1
Guelph5Y         01/19/2010 2:50       3.05
Guelph5Y         01/19/2010 2:55       0

;Rainfall (mm/hr)
Hurricane_Hazel_(0-25) 01/19/2010 00:00:00   6.33
Hurricane_Hazel_(0-25) 01/19/2010 01:00:00   4.22
Hurricane_Hazel_(0-25) 01/19/2010 02:00:00   6.33
Hurricane_Hazel_(0-25) 01/19/2010 03:00:00   12.66
Hurricane_Hazel_(0-25) 01/19/2010 04:00:00   16.88
Hurricane_Hazel_(0-25) 01/19/2010 05:00:00   12.66
Hurricane_Hazel_(0-25) 01/19/2010 06:00:00   23.21
Hurricane_Hazel_(0-25) 01/19/2010 07:00:00   12.66
Hurricane_Hazel_(0-25) 01/19/2010 08:00:00   12.66
Hurricane_Hazel_(0-25) 01/19/2010 09:00:00   52.75
Hurricane_Hazel_(0-25) 01/19/2010 10:00:00   37.98
Hurricane_Hazel_(0-25) 01/19/2010 11:00:00   12.66

[REPORT]
;;Reporting Options
INPUT      NO
CONTROLS   NO
```

```
SUBCATCHMENTS ALL
NODES ALL
LINKS ALL

[TAGS]
Subcatch   A1              WETLAND
Subcatch   A1.1            SUB
Subcatch   A1.1_FRST       FOREST
Subcatch   A2              WETLAND
Subcatch   A2.1            SUB
Subcatch   A2.1_FRST       FOREST
Subcatch   A2.2            SUB
Subcatch   A2.2_FRST       FOREST
Subcatch   A3              WETLAND
Subcatch   A3.1            SUB
Subcatch   A3.1_FRST       FOREST
Subcatch   A3.2            SUB
Subcatch   A3.2_FRST       FOREST
Subcatch   A3.3            SUB
Subcatch   A3.3_FRST       FOREST
Subcatch   A4              WETLAND
Subcatch   A4.1            SUB
Subcatch   A4.1_FRST       FOREST
Subcatch   A4.2            SUB
Subcatch   A4.2_FRST       FOREST
Subcatch   A4.3            SUB
Subcatch   A4.3_FRST       FOREST
Subcatch   A4.4_FRST       FOREST
Subcatch   A4.5            SUB
Subcatch   A4.5_FRST       FOREST
Subcatch   A4.6            SUB
Subcatch   A4.6_FRST       FOREST
Subcatch   B1              WETLAND
Subcatch   B1.1            SUB
Subcatch   B1.1_FRST       FOREST
Subcatch   B2              WETLAND
Subcatch   B2.1            SUB
Subcatch   B2.1_FRST       FOREST
Subcatch   C1              WETLAND
Subcatch   C1.1            SUB
Subcatch   C1.1_FRST       FOREST
```

```
Subcatch   D1              WETLAND
Subcatch   D1.1            SUB
Subcatch   D1.1_FRST       FOREST
Subcatch   D2              WETLAND
Subcatch   D2.1            SUB
Subcatch   D2.1_FRST       FOREST
Subcatch   D3              WETLAND
Subcatch   D3.1            SUB
Subcatch   D4              WETLAND
Subcatch   D4.1            SUB
Subcatch   D4.1_FRST       FOREST
Subcatch   E1              WETLAND
Subcatch   E1.1            SUB
Subcatch   E1.1_FRST       FOREST
Subcatch   E2              WETLAND
Subcatch   E2.1            SUB
Subcatch   E2.1_FRST       FOREST
Subcatch   E3              WETLAND
Subcatch   E3.1            SUB
Subcatch   E3.1_FRST       FOREST
Node       13              PEAKFLOW
Node       14              OVERFLOW
Node       18              PEAKFLOW
Node       20              OVERFLOW
Node       21              PEAKFLOW
Node       22              PEAKFLOW
Node       28              OVERFLOW
Node       31              PEAKFLOW
Node       37              OVERFLOW
Node       40              OVERFLOW
Node       42              OVERFLOW
Node       48              OVERFLOW
Node       49              OVERFLOW
Node       5               PEAKFLOW
Node       50              OVERFLOW
Node       54              OVERFLOW
Node       56              PEAKFLOW
Node       7               OVERFLOW
Node       9               PEAKFLOW
Node       S_A1.1FRST      FOREST
Node       S_A2.1FRST      FOREST
```

```
Node       S_A2.2FRST       FOREST
Node       S_A3.1FRST       FOREST
Node       S_A3.2FRST       FOREST
Node       S_A3.3FRST       FOREST
Node       S_A4.1FRST       FOREST
Node       S_A4.2FRST       FOREST
Node       S_A4.3FRST       FOREST
Node       S_A4.4FRST       FOREST
Node       S_A4.5FRST       FOREST
Node       S_A4.6FRST       FOREST
Node       S_B1.1FRST       FOREST
Node       S_B2.1FRST       FOREST
Node       S_C1.1FRST       FOREST
Node       S_D1.1FRST       FOREST
Node       S_D2.1FRST       FOREST
Node       S_D4.1FRST       FOREST
Node       S_E1.1FRST       FOREST
Node       S_E2.1FRST       FOREST
Link       45               OVERFLOW
Link       46               OVERFLOW
Link       49               OVERFLOW
Link       51               OVERFLOW
Link       53               OVERFLOW
Link       55               OVERFLOW
Link       56               OVERFLOW
Link       59               OVERFLOW
Link       61               OVERFLOW
Link       62               OVERFLOW
Link       64               OVERFLOW
Link       66               OVERFLOW
Link       67               OVERFLOW

[MAP]
DIMENSIONS       560049.17765     4813980.0537     566747.96535     4819891.9223
UNITS            Meters

[COORDINATES]
;;Node           X-Coord          Y-Coord
;;-------------- ---------------- ----------------
1                563505.595       4818857.531
11               562264.051       4817092.616
```

12	562093.693	4816996.517
13	561923.335	4816939.73
14	563765.659	4818608.344
15	561698.149	4817099.989
17	561555.781	4817211.295
18	562426.62	4818157.29
19	562538.173	4818252.284
2	563971.394	4816882.676
20	564178.863	4818321.328
21	562545.175	4815756.588
22	562792.469	4817889.143
24	562914.204	4817643.271
25	562839.502	4817808.814
26	563392.315	4814809.546
27	563008.362	4815059.447
28	564101.861	4817495.179
29	562658.413	4815370.702
3	563813.34	4818552.225
30	562518.57	4815887.312
31	562509.891	4815976.414
32	562389.177	4816125.495
34	562132.804	4816343.723
35	562141.559	4816415.771
36	562019.922	4816837.051
37	562691.445	4818224.496
39	562260.757	4815366.47
4	562898.769	4818142.309
40	562735.784	4816716.891
42	562653.629	4817959.571
48	562791.226	4815250.407
49	562119.461	4815316.718
5	564285.83	4818262.163
50	562180.148	4816210.903
53	561776.788	4817092.883
54	561654.389	4817151.371
56	560575.172	4817438.611
6	564448.132	4818114.766
7	562660.913	4817047.623
8	563452.191	4817241.134
9	563050.32	4817206.188
MHEasement1	561877.237	4816229.292

MHEasement2	561949.252	4816236.207
MHSchool	562556.23	4818733.76
MHSWM4	561796.452	4817542.016
PWOPRMHS0001369	561884.193	4816425.78
PWOPRMHS0001370	561860.035	4816232.92
PWOPRMHS0001371	561855.459	4816222.492
PWOPRMHS0001372	561846.661	4816215.753
PWOPRMHS0001373	561812.341	4816475.01
PWOPRMHS0001374	561843.527	4816298.466
PWOPRMHS0001375	561847.848	4816285.339
PWOPRMHS0001386	561972.542	4816243.198
PWOPRMHS0001387	561961.55	4816273.581
PWOPRMHS0001388	561945.075	4816327.358
PWOPRMHS0001389	561922.976	4816376.79
PWOPRMHS0001390	561862.605	4816605.17
PWOPRMHS0001391	561851.715	4816638.463
PWOPRMHS0001392	561799.907	4816625.51
PWOPRMHS0001393	561718.958	4816564.397
PWOPRMHS0001394	561827.11	4816719.731
PWOPRMHS0001395	561761.638	4816780.338
PWOPRMHS0001398	561742.623	4816939.696
PWOPRMHS0001399	561765.69	4816913.305
PWOPRMHS0001400	561778.566	4816886.367
PWOPRMHS0001401	561793.986	4816829.638
PWOPRMHS0001402	561805.703	4816791.896
PWOPRMHS0001403	561746.177	4817608.49
PWOPRMHS0001404	561635.613	4816631.971
PWOPRMHS0001408	561601.462	4816667.671
PWOPRMHS0001409	561825.428	4817917.837
PWOPRMHS0001410	561840.501	4817971.076
PWOPRMHS0001411	561844.591	4817982.614
PWOPRMHS0001412	561869.304	4818052.989
PWOPRMHS0001413	561877.912	4818049.95
PWOPRMHS0001415	561825.048	4816476.95
PWOPRMHS0001416	561824.196	4817541.964
PWOPRMHS0001418	561877.987	4817487.164
PWOPRMHS0001419	561824.809	4816326.341
PWOPRMHS0001420	561802.331	4816346.087
PWOPRMHS0001421	561774.617	4816354.775
PWOPRMHS0001422	561771.574	4816423.521
PWOPRMHS0001423	561757.078	4816402.985

PWOPRMHS0001424	561711.709	4816422.071
PWOPRMHS0001428	561744.231	4816300.096
PWOPRMHS0001429	561751.471	4816357.794
PWOPRMHS0001430	561753.029	4816371.442
PWOPRMHS0001431	561782.805	4816200.606
PWOPRMHS0001433	561917.179	4817502.421
PWOPRMHS0001435	561950.344	4817403.392
PWOPRMHS0001436	561964.452	4817448.082
PWOPRMHS0001437	561975.395	4817428.756
PWOPRMHS0001438	561966.497	4817387.235
PWOPRMHS0001467	561588.747	4816585.318
PWOPRMHS0001597	562940.584	4818233.191
PWOPRMHS0001598	562944.811	4818100.994
PWOPRMHS0001600	563054.204	4818236.639
PWOPRMHS0001601	563020.359	4818180.421
PWOPRMHS0001602	563006.722	4818166.463
PWOPRMHS0001603	562996.574	4818175.509
PWOPRMHS0001604	562983.713	4818173.975
PWOPRMHS0001605	562983.177	4818191.591
PWOPRMHS0001606	562916.138	4818104.669
PWOPRMHS0001608	562941.941	4818079.72
PWOPRMHS0001610	562941.014	4818100.853
PWOPRMHS0001611	562418.856	4818184.213
PWOPRMHS0001614	562411.822	4818229.263
PWOPRMHS0001622	561798.793	4818077.804
PWOPRMHS0001624	561870.607	4818352.898
PWOPRMHS0001625	561875.988	4818344.603
PWOPRMHS0001626	561851.385	4818381.332
PWOPRMHS0001634	561764.309	4817989.272
PWOPRMHS0001642	562403.42	4818235.142
PWOPRMHS0001643	562380.587	4818237.202
PWOPRMHS0001649	561929.012	4818313.016
PWOPRMHS0001650	561921.69	4818318.725
PWOPRMHS0001651	561893.769	4818346.3
PWOPRMHS0001652	562004.742	4818378.223
PWOPRMHS0001653	562068.226	4818335.822
PWOPRMHS0001654	562090.795	4818330.833
PWOPRMHS0001655	561934.734	4818295.39
PWOPRMHS0001657	562096.337	4818314.226
PWOPRMHS0001658	562091.176	4818297.637
PWOPRMHS0001659	562053.425	4818289.351

PWOPRMHS0001660	562195.031	4818375.544
PWOPRMHS0001661B	562158.925	4818366.059
PWOPRMHS0001662	562174.087	4818351.558
PWOPRMHS0001663	562166.723	4818351.838
PWOPRMHS0001664	562026.148	4818376.683
PWOPRMHS0001667	562856.537	4818041.852
PWOPRMHS0001670	562794.817	4817977.145
PWOPRMHS0001674	562810.361	4818443.76
PWOPRMHS0001676	562823.661	4818447.839
PWOPRMHS0001677	562859.193	4818424.794
PWOPRMHS0001678	562867.364	4818426.043
PWOPRMHS0001679	563028.109	4818686.17
PWOPRMHS0001680	563015.22	4818689.59
PWOPRMHS0001682	562768.026	4818647.408
PWOPRMHS0001686	562773.873	4818654.947
PWOPRMHS0001687	562743.264	4818484.861
PWOPRMHS0001688	562803.797	4818458.627
PWOPRMHS0001689	562751.931	4818556.217
PWOPRMHS0001690	562743.784	4818567.714
PWOPRMHS0001691	562672.663	4818580.292
PWOPRMHS0001692	562668.878	4818665.765
PWOPRMHS0001695	562657.788	4817757.419
PWOPRMHS0001697	562572.32	4818356.787
PWOPRMHS0001705	562856.801	4818562.606
PWOPRMHS0001706	562923.642	4818375.144
PWOPRMHS0001713	562772.9	4818363.606
PWOPRMHS0001729	562481.878	4818753.001
PWOPRMHS0001732	562501.315	4818757.506
PWOPRMHS0001733	562476.132	4818317.775
PWOPRMHS0001736	562500.358	4818291.921
PWOPRMHS0001739	562508.785	4818765.124
PWOPRMHS0001740	562521.5	4818764.574
PWOPRMHS0001741	562515.926	4818655.827
PWOPRMHS0001743	562661.053	4818594.039
PWOPRMHS0001744	562660.311	4818676.462
PWOPRMHS0001745	562597.709	4818695.039
PWOPRMHS0001746	562627.344	4818679.982
PWOPRMHS0001761	562089.41	4817882.154
PWOPRMHS0001764	562005.558	4817911.268
PWOPRMHS0001765	561996.125	4817859.219
PWOPRMHS0001766	562006.358	4817833.244

PWOPRMHS0001767	561925.021	4817940.002
PWOPRMHS0001768	561914.07	4817900.74
PWOPRMHS0001788	561698.376	4817655.42
PWOPRMHS0001791	561674.858	4817883.764
PWOPRMHS0001792	561691.408	4817816.757
PWOPRMHS0001796	561735.415	4817745.354
PWOPRMHS0001797	561721.414	4817775.178
PWOPRMHS0001798	561706.316	4817811.029
PWOPRMHS0001804	562144.492	4817600.981
PWOPRMHS0001836	561618.275	4817781.095
PWOPRMHS0001855	562071.871	4817527.116
PWOPRMHS0001856	562108.25	4817515.863
PWOPRMHS0001857	562018.38	4817472.687
PWOPRMHS0001858	562192.681	4817476.003
PWOPRMHS0001867	562336.75	4817338.49
PWOPRMHS0001874	562442.58	4818695.738
PWOPRMHS0001878	562446.686	4818246.2
PWOPRMHS0001879	562416.185	4818234.902
PWOPRMHS0001881	562323.188	4818256.778
PWOPRMHS0001889	562261.014	4818487.19
PWOPRMHS0001890	562263.472	4818474.204
PWOPRMHS0001891	562276.508	4818476.543
PWOPRMHS0001894	562219.538	4818408.967
PWOPRMHS0001903	562275.642	4817437.565
PWOPRMHS0001904	562252.184	4817414.663
PWOPRMHS0001906	562199.434	4817211.531
PWOPRMHS0001907	562201.793	4817224.567
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[VERTICES]
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[POLYGONS]
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A3.1            563993.209      4817786.251
A3.1            563980.6        4817773.109
A3.1            563965.391      4817757.257
A3.1            563959.735      4817759.832
A3.1            563937.518      4817769.943
A3.1            563921.732      4817784.971
A3.1            563906.67       4817799.309
A3.1            563887.369      4817817.682
A3.1            563879.25       4817825.41
A3.1            563865.573      4817838.43
;Part2: A3.1
A3.1            563808.608      4817593.851
A3.1            563836.711      4817714.511
A3.1            563900.795      4817689.932
A3.1            563833.082      4817619.358
A3.1            563808.608      4817593.851
......
```

```
Too many subcatchment entities (247 in total).

[SYMBOLS]
;;Gage           X-Coord          Y-Coord
;;-------------- ---------------- ----------------
```

H.05 Input for PCSWMM for Scenario 5

```
[TITLE]
Replacement of Wetlands with Stormwater functions

[OPTIONS]
;;Options            Value
;;------------------ ------------
FLOW_UNITS           CMS
INFILTRATION         GREEN_AMPT
FLOW_ROUTING         DYNWAVE
LINK_OFFSETS         ELEVATION
MIN_SLOPE            0
ALLOW_PONDING        NO
SKIP_STEADY_STATE    NO

START_DATE           09/01/2021
START_TIME           00:00:00
REPORT_START_DATE    09/01/2021
REPORT_START_TIME    00:00:00
END_DATE             09/04/2021
END_TIME             00:00:00
SWEEP_START          01/01
SWEEP_END            12/31
DRY_DAYS             0
REPORT_STEP          00:05:00
WET_STEP             00:05:00
DRY_STEP             00:15:00
ROUTING_STEP         5
RULE_STEP            00:00:00

INERTIAL_DAMPING     PARTIAL
NORMAL_FLOW_LIMITED  BOTH
FORCE_MAIN_EQUATION  H-W
VARIABLE_STEP        0.75
LENGTHENING_STEP     1
MIN_SURFAREA         0
MAX_TRIALS           8
HEAD_TOLERANCE       0.0015
SYS_FLOW_TOL         5
LAT_FLOW_TOL         5
MINIMUM_STEP         0.5
THREADS              4
```

```
[EVAPORATION]
;;Type          Parameters
;;------------- ----------
MONTHLY          0.0    0.0    0.0    1.06   2.48   3.6    4.13   3.61   2.43   1.19   0.3    0.0
DRY_ONLY         NO

[RAINGAGES]
;;                     Rain      Time     Snow     Data
;;Name                 Type      Intrvl   Catch    Source
;;-------------------- --------- -------- -------- ----------
AES12hour_100year      INTENSITY 0:15     1.0      TIMESERIES AES12hour_100yr
AES6hour_100year       INTENSITY 0:15     1.0      TIMESERIES AES6hour_100yr
CC_AES12hour_100yr     INTENSITY 0:15     1.0      TIMESERIES CC_AES12hour_100yr
DSGauge                INTENSITY 0:05     1.0      TIMESERIES Guelph100Y
Hurricane_Hazel_(0-25) INTENSITY 01:00    1.0      TIMESERIES Hurricane_Hazel_(0-25)

[SUBCATCHMENTS]
;;                                                 Total    Pcnt.             Pcnt.    Curb     Snow
;;Name           Raingage         Outlet           Area     Imperv   Width    Slope    Length   Pack
;;-------------- ---------------- ---------------- -------- -------- -------- -------- -------- --------
A1               AES12hour_100year 14              8.37858  31       837.858  2.55     0
A1.1             AES12hour_100year 1               42.8127  31       4281.27  2.55     0
A1.1_FRST        AES12hour_100year A1              3.63836  5        382.985  4.569    0
A2               AES12hour_100year 20              11.49151 26       1149.151 4.893    0
A2.1             AES12hour_100year 3               12.9012  20       1290.12  4.465    0
;05
A2.1_FRST        AES12hour_100year A2              3.27903  5        364.337  5.888    0
A2.2             AES12hour_100year 3               8.44264  34       844.264  5.546    0
A2.2_FRST        AES12hour_100year A2              2.22057  5        296.076  4.679    0
;01
A3               AES12hour_100year 28              56.7748  27       5677.48  2.341    0
A3.1             AES12hour_100year 6               6.44601  22       644.601  4.32     0
A3.1_FRST        AES12hour_100year A3              13.18801 5        712.865  6.361    0
A3.2             AES12hour_100year 6               32.32076 36       3232.076 3.055    0
A3.2_FRST        AES12hour_100year A3              7.39984  5        528.56   2.441    0
A3.3             AES12hour_100year 28              70.21898 23       7021.898 1.831    0
A3.3_FRST        AES12hour_100year A3              17.13255 5        815.836  2.072    0
;02
A4               AES12hour_100year 7               100.51695 40      11422.381 3.52    0
A4.1             AES12hour_100year 9               1.02924  20       205.848  12.11    0
```

```
A4.1_FRST        AES12hour_100year A4              5.52575  5        251.17   12.609   0
A4.2             AES12hour_100year 8               9.80983  29       980.983  3.264    0
A4.2_FRST        AES12hour_100year A4              16.15059 5        807.53   3.234    0
A4.3             AES12hour_100year 8               46.96537 61       4696.537 6.754    0
A4.3_FRST        AES12hour_100year A4              8.10956  5        559.28   2.629    0
A4.4_FRST        AES12hour_100year A4              18.6402  5        866.986  1.485    0
A4.5             AES12hour_100year 2               108.8003 29       10880.03 2.616    0
A4.5_FRST        AES12hour_100year A4              15.02335 5        770.428  4.264    0
A4.6             AES12hour_100year 2               148.9709 52       14897.09 3.51     0
A4.6_FRST        AES12hour_100year A4              60.75746 5        1557.884 5.817    0
B1               AES12hour_100year 37              3.0847   16       856.861  1.137    0
B1.1             AES12hour_100year 4               0.99721  20       199.442  3.723    0
;06
B1.1_FRST        AES12hour_100year B1              3.70213  5        370.213  2.416    0
;03
B2               AES12hour_100year 42              2.9118   14       746.615  2.9      0
B2.1             AES12hour_100year 18              6.4804   11       648.04   8.395    0
B2.1_FRST        AES12hour_100year B2              8.06289  5        556.061  4.141    0
C1               AES12hour_100year 40              3.1551   61       350.567  2.612    0
C1.1             AES12hour_100year 40              123.3055 61       12330.55 2.612    0
C1.1_FRST        AES12hour_100year C1              2.78849  5        328.058  5.115    0
D1               AES12hour_100year 48              13.15501 61       1315.501 2.621    0
D1.1             AES12hour_100year 27              119.81733 61      11981.733 2.621   0
;07
D1.1_FRST        AES12hour_100year D1              30.3332  5        1103.025 1.654    0
D2               AES12hour_100year 21              17.56726 54       1756.726 1.309    0
D2.1             AES12hour_100year 21              52.2425  54       5224.25  1.309    0
D2.1_FRST        AES12hour_100year D2              19.03354 5        865.161  1.199    0
D3               AES12hour_100year 49              5.6119   60       561.19   4.474    0
D3.1             AES12hour_100year 49              36.1347  60       3613.47  4.474    0
;04
D4               AES12hour_100year 50              3.51993  35       495.765  1.49     0
D4.1             AES12hour_100year 50              23.40875 53       2340.875 1.568    0
D4.1_FRST        AES12hour_100year D4              13.64864 5        737.764  1.949    0
E1               AES12hour_100year 53              2.92807  18       636.537  1.66     0
E1.1             AES12hour_100year 53              18.00759 23       1800.759 3.079    0
;08
E1.1_FRST        AES12hour_100year E1              32.85577 5        1132.958 2.328    0
E2               AES12hour_100year 54              0.78579  19       174.62   4.9      0
E2.1             AES12hour_100year 54              9.27285  19       927.285  4.9      0
E2.1_FRST        AES12hour_100year E2              0.87158  5        174.316  6.307    0
```

E3	AES12hour_100year	56	14.02097	22	1402.097	12.425	0
E3.1	AES12hour_100year	56	22.8162	22	2281.62	12.425	0
E3.1_FRST	AES12hour_100year	E3	13.0633	5	725.739	8.365	0
HC01-01	AES12hour_100year	PWOPRMHS0001937	6.22	28.7	1269.388	3.5	0
HC01-02	AES12hour_100year	PWOPRMHS0001695	2.27	24.8	504.444	4.2	0
HC01-03	AES12hour_100year	PWOPRMHS0001925	1.2	24.8	173.913	7.1	0
HC01-04	AES12hour_100year	SWMPOND	2.49	19.4	415	4.2	0
HC01-05	AES12hour_100year	PWOPRMHS0001939	2.5	24.8	500	6.3	0
HC01-06	AES12hour_100year	PWOPRMHS0001928	1.32	24.8	197.015	6.7	0
HC01-07	AES12hour_100year	PWOPRMHS0001944	0.7	24.8	159.091	0.8	0
HC01-08	AES12hour_100year	PWOPRMHS0001930	0.52	24.8	70.27	10	0
HC01-09	AES12hour_100year	PWOPRMHS0001947	0.66	24.8	160.976	1.3	0
HC01-10	AES12hour_100year	PWOPRMHS0001929	1.14	24.8	156.164	7.8	0
HC01-11	AES12hour_100year	PWOPRMHS0001933	1.39	24.8	217.187	3.3	0
HC01-12	AES12hour_100year	PWOPRMHS0001943	3.1	24.8	720.93	3.9	0
HC02-01	AES12hour_100year	PWOPRMHS0001622	0.37	37.3	115.625	0.9	0
HC02-02	AES12hour_100year	PWOPRMHS0001413	2.17	50.4	678.125	0.4	0
HC02-03	AES12hour_100year	PWOPRMHS0001412	0.19	43.2	59.375	0.8	0
HC02-04	AES12hour_100year	PWOPRMHS0001411	0.41	29.2	128.125	5	0
HC02-05	AES12hour_100year	PWOPRMHS0001764	2.96	14.8	925	2.6	0
HC02-06	AES12hour_100year	PWOPRMHS0001768	1.79	15.2	577.419	1.4	0
HC02-07	AES12hour_100year	PWOPRMHS0001767	0.78	12.8	243.75	0.6	0
HC02-08	AES12hour_100year	PWOPRMHS0001409	1.26	11.6	393.75	1.4	0
HC02-09	AES12hour_100year	PWOPRMHS0001410	0.87	13.6	263.636	0.5	0
HC02-10	AES12hour_100year	PWOPRMHS0001634	0.94	12.4	293.75	0.8	0
HC02-11	AES12hour_100year	PWOPRMHS0001791	1.49	13.6	465.625	1	0
HC02-12	AES12hour_100year	PWOPRMHS0001797	2.15	12.4	651.515	0.3	0
HC02-13	AES12hour_100year	PWOPRMHS0001792	0.84	11.6	262.5	0.6	0
HC02-14	AES12hour_100year	PWOPRMHS0001836	0.92	12	270.588	1.1	0
HC02-15	AES12hour_100year	PWOPRMHS0001788	1.6	13.2	470.588	2.5	0
HC02-16	AES12hour_100year	PWOPRMHS0001403	0.51	14	150	2.5	0
HC02-17	AES12hour_100year	PWOPRMHS0001403	2.36	13.2	715.152	1.1	0
HC02-18	AES12hour_100year	PWOPRMHS0001433	3.83	14	1160.606	3.3	0
HC02-19	AES12hour_100year	PWOPRMHS0001418	1.52	14.4	460.606	0.1	0
HC02-20	AES12hour_100year	PWOPRMHS0001804	0.44	35.2	275	1.3	0
HC02-21	AES12hour_100year	PWOPRMHS0001903	3.51	14.4	1002.857	0.9	0
HC02-22	AES12hour_100year	PWOPRMHS0001914	2.97	14.4	900	0.8	0
HC02-23	AES12hour_100year	PWOPRMHS0001858	0.4	42.8	160	1.1	0
HC02-24	AES12hour_100year	PWOPRMHS0001915	0.07	58.4	58.333	1.8	0
HC02-25	AES12hour_100year	PWOPRMHS0001916	1.13	45.9	513.636	2.9	0
HC02-26	AES12hour_100year	PWOPRMHS0001855	0.34	54.8	170	4.8	0

HC02-27	AES12hour_100year	PWOPRMHS0001857	0.75	18	227.273	5.1	0
HC02-28	AES12hour_100year	PWOPRMHS0001436	0.57	18	172.727	2.8	0
HC02-29	AES12hour_100year	PWOPRMHS0001435	0.53	40	160.606	0.9	0
HC02-30	AES12hour_100year	PWOPRMHS0001918	1.48	1.2	462.5	0.3	0
HC02-31	AES12hour_100year	PWOPRMHS0001908	2.42	15.2	711.765	1.8	0
HC02-32	AES12hour_100year	PWOPRMHS0001917	2.15	14.4	632.353	3.2	0
HC02-33	AES12hour_100year	PWOPRMHS0001917	0.83	15.2	244.118	0.5	0
HC02-34	AES12hour_100year	PWOPRMHS0001906	0.3	26	88.235	4.5	0
HC02-35	AES12hour_100year	PWOPRMHS0001912	1	1.6	333.333	0.8	0
HC02-36	AES12hour_100year	MHSWM4	0.44	5.6	440	2.1	0
HC02-37	AES12hour_100year	PWOPRMHS0001912	1.01	5.2	480.952	2.2	0
HC02-38	AES12hour_100year	PWOPRMHS0001765	3.11	13.6	914.706	0.5	0
HC02-39	AES12hour_100year	PWOPRMHS0001867	0.88	11.6	266.667	0.1	0
HC03-01	AES12hour_100year	PWOPRMHS0001626	2.24	32	1066.667	0.4	0
HC03-02	AES12hour_100year	PWOPRMHS0001625	0.8	15.2	258.065	3.1	0
HC03-03	AES12hour_100year	PWOPRMHS0001651	0.13	18.8	76.471	5.3	0
HC03-04	AES12hour_100year	PWOPRMHS0001655	1.03	18.8	343.333	2	0
HC03-05	AES12hour_100year	PWOPRMHS0001649	0.33	36.8	173.684	2.3	0
HC03-06	AES12hour_100year	PWOPRMHS0001659	5.16	13.8	1563.636	3.3	0
HC03-07	AES12hour_100year	PWOPRMHS0001658	1.81	15.2	583.871	1.5	0
HC03-08	AES12hour_100year	PWOPRMHS0002082	4.36	15.5	1321.212	3.5	0
HC03-09	AES12hour_100year	PWOPRMHS0002085	1.94	23.3	485	1.3	0
HC03-10	AES12hour_100year	PWOPRMHS0002084	1.69	12	512.121	1.9	0
HC03-11	AES12hour_100year	PWOPRMHS0002080	2.51	16.5	627.5	2.8	0
HC03-12	AES12hour_100year	PWOPRMHS0001891	1.18	14	357.576	0.3	0
HC03-13	AES12hour_100year	PWOPRMHS0001889	0.38	18.8	180.952	0.8	0
HC03-14	AES12hour_100year	PWOPRMHS0001890	0.13	58.4	56.522	0.7	0
HC03-15	AES12hour_100year	PWOPRMHS0001894	0.62	13.6	187.879	1.6	0
HC03-16	AES12hour_100year	PWOPRMHS0001660	0.31	21.2	100	1.1	0
HC03-17	AES12hour_100year	PWOPRMHS0001657	0.12	36.8	75	2.2	0
HC03-18	AES12hour_100year	PWOPRMHS0001663	0.1	64	100	0.4	0
HC03-19	AES12hour_100year	PWOPRMHS0001661B	7.88	8.4	3940	3.5	0
HC03-20	AES12hour_100year	PWOPRMHS0001662	1.5	2.4	500	0.6	0
HC04-01	AES12hour_100year	PWOPRMHS0002042	3.59	18	897.5	0.6	0
HC04-02	AES12hour_100year	PWOPRMHS0001874	0.66	13.9	200	1.5	0
HC04-03	AES12hour_100year	PWOPRMHS0001739	1.2	14.9	363.636	1	0
HC04-04	AES12hour_100year	PWOPRMHS0002041	5.28	18	812.308	1.1	0
HC04-05	AES12hour_100year	PWOPRMHS0001741	0.62	17.6	182.353	2.6	0
HC04-06	AES12hour_100year	PWOPRMHS0002051	1.07	17.6	324.242	0.6	0
HC04-07	AES12hour_100year	PWOPRMHS0001745	0.09	38.4	81.818	0.1	0
HC04-08	AES12hour_100year	PWOPRMHS0001746	0.34	15.5	79.07	1.5	0

HC04-09	AES12hour_100year	PWOPRMHS0001692	0.53	17.6	147.222	1	0
HC04-10	AES12hour_100year	PWOPRMHS0001743	0.62	17.6	177.143	0.6	0
HC04-11	AES12hour_100year	PWOPRMHS0001691	0.91	16.7	325	1.6	0
HC04-12	AES12hour_100year	PWOPRMHS0001919	2.2	13.2	687.5	0.7	0
HC04-13	AES12hour_100year	PWOPRMHS0001690	0.3	15.2	115.385	0.6	0
HC04-14	AES12hour_100year	PWOPRMHS0002095	2.79	14	734.211	0.3	0
HC04-15	AES12hour_100year	PWOPRMHS0003153	3.91	14	1221.875	0.8	0
HC04-16	AES12hour_100year	PWOPRMHS0001680	0.46	15.2	153.333	1	0
HC04-17	AES12hour_100year	PWOPRMHS0003160	2.26	17.6	904	0.9	0
HC04-18	AES12hour_100year	PWOPRMHS0003146	0.26	21.1	173.333	0.1	0
HC04-19	AES12hour_100year	PWOPRMHS0003149	1.3	12	361.111	1.5	0
HC04-20	AES12hour_100year	PWOPRMHS0003137	0.56	12	169.697	2.4	0
HC04-21	AES12hour_100year	PWOPRMHS0003136	0.15	17.2	75	1.2	0
HC04-22	AES12hour_100year	PWOPRMHS0001686	0.23	19.2	104.545	0.8	0
HC04-23	AES12hour_100year	PWOPRMHS0002046	0.56	17.6	329.412	2.4	0
HC04-24	AES12hour_100year	PWOPRMHS0001686	0.13	14.4	40.625	5	0
HC04-25	AES12hour_100year	PWOPRMHS0001682	0.78	13.6	236.364	1.5	0
HC04-26	AES12hour_100year	PWOPRMHS0001689	0.74	12.8	194.737	0.1	0
HC04-27	AES12hour_100year	PWOPRMHS0001705	0.36	10.8	109.091	1.4	0
HC04-28	AES12hour_100year	PWOPRMHS0001705	0.73	15.2	192.105	1.4	0
HC04-29	AES12hour_100year	PWOPRMHS0001706	3.62	13.6	1096.97	1.1	0
HC04-30	AES12hour_100year	PWOPRMHS0001678	1.94	14	554.286	1.5	0
HC04-31	AES12hour_100year	PWOPRMHS0001677	0.48	28	200	0.6	0
HC04-32	AES12hour_100year	PWOPRMHS0001676	0.34	15.2	97.143	0.8	0
HC04-33	AES12hour_100year	PWOPRMHS0001713	1.13	13.6	452	0.7	0
HC04-34	AES12hour_100year	37	1.55	5.6	620	0.6	0
HC04-35	AES12hour_100year	PWOPRMHS0001688	0.49	13.6	122.5	1.2	0
HC04-36	AES12hour_100year	PWOPRMHS0002050	2.93	32.5	1085.185	2.4	0
HC05-01	AES12hour_100year	PWOPRMHS0005188	5.99	12	1711.429	3.8	0
HC05-02	AES12hour_100year	PWOPRMHS0005196	3.23	12.4	769.048	3.2	0
HC05-03	AES12hour_100year	PWOPRMHS0005183	0.11	76	110	2.7	0
HC05-04	AES12hour_100year	PWOPRMHS0005181	0.49	11.2	175	1.1	0
HC05-05	AES12hour_100year	PWOPRMHS0005179	0.92	15	224.39	0.5	0
HC05-06	AES12hour_100year	PWOPRMHS0005223	0.42	16.8	140	1.6	0
HC05-07	AES12hour_100year	PWOPRMHS0005226	0.73	13.2	208.571	1.4	0
HC05-08	AES12hour_100year	PWOPRMHS0005231	2.2	13.6	628.571	0.9	0
HC05-09	AES12hour_100year	PWOPRMHS0005229	0.27	13.2	108	0.1	0
HC05-10	AES12hour_100year	PWOPRMHS0005230	0.35	17.6	250	1.4	0
HC05-11	AES12hour_100year	24	3.17	5.2	1509.524	1.5	0
HC06-01	AES12hour_100year	PWOPRMHS0005009	0.32	15.2	160	0.5	0
HC06-02	AES12hour_100year	PWOPRMHS0005008	0.65	14.8	216.667	0.3	0

HC06-03	AES12hour_100year	PWOPRMHS0005012	1.49	0	175.294	0.6	0
HC06-04	AES12hour_100year	PWOPRMHS0005011	1.11	0.4	584.211	0.1	0
HC06-05	AES12hour_100year	PWOPRMHS0004137	0.35	10.8	109.375	1.1	0
HC06-06	AES12hour_100year	PWOPRMHS0004135	1.57	12.8	402.564	2.7	0
HC06-07	AES12hour_100year	PWOPRMHS0004133	0.4	11.2	117.647	5.9	0
HC06-08	AES12hour_100year	PWOPRMHS0004201	4.15	14.4	1383.333	2.9	0
HC06-09	AES12hour_100year	PWOPRMHS0004159	2.61	13	1044	3.2	0
HC06-10	AES12hour_100year	PWOPRMHS0004129	2.4	12.8	705.882	2.9	0
HC06-11	AES12hour_100year	PWOPRMHS0004130	0.22	17.6	157.143	0.6	0
HC06-12	AES12hour_100year	PWOPRMHS0004131	0.2	24.8	133.333	0.7	0
HC06-13	AES12hour_100year	PWOPRMHS0004132	0.28	51.2	93.333	3.7	0
HC06-14	AES12hour_100year	PWOPRMHS0004143	1.81	23	786.957	0.4	0
HC06-15	AES12hour_100year	PWOPRMHS0005178	0.12	80	120	0.3	0
HC06-16	AES12hour_100year	PWOPRMHS0004142	0.28	67	121.739	1.1	0
HC06-17	AES12hour_100year	PWOPRMHS0004142	1.54	22	550	0.4	0
HC06-18	AES12hour_100year	PWOPRMHS0005001	2.66	55.4	1209.091	0.4	0
HC06-19	AES12hour_100year	PWOPRMHS0004999	0.03	80	30	2.5	0
HC06-20	AES12hour_100year	PWOPRMHS0005000	0.21	80	210	0.4	0
HC06-21	AES12hour_100year	PWOPRMHS0001598	1.27	67	317.5	0.1	0
HC06-22	AES12hour_100year	PWOPRMHS0004998	0.06	80	60	1.6	0
HC06-23	AES12hour_100year	PWOPRMHS0001601	1.5	70	357.143	0.4	0
HC06-24	AES12hour_100year	PWOPRMHS0001602	0.12	80	120	0.9	0
HC06-25	AES12hour_100year	PWOPRMHS0001600	3.35	17.6	1046.875	3.8	0
HC06-26	AES12hour_100year	PWOPRMHS0001605	2.64	25.6	880	0.5	0
HC06-27	AES12hour_100year	PWOPRMHS0001603	0.16	76	160	0.6	0
HC06-28	AES12hour_100year	PWOPRMHS0001604	0.2	80	50	0.5	0
HC06-29	AES12hour_100year	PWOPRMHS0001606	1.24	8	364.706	0.6	0
HC06-30	AES12hour_100year	PWOPRMHS0001670	0.33	48	100	1.5	0
HC06-31	AES12hour_100year	42	1.81	1.6	754.167	1.8	0
HC06-32	AES12hour_100year	PWOPRMHS0005003	1.35	5.2	421.875	0.4	0
HC07-01	AES12hour_100year	PWOPRMHS0001697	3.02	17.2	915.152	0.2	0
HC07-02	AES12hour_100year	PWOPRMHS0001733	1.15	18.8	396.552	0.5	0
HC07-03	AES12hour_100year	PWOPRMHS0001736	0.37	15.2	246.667	0.6	0
HC07-04	AES12hour_100year	PWOPRMHS0001878	0.34	11.6	100	0.8	0
HC07-05	AES12hour_100year	PWOPRMHS0001614	0.29	15.2	85.294	0.1	0
HC07-06	AES12hour_100year	PWOPRMHS0001881	2.06	14	515	0.3	0
HC07-07	AES12hour_100year	PWOPRMHS0001643	0.38	14	95	1	0
HC07-08	AES12hour_100year	PWOPRMHS0001642	0.19	57.6	47.5	0.1	0
HC07-09	AES12hour_100year	PWOPRMHS0001611	0.25	17.6	92.593	3.3	0
HC08-01	AES12hour_100year	PWOPRMHS0005908	0.69	17.2	222.581	0.7	0
HC08-02	AES12hour_100year	PWOPRMHS0005909	2.32	18.8	644.444	0.5	0

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HC08-03          AES12hour_100year PWOPRMHS0005924 2        15.2     588.235  0.4      0
HC08-04          AES12hour_100year PWOPRMHS0005926 0.69     11.6     143.75   0.6      0
HC08-05          AES12hour_100year PWOPRMHS0005927 0.65     15.2     191.176  1.1      0
HC08-06          AES12hour_100year PWOPRMHS0005932 1.18     14       310.526  1        0
HC08-07          AES12hour_100year PWOPRMHS0005944 0.55     14       134.146  1.4      0
HC08-08          AES12hour_100year PWOPRMHS0005931 0.41     57.6     215.789  0.4      0
HC08-09          AES12hour_100year PWOPRMHS0005946 1.78     17.6     508.571  0.5      0
HC08-10          AES12hour_100year PWOPRMHS0005930 1.32     1.6      660      1.4      0
HC09-01          AES12hour_100year PWOPRMHS0001390 0.95     20       237.5    0.3      0
HC09-02          AES12hour_100year PWOPRMHS0001392 1.03     14       302.941  1        0
HC09-03          AES12hour_100year PWOPRMHS0001402 0.97     15.2     269.444  0.6      0
HC09-04          AES12hour_100year PWOPRMHS0001395 2.54     11.2     819.355  0.9      0
HC09-05          AES12hour_100year PWOPRMHS0001398 2.6      12.4     702.703  1.3      0
HC09-06          AES12hour_100year PWOPRMHS0001401 1.23     12       476.744  0.7      0
HC09-07          AES12hour_100year 36               0.48     8        266.667  0.3      0
HC10-01          AES12hour_100year PWOPRMHS0001408 4.47     12.3     1064.286 1.7      0
HC10-02          AES12hour_100year PWOPRMHS0001467 2.53     28.3     527.083  1.3      0
HC10-03          AES12hour_100year PWOPRMHS0001393 1.86     26.9     422.727  0.4      0
HC10-04          AES12hour_100year PWOPRMHS0001424 1.84     15.5     418.182  2.8      0
HC10-05          AES12hour_100year PWOPRMHS0001389 2.41     14.2     535.556  0.5      0
HC10-06          AES12hour_100year PWOPRMHS0001388 1.33     12.4     369.444  0.6      0
HC10-07          AES12hour_100year PWOPRMHS0001429 1.71     16.5     488.571  1.2      0
HC10-08          AES12hour_100year PWOPRMHS0001371 1.19     14.9     476      3.7      0
HC10-09          AES12hour_100year MHEasement2     1.39     12.2     315.909  1.1      0
HC10-10          AES12hour_100year PWOPRMHS0001423 0.28     14.9     93.333   1.9      0
HC10-11          AES12hour_100year PWOPRMHS0001422 0.27     19.5     158.824  2.1      0
HC10-12          AES12hour_100year 50               0.9      2.4      428.571  0.7      0
HC10-13          AES12hour_100year MHEasement1     0.59     16       131.111  0.8      0
HC10-14          AES12hour_100year PWOPRMHS0001374 0.46     16.3     115      2.1      0
HC10-15          AES12hour_100year PWOPRMHS0001420 0.4      16.5     160      1.6      0

[SUBAREAS]
;;Subcatchment   N-Imperv   N-Perv     S-Imperv   S-Perv     PctZero    RouteTo    PctRouted
;;-------------- ---------- ---------- ---------- ---------- ---------- ---------- ----------
A1               0.013      0.2        1          5          25         OUTLET
A1.1             0.013      0.2        1          5          25         OUTLET
A1.1_FRST        0.013      0.2        1          7          25         OUTLET
A2               0.013      0.2        1          5          25         OUTLET
A2.1             0.013      0.2        1          5          25         OUTLET
A2.1_FRST        0.013      0.2        1          7          25         OUTLET
A2.2             0.013      0.2        1          5          25         OUTLET
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A2.2_FRST	0.013	0.2	1	7	25	OUTLET
A3	0.013	0.2	1	5	25	OUTLET
A3.1	0.013	0.2	1	5	25	OUTLET
A3.1_FRST	0.013	0.2	1	7	25	OUTLET
A3.2	0.013	0.2	1	5	25	OUTLET
A3.2_FRST	0.013	0.2	1	7	25	OUTLET
A3.3	0.013	0.2	1	5	25	OUTLET
A3.3_FRST	0.013	0.2	1	7	25	OUTLET
A4	0.013	0.2	1	5	25	OUTLET
A4.1	0.013	0.2	1	5	25	OUTLET
A4.1_FRST	0.013	0.2	1	7	25	OUTLET
A4.2	0.013	0.2	1	5	25	OUTLET
A4.2_FRST	0.013	0.2	1	7	25	OUTLET
A4.3	0.013	0.2	1	5	25	OUTLET
A4.3_FRST	0.013	0.2	1	7	25	OUTLET
A4.4_FRST	0.013	0.2	1	7	25	OUTLET
A4.5	0.013	0.2	1	5	25	OUTLET
A4.5_FRST	0.013	0.2	1	7	25	OUTLET
A4.6	0.013	0.2	1	5	25	OUTLET
A4.6_FRST	0.013	0.2	1	7	25	OUTLET
B1	0.013	0.2	1	5	25	OUTLET
B1.1	0.013	0.2	1	5	25	OUTLET
B1.1_FRST	0.013	0.2	1	7	25	OUTLET
B2	0.013	0.2	1	5	25	OUTLET
B2.1	0.013	0.2	1	5	25	OUTLET
B2.1_FRST	0.013	0.2	1	7	25	OUTLET
C1	0.013	0.2	1	5	25	OUTLET
C1.1	0.013	0.2	1	5	25	OUTLET
C1.1_FRST	0.013	0.2	1	7	25	OUTLET
D1	0.013	0.2	1	5	25	OUTLET
D1.1	0.013	0.2	1	5	25	OUTLET
D1.1_FRST	0.013	0.2	1	7	25	OUTLET
D2	0.013	0.2	1	5	25	OUTLET
D2.1	0.013	0.2	1	5	25	OUTLET
D2.1_FRST	0.013	0.2	1	7	25	OUTLET
D3	0.013	0.2	1	5	25	OUTLET
D3.1	0.013	0.2	1	5	25	OUTLET
D4	0.013	0.2	1	5	25	OUTLET
D4.1	0.013	0.2	1	5	25	OUTLET
D4.1_FRST	0.013	0.2	1	7	25	OUTLET
E1	0.013	0.2	1	5	25	OUTLET

E1.1	0.013	0.2	1	5	25	OUTLET
E1.1_FRST	0.013	0.2	1	7	25	OUTLET
E2	0.013	0.2	1	5	25	OUTLET
E2.1	0.013	0.2	1	5	25	OUTLET
E2.1_FRST	0.013	0.2	1	7	25	OUTLET
E3	0.013	0.2	1	5	25	OUTLET
E3.1	0.013	0.2	1	5	25	OUTLET
E3.1_FRST	0.013	0.2	1	7	25	OUTLET
HC01-01	0.013	0.2	1	5	25	OUTLET
HC01-02	0.013	0.2	1	5	25	OUTLET
HC01-03	0.013	0.2	1	5	25	OUTLET
HC01-04	0.013	0.2	1	5	25	OUTLET
HC01-05	0.013	0.2	1	5	25	OUTLET
HC01-06	0.013	0.2	1	5	25	OUTLET
HC01-07	0.013	0.2	1	5	25	OUTLET
HC01-08	0.013	0.2	1	5	25	OUTLET
HC01-09	0.013	0.2	1	5	25	OUTLET
HC01-10	0.013	0.2	1	5	25	OUTLET
HC01-11	0.013	0.2	1	5	25	OUTLET
HC01-12	0.013	0.2	1	5	25	OUTLET
HC02-01	0.013	0.2	1	5	25	OUTLET
HC02-02	0.013	0.2	1	5	25	OUTLET
HC02-03	0.013	0.2	1	5	25	OUTLET
HC02-04	0.013	0.2	1	5	25	OUTLET
HC02-05	0.013	0.2	1	5	25	OUTLET
HC02-06	0.013	0.2	1	5	25	OUTLET
HC02-07	0.013	0.2	1	5	25	OUTLET
HC02-08	0.013	0.2	1	5	25	OUTLET
HC02-09	0.013	0.2	1	5	25	OUTLET
HC02-10	0.013	0.2	1	5	25	OUTLET
HC02-11	0.013	0.2	1	5	25	OUTLET
HC02-12	0.013	0.2	1	5	25	OUTLET
HC02-13	0.013	0.2	1	5	25	OUTLET
HC02-14	0.013	0.2	1	5	25	OUTLET
HC02-15	0.013	0.2	1	5	25	OUTLET
HC02-16	0.013	0.2	1	5	25	OUTLET
HC02-17	0.013	0.2	1	5	25	OUTLET
HC02-18	0.013	0.2	1	5	25	OUTLET
HC02-19	0.013	0.2	1	5	25	OUTLET
HC02-20	0.013	0.2	1	5	25	OUTLET
HC02-21	0.013	0.2	1	5	25	OUTLET

HC02-22	0.013	0.2	1	5	25	OUTLET
HC02-23	0.013	0.2	1	5	25	OUTLET
HC02-24	0.013	0.2	1	5	25	OUTLET
HC02-25	0.013	0.2	1	5	25	OUTLET
HC02-26	0.013	0.2	1	5	25	OUTLET
HC02-27	0.013	0.2	1	5	25	OUTLET
HC02-28	0.013	0.2	1	5	25	OUTLET
HC02-29	0.013	0.2	1	5	25	OUTLET
HC02-30	0.013	0.2	1	5	25	OUTLET
HC02-31	0.013	0.2	1	5	25	OUTLET
HC02-32	0.013	0.2	1	5	25	OUTLET
HC02-33	0.013	0.2	1	5	25	OUTLET
HC02-34	0.013	0.2	1	5	25	OUTLET
HC02-35	0.013	0.2	1	5	25	OUTLET
HC02-36	0.013	0.2	1	5	25	OUTLET
HC02-37	0.013	0.2	1	5	25	OUTLET
HC02-38	0.013	0.2	1	5	25	OUTLET
HC02-39	0.013	0.2	1	5	25	OUTLET
HC03-01	0.013	0.2	1	5	25	OUTLET
HC03-02	0.013	0.2	1	5	25	OUTLET
HC03-03	0.013	0.2	1	5	25	OUTLET
HC03-04	0.013	0.2	1	5	25	OUTLET
HC03-05	0.013	0.2	1	5	25	OUTLET
HC03-06	0.013	0.2	1	5	25	OUTLET
HC03-07	0.013	0.2	1	5	25	OUTLET
HC03-08	0.013	0.2	1	5	25	OUTLET
HC03-09	0.013	0.2	1	5	25	OUTLET
HC03-10	0.013	0.2	1	5	25	OUTLET
HC03-11	0.013	0.2	1	5	25	OUTLET
HC03-12	0.013	0.2	1	5	25	OUTLET
HC03-13	0.013	0.2	1	5	25	OUTLET
HC03-14	0.013	0.2	1	5	25	OUTLET
HC03-15	0.013	0.2	1	5	25	OUTLET
HC03-16	0.013	0.2	1	5	25	OUTLET
HC03-17	0.013	0.2	1	5	25	OUTLET
HC03-18	0.013	0.2	1	5	25	OUTLET
HC03-19	0.013	0.2	1	5	25	OUTLET
HC03-20	0.013	0.2	1	5	25	OUTLET
HC04-01	0.013	0.2	1	5	25	OUTLET
HC04-02	0.013	0.2	1	5	25	OUTLET
HC04-03	0.013	0.2	1	5	25	OUTLET

HC04-04	0.013	0.2	1	5	25	OUTLET
HC04-05	0.013	0.2	1	5	25	OUTLET
HC04-06	0.013	0.2	1	5	25	OUTLET
HC04-07	0.013	0.2	1	5	25	OUTLET
HC04-08	0.013	0.2	1	5	25	OUTLET
HC04-09	0.013	0.2	1	5	25	OUTLET
HC04-10	0.013	0.2	1	5	25	OUTLET
HC04-11	0.013	0.2	1	5	25	OUTLET
HC04-12	0.013	0.2	1	5	25	OUTLET
HC04-13	0.013	0.2	1	5	25	OUTLET
HC04-14	0.013	0.2	1	5	25	OUTLET
HC04-15	0.013	0.2	1	5	25	OUTLET
HC04-16	0.013	0.2	1	5	25	OUTLET
HC04-17	0.013	0.2	1	5	25	OUTLET
HC04-18	0.013	0.2	1	5	25	OUTLET
HC04-19	0.013	0.2	1	5	25	OUTLET
HC04-20	0.013	0.2	1	5	25	OUTLET
HC04-21	0.013	0.2	1	5	25	OUTLET
HC04-22	0.013	0.2	1	5	25	OUTLET
HC04-23	0.013	0.2	1	5	25	OUTLET
HC04-24	0.013	0.2	1	5	25	OUTLET
HC04-25	0.013	0.2	1	5	25	OUTLET
HC04-26	0.013	0.2	1	5	25	OUTLET
HC04-27	0.013	0.2	1	5	25	OUTLET
HC04-28	0.013	0.2	1	5	25	OUTLET
HC04-29	0.013	0.2	1	5	25	OUTLET
HC04-30	0.013	0.2	1	5	25	OUTLET
HC04-31	0.013	0.2	1	5	25	OUTLET
HC04-32	0.013	0.2	1	5	25	OUTLET
HC04-33	0.013	0.2	1	5	25	OUTLET
HC04-34	0.013	0.2	1	5	25	OUTLET
HC04-35	0.013	0.2	1	5	25	OUTLET
HC04-36	0.013	0.2	1	5	25	OUTLET
HC05-01	0.013	0.2	1	5	25	OUTLET
HC05-02	0.013	0.2	1	5	25	OUTLET
HC05-03	0.013	0.2	1	5	25	OUTLET
HC05-04	0.013	0.2	1	5	25	OUTLET
HC05-05	0.013	0.2	1	5	25	OUTLET
HC05-06	0.013	0.2	1	5	25	OUTLET
HC05-07	0.013	0.2	1	5	25	OUTLET
HC05-08	0.013	0.2	1	5	25	OUTLET

HC05-09	0.013	0.2	1	5	25	OUTLET
HC05-10	0.013	0.2	1	5	25	OUTLET
HC05-11	0.013	0.2	1	5	25	OUTLET
HC06-01	0.013	0.2	1	5	25	OUTLET
HC06-02	0.013	0.2	1	5	25	OUTLET
HC06-03	0.013	0.2	1	5	25	OUTLET
HC06-04	0.013	0.2	1	5	25	OUTLET
HC06-05	0.013	0.2	1	5	25	OUTLET
HC06-06	0.013	0.2	1	5	25	OUTLET
HC06-07	0.013	0.2	1	5	25	OUTLET
HC06-08	0.013	0.2	1	5	25	OUTLET
HC06-09	0.013	0.2	1	5	25	OUTLET
HC06-10	0.013	0.2	1	5	25	OUTLET
HC06-11	0.013	0.2	1	5	25	OUTLET
HC06-12	0.013	0.2	1	5	25	OUTLET
HC06-13	0.013	0.2	1	5	25	OUTLET
HC06-14	0.013	0.2	1	5	25	OUTLET
HC06-15	0.013	0.2	1	5	25	OUTLET
HC06-16	0.013	0.2	1	5	25	OUTLET
HC06-17	0.013	0.2	1	5	25	OUTLET
HC06-18	0.013	0.2	1	5	25	OUTLET
HC06-19	0.013	0.2	1	5	25	OUTLET
HC06-20	0.013	0.2	1	5	25	OUTLET
HC06-21	0.013	0.2	1	5	25	OUTLET
HC06-22	0.013	0.2	1	5	25	OUTLET
HC06-23	0.013	0.2	1	5	25	OUTLET
HC06-24	0.013	0.2	1	5	25	OUTLET
HC06-25	0.013	0.2	1	5	25	OUTLET
HC06-26	0.013	0.2	1	5	25	OUTLET
HC06-27	0.013	0.2	1	5	25	OUTLET
HC06-28	0.013	0.2	1	5	25	OUTLET
HC06-29	0.013	0.2	1	5	25	OUTLET
HC06-30	0.013	0.2	1	5	25	OUTLET
HC06-31	0.013	0.2	1	5	25	OUTLET
HC06-32	0.013	0.2	1	5	25	OUTLET
HC07-01	0.013	0.2	1	5	25	OUTLET
HC07-02	0.013	0.2	1	5	25	OUTLET
HC07-03	0.013	0.2	1	5	25	OUTLET
HC07-04	0.013	0.2	1	5	25	OUTLET
HC07-05	0.013	0.2	1	5	25	OUTLET
HC07-06	0.013	0.2	1	5	25	OUTLET

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HC07-07          0.013      0.2        1          5          25         OUTLET
HC07-08          0.013      0.2        1          5          25         OUTLET
HC07-09          0.013      0.2        1          5          25         OUTLET
HC08-01          0.013      0.2        1          5          25         OUTLET
HC08-02          0.013      0.2        1          5          25         OUTLET
HC08-03          0.013      0.2        1          5          25         OUTLET
HC08-04          0.013      0.2        1          5          25         OUTLET
HC08-05          0.013      0.2        1          5          25         OUTLET
HC08-06          0.013      0.2        1          5          25         OUTLET
HC08-07          0.013      0.2        1          5          25         OUTLET
HC08-08          0.013      0.2        1          5          25         OUTLET
HC08-09          0.013      0.2        1          5          25         OUTLET
HC08-10          0.013      0.2        1          5          25         OUTLET
HC09-01          0.013      0.2        1          5          25         OUTLET
HC09-02          0.013      0.2        1          5          25         OUTLET
HC09-03          0.013      0.2        1          5          25         OUTLET
HC09-04          0.013      0.2        1          5          25         OUTLET
HC09-05          0.013      0.2        1          5          25         OUTLET
HC09-06          0.013      0.2        1          5          25         OUTLET
HC09-07          0.013      0.2        1          5          25         OUTLET
HC10-01          0.013      0.2        1          5          25         OUTLET
HC10-02          0.013      0.2        1          5          25         OUTLET
HC10-03          0.013      0.2        1          5          25         OUTLET
HC10-04          0.013      0.2        1          5          25         OUTLET
HC10-05          0.013      0.2        1          5          25         OUTLET
HC10-06          0.013      0.2        1          5          25         OUTLET
HC10-07          0.013      0.2        1          5          25         OUTLET
HC10-08          0.013      0.2        1          5          25         OUTLET
HC10-09          0.013      0.2        1          5          25         OUTLET
HC10-10          0.013      0.2        1          5          25         OUTLET
HC10-11          0.013      0.2        1          5          25         OUTLET
HC10-12          0.013      0.2        1          5          25         OUTLET
HC10-13          0.013      0.2        1          5          25         OUTLET
HC10-14          0.013      0.2        1          5          25         OUTLET
HC10-15          0.013      0.2        1          5          25         OUTLET

[INFILTRATION]
;;Subcatchment   Suction    HydCon     IMDmax
;;-------------- ---------- ---------- ----------
A1               166        5          0.2
A1.1             248        2          0.2
```

A1.1_FRST	227	3	0.2
A2	192	5	0.2
A2.1	238	4	0.2
A2.1_FRST	235	5	0.2
A2.2	244	3	0.2
A2.2_FRST	229	5	0.2
A3	157	8	0.2
A3.1	250	2	0.2
A3.1_FRST	238	5	0.2
A3.2	242	3	0.2
A3.2_FRST	193	7	0.2
A3.3	249	2	0.2
A3.3_FRST	179	8	0.2
A4	156	6	0.2
A4.1	247	2	0.2
A4.1_FRST	210	6	0.2
A4.2	250	2	0.2
A4.2_FRST	220	4	0.2
A4.3	243	3	0.2
A4.3_FRST	154	9	0.2
A4.4_FRST	144	10	0.2
A4.5	245	2	0.2
A4.5_FRST	233	3	0.2
A4.6	193	7	0.2
A4.6_FRST	152	9	0.2
B1	250	2	0.2
B1.1	250	2	0.2
B1.1_FRST	250	2	0.2
B2	250	2	0.2
B2.1	250	2	0.2
B2.1_FRST	250	2	0.2
C1	147	5	0.2
C1.1	236	3	0.2
C1.1_FRST	151	5	0.2
D1	145	7	0.2
D1.1	147	10	0.2
D1.1_FRST	146	7	0.2
D2	146	6	0.2
D2.1	155	9	0.2
D2.1_FRST	145	8	0.2
D3	172	5	0.2

D3.1	160	9	0.2
D4	145	7	0.2
D4.1	172	8	0.2
D4.1_FRST	150	8	0.2
E1	213	5	0.2
E1.1	188	5	0.2
E1.1_FRST	166	7	0.2
E2	233	3	0.2
E2.1	250	2	0.2
E2.1_FRST	241	3	0.2
E3	170	9	0.2
E3.1	217	5	0.2
E3.1_FRST	201	6	0.2
HC01-01	237	4.6	0.2
HC01-02	237	4.5	0.2
HC01-03	237	4.5	0.2
HC01-04	237	4.7	0.2
HC01-05	237	4.5	0.2
HC01-06	237	4.5	0.2
HC01-07	237	4.5	0.2
HC01-08	237	4.5	0.2
HC01-09	237	4.5	0.2
HC01-10	237	4.5	0.2
HC01-11	237	4.5	0.2
HC01-12	146	4.5	0.2
HC02-01	237	4.4	0.2
HC02-02	237	3.9	0.2
HC02-03	237	4.1	0.2
HC02-04	237	4.3	0.2
HC02-05	237	4.4	0.2
HC02-06	237	4.4	0.2
HC02-07	237	4.5	0.2
HC02-08	237	4.6	0.2
HC02-09	237	4.5	0.2
HC02-10	237	4.6	0.2
HC02-11	237	4.5	0.2
HC02-12	237	4.6	0.2
HC02-13	237	4.6	0.2
HC02-14	237	4.6	0.2
HC02-15	237	4.5	0.2
HC02-16	144	9.7	0.2

HC02-17	146	4.5	0.2
HC02-18	144	9.7	0.2
HC02-19	144	9.6	0.2
HC02-20	237	4.3	0.2
HC02-21	237	4.5	0.2
HC02-22	237	4.5	0.2
HC02-23	237	4.1	0.2
HC02-24	237	3.6	0.2
HC02-25	237	4	0.2
HC02-26	237	3.8	0.2
HC02-27	144	9.6	0.2
HC02-28	144	9.6	0.2
HC02-29	144	9.3	0.2
HC02-30	144	10.4	0.2
HC02-31	144	9.5	0.2
HC02-32	144	9.6	0.2
HC02-33	144	9.5	0.2
HC02-34	144	9.3	0.2
HC02-35	144	10.3	0.2
HC02-36	144	10	0.2
HC02-37	144	10	0.2
HC02-38	237	4.5	0.2
HC02-39	237	4.6	0.2
HC03-01	237	3.7	0.2
HC03-02	237	4.4	0.2
HC03-03	237	4.4	0.2
HC03-04	237	4.4	0.2
HC03-05	237	4.2	0.2
HC03-06	237	4.5	0.2
HC03-07	237	4.4	0.2
HC03-08	144	9.9	0.2
HC03-09	144	10	0.2
HC03-10	144	9.9	0.2
HC03-11	144	9.9	0.2
HC03-12	144	9.7	0.2
HC03-13	144	9.5	0.2
HC03-14	144	7.6	0.2
HC03-15	144	9.7	0.2
HC03-16	144	9.5	0.2
HC03-17	237	4.2	0.2
HC03-18	237	3.6	0.2

HC03-19	237	4.7	0.2
HC03-20	237	4.7	0.2
HC04-01	146	4.6	0.2
HC04-02	144	10	0.2
HC04-03	144	10	0.2
HC04-04	146	4.6	0.2
HC04-05	144	9.8	0.2
HC04-06	144	9.8	0.2
HC04-07	144	9.1	0.2
HC04-08	144	9.9	0.2
HC04-09	144	9.8	0.2
HC04-10	144	9.8	0.2
HC04-11	144	10.2	0.2
HC04-12	144	9.8	0.2
HC04-13	144	9.5	0.2
HC04-14	237	4.5	0.2
HC04-15	237	4.5	0.2
HC04-16	237	4.4	0.2
HC04-17	237	4.5	0.2
HC04-18	237	4.5	0.2
HC04-19	237	4.6	0.2
HC04-20	237	4.6	0.2
HC04-21	237	4.5	0.2
HC04-22	237	4.5	0.2
HC04-23	237	4.6	0.2
HC04-24	237	4.5	0.2
HC04-25	146	4.5	0.2
HC04-26	144	9.8	0.2
HC04-27	237	4.6	0.2
HC04-28	144	9.5	0.2
HC04-29	146	4.5	0.2
HC04-30	146	4.5	0.2
HC04-31	144	9.4	0.2
HC04-32	144	9.5	0.2
HC04-33	144	9.7	0.2
HC04-34	144	10	0.2
HC04-35	144	9.7	0.2
HC04-36	146	4.3	0.2
HC05-01	146	4.6	0.2
HC05-02	146	4.6	0.2
HC05-03	144	5	0.2

HC05-04	144	10	0.2
HC05-05	144	9.3	0.2
HC05-06	144	9.7	0.2
HC05-07	144	9.8	0.2
HC05-08	144	9.7	0.2
HC05-09	144	9.8	0.2
HC05-10	144	9.6	0.2
HC05-11	144	10	0.2
HC06-01	237	4.4	0.2
HC06-02	237	4.4	0.2
HC06-03	237	4.8	0.2
HC06-04	237	4.8	0.2
HC06-05	237	4.5	0.2
HC06-06	237	4.5	0.2
HC06-07	146	4.5	0.2
HC06-08	237	4.5	0.2
HC06-09	237	4.5	0.2
HC06-10	237	4.5	0.2
HC06-11	146	4.4	0.2
HC06-12	146	4.4	0.2
HC06-13	144	8.2	0.2
HC06-14	144	7.8	0.2
HC06-15	144	3.5	0.2
HC06-16	144	5.9	0.2
HC06-17	144	8	0.2
HC06-18	144	8	0.2
HC06-19	144	3.5	0.2
HC06-20	144	3.5	0.2
HC06-21	144	6.6	0.2
HC06-22	144	3.5	0.2
HC06-23	144	6.2	0.2
HC06-24	144	3.5	0.2
HC06-25	146	4.4	0.2
HC06-26	144	9.7	0.2
HC06-27	144	5	0.2
HC06-28	144	3.5	0.2
HC06-29	146	4.7	0.2
HC06-30	146	4.2	0.2
HC06-31	144	10.3	0.2
HC06-32	144	10	0.2
HC07-01	144	9.7	0.2

HC07-02	144	9.8	0.2
HC07-03	144	9.6	0.2
HC07-04	144	9.7	0.2
HC07-05	144	9.8	0.2
HC07-06	144	9.7	0.2
HC07-07	144	9.8	0.2
HC07-08	144	9.6	0.2
HC07-09	144	10.3	0.2
HC08-01	146	4.5	0.2
HC08-02	146	4.4	0.2
HC08-03	144	9.5	0.2
HC08-04	146	4.6	0.2
HC08-05	146	4.3	0.2
HC08-06	146	4.5	0.2
HC08-07	146	4.5	0.2
HC08-08	146	3.7	0.2
HC08-09	146	4.2	0.2
HC08-10	146	4.7	0.2
HC09-01	144	10.1	0.2
HC09-02	144	10.2	0.2
HC09-03	144	9.9	0.2
HC09-04	144	10	0.2
HC09-05	144	9.9	0.2
HC09-06	144	9.9	0.2
HC09-07	144	9.7	0.2
HC10-01	144	10.1	0.2
HC10-02	144	9.4	0.2
HC10-03	144	9.6	0.2
HC10-04	144	9.9	0.2
HC10-05	144	10	0.2
HC10-06	144	9.9	0.2
HC10-07	144	9.9	0.2
HC10-08	144	10	0.2
HC10-09	144	9.9	0.2
HC10-10	144	10	0.2
HC10-11	144	9.8	0.2
HC10-12	144	10.3	0.2
HC10-13	144	9.9	0.2
HC10-14	144	9.9	0.2
HC10-15	144	9.9	0.2

```
[LID_CONTROLS]
;;               Type/Layer Parameters
;;-------------- ---------- ----------
LID_WETLAND      BC
LID_WETLAND      SURFACE    150        0.5        0.1        2.6        5
LID_WETLAND      SOIL       1000       0.45       0.12       0.06       220        45         55
LID_WETLAND      STORAGE    250        0.4        5          0
LID_WETLAND      DRAIN      0          0.5        6          6          0          0

[LID_USAGE]
;;Subcatchment   LID Process      Number  Area       Width      InitSatur  FromImprv  ToPerv     Report File
Drain to         FromPerv
;;-------------- ---------------- ------- ---------- ---------- ---------- ---------- ---------- ------------------
------ ---------------- ----------------
A1               LID_WETLAND      22      400        20         25         100        0          *
*                100
A2               LID_WETLAND      31      400        20         25         100        0          *
*                100
A3               LID_WETLAND      310     400        20         25         100        0          *
*                100
A4               LID_WETLAND      1130    400        20         25         100        0          *
*                100
B1               LID_WETLAND      3       400        20         25         100        0          *
*                100
B2               LID_WETLAND      4       400        20         25         100        0          *
*                100
C1               LID_WETLAND      17      400        20         25         100        0          *
*                100
D1               LID_WETLAND      71      400        20         25         100        0          *
*                100
D2               LID_WETLAND      75      400        20         25         100        0          *
*                100
D3               LID_WETLAND      51      400        20         25         100        0          *
*                100
D4               LID_WETLAND      13      400        20         25         100        0          *
*                100
E1               LID_WETLAND      35      400        20         25         100        0          *
*                100
E2               LID_WETLAND      5       400        20         25         100        0          *
*                100
E3               LID_WETLAND      32      400        20         25         100        0          *
*                100
```

```
[JUNCTIONS]
;;               Invert     Max.       Init.      Surcharge  Ponded
;;Name           Elev.      Depth      Depth      Depth      Area
;;-------------- ---------- ---------- ---------- ---------- ----------
1                332.644    3          0          0          0
11               316.607    3          0          0          0
12               315.5      3          0          0          0
;07
13               314.5      3          0          0          0
14               331.1      3          0          0          0
15               313.95     3          0          0          0
17               312        3          0          0          0
;02
18               322.5      3          0          0          0
19               323.5      3          0          0          0
2                324        3          0          0          0
20               330.1      0          0          0          0
;05
21               321.1      3          0          0          0
;03
22               321.5      3          0          0          0
24               320.5      3          0          0          0
25               321.103    3          0          0          0
26               327.931    3          0          0          0
27               326.5      3          0          0          0
28               326.1      3          0          0          0
29               323.893    3          0          0          0
3                330.57     3          0          0          0
30               320.5      3          0          0          0
;06
31               320.148    3          0          0          0
32               319        3          0          0          0
34               317.868    3          0          0          0
35               317.5      3          0          0          0
36               315.5      3          0          0          0
37               324.1      3          0          0          0
39               321.3      3          0          0          0
4                325        3          0          0          0
40               319.1      3          0          0          0
42               322.1      3          0          0          0
48               324.6      3          0          0          0
```

```
49                321.6      3          0          0          0
;01
5                 329.5      3          0          0          0
50                318.1      3          0          0          0
53                314.1      3          0          0          0
54                313.925    3          0          0          0
;08
56                301.1      3          0          0          0
6                 329        3          0          0          0
7                 318.1      3          0          0          0
8                 320.964    3          0          0          0
;04
9                 320.404    3          0          0          0
;NA
MHEasement1       319.07     3.83       0          0          0
;NA
MHEasement2       318.7      2          0          0          0
;Represents direct connection point of servicing from public school
;Rim elevation approximated by neighbouring MH values and contours
MHSchool          328.55     3.18       0          0.3        0
;NA
MHSWM4            319.25     4.3        0          0.3        0
;NA
PWOPRMHS0001369   319.39     2.49       0          0.3        0
;NA
PWOPRMHS0001370   319.27     3.33       0          0.3        0
;NA
PWOPRMHS0001371   319.82     3.07       0          0.3        0
;NA
PWOPRMHS0001372   320.15     3.07       0          0.3        0
;NA
PWOPRMHS0001373   320.02     2.26       0          0.3        0
;NA
PWOPRMHS0001374   319.69     2.9        0          0.3        0
;NA
PWOPRMHS0001375   319.57     2.83       0          0.3        0
;NA
PWOPRMHS0001386   318.61     2.05       0          0.3        0
;NA
PWOPRMHS0001387   318.75     2.27       0          0.3        0
;NA
```

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PWOPRMHS0001388  318.93     2.35       0          0.3        0
;NA
PWOPRMHS0001389  319.13     2.39       0          0.3        0
;NA
PWOPRMHS0001390  317.49     3.36       0          0.3        0
;NA
PWOPRMHS0001391  317.27     3.16       0          0.3        0
;NA
PWOPRMHS0001392  318.18     2.66       0          0.3        0
;NA
PWOPRMHS0001393  320.19     2.79       0          0.3        0
;NA
PWOPRMHS0001394  316.86     2.8        0          0.3        0
;NA
PWOPRMHS0001395  316.79     2.63       0          0.3        0
;NA
PWOPRMHS0001398  317.27     3.29       0          0.3        0
;NA
PWOPRMHS0001399  317.15     2.87       0          0.3        0
;NA
PWOPRMHS0001400  316.99     2.75       0          0.3        0
;NA
PWOPRMHS0001401  316.67     2.83       0          0.3        0
;NA
PWOPRMHS0001402  316.5      2.78       0          0.3        0
;NA
PWOPRMHS0001403  321.7      3.25       0          0.3        0
;NA
PWOPRMHS0001404  320.54     2.9        0          0.3        0
;NA
PWOPRMHS0001408  320.83     2.96       0          0.3        0
;NA
PWOPRMHS0001409  327.81     2.43       0          0.3        0
;NA
PWOPRMHS0001410  326.47     3.97       0          0.3        0
;NA
PWOPRMHS0001411  327.47     3.16       0          0.3        0
;NA
PWOPRMHS0001412  331.69     3.81       0          0.3        0
;NA
PWOPRMHS0001413  331.74     3.86       0          0.3        0
```

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;NA
PWOPRMHS0001415  319.68     2.59       0          0.3        0
;NA
PWOPRMHS0001416  318.99     4.22       0          0.3        0
;NA
PWOPRMHS0001418  318.73     3.45       0          0.3        0
;NA
PWOPRMHS0001419  319.99     3.16       0          0.3        0
;NA
PWOPRMHS0001420  320.5      3.14       0          0.3        0
;NA
PWOPRMHS0001421  320.94     3.21       0          0.3        0
;NA
PWOPRMHS0001422  320.28     2.33       0          0.3        0
;NA
PWOPRMHS0001423  320.43     2.8        0          0.3        0
;NA
PWOPRMHS0001424  320.96     2.34       0          0.3        0
;NA
PWOPRMHS0001428  323.21     3.02       0          0.3        0
;NA
PWOPRMHS0001429  321.35     3.17       0          0.3        0
;NA
PWOPRMHS0001430  321.23     2.88       0          0.3        0
;NA
PWOPRMHS0001431  323.01     3.1        0          0.3        0
;NA
PWOPRMHS0001433  319.78     3.9        0          0.3        0
;NA
PWOPRMHS0001435  319.64     2.89       0          0.3        0
;NA
PWOPRMHS0001436  318.35     5.33       0          0.3        0
;NA
PWOPRMHS0001437  319.38     3.85       0          0.5        0
;NA
PWOPRMHS0001438  318.2      4.24       0          0.3        0
;NA
PWOPRMHS0001467  320.92     2.97       0          0.3        0
PWOPRMHS0001597  324.78     2.86       0          0.3        0
PWOPRMHS0001598  325.49     2.11       0          0.3        0
PWOPRMHS0001600  324.66     3.3        0          0.3        0
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PWOPRMHS0001601  326.15     2          0          0.3        0
PWOPRMHS0001602  325.98     2          0          0.3        0
PWOPRMHS0001603  324.23     3.25       0          0.3        0
PWOPRMHS0001604  323.95     3.47       0          0.3        0
PWOPRMHS0001605  324.34     3.15       0          0.3        0
PWOPRMHS0001606  323.57     3.36       0          0.3        0
PWOPRMHS0001608  325.67     2.5        0          0.3        0
PWOPRMHS0001610  325.44     2.21       0          0.3        0
;NA
PWOPRMHS0001611  322.87     2.24       0          0.3        0
;NA
PWOPRMHS0001614  322.91     3.09       0          0.3        0
;NA
PWOPRMHS0001622  332.73     2.22       0          0.3        0
;NA
PWOPRMHS0001624  330.92     3.93       0          0.3        0
;NA
PWOPRMHS0001625  330.61     4.33       0          0.3        0
;NA
PWOPRMHS0001626  331        4.4        0          0.3        0
;NA
PWOPRMHS0001634  326.21     3.77       0          0.3        0
;NA
PWOPRMHS0001642  323.27     2.84       0          0.3        0
;NA
PWOPRMHS0001643  323.38     2.83       0          0.3        0
;NA
PWOPRMHS0001649  329.21     4.17       0          0.3        0
;NA
PWOPRMHS0001650  329.57     3.87       0          0.3        0
;NA
PWOPRMHS0001651  330.28     4.11       0          0.3        0
;NA
PWOPRMHS0001652  326.89     2.16       0          0.3        0
;NA
PWOPRMHS0001653  325.24     2.15       0          0.3        0
;NA
PWOPRMHS0001654  324.91     2.39       0          0.3        0
;NA
PWOPRMHS0001655  330        3.56       0          0.3        0
;NA
```

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PWOPRMHS0001657  324.58     2.47       0          0.3        0
;NA
PWOPRMHS0001658  324.92     2.21       0          0.3        0
;NA
PWOPRMHS0001659  325.31     2.46       0          0.3        0
;NA
PWOPRMHS0001660  324.1      2.85       0          0.3        0
;NA
PWOPRMHS0001661B 324.31     2.45       0          0.3        0
;NA
PWOPRMHS0001662  323.95     2.98       0          0.3        0
;NA
PWOPRMHS0001663  324.06     2.66       0          0.3        0
;NA
PWOPRMHS0001664  326.35     2.28       0          0.3        0
PWOPRMHS0001667  323.15     3.08       0          0.3        0
PWOPRMHS0001670  322.92     2          0          0.3        0
PWOPRMHS0001674  325.88     3.53       0          0.3        0
PWOPRMHS0001676  326.33     3.2        0          0.3        0
PWOPRMHS0001677  326.59     3.15       0          0.3        0
;Rim elevation estimated
PWOPRMHS0001678  327.01     2.79       0          0.3        0
PWOPRMHS0001679  335.89     2.66       0          0.3        0
PWOPRMHS0001680  335.06     3.4        0          0.3        0
PWOPRMHS0001682  328.1      3.89       0          0.3        0
PWOPRMHS0001686  328.55     3.6        0          0.3        0
PWOPRMHS0001687  326.4      3.48       0          0.3        0
PWOPRMHS0001688  326.1      3.34       0          0.3        0
PWOPRMHS0001689  326.61     3.68       0          0.3        0
PWOPRMHS0001690  326.74     3.56       0          0.3        0
PWOPRMHS0001691  326.982    3.598      0          0.3        0
PWOPRMHS0001692  327.57     3.44       0          0.3        0
;NA
PWOPRMHS0001695  322.25     3.57       0          0.3        0
;NA
PWOPRMHS0001697  323.91     3.11       0          0.3        0
PWOPRMHS0001705  328.53     3.5        0          0.3        0
PWOPRMHS0001706  327.14     3.06       0          0.3        0
PWOPRMHS0001713  325.51     3.65       0          0.3        0
PWOPRMHS0001729  329.08     3.52       0          0.3        0
PWOPRMHS0001732  328.98     3.3        0          0.3        0
```

```
;NA
PWOPRMHS0001733  324.05     2.7        0          0.3        0
;NA
PWOPRMHS0001736  323.4      3.15       0          0.3        0
PWOPRMHS0001739  328.89     3.32       0          0.3        0
PWOPRMHS0001740  328.72     3.33       0          0.3        0
PWOPRMHS0001741  329.48     2.76       0          0.3        0
PWOPRMHS0001743  327.29     3.33       0          0.3        0
PWOPRMHS0001744  327.73     3.33       0          0.3        0
PWOPRMHS0001745  328.06     3.3        0          0.3        0
PWOPRMHS0001746  327.93     3.33       0          0.3        0
;NA
PWOPRMHS0001761  329.15     2.76       0          0.3        0
;NA
PWOPRMHS0001764  327.46     3.78       0          0.3        0
;NA
PWOPRMHS0001765  328.04     2.39       0          0.3        0
;NA
PWOPRMHS0001766  328.32     2.41       0          0.3        0
;NA
PWOPRMHS0001767  327.25     3.62       0          0.3        0
;NA
PWOPRMHS0001768  327.85     2.58       0          0.3        0
;NA
PWOPRMHS0001788  322.94     3.97       0          0.3        0
;NA
PWOPRMHS0001791  325.59     5.96       0          0.3        0
;NA
PWOPRMHS0001792  325.24     6.82       0          0.3        0
;NA
PWOPRMHS0001796  326.65     4.02       0          0          0
;NA
PWOPRMHS0001797  326.4      4.83       0          0          0
;NA
PWOPRMHS0001798  326.06     5.77       0          0.3        0
;NA
PWOPRMHS0001804  331.98     3.61       0          0.3        0
;NA
PWOPRMHS0001836  324.56     5.25       0          0.3        0
;NA
PWOPRMHS0001855  326.21     3.73       0          0.3        0
```

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;NA
PWOPRMHS0001856  327.73     3.67       0          0.3        0
;NA
PWOPRMHS0001857  322.43     3.51       0          0.3        0
;NA
PWOPRMHS0001858  329.93     3.69       0          0.3        0
;NA
PWOPRMHS0001867  331.94     2.78       0          0.3        0
PWOPRMHS0001874  329.87     3.05       0          0.3        0
;NA
PWOPRMHS0001878  323.28     2.96       0          0.3        0
;NA
PWOPRMHS0001879  323.04     3.03       0          0.3        0
;NA
PWOPRMHS0001881  323.57     2.92       0          0.3        0
;NA
PWOPRMHS0001889  324.63     3.44       0          0.3        0
;NA
PWOPRMHS0001890  324.52     3.31       0          0.3        0
;NA
PWOPRMHS0001891  325.1      2.9        0          0.3        0
;NA
PWOPRMHS0001894  324.23     3          0          0.3        0
;NA
PWOPRMHS0001903  332.72     2.54       0          0.3        0
;NA
PWOPRMHS0001904  330.44     3.67       0          0.3        0
;NA
PWOPRMHS0001906  318.8      3.49       0          0.3        0
;NA
PWOPRMHS0001907  318.83     2.99       0          0.3        0
;NA
PWOPRMHS0001908  319.55     3.08       0          0.3        0
;NA
PWOPRMHS0001911  318.49     3.65       0          0.3        0
;NA
PWOPRMHS0001912  317.51     3.82       0          0.3        0
;NA
PWOPRMHS0001914  331.83     2.71       0          0.3        0
;NA
PWOPRMHS0001915  329.19     3.84       0          0.3        0
```

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;NA
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;NA
PWOPRMHS0001917  319.24     2.98       0          0.3        0
;NA
PWOPRMHS0001918  317.81     4.03       0          0.3        0
PWOPRMHS0001919  327.8      2.84       0          0.3        0
;NA
PWOPRMHS0001925  323.33     3.36       0          0.3        0
;NA
PWOPRMHS0001926  322.69     2.47       0          0.3        0
;NA
PWOPRMHS0001927  323.51     2.31       0          0.3        0
;NA
PWOPRMHS0001928  322.2      2.41       0          0.3        0
;NA
PWOPRMHS0001929  323.85     3.52       0          0.3        0
;NA
PWOPRMHS0001930  323.07     3.07       0          0.3        0
;NA
PWOPRMHS0001931  324.99     5.43       0          0.3        0
;NA
PWOPRMHS0001932  325.31     8.34       0          0.3        0
;NA
PWOPRMHS0001933  325.66     9.07       0          0.3        0
;NA
PWOPRMHS0001935  326.03     7.44       0          0.3        0
;NA
PWOPRMHS0001937  324.28     3.82       0          0.3        0
;NA
PWOPRMHS0001939  327.51     3.59       0          0.3        0
;NA
PWOPRMHS0001941  326.79     3.74       0          0          0
;NA
PWOPRMHS0001943  326.42     5.3        0          0.3        0
;NA
PWOPRMHS0001944  322.64     3          0          0.3        0
;NA
PWOPRMHS0001945  323.32     2.88       0          0.3        0
;NA
PWOPRMHS0001947  324.02     2.7        0          0.3        0
```

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PWOPRMHS0002041  329.07     2.98       0          0.3        0
PWOPRMHS0002042  329.56     4.01       0          0.3        0
PWOPRMHS0002046  330.72     2.86       0          0.3        0
PWOPRMHS0002050  328.97     2.87       0          0.3        0
PWOPRMHS0002051  328.27     3.3        0          0.3        0
;NA
PWOPRMHS0002080  325.23     3.1        0          0.3        0
;NA
PWOPRMHS0002082  326.71     4.05       0          0.3        0
;NA
PWOPRMHS0002083  325.32     3.61       0          0.3        0
;NA
PWOPRMHS0002084  324.97     3.82       0          0.3        0
;NA
PWOPRMHS0002085  329.39     3.11       0          0.3        0
PWOPRMHS0002095  336.04     3.41       0          0.3        0
PWOPRMHS0003136  328.89     3.7        0          0.3        0
PWOPRMHS0003137  329.5      3.26       0          0.3        0
PWOPRMHS0003140  327.35     2.76       0          0.3        0
PWOPRMHS0003146  334.6      3.92       0          0.3        0
PWOPRMHS0003147  333.79     2.72       0          0.3        0
PWOPRMHS0003148  331.89     3.16       0          0.3        0
PWOPRMHS0003149  330.86     3.81       0          0.3        0
PWOPRMHS0003153  336.16     2.43       0          0.3        0
PWOPRMHS0003160  335.5      2.92       0          0.3        0
PWOPRMHS0004129  329.07     2          0          0.3        0
PWOPRMHS0004130  328.83     2.13       0          0.3        0
PWOPRMHS0004131  328.57     2          0          0.3        0
PWOPRMHS0004132  328.13     2.51       0          0.3        0
PWOPRMHS0004133  328.79     2          0          0.3        0
PWOPRMHS0004134  331.94     2          0          0.3        0
PWOPRMHS0004135  332.43     2.02       0          0.3        0
PWOPRMHS0004137  334.38     2.53       0          0.3        0
PWOPRMHS0004141  327.38     2.19       0          0.3        0
PWOPRMHS0004142  327.04     2.46       0          0.3        0
PWOPRMHS0004143  327.78     2          0          0.3        0
PWOPRMHS0004146  332.4      2          0          0.3        0
PWOPRMHS0004159  329.63     2          0          0.3        0
PWOPRMHS0004201  329.52     2          0          0.3        0
PWOPRMHS0004998  326.73     2          0          0.3        0
PWOPRMHS0004999  327.49     2          0          0.3        0
```

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PWOPRMHS0005000  326.99     2.32       0          0.3        0
PWOPRMHS0005001  327.12     2.55       0          0.3        0
PWOPRMHS0005003  326.19     2          0          0.3        0
PWOPRMHS0005008  338.52     4.48       0          0.3        0
PWOPRMHS0005009  339.39     4.26       0          0.3        0
PWOPRMHS0005010  338.14     4.66       0          0.3        0
PWOPRMHS0005011  334.98     3.72       0          0.3        0
PWOPRMHS0005012  335.55     3.95       0          0.3        0
PWOPRMHS0005013  334.8      3.45       0          0.3        0
PWOPRMHS0005178  328.64     2          0          0.3        0
;NA
PWOPRMHS0005179  326.2      4.1        0          0.3        0
;NA
PWOPRMHS0005181  326.66     3.12       0          0.3        0
;NA
PWOPRMHS0005183  327.74     2.96       0          0.3        0
;NA
PWOPRMHS0005188  329.94     2.33       0          0.3        0
;NA
PWOPRMHS0005196  328.21     2.69       0          0.3        0
;NA
PWOPRMHS0005223  325.84     3.81       0          0.3        0
;NA
PWOPRMHS0005226  325.46     3.04       0          0.3        0
;NA
PWOPRMHS0005229  324.74     2.51       0          0.3        0
;NA
PWOPRMHS0005230  324.55     2.65       0          0.3        0
;NA
PWOPRMHS0005231  325.24     2.4        0          0.3        0
;NA
PWOPRMHS0005906  319.63     2          0          0.3        0
;NA
PWOPRMHS0005908  318.92     2.18       0          0.3        0
;NA
PWOPRMHS0005909  318.44     2.56       0          0.3        0
;NA
PWOPRMHS0005910  318.95     2.55       0          0.3        0
;NA
PWOPRMHS0005911  319.29     2.46       0          0.3        0
;NA
```

```
PWOPRMHS0005924  318.6      2.4        0          0.3        0
;NA
PWOPRMHS0005926  318.05     2.75       0          0.3        0
;NA
PWOPRMHS0005927  317.76     2.44       0          0.3        0
;NA
PWOPRMHS0005930  317.25     2.3        0          0.3        0
;NA
PWOPRMHS0005931  317.7      2          0          0.3        0
;NA
PWOPRMHS0005932  317.88     2          0          0.3        0
;NA
PWOPRMHS0005944  318.32     2.18       0          0.3        0
;NA
PWOPRMHS0005945  318.22     2          0          0.3        0
;NA
PWOPRMHS0005946  318.5      2          0          0.3        0
SWMPOND          322        3          0          0.3        0

[OUTFALLS]
;;               Invert     Outfall    Stage/Table      Tide
;;Name           Elev.      Type       Time Series      Gate     Route To
;;-------------- ---------- ---------- ---------------- -------- ----------------
A1_OVERFLOW      317        FREE                        NO       A1
A2_OVERFLOW      329        FREE                        NO       A2
A3_OVERFLOW      326        FREE                        NO       A3
A4_OVERFLOW      317        FREE                        NO       A4
B1_OVERFLOW      324        FREE                        NO       B1
B2_OVERFLOW      322        FREE                        NO       B2
C1_OVERFLOW      319        FREE                        NO       C1
D1_OVERFLOW      324.5      FREE                        NO       D1
D2_OVERFLOW      321        FREE                        NO       D3
D3_OVERFLOW      321.5      FREE                        NO       D3
D4_OVERFLOW      318        FREE                        NO       D4
E1_OVERFLOW      314        FREE                        NO       E1
E2_OVERFLOW      313.9      FREE                        NO       E2
HanlonCreek      300        FREE                        NO

[STORAGE]
;;               Invert   Max.       Init.      Storage    Curve                                  Evap.
;;Name           Elev.    Depth      Depth      Curve      Params                                 Frac.
Infiltration parameters
```

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;;-------------- -------- ---------- ---------- ---------- --------- --------- -------- -------- -------- ---------
--------------
S_A1             331      3          0          TABULAR    SWM_A1                     0        0
S_A2             330      3          0          TABULAR    SWM_A2                     0        0
S_A3             326      3          0          TABULAR    SWM_A3                     0        0
S_A4             318      3          0          TABULAR    SWM_A4                     0        0
S_B1             324      3          0          TABULAR    SWM_B1                     0        0
S_B2             322      3          0          TABULAR    SWM_B2                     0        0
S_C1             319      3          0          TABULAR    SWM_C1                     0        0
S_D1             324.5    3          0          TABULAR    SWM_D1                     0        0
S_D2             321      3          0          TABULAR    SWM_D2                     0        0
S_D3             321.5    3          0          TABULAR    SWM_D3                     0        0
S_D4             318      3          0          TABULAR    SWM_D4                     0        0
S_E1             314      3          0          TABULAR    SWM_E1                     0        0
S_E2             313.9    3          0          TABULAR    SWM_E2                     0        0

[CONDUITS]
;;               Inlet            Outlet                      Manning    Inlet      Outlet     Init.      Max.
;;Name           Node             Node             Length     N          Offset     Offset     Flow       Flow
;;-------------- ---------------- ---------------- ---------- ---------- ---------- ---------- ---------- ---------
-
1                1                14               360.305    0.013      0          0          0          0
10               24               9                457.949    0.013      0          0          0          0
11               18               42               301.149    0.013      0          0          0          0
12               S_B2             22               131.83     0.013      0          0          0          0
13               19               S_B1             124.967    0.013      0          0          0          0
14               19               18               146.578    0.013      0          0          0          0
15               22               25               93.126     0.013      0          0          0          0
16               2                8                631.141    0.013      324        320.964    0          0
17               25               24               181.69     0.013      0          0          0          0
18               9                7                420.604    0.013      0          0          0          0
19               11               12               195.669    0.013      0          0          0          0
2                S_A1             3                43.668     0.013      0          0          0          0
20               12               13               179.641    0.013      0          0          0          0
21               13               53               212.047    0.013      0          0          0          0
22               S_E1             15               69.292     0.013      0          0          0          0
23               15               54               67.515     0.013      0          0          0          0
24               S_E2             17               107.785    0.013      0          0          0          0
25               26               27               458.274    0.013      0          0          0          0
26               39               21               482.961    0.013      0          0          0          0
27               27               48               289.263    0.013      0          0          0          0
```

28	S_D1	29	122.671	0.013	0	0	0	0
29	30	31	89.546	0.013	0	0	0	0
3	3	20	432.496	0.013	0	0	0	0
30	31	32	191.886	0.013	0	0	0	0
31	32	50	225.886	0.013	0	0	0	0
32	S_D4	34	122.316	0.013	0	0	0	0
33	34	35	72.595	0.013	0	0	0	0
34	35	36	438.635	0.013	0	0	0	0
35	36	13	141.013	0.013	0	0	0	0
36	14	S_A1	34.424	0.013	0	331	0	0
37	S_D3	39	91.663	0.013	0	0	0	0
38	29	21	402.301	0.013	0	0	0	0
39	21	S_D2	78.042	0.013	0	0	0	0
4	S_A2	5	94.929	0.013	0	0	0	0
40	S_D2	30	55.409	0.013	0	0	0	0
41	17	56	1006.975	0.013	0	0	0	0
43	4	37	223.1	0.013	325	324.1	0	0
44	7	S_A4	45.027	0.013	0	317	0	0
45	7	A4_OVERFLOW	60.823	0.013	318.7	0	0	0
46	14	A1_OVERFLOW	16.01	0.013	331.7	0	0	0
47	S_A4	11	355.016	0.013	317	316.607	0	0
48	20	S_A2	28.029	0.013	330.1	330	0	0
49	20	A2_OVERFLOW	32.856	0.013	330.7	330	0	0
5	5	6	219.322	0.013	0	0	0	0
50	28	S_A3	102.047	0.013	326.1	326	0	0
51	28	A3_OVERFLOW	83.104	0.013	326.7	0	0	0
52	37	S_B1	30.885	0.013	324.1	324	0	0
53	37	B1_OVERFLOW	20.838	0.013	324.7	324	0	0
54	40	S_C1	40.45	0.013	319.1	319	0	0
55	40	C1_OVERFLOW	45.312	0.013	319.7	319	0	0
56	42	B2_OVERFLOW	25.741	0.013	322.7	322	0	0
57	42	S_B2	24.015	0.013	322.1	322	0	0
58	49	S_D3	59.379	0.013	321.6	321.5	0	0
59	49	D3_OVERFLOW	57.755	0.013	322.2	321.5	0	0
6	6	28	710.032	0.013	0	0	0	0
60	48	S_D1	64.088	0.013	324.6	324.5	0	0
61	48	D1_OVERFLOW	92.338	0.013	325.2	324.5	0	0
62	21	D2_OVERFLOW	83.528	0.013	321.7	321	0	0
63	50	S_D4	36.294	0.013	318.1	318	0	0
64	50	D4_OVERFLOW	20.059	0.013	318.7	318	0	0
65	54	S_E2	8.253	0.013	313.925	313.9	0	0

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66                54                E2_OVERFLOW       17.303     0.013      314.525    313.9      0          0
67                53                E1_OVERFLOW       16.462     0.013      314.7      314        0          0
68                53                S_E1              9.722      0.013      314.1      314        0          0
7                 S_A3              8                 610.067    0.013      0          0          0          0
70                56                HanlonCreek       345.809    0.013      301.1      301        0          0
8                 8                 9                 403.532    0.013      0          0          0          0
9                 S_C1              7                 306.084    0.013      0          0          0          0
;NA
PWOPRSES0001498   PWOPRMHS0001398   PWOPRMHS0001399   33         0.013      317.27     317.16     0          0
;NA
PWOPRSES0001507   PWOPRMHS0001408   PWOPRMHS0001404   46.5       0.013      320.83     320.66     0          0
;NA
PWOPRSES0001510   PWOPRMHS0001467   PWOPRMHS0001404   64         0.013      320.92     320.58     0          0
;NA
PWOPRSES0001511   PWOPRMHS0001423   PWOPRMHS0001422   25.1       0.013      320.43     320.3      0          0
;NA
PWOPRSES0001512   PWOPRMHS0001430   PWOPRMHS0001423   31.8       0.013      321.23     320.64     0          0
;NA
PWOPRSES0001515   PWOPRMHS0001428   PWOPRMHS0001429   57.9       0.013      323.21     321.45     0          0
;NA
PWOPRSES0001516   PWOPRMHS0001429   PWOPRMHS0001421   22.8       0.013      321.35     321.02     0          0
;NA
PWOPRSES0001518   PWOPRMHS0001431   PWOPRMHS0001372   63.5       0.013      323.01     320.26     0          0
;NA
PWOPRSES0001519   PWOPRMHS0001393   PWOPRMHS0001415   139.1      0.013      320.19     319.77     0          0
;NA
PWOPRSES0001520   PWOPRMHS0001394   PWOPRMHS0001402   74.3       0.013      316.86     316.6      0          0
;NA
PWOPRSES0001521   PWOPRMHS0001391   PWOPRMHS0001394   83.9       0.013      317.27     316.96     0          0
;NA
PWOPRSES0001522   PWOPRMHS0001390   PWOPRMHS0001391   38.1       0.013      317.49     317.41     0          0
;NA
PWOPRSES0001524   PWOPRMHS0001392   PWOPRMHS0001391   54.7       0.013      318.18     317.41     0          0
;NA
PWOPRSES0001525   PWOPRMHS0001422   PWOPRMHS0001373   64.5       0.013      320.28     320.06     0          0
;NA
PWOPRSES0001530   PWOPRMHS0001404   PWOPRMHS0001393   106.8      0.013      320.54     320.21     0          0
;NA
PWOPRSES0001534   PWOPRMHS0001388   PWOPRMHS0001387   54.9       0.013      318.93     318.79     0          0
;NA
PWOPRSES0001535   PWOPRMHS0001389   PWOPRMHS0001388   54.9       0.013      319.13     318.93     0          0
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;NA
PWOPRSES0001536  PWOPRMHS0001369  PWOPRMHS0001389  63.9       0.013      319.39     319.19     0          0
;NA
PWOPRSES0001537  PWOPRMHS0001415  PWOPRMHS0001369  76.2       0.013      319.68     319.44     0          0
;NA
PWOPRSES0001538  PWOPRMHS0001373  PWOPRMHS0001415  13.3       0.013      320.02     319.68     0          0
;NA
PWOPRSES0001541  PWOPRMHS0001399  PWOPRMHS0001400  34.7       0.013      317.15     316.99     0          0
;NA
PWOPRSES0001542  PWOPRMHS0001400  PWOPRMHS0001401  58.2       0.013      316.99     316.69     0          0
;NA
PWOPRSES0001543  PWOPRMHS0001401  13               169.918    0.013      316.67     314.5      0          0
;NA
PWOPRSES0001544  PWOPRMHS0001402  36               219.005    0.013      316.5      315.5      0          0
;NA
PWOPRSES0001545  PWOPRMHS0001395  PWOPRMHS0001402  49         0.013      316.79     316.62     0          0
;NA
PWOPRSES0001546  PWOPRMHS0001916  PWOPRMHS0001855  20.24      0.013      327.59     326.87     0          0
;NA
PWOPRSES0001547  PWOPRMHS0001856  PWOPRMHS0001916  16.46      0.013      327.73     327.6      0          0
;NA
PWOPRSES0001548  PWOPRMHS0001804  PWOPRMHS0001855  104.4      0.013      331.98     326.78     0          0
;NA
PWOPRSES0001551  PWOPRMHS0001915  PWOPRMHS0001856  68.43      0.013      329.19     327.81     0          0
;NA
PWOPRSES0001555  PWOPRMHS0001855  PWOPRMHS0001857  76.66      0.013      326.21     322.57     0          0
;NA
PWOPRSES0001556  PWOPRMHS0001857  PWOPRMHS0001437  62.61      0.013      322.43     319.38     0          0
;NA
PWOPRSES0001557  PWOPRMHS0001433  PWOPRMHS0001418  11.89      0.01       319.78     319.3      0          0
;NA
PWOPRSES0001558  PWOPRMHS0001416  PWOPRMHS0001418  80.71      0.01       318.99     318.745    0          0
;NA
PWOPRSES0001559  PWOPRMHS0001403  MHSWM4           83.375     0.01       321.7      319.25     0          0
;NA
PWOPRSES0001564  PWOPRMHS0001437  PWOPRMHS0001436  15.24      0.01       319.38     319.02     0          0
;NA
PWOPRSES0001565  PWOPRMHS0001436  PWOPRMHS0001438  62.18      0.013      318.35     318.2      0          0
;NA
PWOPRSES0001566  PWOPRMHS0001418  PWOPRMHS0001436  104.55     0.013      318.73     318.41     0          0
;NA
```

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PWOPRSES0001567  PWOPRMHS0001435  PWOPRMHS0001438  19.81      0.013      319.64     319.43     0          0
;NA
PWOPRSES0001571  PWOPRMHS0001796  PWOPRMHS0001797  35.4       0.013      326.65     326.42     0          0
;NA
PWOPRSES0001572  PWOPRMHS0001788  PWOPRMHS0001403  58.83      0.013      322.94     321.7      0          0
;NA
PWOPRSES0001575  PWOPRMHS0001386  S_D4             174.444    0.013      318.61     318        0          0
;NA
PWOPRSES0001576  MHEasement2      PWOPRMHS0001386  27.2       0.013      318.7      318.61     0          0
;NA
PWOPRSES0001577  PWOPRMHS0001387  PWOPRMHS0001386  30.8       0.013      318.75     318.61     0          0
;NA
PWOPRSES0001579  PWOPRMHS0001421  PWOPRMHS0001420  29.1       0.013      320.94     320.57     0          0
;NA
PWOPRSES0001580  PWOPRMHS0001420  PWOPRMHS0001419  29.3       0.013      320.5      320.06     0          0
;NA
PWOPRSES0001581  PWOPRMHS0001419  PWOPRMHS0001374  33.3       0.013      319.99     319.74     0          0
;NA
PWOPRSES0001582  PWOPRMHS0001374  PWOPRMHS0001375  13.6       0.013      319.69     319.61     0          0
;NA
PWOPRSES0001583  PWOPRMHS0001372  PWOPRMHS0001371  10.9       0.013      320.15     319.87     0          0
;NA
PWOPRSES0001584  PWOPRMHS0001371  PWOPRMHS0001370  11.3       0.013      319.82     319.49     0          0
;NA
PWOPRSES0001585  PWOPRMHS0001375  PWOPRMHS0001370  53.2       0.013      319.57     319.27     0          0
;NA
PWOPRSES0001586  PWOPRMHS0001424  PWOPRMHS0001423  48.5       0.013      320.96     320.52     0          0
;NA
PWOPRSES0001587  PWOPRMHS0001370  MHEasement1      21.3       0.013      319.27     319.07     0          0
;NA
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;NA
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;NA
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;NA
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;NA
PWOPRSES0001656  PWOPRMHS0001836  PWOPRMHS0001788  152.1      0.013      324.56     323.43     0          0
;NA
PWOPRSES0001658  PWOPRMHS0001410  PWOPRMHS0001634  81.69      0.013      326.47     326.21     0          0
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;NA
PWOPRSES0001662  PWOPRMHS0001798  PWOPRMHS0001792  15.39      0.013      326.06     325.85     0          0
;NA
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;NA
PWOPRSES0001667  MHSWM4           PWOPRMHS0001416  26.6       0.013      319.25     319.01     0          0
;NA
PWOPRSES0001679  PWOPRMHS0001409  PWOPRMHS0001410  54.56      0.013      327.81     327.07     0          0
;NA
PWOPRSES0001680  PWOPRMHS0001411  PWOPRMHS0001410  15.24      0.013      327.47     327        0          0
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PWOPRSES0001681  PWOPRMHS0001412  PWOPRMHS0001411  74.68      0.013      331.69     327.81     0          0
;NA
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PWOPRSES0001699  PWOPRMHS0001664  PWOPRMHS0001653  58.5       0.013      326.35     325.29     0          0
PWOPRSES0001711  PWOPRMHS0001706  PWOPRMHS0001677  81.3       0.013      327.14     326.76     0          0
PWOPRSES0001712  PWOPRMHS0001678  PWOPRMHS0001677  8.3        0.013      327.01     326.78     0          0
PWOPRSES0001713  PWOPRMHS0001677  PWOPRMHS0001676  42.6       0.013      326.59     326.4      0          0
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;NA
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PWOPRSES0001721  PWOPRMHS0001697  PWOPRMHS0001736  96.7       0.013      323.91     323.52     0          0
PWOPRSES0001724  PWOPRMHS0001689  PWOPRMHS0001687  74.5       0.013      326.61     326.4      0          0
PWOPRSES0001725  PWOPRMHS0001687  PWOPRMHS0001688  41         0.013      326.4      326.2      0          0
PWOPRSES0001728  PWOPRMHS0001688  PWOPRMHS0001674  17.1       0.013      326.1      326.01     0          0
PWOPRSES0001730  PWOPRMHS0001674  PWOPRMHS0001713  86.1       0.013      325.88     325.51     0          0
PWOPRSES0001732  PWOPRMHS0001705  PWOPRMHS0001688  74         0.013      328.53     327.53     0          0
PWOPRSES0001733  PWOPRMHS0001676  PWOPRMHS0001674  15.4       0.013      326.33     326.32     0          0
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PWOPRSES0001744  PWOPRMHS0001746  PWOPRMHS0001744  32.5       0.013      327.93     327.78     0          0
PWOPRSES0001745  PWOPRMHS0001686  PWOPRMHS0001682  11.1       0.013      328.55     328.21     0          0
PWOPRSES0001747  PWOPRMHS0002046  PWOPRMHS0001682  55.95      0.013      330.72     328.73     0          0
PWOPRSES0001748  PWOPRMHS0001682  PWOPRMHS0001689  94         0.013      328.1      326.73     0          0
PWOPRSES0001750  PWOPRMHS0001690  PWOPRMHS0001689  16.1       0.013      326.74     326.63     0          0
PWOPRSES0001753  PWOPRMHS0001691  PWOPRMHS0001690  42.5       0.01       326.982    326.74     0          0
PWOPRSES0001754  PWOPRMHS0001741  PWOPRMHS0002051  84.5       0.013      329.48     328.91     0          0
PWOPRSES0001755  PWOPRMHS0001745  PWOPRMHS0001746  32.1       0.013      328.06     327.95     0          0
PWOPRSES0001756  PWOPRMHS0001744  PWOPRMHS0001692  13.5       0.013      327.73     327.68     0          0
PWOPRSES0001757  PWOPRMHS0002051  PWOPRMHS0001745  32.8       0.013      328.27     328.14     0          0
PWOPRSES0001758  PWOPRMHS0001874  PWOPRMHS0001732  85.2       0.013      329.87     329.28     0          0
PWOPRSES0001759  PWOPRMHS0001692  PWOPRMHS0001743  70.9       0.01       327.57     327.315    0          0
PWOPRSES0001760  PWOPRMHS0001743  PWOPRMHS0001691  18.8       0.013      327.29     327.19     0          0
PWOPRSES0001761  PWOPRMHS0001919  PWOPRMHS0001691  18.5       0.013      327.8      327.71     0          0
PWOPRSES0001765A PWOPRMHS0001740  MHSchool         46.6       0.013      328.72     328.55     0          0
PWOPRSES0001765B MHSchool         PWOPRMHS0002051  24.3       0.013      328.55     328.46     0          0
PWOPRSES0001766  PWOPRMHS0002041  MHSchool         16.96      0.013      329.07     328.87     0          0
PWOPRSES0001768  PWOPRMHS0002050  PWOPRMHS0002051  17.64      0.013      328.97     328.76     0          0
PWOPRSES0001770  PWOPRMHS0001679  PWOPRMHS0001680  13.11      0.013      335.89     335.79     0          0
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PWOPRSES0001774  PWOPRMHS0001614  PWOPRMHS0001611  44         0.013      322.91     322.87     0          0
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PWOPRSES0001791  PWOPRMHS0001643  PWOPRMHS0001642  22.5       0.013      323.38     323.27     0          0
;NA
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PWOPRSES0001798  PWOPRMHS0001670  22               88.074     0.01       322.92     322        0          0
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PWOPRSES0001803  PWOPRMHS0001695  SWMPOND          96.049     0.013      322.25     322        0          0
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PWOPRSES0002122  PWOPRMHS0001739  PWOPRMHS0001740  15.5       0.013      328.89     328.77     0          0
PWOPRSES0003435  PWOPRMHS0003137  PWOPRMHS0003136  23.4       0.013      329.5      328.99     0          0
PWOPRSES0003436  PWOPRMHS0003136  PWOPRMHS0001686  50.2       0.013      328.89     328.62     0          0
PWOPRSES0003439  PWOPRMHS0003140  PWOPRMHS0001678  48.8       0.013      327.35     327.07     0          0
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PWOPRSES0003447  PWOPRMHS0003147  PWOPRMHS0003148  22         0.013      333.79     332.64     0          0
PWOPRSES0003448  PWOPRMHS0003148  PWOPRMHS0003149  9.25       0.013      331.89     331.68     0          0
PWOPRSES0003449  PWOPRMHS0003149  PWOPRMHS0003137  58.3       0.013      330.86     329.6      0          0
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PWOPRSES0005768  PWOPRMHS0005226  PWOPRMHS0005230  74.2       0.013      325.46     325.04     0          0
;NA
PWOPRSES0005769  PWOPRMHS0005230  24               335.253    0.01       324.55     320.5      0          0
;NA
PWOPRSES0005770  PWOPRMHS0005231  PWOPRMHS0005229  71.1       0.013      325.24     324.74     0          0
;NA
PWOPRSES0005771  PWOPRMHS0005229  PWOPRMHS0005230  8.6        0.01       324.74     324.59     0          0
;NA
PWOPRSES0006537  PWOPRMHS0005944  PWOPRMHS0005945  34.65      0.013      318.32     318.22     0          0
;NA
PWOPRSES0006538  PWOPRMHS0005906  PWOPRMHS0001388  81.91      0.013      319.63     319.19     0          0
;NA
PWOPRSES0006542  PWOPRMHS0005908  PWOPRMHS0005909  41.76      0.013      318.92     318.72     0          0
;NA
PWOPRSES0006547  PWOPRMHS0005911  PWOPRMHS0005910  51.83      0.013      319.29     319.05     0          0
;NA
PWOPRSES0006548  PWOPRMHS0005910  PWOPRMHS0005909  55.9       0.013      318.95     318.66     0          0
;NA
PWOPRSES0006549  PWOPRMHS0005909  PWOPRMHS0005926  56.32      0.013      318.44     318.1      0          0
;NA
PWOPRSES0006550  PWOPRMHS0005926  PWOPRMHS0005927  29.23      0.013      318.05     317.93     0          0
;NA
PWOPRSES0006551  PWOPRMHS0005924  PWOPRMHS0005927  90.05      0.013      318.6      318        0          0
;NA
PWOPRSES0006552  PWOPRMHS0005927  PWOPRMHS0005930  107.56     0.013      317.76     317.27     0          0
;NA
PWOPRSES0006553  PWOPRMHS0005930  36               354.591    0.013      317.25     315.5      0          0
;NA
PWOPRSES0006554  PWOPRMHS0005931  PWOPRMHS0005930  17.01      0.013      317.7      317.41     0          0
;NA
PWOPRSES0006555  PWOPRMHS0005932  PWOPRMHS0005930  58.07      0.013      317.88     317.37     0          0
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;NA
PWOPRSES0006576  PWOPRMHS0005946  PWOPRMHS0005945  32.9       0.013      318.5      318.31     0          0
;NA
PWOPRSES0006577  PWOPRMHS0005945  PWOPRMHS0005931  82         0.013      318.22     317.74     0          0
;NA
STMEasement      MHEasement1      MHEasement2      72.3       0.013      319.07     318.7      0          0
SWMPOND_OUT      SWMPOND          24               215.307    0.013      322        320.5      0          0

[XSECTIONS]
;;Link           Shape        Geom1            Geom2      Geom3      Geom4      Barrels
;;-------------- ------------ ---------------- ---------- ---------- ---------- ----------
1                TRAPEZOIDAL  3                2          1          1          1
10               TRAPEZOIDAL  3                2          1          1          1
11               TRAPEZOIDAL  3                2          1          1          1
12               RECT_CLOSED  2                2          0          0          1
13               TRAPEZOIDAL  3                2          1          1          1
14               TRAPEZOIDAL  3                2          1          1          1
15               TRAPEZOIDAL  3                2          1          1          1
16               TRAPEZOIDAL  3                2          1          1          1
17               TRAPEZOIDAL  3                2          1          1          1
18               TRAPEZOIDAL  3                2          1          1          1
19               TRAPEZOIDAL  3                2          1          1          1
2                TRAPEZOIDAL  3                2          1          1          1
20               TRAPEZOIDAL  3                2          1          1          1
21               TRAPEZOIDAL  3                3          1          1          1
22               TRAPEZOIDAL  3                2          1          1          1
23               TRAPEZOIDAL  3                2          1          1          1
24               TRAPEZOIDAL  3                2          1          1          1
25               TRAPEZOIDAL  3                2          1          1          1
26               TRAPEZOIDAL  3                2          1          1          1
27               TRAPEZOIDAL  3                2          1          1          1
28               TRAPEZOIDAL  3                2          1          1          1
29               TRAPEZOIDAL  3                2          1          1          1
3                TRAPEZOIDAL  3                2          1          1          1
30               TRAPEZOIDAL  3                2          1          1          1
31               TRAPEZOIDAL  3                2          1          1          1
32               TRAPEZOIDAL  3                2          1          1          1
33               TRAPEZOIDAL  3                2          1          1          1
34               TRAPEZOIDAL  3                2          1          1          1
35               TRAPEZOIDAL  3                2          1          1          1
36               TRAPEZOIDAL  3                2          1          1          1
```

37	TRAPEZOIDAL	3	2	1	1	1
38	TRAPEZOIDAL	3	2	1	1	1
39	TRAPEZOIDAL	3	2	1	1	1
4	TRAPEZOIDAL	3	2	1	1	1
40	TRAPEZOIDAL	3	2	1	1	1
41	TRAPEZOIDAL	3	2	1	1	1
43	TRAPEZOIDAL	3	2	1	1	1
44	TRAPEZOIDAL	3	2	1	1	1
45	RECT_OPEN	2	15	1	0	1
46	RECT_OPEN	2	15	1	0	1
47	TRAPEZOIDAL	3	2	1	1	1
48	TRAPEZOIDAL	3	2	1	1	1
49	RECT_OPEN	2	15	1	0	1
5	TRAPEZOIDAL	3	2	1	1	1
50	TRAPEZOIDAL	3	2	1	1	1
51	RECT_OPEN	2	15	1	0	1
52	TRAPEZOIDAL	3	2	1	1	1
53	RECT_OPEN	2	15	1	0	1
54	TRAPEZOIDAL	3	2	1	1	1
55	RECT_OPEN	2	15	1	0	1
56	RECT_OPEN	2	15	1	0	1
57	TRAPEZOIDAL	3	2	1	1	1
58	TRAPEZOIDAL	3	2	1	1	1
59	RECT_OPEN	2	15	1	0	1
6	TRAPEZOIDAL	3	2	1	1	1
60	TRAPEZOIDAL	3	2	1	1	1
61	RECT_OPEN	2	15	1	0	1
62	RECT_OPEN	2	15	1	0	1
63	TRAPEZOIDAL	3	2	1	1	1
64	RECT_OPEN	2	15	1	0	1
65	TRAPEZOIDAL	3	2	1	1	1
66	RECT_OPEN	2	15	1	0	1
67	RECT_OPEN	2	15	1	0	1
68	TRAPEZOIDAL	3	2	1	1	1
7	TRAPEZOIDAL	3	2	1	1	1
70	TRAPEZOIDAL	3	2	1	1	1
8	TRAPEZOIDAL	4	2	1	1	1
9	TRAPEZOIDAL	3	2	1	1	1
PWOPRSES0001498	CIRCULAR	2	0	0	0	1
PWOPRSES0001507	CIRCULAR	2	0	0	0	1
PWOPRSES0001510	CIRCULAR	2	0	0	0	1

PWOPRSES0001511	CIRCULAR	2	0	0	0	1
PWOPRSES0001512	CIRCULAR	2	0	0	0	1
PWOPRSES0001515	CIRCULAR	2	0	0	0	1
PWOPRSES0001516	CIRCULAR	2	0	0	0	1
PWOPRSES0001518	CIRCULAR	2	0	0	0	1
PWOPRSES0001519	HORIZ_ELLIPSE	2	1.15	0	0	1
PWOPRSES0001520	CIRCULAR	2	0	0	0	1
PWOPRSES0001521	CIRCULAR	2	0	0	0	1
PWOPRSES0001522	CIRCULAR	2	0	0	0	1
PWOPRSES0001524	CIRCULAR	2	0	0	0	1
PWOPRSES0001525	CIRCULAR	2	0	0	0	1
PWOPRSES0001530	HORIZ_ELLIPSE	2	1.15	0	0	1
PWOPRSES0001534	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001535	HORIZ_ELLIPSE	2	1.345	0	0	1
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PWOPRSES0001537	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001538	CIRCULAR	2	0	0	0	1
PWOPRSES0001541	CIRCULAR	2	0	0	0	1
PWOPRSES0001542	CIRCULAR	2	0	0	0	1
PWOPRSES0001543	CIRCULAR	3	0	0	0	1
PWOPRSES0001544	CIRCULAR	3	0	0	0	1
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PWOPRSES0001558	CIRCULAR	2.5	0	0	0	1
PWOPRSES0001559	CIRCULAR	2	0	0	0	1
PWOPRSES0001564	CIRCULAR	2	0	0	0	1
PWOPRSES0001565	CIRCULAR	2.5	0	0	0	1
PWOPRSES0001566	CIRCULAR	2.5	0	0	0	1
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PWOPRSES0001575	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001576	CIRCULAR	2	0	0	0	1
PWOPRSES0001577	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001579	CIRCULAR	2	0	0	0	1

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PWOPRSES0001720	CIRCULAR	2	0	0	0	1
PWOPRSES0001721	CIRCULAR	2	0	0	0	1
PWOPRSES0001724	HORIZ_ELLIPSE	2	1.73	0	0	1
PWOPRSES0001725	HORIZ_ELLIPSE	2	1.73	0	0	1
PWOPRSES0001728	HORIZ_ELLIPSE	2	1.73	0	0	1
PWOPRSES0001730	HORIZ_ELLIPSE	2	1.92	0	0	1
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PWOPRSES0001733	CIRCULAR	2	0	0	0	1
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PWOPRSES0001745	CIRCULAR	2	0	0	0	1

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PWOPRSES0001765B	CIRCULAR	2	0	0	0	1
PWOPRSES0001766	CIRCULAR	2	0	0	0	1
PWOPRSES0001768	CIRCULAR	2	0	0	0	1
PWOPRSES0001770	CIRCULAR	2	0	0	0	1
PWOPRSES0001771	CIRCULAR	2	0	0	0	1
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PWOPRSES0001775	HORIZ_ELLIPSE	3	1.345	0	0	1
PWOPRSES0001776	CIRCULAR	2	0	0	0	1
PWOPRSES0001777	CIRCULAR	2	0	0	0	1
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PWOPRSES0001780	CIRCULAR	2	0	0	0	1
PWOPRSES0001781	CIRCULAR	2	0	0	0	1
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PWOPRSES0001784	CIRCULAR	2	0	0	0	1
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PWOPRSES0001803	CIRCULAR	2	0	0	0	1
PWOPRSES0001806	CIRCULAR	2	0	0	0	1
PWOPRSES0001807	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001808	CIRCULAR	2	0	0	0	1
PWOPRSES0001809	CIRCULAR	2	0	0	0	1
PWOPRSES0001810	CIRCULAR	2	0	0	0	1

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PWOPRSES0001824	CIRCULAR	2	0	0	0	1
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PWOPRSES0001826	CIRCULAR	2	0	0	0	1
PWOPRSES0001827	CIRCULAR	2	0	0	0	1
PWOPRSES0001828	CIRCULAR	2	0	0	0	1
PWOPRSES0001829	HORIZ_ELLIPSE	3	1.52	0	0	1
PWOPRSES0001840	CIRCULAR	2	0	0	0	1
PWOPRSES0001841	CIRCULAR	2	0	0	0	1
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PWOPRSES0001942	CIRCULAR	2	0	0	0	1
PWOPRSES0001943	CIRCULAR	2	0	0	0	1

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PWOPRSES0001951	CIRCULAR	2	0	0	0	1
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PWOPRSES0001968	CIRCULAR	2	0	0	0	1
PWOPRSES0001972	CIRCULAR	2	0	0	0	1
PWOPRSES0001976	CIRCULAR	2.5	0	0	0	1
PWOPRSES0001977	CIRCULAR	2	0	0	0	1
PWOPRSES0001978	CIRCULAR	3	0	0	0	1
PWOPRSES0001979	CIRCULAR	2	0	0	0	1
PWOPRSES0001984	CIRCULAR	2.5	0	0	0	1
PWOPRSES0002119	CIRCULAR	2	0	0	0	1
PWOPRSES0002120	CIRCULAR	2	0	0	0	1
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PWOPRSES0002122	CIRCULAR	2	0	0	0	1
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PWOPRSES0003446	CIRCULAR	2	0	0	0	1
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PWOPRSES0003448	CIRCULAR	2	0	0	0	1
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PWOPRSES0003457	CIRCULAR	2	0	0	0	1
PWOPRSES0003465	CIRCULAR	2	0	0	0	1
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PWOPRSES0004584	CIRCULAR	2	0	0	0	1
PWOPRSES0004585	CIRCULAR	2	0	0	0	1
PWOPRSES0004586	CIRCULAR	2	0	0	0	1
PWOPRSES0004587	CIRCULAR	2	0	0	0	1
PWOPRSES0004588	CIRCULAR	2	0	0	0	1
PWOPRSES0004589	CIRCULAR	2	0	0	0	1
PWOPRSES0004590	CIRCULAR	2	0	0	0	1
PWOPRSES0004591	HORIZ_ELLIPSE	2	1.535	0	0	1
PWOPRSES0004592	HORIZ_ELLIPSE	2	1.535	0	0	1
PWOPRSES0004593	CIRCULAR	2	0	0	0	1
PWOPRSES0004594	HORIZ_ELLIPSE	2	1.535	0	0	1
PWOPRSES0004597	CIRCULAR	2	0	0	0	1
PWOPRSES0004603	CIRCULAR	2	0	0	0	1

PWOPRSES0004637	CIRCULAR	2	0	0	0	1
PWOPRSES0005529	CIRCULAR	2	0	0	0	1
PWOPRSES0005530	CIRCULAR	2	0	0	0	1
PWOPRSES0005531	CIRCULAR	2	0	0	0	1
PWOPRSES0005532	CIRCULAR	2	0	0	0	1
PWOPRSES0005534	CIRCULAR	2	0	0	0	1
PWOPRSES0005535	CIRCULAR	2	0	0	0	1
PWOPRSES0005536	CIRCULAR	2	0	0	0	1
PWOPRSES0005537	CIRCULAR	2	0	0	0	1
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PWOPRSES0005540	CIRCULAR	2	0	0	0	1
PWOPRSES0005541	CIRCULAR	2	0	0	0	1
PWOPRSES0005710	HORIZ_ELLIPSE	3	1.92	0	0	1
PWOPRSES0005734	CIRCULAR	2	0	0	0	1
PWOPRSES0005735	CIRCULAR	2	0	0	0	1
PWOPRSES0005736	CIRCULAR	2	0	0	0	1
PWOPRSES0005739	CIRCULAR	2	0	0	0	1
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PWOPRSES0005768	CIRCULAR	2	0	0	0	1
PWOPRSES0005769	CIRCULAR	3	0	0	0	1
PWOPRSES0005770	CIRCULAR	2	0	0	0	1
PWOPRSES0005771	CIRCULAR	2	0	0	0	1
PWOPRSES0006537	CIRCULAR	2	0	0	0	1
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PWOPRSES0006554	CIRCULAR	2	0	0	0	1
PWOPRSES0006555	CIRCULAR	2	0	0	0	1
PWOPRSES0006576	CIRCULAR	2	0	0	0	1
PWOPRSES0006577	CIRCULAR	2	0	0	0	1
STMEasement	CIRCULAR	2	0	0	0	1
SWMPOND_OUT	CIRCULAR	3	0	0	0	1

```
[TRANSECTS]
;;Transect Data in HEC-2 format
;
;Full street, width = 8m, curb = 0.15m , cross-slope = 0.02m/m, bank-slope = 0.02m/m, bank-height = 0.3m.
NC 0.03     0.03     0.013
X1 2LaneRd           7        7.5      15.5     0.0      0.0      0.0      0.0      0.0
GR 0.3      0        0.15     7.5      0        7.5      0.08     11.5     0        15.5
GR 0.15     15.5     0.3      23
;
;Full street, width = 16m, curb = 0.15m , cross-slope = 0.02m/m, bank-slope = 0.02m/m, bank-height = 0.30m.
NC 0.03     0.03     0.013
X1 4LaneRd           7        7.5      23.5     0.0      0.0      0.0      0.0      0.0
GR 0.3      0        0.15     7.5      0        7.5      0.16     15.5     0        23.5
GR 0.15     23.5     0.3      31

[LOSSES]
;;Link           Inlet      Outlet     Average    Flap Gate  SeepageRate
;;-------------- ---------- ---------- ---------- ---------- ----------
PWOPRSES0001498  0          0.15       0          NO         0
PWOPRSES0001507  0          0.15       0          NO         0
PWOPRSES0001510  0          1          0          NO         0
PWOPRSES0001511  0          0.15       0          NO         0
PWOPRSES0001512  0          0.15       0          NO         0
PWOPRSES0001515  0          0.15       0          NO         0
PWOPRSES0001516  0          0.15       0          NO         0
PWOPRSES0001518  0          0.15       0          NO         0
PWOPRSES0001519  0          0.15       0          NO         0
PWOPRSES0001520  0          1          0          NO         0
PWOPRSES0001521  0          0.15       0          NO         0
PWOPRSES0001522  0          0.15       0          NO         0
PWOPRSES0001524  0          1          0          NO         0
PWOPRSES0001525  0          0.15       0          NO         0
PWOPRSES0001530  0          0.15       0          NO         0
PWOPRSES0001534  0          0.15       0          NO         0
PWOPRSES0001535  0          0.15       0          NO         0
PWOPRSES0001536  0          0.15       0          NO         0
PWOPRSES0001537  0          0.15       0          NO         0
PWOPRSES0001538  0          1          0          NO         0
PWOPRSES0001541  0          0.15       0          NO         0
PWOPRSES0001542  0          1          0          NO         0
PWOPRSES0001543  0          0.15       0          NO         0
```

PWOPRSES0001544	0	0.15	0	NO	0
PWOPRSES0001545	0	0.15	0	NO	0
PWOPRSES0001546	0	0.75	0	NO	0
PWOPRSES0001547	0	0.75	0	NO	0
PWOPRSES0001548	0	0.15	0	NO	0
PWOPRSES0001551	0	0.75	0	NO	0
PWOPRSES0001555	0	0.15	0	NO	0
PWOPRSES0001556	0	0.75	0	NO	0
PWOPRSES0001557	0	1	0	NO	0
PWOPRSES0001558	0	0.75	0	NO	0
PWOPRSES0001559	0	0.15	0	NO	0
PWOPRSES0001564	0	1	0	NO	0
PWOPRSES0001565	0	0.75	0	NO	0
PWOPRSES0001566	0	0.75	0	NO	0
PWOPRSES0001572	0	0.75	0	NO	0
PWOPRSES0001575	0	0.15	0	NO	0
PWOPRSES0001576	0	0.15	0	NO	0
PWOPRSES0001577	0	1	0	NO	0
PWOPRSES0001579	0	0.15	0	NO	0
PWOPRSES0001580	0	0.15	0	NO	0
PWOPRSES0001581	0	0.15	0	NO	0
PWOPRSES0001582	0	0.15	0	NO	0
PWOPRSES0001583	0	0.15	0	NO	0
PWOPRSES0001584	0	1	0	NO	0
PWOPRSES0001585	0	1	0	NO	0
PWOPRSES0001586	0	1	0	NO	0
PWOPRSES0001587	0	0.15	0	NO	0
PWOPRSES0001633	0	1	0	NO	0
PWOPRSES0001634	0	1	0	NO	0
PWOPRSES0001654	0	0.75	0	NO	0
PWOPRSES0001655	0	1	0	NO	0
PWOPRSES0001656	0	0.15	0	NO	0
PWOPRSES0001658	0	0.85	0	NO	0
PWOPRSES0001660	0	1	0	NO	0
PWOPRSES0001662	0	0.75	0	NO	0
PWOPRSES0001679	0	1	0	NO	0
PWOPRSES0001680	0	1	0	NO	0
PWOPRSES0001681	0	0.15	0	NO	0
PWOPRSES0001682	0	0.15	0	NO	0
PWOPRSES0001684	0	1	0	NO	0
PWOPRSES0001687	0	0.85	0	NO	0

PWOPRSES0001688	0	0.75	0	NO	0
PWOPRSES0001698	0	0.75	0	NO	0
PWOPRSES0001699	0	0.75	0	NO	0
PWOPRSES0001711	0	0.15	0	NO	0
PWOPRSES0001712	0	0.75	0	NO	0
PWOPRSES0001713	0	0.75	0	NO	0
PWOPRSES0001724	0	0.85	0	NO	0
PWOPRSES0001725	0	0.75	0	NO	0
PWOPRSES0001728	0	0.75	0	NO	0
PWOPRSES0001730	0	0.15	0	NO	0
PWOPRSES0001732	0	0.75	0	NO	0
PWOPRSES0001733	0	0.75	0	NO	0
PWOPRSES0001744	0	0.75	0	NO	0
PWOPRSES0001745	0	0.75	0	NO	0
PWOPRSES0001747	0	0.15	0	NO	0
PWOPRSES0001748	0	0.15	0	NO	0
PWOPRSES0001750	0	0.75	0	NO	0
PWOPRSES0001753	0	0.75	0	NO	0
PWOPRSES0001754	0	1	0	NO	0
PWOPRSES0001755	0	0.45	0	NO	0
PWOPRSES0001756	0	0.75	0	NO	0
PWOPRSES0001757	0	0.45	0	NO	0
PWOPRSES0001758	0	0.15	0	NO	0
PWOPRSES0001759	0	0.75	0	NO	0
PWOPRSES0001760	0	0.75	0	NO	0
PWOPRSES0001761	0	0.75	0	NO	0
PWOPRSES0001765A	0	0.15	0	NO	0
PWOPRSES0001765B	0	0.15	0	NO	0
PWOPRSES0001768	0	0.75	0	NO	0
PWOPRSES0001770	0	0.75	0	NO	0
PWOPRSES0001771	0	0.75	0	NO	0
PWOPRSES0001775	0	0.15	0	NO	0
PWOPRSES0001776	0	0.15	0	NO	0
PWOPRSES0001777	0	0.75	0	NO	0
PWOPRSES0001778	0	0.75	0	NO	0
PWOPRSES0001779	0	0.75	0	NO	0
PWOPRSES0001780	0	0.75	0	NO	0
PWOPRSES0001781	0	0.75	0	NO	0
PWOPRSES0001782	0	0.75	0	NO	0
PWOPRSES0001783	0	0.15	0	NO	0
PWOPRSES0001784	0	0.15	0	NO	0

PWOPRSES0001785	0	1	0	NO	0
PWOPRSES0001786	0	0.15	0	NO	0
PWOPRSES0001797	0	0.75	0	NO	0
PWOPRSES0001798	0	0.15	0	NO	0
PWOPRSES0001803	0	0.15	0	NO	0
PWOPRSES0001806	0	0.15	0	NO	0
PWOPRSES0001807	0	0.15	0	NO	0
PWOPRSES0001808	0	1	0	NO	0
PWOPRSES0001809	0	0.15	0	NO	0
PWOPRSES0001810	0	1	0	NO	0
PWOPRSES0001812	0	1	0	NO	0
PWOPRSES0001819	0	0.15	0	NO	0
PWOPRSES0001821	0	0.15	0	NO	0
PWOPRSES0001822	0	0.85	0	NO	0
PWOPRSES0001823	0	0.75	0	NO	0
PWOPRSES0001824	0	0.75	0	NO	0
PWOPRSES0001825	0	0.15	0	NO	0
PWOPRSES0001826	0	0.75	0	NO	0
PWOPRSES0001827	0	0.15	0	NO	0
PWOPRSES0001828	0	1	0	NO	0
PWOPRSES0001829	0	0.15	0	NO	0
PWOPRSES0001844	0	0.75	0	NO	0
PWOPRSES0001845	0	0.15	0	NO	0
PWOPRSES0001855	0	0.75	0	NO	0
PWOPRSES0001856	0	1	0	NO	0
PWOPRSES0001861	0	0.15	0	NO	0
PWOPRSES0001862	0	0.75	0	NO	0
PWOPRSES0001865	0	0.15	0	NO	0
PWOPRSES0001866	0	1	0	NO	0
PWOPRSES0001868	0	0.75	0	NO	0
PWOPRSES0001890	0	0.15	0	NO	0
PWOPRSES0001891	0	0.75	0	NO	0
PWOPRSES0001892	0	0.75	0	NO	0
PWOPRSES0001895	0	0.75	0	NO	0
PWOPRSES0001896	0	0.15	0	NO	0
PWOPRSES0001897	0	0.85	0	NO	0
PWOPRSES0001899	0	0.75	0	NO	0
PWOPRSES0001900	0	0.15	0	NO	0
PWOPRSES0001904	0	1	0	NO	0
PWOPRSES0001905	0	0.15	0	NO	0
PWOPRSES0001906	0	1	0	NO	0

PWOPRSES0001919	0	0.45	0	NO	0
PWOPRSES0001930	0	1	0	NO	0
PWOPRSES0001931	0	0.15	0	NO	0
PWOPRSES0001932	0	0.15	0	NO	0
PWOPRSES0001941	0	0.15	0	NO	0
PWOPRSES0001942	0	0.15	0	NO	0
PWOPRSES0001943	0	0.15	0	NO	0
PWOPRSES0001944	0	0.15	0	NO	0
PWOPRSES0001951	0	0.15	0	NO	0
PWOPRSES0001952	0	0.15	0	NO	0
PWOPRSES0001960	0	0.15	0	NO	0
PWOPRSES0001961	0	0.15	0	NO	0
PWOPRSES0001962	0	1	0	NO	0
PWOPRSES0001963	0	0.15	0	NO	0
PWOPRSES0001968	0	0.15	0	NO	0
PWOPRSES0001972	0	0.75	0	NO	0
PWOPRSES0001976	0	0.15	0	NO	0
PWOPRSES0001977	0	0.75	0	NO	0
PWOPRSES0001978	0	0.15	0	NO	0
PWOPRSES0001979	0	0.75	0	NO	0
PWOPRSES0001984	0	0.15	0	NO	0
PWOPRSES0002119	0	0.75	0	NO	0
PWOPRSES0002120	0	0.75	0	NO	0
PWOPRSES0002121	0	0.75	0	NO	0
PWOPRSES0002122	0	0.75	0	NO	0
PWOPRSES0003435	0	0.75	0	NO	0
PWOPRSES0003436	0	0.75	0	NO	0
PWOPRSES0003439	0	0.75	0	NO	0
PWOPRSES0003446	0	0.45	0	NO	0
PWOPRSES0003447	0	0.75	0	NO	0
PWOPRSES0003448	0	0.75	0	NO	0
PWOPRSES0003449	0	0.75	0	NO	0
PWOPRSES0003457	0	0.75	0	NO	0
PWOPRSES0003465	0	0.75	0	NO	0
PWOPRSES0003466	0	0.75	0	NO	0
PWOPRSES0004584	0	0.75	0	NO	0
PWOPRSES0004585	0	0.75	0	NO	0
PWOPRSES0004586	0	0.75	0	NO	0
PWOPRSES0004587	0	0.75	0	NO	0
PWOPRSES0004588	0	0.75	0	NO	0
PWOPRSES0004589	0	0.75	0	NO	0

PWOPRSES0004590	0	0.75	0	NO	0
PWOPRSES0004591	0	0.15	0	NO	0
PWOPRSES0004592	0	0.75	0	NO	0
PWOPRSES0004593	0	1	0	NO	0
PWOPRSES0004594	0	0.15	0	NO	0
PWOPRSES0004603	0	0.15	0	NO	0
PWOPRSES0004637	0	0.15	0	NO	0
PWOPRSES0005529	0	1	0	NO	0
PWOPRSES0005530	0	0.85	0	NO	0
PWOPRSES0005531	0	0.45	0	NO	0
PWOPRSES0005532	0	0.15	0	NO	0
PWOPRSES0005534	0	0.75	0	NO	0
PWOPRSES0005535	0	0.75	0	NO	0
PWOPRSES0005536	0	0.45	0	NO	0
PWOPRSES0005537	0	0.15	0	NO	0
PWOPRSES0005539	0	0.85	0	NO	0
PWOPRSES0005540	0	0.75	0	NO	0
PWOPRSES0005541	0	0.45	0	NO	0
PWOPRSES0005710	0	0.15	0	NO	0
PWOPRSES0005734	0	0.75	0	NO	0
PWOPRSES0005735	0	0.85	0	NO	0
PWOPRSES0005736	0	0.45	0	NO	0
PWOPRSES0005739	0	0.15	0	NO	0
PWOPRSES0005744	0	0.75	0	NO	0
PWOPRSES0005766	0	0.45	0	NO	0
PWOPRSES0005767	0	0.15	0	NO	0
PWOPRSES0005768	0	0.15	0	NO	0
PWOPRSES0005769	0	0.15	0	NO	0
PWOPRSES0005770	0	0.15	0	NO	0
PWOPRSES0005771	0	1	0	NO	0
PWOPRSES0006537	0	1	0	NO	0
PWOPRSES0006538	0	1	0	NO	0
PWOPRSES0006542	0	1	0	NO	0
PWOPRSES0006547	0	0.15	0	NO	0
PWOPRSES0006548	0	1	0	NO	0
PWOPRSES0006549	0	0.15	0	NO	0
PWOPRSES0006550	0	0.15	0	NO	0
PWOPRSES0006551	0	1	0	NO	0
PWOPRSES0006552	0	1	0	NO	0
PWOPRSES0006553	0	0.15	0	NO	0
PWOPRSES0006554	0	1	0	NO	0

```
PWOPRSES0006555  0          0.15       0          NO         0
PWOPRSES0006576  0          0.15       0          NO         0
PWOPRSES0006577  0          0.15       0          NO         0
STMEasement      0          0.15       0          NO         0

[CURVES]
;;Name           Type       X-Value    Y-Value
;;-------------- ---------- ---------- ----------
10CBs            Rating     0          0
10CBs                       0.02       0.6
10CBs                       0.3        0.6

11CBs            Rating     0          0
11CBs                       0.02       0.66
11CBs                       0.3        0.66

12CBs            Rating     0          0
12CBs                       0.02       0.72
12CBs                       0.3        0.72

13CBs            Rating     0          0
13CBs                       0.02       0.78
13CBs                       0.3        0.78

14CBs            Rating     0          0
14CBs                       0.02       0.84
14CBs                       0.3        0.84

15CBs            Rating     0          0
15CBs                       0.02       0.9
15CBs                       0.3        0.9

16CBs            Rating     0          0
16CBs                       0.02       0.96
16CBs                       0.3        0.96

17CBs            Rating     0          0
17CBs                       0.02       1.02
17CBs                       0.3        1.02

18CBs            Rating     0          0
18CBs                       0.02       1.08
```

18CBs		0.3	1.08
1CBs	Rating	0	0
1CBs		0.01	0.06
1CBs		0.3	0.06
21CBs	Rating	0	0
21CBs		0.02	1.26
21CBs		0.3	1.26
27CBs	Rating	0	0
27CBs		0.02	1.62
27CBs		0.3	1.62
2CBs	Rating	0	0
2CBs		0.01	0.12
2CBs		0.3	0.12
3CBs	Rating	0	0
3CBs		0.01	0.18
3CBs		0.3	0.18
4CBs	Rating	0	0
4CBs		0.01	0.24
4CBs		0.3	0.24
5CBs	Rating	0	0
5CBs		0.01	0.3
5CBs		0.3	0.3
6CBs	Rating	0	0
6CBs		0.01	0.36
6CBs		0.3	0.36
7CBs	Rating	0	0
7CBs		0.01	0.42
7CBs		0.3	0.42
8CBs	Rating	0	0
8CBs		0.01	0.48
8CBs		0.3	0.48

```
9CBs            Rating     0          0
9CBs                       0.01       0.54
9CBs                       0.3        0.54

SWM28RC         Rating     0          0
SWM28RC                    0.615      0
SWM28RC                    0.8        0
SWM28RC                    0.9        0
SWM28RC                    1          0
SWM28RC                    1.1        0.005
SWM28RC                    1.2        0.061
SWM28RC                    1.3        0.088
SWM28RC                    1.4        0.108
SWM28RC                    1.5        0.778
SWM28RC                    1.6        0.814
SWM28RC                    1.7        0.848
SWM28RC                    1.8        0.881
SWM28RC                    1.9        0.912
SWM28RC                    2          0.943
SWM28RC                    2.1        0.972
SWM28RC                    2.2        1.001
SWM28RC                    2.3        1.029
SWM28RC                    2.4        1.056
SWM28RC                    2.5        1.082
SWM28RC                    2.6        1.108
SWM28RC                    2.7        1.133
SWM28RC                    2.8        1.158

;Represents outflow via CB outlets to sewer.  Assumption CBs are at same level as PP (makes sense) - survey shows
them lower, which in turn doesn't match the photos in inventory.
SWM4RC          Rating     0          0
SWM4RC                     1.25       0
SWM4RC                     1.27       0.024
SWM4RC                     1.31       0.078
SWM4RC                     1.33       0.12
SWM4RC                     1.38       0.24
SWM4RC                     1.45       0.48
SWM4RC                     1.55       1.02
SWM4RC                     1.59       1.2
SWM4RC                     1.73       2.4
SWM4RC                     1.85       3.6
```

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SWM4RC                      2          4.8

SWM_A1           Storage    0          6400
SWM_A1                      0.5        7056
SWM_A1                      1          7744
SWM_A1                      1.5        8464
SWM_A1                      2          9216
SWM_A1                      2.5        10000
SWM_A1                      3          10816

SWM_A2           Storage    0          32400
SWM_A2                      0.5        33856
SWM_A2                      1          35344
SWM_A2                      1.5        36864
SWM_A2                      2          38416
SWM_A2                      2.5        40000
SWM_A2                      3          41616

SWM_A3           Storage    0          42025
SWM_A3                      0.5        43681
SWM_A3                      1          45369
SWM_A3                      1.5        47089
SWM_A3                      2          48841
SWM_A3                      2.5        50625
SWM_A3                      3          52441

SWM_A4           Storage    0          140625
SWM_A4                      0.5        143641
SWM_A4                      1          146689
SWM_A4                      1.5        149769
SWM_A4                      2          152881
SWM_A4                      2.5        156025
SWM_A4                      3          159201

SWM_B1           Storage    0          4900
SWM_B1                      0.5        5476
SWM_B1                      1          6084
SWM_B1                      1.5        6724
SWM_B1                      2          7396
SWM_B1                      2.5        8100
SWM_B1                      3          8836
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```
SWM_B2          Storage    0          25600
SWM_B2                     0.5        26569
SWM_B2                     1          27556
SWM_B2                     1.5        28561
SWM_B2                     2          29584
SWM_B2                     2.5        30625
SWM_B2                     3          31684

SWM_C1          Storage    0          15625
SWM_C1                     0.5        16641
SWM_C1                     1          17689
SWM_C1                     1.5        18769
SWM_C1                     2          19881
SWM_C1                     2.5        21025
SWM_C1                     3          22201

SWM_D1          Storage    0          50625
SWM_D1                     0.5        52441
SWM_D1                     1          54289
SWM_D1                     1.5        56169
SWM_D1                     2          58081
SWM_D1                     2.5        60025
SWM_D1                     3          62001

SWM_D2          Storage    0          100
SWM_D2                     0.5        196
SWM_D2                     1          324
SWM_D2                     1.5        484
SWM_D2                     2          676
SWM_D2                     2.5        900
SWM_D2                     3          1156

SWM_D3          Storage    0          13225
SWM_D3                     0.5        14161
SWM_D3                     1          15129
SWM_D3                     1.5        16129
SWM_D3                     2          17161
SWM_D3                     2.5        18225
SWM_D3                     3          19321

SWM_D4          Storage    0          9025
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SWM_D4                      0.5        9801
SWM_D4                      1          10609
SWM_D4                      1.5        11449
SWM_D4                      2          12321
SWM_D4                      2.5        13225
SWM_D4                      3          14161

SWM_E1           Storage    0          100
SWM_E1                      0.5        196
SWM_E1                      1          324
SWM_E1                      1.5        484
SWM_E1                      2          676
SWM_E1                      2.5        900
SWM_E1                      3          1156

SWM_E2           Storage    0          144
SWM_E2                      0.5        256
SWM_E2                      1          400
SWM_E2                      1.5        576
SWM_E2                      2          784
SWM_E2                      2.5        1024
SWM_E2                      3          1296

WetlandA2        Storage    0          0
WetlandA2                   0.5        43647
WetlandA2                   1          98288
WetlandA2                   1.5        113931
WetlandA2                   2          114893
WetlandA2                   2.5        114932
WetlandA2                   3          114932

WetlandA3        Storage    0          12203
WetlandA3                   0.5        31285
WetlandA3                   1          84316
WetlandA3                   1.5        119057
WetlandA3                   2          147660
WetlandA3                   2.5        182929
WetlandA3                   3          251326
WetlandA3                   3.5        340723
WetlandA3                   4          451413
WetlandA3                   4.5        540607
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WetlandA3                   5          566035
WetlandA3                   5.5        567097

WetlandA4        Storage    0          22748
WetlandA4                   0.5        37777
WetlandA4                   1          56843
WetlandA4                   1.5        85353
WetlandA4                   2          136310
WetlandA4                   2.5        254969
WetlandA4                   3          366650
WetlandA4                   3.5        464859
WetlandA4                   4          572352
WetlandA4                   4.5        643960
WetlandA4                   5          729815
WetlandA4                   5.5        794027

WetlandB1        Storage    0          748
WetlandB1                   0.5        2179
WetlandB1                   1          4353
WetlandB1                   1.5        18749
WetlandB1                   2          29524
WetlandB1                   2.5        30815
WetlandB1                   3          30837

WetlandC1        Storage    0          0
WetlandC1                   0.5        2567
WetlandC1                   1          10045
WetlandC1                   1.5        21166
WetlandC1                   2          30166
WetlandC1                   2.5        31435
WetlandC1                   3          31518

WetlandD1        Storage    0          0
WetlandD1                   0.5        13522
WetlandD1                   1          58665
WetlandD1                   1.5        127160
WetlandD1                   2          131458
WetlandD1                   2.5        131580
WetlandD1                   3          131580

WetlandD2        Storage    0          650
```

```
WetlandD2                   0.5        7394
WetlandD2                   1          48890
WetlandD2                   1.5        89082
WetlandD2                   2          133528
WetlandD2                   2.5        153565
WetlandD2                   3          162160

WetlandD3        Storage    0          0
WetlandD3                   0.5        1820
WetlandD3                   1          46389
WetlandD3                   1.5        54012
WetlandD3                   2          56062
WetlandD3                   2.5        56124
WetlandD3                   3          56124

WetlandD4        Storage    0          157
WetlandD4                   0.5        10443
WetlandD4                   1          14310
WetlandD4                   1.5        30878
WetlandD4                   2          33670
WetlandD4                   2.5        34949
WetlandD4                   3          35215

WetlandE1        Storage    0          0
WetlandE1                   0.5        7717.148314
WetlandE1                   1          17612.80256
WetlandE1                   1.5        25586.52171
WetlandE1                   2          28587
WetlandE1                   2.5        29290
WetlandE1                   3          29297

WetlandE2        Storage    0          0
WetlandE2                   0.5        6088.864713
WetlandE2                   1          7509.22668
WetlandE2                   1.5        7840
WetlandE2                   2          7885
WetlandE2                   2.5        7885
WetlandE2                   3          7885

WetlandE3        Storage    0          262.986564
WetlandE3                   1          8013.773861
```

```
WetlandE3                   2          17068.55258
WetlandE3                   3          23881.86007
WetlandE3                   4          31930.37758
WetlandE3                   5          45851.68924
WetlandE3                   6          59052.95639
WetlandE3                   7          67360.7874
WetlandE3                   8          77508.42571
WetlandE3                   9          80545.00609
WetlandE3                   10         92149.70895
WetlandE3                   11         108177.4222

[TIMESERIES]
;;Name           Date       Time       Value
;;-------------- ---------- ---------- ----------
;Guelph IDF Curve
AES12hour_100yr             0:15       1.01
AES12hour_100yr             0:30       1.01
AES12hour_100yr             0:45       1.01
AES12hour_100yr             1:00       1.01
AES12hour_100yr             1:15       1.01
AES12hour_100yr             1:30       1.01
AES12hour_100yr             1:45       1.01
AES12hour_100yr             2:00       1.01
AES12hour_100yr             2:15       5.81
AES12hour_100yr             2:30       5.81
AES12hour_100yr             2:45       5.81
AES12hour_100yr             3:00       5.81
AES12hour_100yr             3:15       16.65
AES12hour_100yr             3:30       16.65
AES12hour_100yr             3:45       16.65
AES12hour_100yr             4:00       16.65
AES12hour_100yr             4:15       44.93
AES12hour_100yr             4:30       44.93
AES12hour_100yr             4:45       44.93
AES12hour_100yr             5:00       44.93
AES12hour_100yr             5:15       12.74
AES12hour_100yr             5:30       12.74
AES12hour_100yr             5:45       12.74
AES12hour_100yr             6:00       12.74
AES12hour_100yr             6:15       6.82
AES12hour_100yr             6:30       6.82
```

```
AES12hour_100yr             6:45       6.82
AES12hour_100yr             7:00       6.82
AES12hour_100yr             7:15       3.91
AES12hour_100yr             7:30       3.91
AES12hour_100yr             7:45       3.91
AES12hour_100yr             8:00       3.91
AES12hour_100yr             8:15       1.90
AES12hour_100yr             8:30       1.90
AES12hour_100yr             8:45       1.90
AES12hour_100yr             9:00       1.90
AES12hour_100yr             9:15       1.01
AES12hour_100yr             9:30       1.01
AES12hour_100yr             9:45       1.01
AES12hour_100yr             10:00      1.01
AES12hour_100yr             10:15      1.01
AES12hour_100yr             10:30      1.01
AES12hour_100yr             10:45      1.01
AES12hour_100yr             11:00      1.01
AES12hour_100yr             11:15      1.01
AES12hour_100yr             11:30      1.01
AES12hour_100yr             11:45      1.01
AES12hour_100yr             12:00      1.01

;Guelph IDF Curve
AES6hour_100yr              0:15       1.865082087
AES6hour_100yr              0:30       1.865082087
AES6hour_100yr              0:45       1.865082087
AES6hour_100yr              1:00       1.865082087
AES6hour_100yr              1:15       11.19049252
AES6hour_100yr              1:30       11.19049252
AES6hour_100yr              1:45       31.70639362
AES6hour_100yr              2:00       31.70639362
AES6hour_100yr              2:15       85.79376981
AES6hour_100yr              2:30       85.79376981
AES6hour_100yr              2:45       24.24606527
AES6hour_100yr              3:00       24.24606527
AES6hour_100yr              3:15       13.05557399
AES6hour_100yr              3:30       13.05557399
AES6hour_100yr              3:45       7.460328346
AES6hour_100yr              4:00       7.460328346
AES6hour_100yr              4:15       3.730164173
```

```
AES6hour_100yr              4:30       3.730164173
AES6hour_100yr              4:45       1.865082087
AES6hour_100yr              5:00       1.865082087
AES6hour_100yr              5:15       1.865082087
AES6hour_100yr              5:30       1.865082087
AES6hour_100yr              5:45       1.865082087
AES6hour_100yr              6:00       1.865082087

;2100 IDF Curve Predicition
CC_AES12hour_100yr            0:15       1.78
CC_AES12hour_100yr            0:30       1.78
CC_AES12hour_100yr            0:45       1.78
CC_AES12hour_100yr            1:00       1.78
CC_AES12hour_100yr            1:15       1.78
CC_AES12hour_100yr            1:30       1.78
CC_AES12hour_100yr            1:45       1.78
CC_AES12hour_100yr            2:00       1.78
CC_AES12hour_100yr            2:15       10.26
CC_AES12hour_100yr            2:30       10.26
CC_AES12hour_100yr            2:45       10.26
CC_AES12hour_100yr            3:00       10.26
CC_AES12hour_100yr            3:15       29.40
CC_AES12hour_100yr            3:30       29.40
CC_AES12hour_100yr            3:45       29.40
CC_AES12hour_100yr            4:00       29.40
CC_AES12hour_100yr            4:15       79.33
CC_AES12hour_100yr            4:30       79.33
CC_AES12hour_100yr            4:45       79.33
CC_AES12hour_100yr            5:00       79.33
CC_AES12hour_100yr            5:15       22.50
CC_AES12hour_100yr            5:30       22.50
CC_AES12hour_100yr            5:45       22.50
CC_AES12hour_100yr            6:00       22.50
CC_AES12hour_100yr            6:15       12.04
CC_AES12hour_100yr            6:30       12.04
CC_AES12hour_100yr            6:45       12.04
CC_AES12hour_100yr            7:00       12.04
CC_AES12hour_100yr            7:15       6.91
CC_AES12hour_100yr            7:30       6.91
CC_AES12hour_100yr            7:45       6.91
CC_AES12hour_100yr            8:00       6.91
```

```
CC_AES12hour_100yr            8:15       3.35
CC_AES12hour_100yr            8:30       3.35
CC_AES12hour_100yr            8:45       3.35
CC_AES12hour_100yr            9:00       3.35
CC_AES12hour_100yr            9:15       1.78
CC_AES12hour_100yr            9:30       1.78
CC_AES12hour_100yr            9:45       1.78
CC_AES12hour_100yr            10:00      1.78
CC_AES12hour_100yr            10:15      1.78
CC_AES12hour_100yr            10:30      1.78
CC_AES12hour_100yr            10:45      1.78
CC_AES12hour_100yr            11:00      1.78
CC_AES12hour_100yr            11:15      1.78
CC_AES12hour_100yr            11:30      1.78
CC_AES12hour_100yr            11:45      1.78
CC_AES12hour_100yr            12:00      1.78

Guelph100Y       01/19/2010 0:00       0
Guelph100Y       01/19/2010 0:05       3.05
Guelph100Y       01/19/2010 0:10       3.33
Guelph100Y       01/19/2010 0:15       3.7
Guelph100Y       01/19/2010 0:20       4.14
Guelph100Y       01/19/2010 0:25       4.68
Guelph100Y       01/19/2010 0:30       5.34
Guelph100Y       01/19/2010 0:35       6.18
Guelph100Y       01/19/2010 0:40       7.26
Guelph100Y       01/19/2010 0:45       8.89
Guelph100Y       01/19/2010 0:50       10.63
Guelph100Y       01/19/2010 0:55       13.39
Guelph100Y       01/19/2010 1:00       17.51
Guelph100Y       01/19/2010 1:05       24.1
Guelph100Y       01/19/2010 1:10       35.69
Guelph100Y       01/19/2010 1:15       59.35
Guelph100Y       01/19/2010 1:20       121.59
Guelph100Y       01/19/2010 1:25       239.35
Guelph100Y       01/19/2010 1:30       137.52
Guelph100Y       01/19/2010 1:35       80.54
Guelph100Y       01/19/2010 1:40       53.35
Guelph100Y       01/19/2010 1:45       38.19
Guelph100Y       01/19/2010 1:50       28.84
Guelph100Y       01/19/2010 1:55       22.65
```

Guelph100Y	01/19/2010 2:00	18.33
Guelph100Y	01/19/2010 2:05	15.19
Guelph100Y	01/19/2010 2:10	12.83
Guelph100Y	01/19/2010 2:15	11
Guelph100Y	01/19/2010 2:20	9.56
Guelph100Y	01/19/2010 2:25	8.41
Guelph100Y	01/19/2010 2:30	7.46
Guelph100Y	01/19/2010 2:35	6.68
Guelph100Y	01/19/2010 2:40	6.02
Guelph100Y	01/19/2010 2:45	5.49
Guelph100Y	01/19/2010 2:50	4.99
Guelph100Y	01/19/2010 2:55	4.58
Guelph100Y	01/19/2010 3:00	4.22
Guelph100Y	01/19/2010 3:05	3.91
Guelph100Y	01/19/2010 3:10	3.63
Guelph100Y	01/19/2010 3:15	3.38
Guelph100Y	01/19/2010 3:20	3.17
Guelph100Y	01/19/2010 3:25	3.05
Guelph100Y	01/19/2010 3:30	0
Guelph5Y	01/19/2010 0:00	0
Guelph5Y	01/19/2010 0:05	3.06
Guelph5Y	01/19/2010 0:10	3.35
Guelph5Y	01/19/2010 0:15	3.7
Guelph5Y	01/19/2010 0:20	4.13
Guelph5Y	01/19/2010 0:25	4.68
Guelph5Y	01/19/2010 0:30	5.37
Guelph5Y	01/19/2010 0:35	6.3
Guelph5Y	01/19/2010 0:40	7.59
Guelph5Y	01/19/2010 0:45	9.48
Guelph5Y	01/19/2010 0:50	12.46
Guelph5Y	01/19/2010 0:55	17.72
Guelph5Y	01/19/2010 1:00	28.8
Guelph5Y	01/19/2010 1:05	61.69
Guelph5Y	01/19/2010 1:10	139.29
Guelph5Y	01/19/2010 1:15	70.6
Guelph5Y	01/19/2010 1:20	39.22
Guelph5Y	01/19/2010 1:25	25.91
Guelph5Y	01/19/2010 1:30	18.86
Guelph5Y	01/19/2010 1:35	14.61
Guelph5Y	01/19/2010 1:40	11.81

```
Guelph5Y         01/19/2010 1:45       9.86
Guelph5Y         01/19/2010 1:50       8.42
Guelph5Y         01/19/2010 1:55       7.33
Guelph5Y         01/19/2010 2:00       6.48
Guelph5Y         01/19/2010 2:05       5.8
Guelph5Y         01/19/2010 2:10       5.24
Guelph5Y         01/19/2010 2:15       4.78
Guelph5Y         01/19/2010 2:20       4.39
Guelph5Y         01/19/2010 2:25       4.05
Guelph5Y         01/19/2010 2:30       3.77
Guelph5Y         01/19/2010 2:35       3.52
Guelph5Y         01/19/2010 2:40       3.3
Guelph5Y         01/19/2010 2:45       3.1
Guelph5Y         01/19/2010 2:50       3.05
Guelph5Y         01/19/2010 2:55       0

;Rainfall (mm/hr)
Hurricane_Hazel_(0-25) 01/19/2010 00:00:00   6.33
Hurricane_Hazel_(0-25) 01/19/2010 01:00:00   4.22
Hurricane_Hazel_(0-25) 01/19/2010 02:00:00   6.33
Hurricane_Hazel_(0-25) 01/19/2010 03:00:00   12.66
Hurricane_Hazel_(0-25) 01/19/2010 04:00:00   16.88
Hurricane_Hazel_(0-25) 01/19/2010 05:00:00   12.66
Hurricane_Hazel_(0-25) 01/19/2010 06:00:00   23.21
Hurricane_Hazel_(0-25) 01/19/2010 07:00:00   12.66
Hurricane_Hazel_(0-25) 01/19/2010 08:00:00   12.66
Hurricane_Hazel_(0-25) 01/19/2010 09:00:00   52.75
Hurricane_Hazel_(0-25) 01/19/2010 10:00:00   37.98
Hurricane_Hazel_(0-25) 01/19/2010 11:00:00   12.66

[REPORT]
;;Reporting Options
INPUT      NO
CONTROLS   NO
SUBCATCHMENTS ALL
NODES ALL
LINKS ALL

[TAGS]
Subcatch   A1               WETLAND
Subcatch   A1.1             SUB
```

```
Subcatch   A1.1_FRST        FOREST
Subcatch   A2               WETLAND
Subcatch   A2.1             SUB
Subcatch   A2.1_FRST        FOREST
Subcatch   A2.2             SUB
Subcatch   A2.2_FRST        FOREST
Subcatch   A3               WETLAND
Subcatch   A3.1             SUB
Subcatch   A3.1_FRST        FOREST
Subcatch   A3.2             SUB
Subcatch   A3.2_FRST        FOREST
Subcatch   A3.3             SUB
Subcatch   A3.3_FRST        FOREST
Subcatch   A4               WETLAND
Subcatch   A4.1             SUB
Subcatch   A4.1_FRST        FOREST
Subcatch   A4.2             SUB
Subcatch   A4.2_FRST        FOREST
Subcatch   A4.3             SUB
Subcatch   A4.3_FRST        FOREST
Subcatch   A4.4_FRST        FOREST
Subcatch   A4.5             SUB
Subcatch   A4.5_FRST        FOREST
Subcatch   A4.6             SUB
Subcatch   A4.6_FRST        FOREST
Subcatch   B1               WETLAND
Subcatch   B1.1             SUB
Subcatch   B1.1_FRST        FOREST
Subcatch   B2               WETLAND
Subcatch   B2.1             SUB
Subcatch   B2.1_FRST        FOREST
Subcatch   C1               WETLAND
Subcatch   C1.1             SUB
Subcatch   C1.1_FRST        FOREST
Subcatch   D1               WETLAND
Subcatch   D1.1             SUB
Subcatch   D1.1_FRST        FOREST
Subcatch   D2               WETLAND
Subcatch   D2.1             SUB
Subcatch   D2.1_FRST        FOREST
Subcatch   D3               WETLAND
```

```
Subcatch   D3.1             SUB
Subcatch   D4               WETLAND
Subcatch   D4.1             SUB
Subcatch   D4.1_FRST        FOREST
Subcatch   E1               WETLAND
Subcatch   E1.1             SUB
Subcatch   E1.1_FRST        FOREST
Subcatch   E2               WETLAND
Subcatch   E2.1             SUB
Subcatch   E2.1_FRST        FOREST
Subcatch   E3               WETLAND
Subcatch   E3.1             SUB
Subcatch   E3.1_FRST        FOREST
Node       13               PEAKFLOW
Node       14               OVERFLOW
Node       18               PEAKFLOW
Node       20               OVERFLOW
Node       21               PEAKFLOW
Node       22               PEAKFLOW
Node       28               OVERFLOW
Node       31               PEAKFLOW
Node       37               OVERFLOW
Node       40               OVERFLOW
Node       42               OVERFLOW
Node       48               OVERFLOW
Node       49               OVERFLOW
Node       5                PEAKFLOW
Node       50               OVERFLOW
Node       54               OVERFLOW
Node       56               PEAKFLOW
Node       7                OVERFLOW
Node       9                PEAKFLOW
Link       45               OVERFLOW
Link       46               OVERFLOW
Link       49               OVERFLOW
Link       51               OVERFLOW
Link       53               OVERFLOW
Link       55               OVERFLOW
Link       56               OVERFLOW
Link       59               OVERFLOW
Link       61               OVERFLOW
```

```
Link       62              OVERFLOW
Link       64              OVERFLOW
Link       66              OVERFLOW
Link       67              OVERFLOW

[MAP]
DIMENSIONS       560049.17765     4813980.0537     566747.96535     4819891.9223
UNITS            Meters

[COORDINATES]
;;Node           X-Coord          Y-Coord
;;-------------- ---------------- ----------------
1                563505.595       4818857.531
11               562264.051       4817092.616
12               562093.693       4816996.517
13               561923.335       4816939.73
14               563765.659       4818608.344
15               561698.149       4817099.989
17               561555.781       4817211.295
18               562426.62        4818157.29
19               562538.173       4818252.284
2                563971.394       4816882.676
20               564178.863       4818321.328
21               562545.175       4815756.588
22               562792.469       4817889.143
24               562914.204       4817643.271
25               562839.502       4817808.814
26               563392.315       4814809.546
27               563008.362       4815059.447
28               564101.861       4817495.179
29               562658.413       4815370.702
3                563813.34        4818552.225
30               562518.57        4815887.312
31               562509.891       4815976.414
32               562389.177       4816125.495
34               562132.804       4816343.723
35               562141.559       4816415.771
36               562019.922       4816837.051
37               562691.445       4818224.496
39               562260.757       4815366.47
4                562898.769       4818142.309
```

40	562735.784	4816716.891
42	562653.629	4817959.571
48	562791.226	4815250.407
49	562119.461	4815316.718
5	564285.83	4818262.163
50	562180.148	4816210.903
53	561776.788	4817092.883
54	561654.389	4817151.371
56	560575.172	4817438.611
6	564448.132	4818114.766
7	562660.913	4817047.623
8	563452.191	4817241.134
9	563050.32	4817206.188
MHEasement1	561877.237	4816229.292
MHEasement2	561949.252	4816236.207
MHSchool	562556.23	4818733.76
MHSWM4	561796.452	4817542.016
PWOPRMHS0001369	561884.193	4816425.78
PWOPRMHS0001370	561860.035	4816232.92
PWOPRMHS0001371	561855.459	4816222.492
PWOPRMHS0001372	561846.661	4816215.753
PWOPRMHS0001373	561812.341	4816475.01
PWOPRMHS0001374	561843.527	4816298.466
PWOPRMHS0001375	561847.848	4816285.339
PWOPRMHS0001386	561972.542	4816243.198
PWOPRMHS0001387	561961.55	4816273.581
PWOPRMHS0001388	561945.075	4816327.358
PWOPRMHS0001389	561922.976	4816376.79
PWOPRMHS0001390	561862.605	4816605.17
PWOPRMHS0001391	561851.715	4816638.463
PWOPRMHS0001392	561799.907	4816625.51
PWOPRMHS0001393	561718.958	4816564.397
PWOPRMHS0001394	561827.11	4816719.731
PWOPRMHS0001395	561761.638	4816780.338
PWOPRMHS0001398	561742.623	4816939.696
PWOPRMHS0001399	561765.69	4816913.305
PWOPRMHS0001400	561778.566	4816886.367
PWOPRMHS0001401	561793.986	4816829.638
PWOPRMHS0001402	561805.703	4816791.896
PWOPRMHS0001403	561746.177	4817608.49
PWOPRMHS0001404	561635.613	4816631.971

PWOPRMHS0001408	561601.462	4816667.671
PWOPRMHS0001409	561825.428	4817917.837
PWOPRMHS0001410	561840.501	4817971.076
PWOPRMHS0001411	561844.591	4817982.614
PWOPRMHS0001412	561869.304	4818052.989
PWOPRMHS0001413	561877.912	4818049.95
PWOPRMHS0001415	561825.048	4816476.95
PWOPRMHS0001416	561824.196	4817541.964
PWOPRMHS0001418	561877.987	4817487.164
PWOPRMHS0001419	561824.809	4816326.341
PWOPRMHS0001420	561802.331	4816346.087
PWOPRMHS0001421	561774.617	4816354.775
PWOPRMHS0001422	561771.574	4816423.521
PWOPRMHS0001423	561757.078	4816402.985
PWOPRMHS0001424	561711.709	4816422.071
PWOPRMHS0001428	561744.231	4816300.096
PWOPRMHS0001429	561751.471	4816357.794
PWOPRMHS0001430	561753.029	4816371.442
PWOPRMHS0001431	561782.805	4816200.606
PWOPRMHS0001433	561917.179	4817502.421
PWOPRMHS0001435	561950.344	4817403.392
PWOPRMHS0001436	561964.452	4817448.082
PWOPRMHS0001437	561975.395	4817428.756
PWOPRMHS0001438	561966.497	4817387.235
PWOPRMHS0001467	561588.747	4816585.318
PWOPRMHS0001597	562940.584	4818233.191
PWOPRMHS0001598	562944.811	4818100.994
PWOPRMHS0001600	563054.204	4818236.639
PWOPRMHS0001601	563020.359	4818180.421
PWOPRMHS0001602	563006.722	4818166.463
PWOPRMHS0001603	562996.574	4818175.509
PWOPRMHS0001604	562983.713	4818173.975
PWOPRMHS0001605	562983.177	4818191.591
PWOPRMHS0001606	562916.138	4818104.669
PWOPRMHS0001608	562941.941	4818079.72
PWOPRMHS0001610	562941.014	4818100.853
PWOPRMHS0001611	562418.856	4818184.213
PWOPRMHS0001614	562411.822	4818229.263
PWOPRMHS0001622	561798.793	4818077.804
PWOPRMHS0001624	561870.607	4818352.898
PWOPRMHS0001625	561875.988	4818344.603

PWOPRMHS0001626	561851.385	4818381.332
PWOPRMHS0001634	561764.309	4817989.272
PWOPRMHS0001642	562403.42	4818235.142
PWOPRMHS0001643	562380.587	4818237.202
PWOPRMHS0001649	561929.012	4818313.016
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[VERTICES]
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[POLYGONS]
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A3	564781.282	4817208.049
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A3	564781.834	4817216.632
A3	564781.004	4817221.067
A3	564781.003	4817224.941
A3	564780.174	4817229.098
A3	564780.174	4817232.971

A3	564781.247	4817235.122
A3	564781.555	4817235.741
A3	564781.556	4817239.341
A3	564781.432	4817240.089
A3	564781.282	4817241.008
A3	564781.428	4817242.335
A3	564781.556	4817243.498
A3	564783.773	4817245.437
A3	564785.433	4817246.268
A3.1	563865.573	4817838.43
A3.1	563867.305	4817845.87
A3.1	563877.062	4817855.151
A3.1	563858.384	4817878.243
A3.1	563874.345	4817911.524
A3.1	563935.019	4817975.878
A3.1	564126.048	4818121.548
A3.1	564131.385	4818116.469
A3.1	564138.243	4818109.94
A3.1	564138.581	4818109.618
A3.1	564145.101	4818103.411
A3.1	564151.961	4818096.882
A3.1	564159.324	4818089.872
A3.1	564168.493	4818081.145
A3.1	564172.75	4818077.092
A3.1	564180.766	4818069.461
A3.1	564187.506	4818063.045
A3.1	564191.701	4818053.329
A3.1	564200.387	4818033.205
A3.1	564204.532	4818023.603
A3.1	564199.986	4818006.941
A3.1	564198.012	4817999.707
A3.1	564189.429	4817990.761
A3.1	564177.556	4817978.386
A3.1	564170.265	4817970.788
A3.1	564162.975	4817963.189
A3.1	564155.684	4817955.59
A3.1	564148.394	4817947.992
A3.1	564141.103	4817940.393
A3.1	564133.812	4817932.794
A3.1	564126.522	4817925.196
A3.1	564119.231	4817917.597

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A3.1             564111.941       4817909.999
A3.1             564105.345       4817903.124
A3.1             564098.748       4817896.249
A3.1             564092.152       4817889.374
A3.1             564085.556       4817882.499
A3.1             564078.96        4817875.624
A3.1             564072.364       4817868.749
A3.1             564065.767       4817861.874
A3.1             564059.171       4817854.999
A3.1             564052.575       4817848.124
A3.1             564045.978       4817841.25
A3.1             564039.73        4817834.737
A3.1             564033.481       4817828.224
A3.1             564027.232       4817821.711
A3.1             564020.982       4817815.198
A3.1             564014.734       4817808.684
A3.1             564008.485       4817802.171
A3.1             564002.236       4817795.658
A3.1             563993.209       4817786.251
A3.1             563980.6         4817773.109
A3.1             563965.391       4817757.257
A3.1             563959.735       4817759.832
A3.1             563937.518       4817769.943
A3.1             563921.732       4817784.971
A3.1             563906.67        4817799.309
A3.1             563887.369       4817817.682
A3.1             563879.25        4817825.41
A3.1             563865.573       4817838.43
;Part2: A3.1
A3.1             563808.608       4817593.851
A3.1             563836.711       4817714.511
A3.1             563900.795       4817689.932
A3.1             563833.082       4817619.358
A3.1             563808.608       4817593.851
......
Too many subcatchment entities (247 in total).

[SYMBOLS]
;;Gage           X-Coord          Y-Coord
;;-------------- ---------------- ----------------
```

H.06 Input for PCSWMM for Scenario 6

```
[TITLE]
Climate Change Model of Scenario 1

[OPTIONS]
;;Options            Value
;;------------------ ------------
FLOW_UNITS           CMS
INFILTRATION         GREEN_AMPT
FLOW_ROUTING         DYNWAVE
LINK_OFFSETS         ELEVATION
MIN_SLOPE            0
ALLOW_PONDING        NO
SKIP_STEADY_STATE    NO

START_DATE           09/01/2021
START_TIME           00:00:00
REPORT_START_DATE    09/01/2021
REPORT_START_TIME    00:00:00
END_DATE             09/04/2021
END_TIME             00:00:00
SWEEP_START          01/01
SWEEP_END            12/31
DRY_DAYS             0
REPORT_STEP          00:05:00
WET_STEP             00:05:00
DRY_STEP             00:15:00
ROUTING_STEP         1
RULE_STEP            00:00:00

INERTIAL_DAMPING     PARTIAL
NORMAL_FLOW_LIMITED  BOTH
FORCE_MAIN_EQUATION  H-W
VARIABLE_STEP        0.75
LENGTHENING_STEP     1
MIN_SURFAREA         0
MAX_TRIALS           8
HEAD_TOLERANCE       0.0015
SYS_FLOW_TOL         5
LAT_FLOW_TOL         5
MINIMUM_STEP         0.5
THREADS              4
```

```
[EVAPORATION]
;;Type          Parameters
;;------------- ----------
MONTHLY          0.0    0.0    0.0    1.06   2.48   3.6    4.13   3.61   2.43   1.19   0.3    0.0
DRY_ONLY         NO

[RAINGAGES]
;;                     Rain      Time     Snow     Data
;;Name                 Type      Intrvl   Catch    Source
;;-------------------- --------- -------- -------- ----------
AES12hour_100year      INTENSITY 0:15     1.0      TIMESERIES AES12hour_100yr
AES12hour_10year       INTENSITY 0:15     1.0      TIMESERIES AES12hour_10yr
AES12hour_5yr          INTENSITY 0:15     1.0      TIMESERIES AES12hour_5yr
AES6hour_100year       INTENSITY 0:15     1.0      TIMESERIES AES6hour_100yr
CC_AES12hour_100yr     INTENSITY 0:15     1.0      TIMESERIES CC_AES12hour_100yr
DSGauge                INTENSITY 0:05     1.0      TIMESERIES Guelph100Y
Hurricane_Hazel_(0-25) INTENSITY 01:00    1.0      TIMESERIES Hurricane_Hazel_(0-25)

[SUBCATCHMENTS]
;;                                                Total    Pcnt.             Pcnt.    Curb     Snow
;;Name           Raingage         Outlet           Area     Imperv   Width    Slope    Length   Pack
;;-------------- ---------------- ---------------- -------- -------- -------- -------- -------- --------
A1               CC_AES12hour_100yr 14             8.37858  5        577.833  1.159    0
A1.1             CC_AES12hour_100yr 1              42.8127  31       4281.27  2.55     0
A1.1_FRST        CC_AES12hour_100yr A1             3.63836  5        382.985  4.569    0
A2               CC_AES12hour_100yr 20             11.49151 5        675.971  0.876    0
A2.1             CC_AES12hour_100yr 3              12.9012  20       1290.12  4.465    0
;05
A2.1_FRST        CC_AES12hour_100yr A2             3.27903  5        364.337  5.888    0
A2.2             CC_AES12hour_100yr 3              8.44264  34       844.264  5.546    0
A2.2_FRST        CC_AES12hour_100yr A2             2.22057  5        296.076  4.679    0
;01
A3               CC_AES12hour_100yr 28             56.7748  5        1494.074 0.876    0
A3.1             CC_AES12hour_100yr 6              6.44601  22       644.601  4.32     0
A3.1_FRST        CC_AES12hour_100yr A3             13.18801 5        712.865  6.361    0
A3.2             CC_AES12hour_100yr 6              32.32076 36       3232.076 3.055    0
A3.2_FRST        CC_AES12hour_100yr A3             7.39984  5        528.56   2.441    0
A3.3             CC_AES12hour_100yr 28             70.21898 23       7021.898 1.831    0
A3.3_FRST        CC_AES12hour_100yr A3             17.13255 5        815.836  2.072    0
;02
```

```
A4              CC_AES12hour_100yr 7            100.51695 5       2010.339 1.409    0
A4.1            CC_AES12hour_100yr 9            1.02924  20       205.848  12.11    0
A4.1_FRST       CC_AES12hour_100yr A4           5.52575  5        251.17   12.609   0
A4.2            CC_AES12hour_100yr 8            9.80983  29       980.983  3.264    0
A4.2_FRST       CC_AES12hour_100yr A4           16.15059 5        807.53   3.234    0
A4.3            CC_AES12hour_100yr 8            46.96537 61       4696.537 6.754    0
A4.3_FRST       CC_AES12hour_100yr A4           8.10956  5        559.28   2.629    0
A4.4_FRST       CC_AES12hour_100yr A4           18.6402  5        866.986  1.485    0
A4.5            CC_AES12hour_100yr 2            108.8003 29       10880.03 2.616    0
A4.5_FRST       CC_AES12hour_100yr A4           15.02335 5        770.428  4.264    0
A4.6            CC_AES12hour_100yr 2            148.9709 52       14897.09 3.51     0
A4.6_FRST       CC_AES12hour_100yr A4           60.75746 5        1557.884 5.817    0
B1              CC_AES12hour_100yr 37           3.0847   5        342.744  1.624    0
B1.1            CC_AES12hour_100yr 4            0.99721  20       199.442  3.723    0
;06
B1.1_FRST       CC_AES12hour_100yr B1           3.70213  5        370.213  2.416    0
;03
B2              CC_AES12hour_100yr 42           2.9118   5        342.565  0.832    0
B2.1            CC_AES12hour_100yr 18           6.4804   11       648.04   8.395    0
B2.1_FRST       CC_AES12hour_100yr B2           8.06289  5        556.061  4.141    0
C1              CC_AES12hour_100yr 40           3.1551   5        350.567  1.284    0
C1.1            CC_AES12hour_100yr 40           123.3055 61       12330.55 2.612    0
C1.1_FRST       CC_AES12hour_100yr C1           2.78849  5        328.058  5.115    0
D1              CC_AES12hour_100yr 48           13.15501 5        711.082  0.84     0
D1.1            CC_AES12hour_100yr 27           119.81733 61      11981.733 2.621   0
;07
D1.1_FRST       CC_AES12hour_100yr D1           30.3332  5        1103.025 1.654    0
D2              CC_AES12hour_100yr 21           17.56726 5        836.536  0.804    0
D2.1            CC_AES12hour_100yr 21           52.2425  54       5224.25  1.309    0
D2.1_FRST       CC_AES12hour_100yr D2           19.03354 5        865.161  1.199    0
D3              CC_AES12hour_100yr 49           5.6119   5        467.658  0.585    0
D3.1            CC_AES12hour_100yr 49           36.10892 60       3610.892 4.474    0
;04
D4              CC_AES12hour_100yr 50           3.51993  5        370.519  1.366    0
D4.1            CC_AES12hour_100yr 50           23.40875 53       2340.875 1.568    0
D4.1_FRST       CC_AES12hour_100yr D4           13.64864 5        737.764  1.949    0
E1              CC_AES12hour_100yr 53           2.92807  5        344.479  1.111    0
E1.1            CC_AES12hour_100yr 53           18.00759 23       1800.759 3.079    0
;08
E1.1_FRST       CC_AES12hour_100yr E1           32.85577 5        1132.958 2.328    0
E2              CC_AES12hour_100yr 54           0.78579  5        174.62   2.898    0
```

E2.1	CC_AES12hour_100yr	54	9.27285	19	927.285	4.9	0
E2.1_FRST	CC_AES12hour_100yr	E2	0.87158	5	174.316	6.307	0
E3	CC_AES12hour_100yr	56	14.02097	5	737.946	2.707	0
E3.1	CC_AES12hour_100yr	56	22.8162	22	2281.62	12.425	0
E3.1_FRST	CC_AES12hour_100yr	E3	13.0633	5	725.739	8.365	0
HC01-01	CC_AES12hour_100yr	PWOPRMHS0001937	6.22	28.7	1269.388	3.5	0
HC01-02	CC_AES12hour_100yr	PWOPRMHS0001695	2.27	24.8	504.444	4.2	0
HC01-03	CC_AES12hour_100yr	PWOPRMHS0001925	1.2	24.8	173.913	7.1	0
HC01-04	CC_AES12hour_100yr	SWMPOND	2.49	19.4	415	4.2	0
HC01-05	CC_AES12hour_100yr	PWOPRMHS0001939	2.5	24.8	500	6.3	0
HC01-06	CC_AES12hour_100yr	PWOPRMHS0001928	1.32	24.8	197.015	6.7	0
HC01-07	CC_AES12hour_100yr	PWOPRMHS0001944	0.7	24.8	159.091	0.8	0
HC01-08	CC_AES12hour_100yr	PWOPRMHS0001930	0.52	24.8	70.27	10	0
HC01-09	CC_AES12hour_100yr	PWOPRMHS0001947	0.66	24.8	160.976	1.3	0
HC01-10	CC_AES12hour_100yr	PWOPRMHS0001929	1.14	24.8	156.164	7.8	0
HC01-11	CC_AES12hour_100yr	PWOPRMHS0001933	1.39	24.8	217.187	3.3	0
HC01-12	CC_AES12hour_100yr	PWOPRMHS0001943	3.1	24.8	720.93	3.9	0
HC02-01	CC_AES12hour_100yr	PWOPRMHS0001622	0.37	37.3	115.625	0.9	0
HC02-02	CC_AES12hour_100yr	PWOPRMHS0001413	2.17	50.4	678.125	0.4	0
HC02-03	CC_AES12hour_100yr	PWOPRMHS0001412	0.19	43.2	59.375	0.8	0
HC02-04	CC_AES12hour_100yr	PWOPRMHS0001411	0.41	29.2	128.125	5	0
HC02-05	CC_AES12hour_100yr	PWOPRMHS0001764	2.96	14.8	925	2.6	0
HC02-06	CC_AES12hour_100yr	PWOPRMHS0001768	1.79	15.2	577.419	1.4	0
HC02-07	CC_AES12hour_100yr	PWOPRMHS0001767	0.78	12.8	243.75	0.6	0
HC02-08	CC_AES12hour_100yr	PWOPRMHS0001409	1.26	11.6	393.75	1.4	0
HC02-09	CC_AES12hour_100yr	PWOPRMHS0001410	0.87	13.6	263.636	0.5	0
HC02-10	CC_AES12hour_100yr	PWOPRMHS0001634	0.94	12.4	293.75	0.8	0
HC02-11	CC_AES12hour_100yr	PWOPRMHS0001791	1.49	13.6	465.625	1	0
HC02-12	CC_AES12hour_100yr	PWOPRMHS0001797	2.15	12.4	651.515	0.3	0
HC02-13	CC_AES12hour_100yr	PWOPRMHS0001792	0.84	11.6	262.5	0.6	0
HC02-14	CC_AES12hour_100yr	PWOPRMHS0001836	0.92	12	270.588	1.1	0
HC02-15	CC_AES12hour_100yr	PWOPRMHS0001788	1.6	13.2	470.588	2.5	0
HC02-16	CC_AES12hour_100yr	PWOPRMHS0001403	0.51	14	150	2.5	0
HC02-17	CC_AES12hour_100yr	PWOPRMHS0001403	2.36	13.2	715.152	1.1	0
HC02-18	CC_AES12hour_100yr	PWOPRMHS0001433	3.83	14	1160.606	3.3	0
HC02-19	CC_AES12hour_100yr	PWOPRMHS0001418	1.52	14.4	460.606	0.1	0
HC02-20	CC_AES12hour_100yr	PWOPRMHS0001804	0.44	35.2	275	1.3	0
HC02-21	CC_AES12hour_100yr	PWOPRMHS0001903	3.51	14.4	1002.857	0.9	0
HC02-22	CC_AES12hour_100yr	PWOPRMHS0001914	2.97	14.4	900	0.8	0
HC02-23	CC_AES12hour_100yr	PWOPRMHS0001858	0.4	42.8	160	1.1	0
HC02-24	CC_AES12hour_100yr	PWOPRMHS0001915	0.07	58.4	58.333	1.8	0

HC02-25	CC_AES12hour_100yr	PWOPRMHS0001916	1.13	45.9	513.636	2.9	0
HC02-26	CC_AES12hour_100yr	PWOPRMHS0001855	0.34	54.8	170	4.8	0
HC02-27	CC_AES12hour_100yr	PWOPRMHS0001857	0.75	18	227.273	5.1	0
HC02-28	CC_AES12hour_100yr	PWOPRMHS0001436	0.57	18	172.727	2.8	0
HC02-29	CC_AES12hour_100yr	PWOPRMHS0001435	0.53	40	160.606	0.9	0
HC02-30	CC_AES12hour_100yr	PWOPRMHS0001918	1.48	1.2	462.5	0.3	0
HC02-31	CC_AES12hour_100yr	PWOPRMHS0001908	2.42	15.2	711.765	1.8	0
HC02-32	CC_AES12hour_100yr	PWOPRMHS0001917	2.15	14.4	632.353	3.2	0
HC02-33	CC_AES12hour_100yr	PWOPRMHS0001917	0.83	15.2	244.118	0.5	0
HC02-34	CC_AES12hour_100yr	PWOPRMHS0001906	0.3	26	88.235	4.5	0
HC02-35	CC_AES12hour_100yr	PWOPRMHS0001912	1	1.6	333.333	0.8	0
HC02-36	CC_AES12hour_100yr	MHSWM4	0.44	5.6	440	2.1	0
HC02-37	CC_AES12hour_100yr	PWOPRMHS0001912	1.01	5.2	480.952	2.2	0
HC02-38	CC_AES12hour_100yr	PWOPRMHS0001765	3.11	13.6	914.706	0.5	0
HC02-39	CC_AES12hour_100yr	PWOPRMHS0001867	0.88	11.6	266.667	0.1	0
HC03-01	CC_AES12hour_100yr	PWOPRMHS0001626	2.24	32	1066.667	0.4	0
HC03-02	CC_AES12hour_100yr	PWOPRMHS0001625	0.8	15.2	258.065	3.1	0
HC03-03	CC_AES12hour_100yr	PWOPRMHS0001651	0.13	18.8	76.471	5.3	0
HC03-04	CC_AES12hour_100yr	PWOPRMHS0001655	1.03	18.8	343.333	2	0
HC03-05	CC_AES12hour_100yr	PWOPRMHS0001649	0.33	36.8	173.684	2.3	0
HC03-06	CC_AES12hour_100yr	PWOPRMHS0001659	5.16	13.8	1563.636	3.3	0
HC03-07	CC_AES12hour_100yr	PWOPRMHS0001658	1.81	15.2	583.871	1.5	0
HC03-08	CC_AES12hour_100yr	PWOPRMHS0002082	4.36	15.5	1321.212	3.5	0
HC03-09	CC_AES12hour_100yr	PWOPRMHS0002085	1.94	23.3	485	1.3	0
HC03-10	CC_AES12hour_100yr	PWOPRMHS0002084	1.69	12	512.121	1.9	0
HC03-11	CC_AES12hour_100yr	PWOPRMHS0002080	2.51	16.5	627.5	2.8	0
HC03-12	CC_AES12hour_100yr	PWOPRMHS0001891	1.18	14	357.576	0.3	0
HC03-13	CC_AES12hour_100yr	PWOPRMHS0001889	0.38	18.8	180.952	0.8	0
HC03-14	CC_AES12hour_100yr	PWOPRMHS0001890	0.13	58.4	56.522	0.7	0
HC03-15	CC_AES12hour_100yr	PWOPRMHS0001894	0.62	13.6	187.879	1.6	0
HC03-16	CC_AES12hour_100yr	PWOPRMHS0001660	0.31	21.2	100	1.1	0
HC03-17	CC_AES12hour_100yr	PWOPRMHS0001657	0.12	36.8	75	2.2	0
HC03-18	CC_AES12hour_100yr	PWOPRMHS0001663	0.1	64	100	0.4	0
HC03-19	CC_AES12hour_100yr	PWOPRMHS0001661B	7.88	8.4	3940	3.5	0
HC03-20	CC_AES12hour_100yr	PWOPRMHS0001662	1.5	2.4	500	0.6	0
HC04-01	CC_AES12hour_100yr	PWOPRMHS0002042	3.59	18	897.5	0.6	0
HC04-02	CC_AES12hour_100yr	PWOPRMHS0001874	0.66	13.9	200	1.5	0
HC04-03	CC_AES12hour_100yr	PWOPRMHS0001739	1.2	14.9	363.636	1	0
HC04-04	CC_AES12hour_100yr	PWOPRMHS0002041	5.28	18	812.308	1.1	0
HC04-05	CC_AES12hour_100yr	PWOPRMHS0001741	0.62	17.6	182.353	2.6	0
HC04-06	CC_AES12hour_100yr	PWOPRMHS0002051	1.07	17.6	324.242	0.6	0

HC04-07	CC_AES12hour_100yr	PWOPRMHS0001745	0.09	38.4	81.818	0.1	0
HC04-08	CC_AES12hour_100yr	PWOPRMHS0001746	0.34	15.5	79.07	1.5	0
HC04-09	CC_AES12hour_100yr	PWOPRMHS0001692	0.53	17.6	147.222	1	0
HC04-10	CC_AES12hour_100yr	PWOPRMHS0001743	0.62	17.6	177.143	0.6	0
HC04-11	CC_AES12hour_100yr	PWOPRMHS0001691	0.91	16.7	325	1.6	0
HC04-12	CC_AES12hour_100yr	PWOPRMHS0001919	2.2	13.2	687.5	0.7	0
HC04-13	CC_AES12hour_100yr	PWOPRMHS0001690	0.3	15.2	115.385	0.6	0
HC04-14	CC_AES12hour_100yr	PWOPRMHS0002095	2.79	14	734.211	0.3	0
HC04-15	CC_AES12hour_100yr	PWOPRMHS0003153	3.91	14	1221.875	0.8	0
HC04-16	CC_AES12hour_100yr	PWOPRMHS0001680	0.46	15.2	153.333	1	0
HC04-17	CC_AES12hour_100yr	PWOPRMHS0003160	2.26	17.6	904	0.9	0
HC04-18	CC_AES12hour_100yr	PWOPRMHS0003146	0.26	21.1	173.333	0.1	0
HC04-19	CC_AES12hour_100yr	PWOPRMHS0003149	1.3	12	361.111	1.5	0
HC04-20	CC_AES12hour_100yr	PWOPRMHS0003137	0.56	12	169.697	2.4	0
HC04-21	CC_AES12hour_100yr	PWOPRMHS0003136	0.15	17.2	75	1.2	0
HC04-22	CC_AES12hour_100yr	PWOPRMHS0001686	0.23	19.2	104.545	0.8	0
HC04-23	CC_AES12hour_100yr	PWOPRMHS0002046	0.56	17.6	329.412	2.4	0
HC04-24	CC_AES12hour_100yr	PWOPRMHS0001686	0.13	14.4	40.625	5	0
HC04-25	CC_AES12hour_100yr	PWOPRMHS0001682	0.78	13.6	236.364	1.5	0
HC04-26	CC_AES12hour_100yr	PWOPRMHS0001689	0.74	12.8	194.737	0.1	0
HC04-27	CC_AES12hour_100yr	PWOPRMHS0001705	0.36	10.8	109.091	1.4	0
HC04-28	CC_AES12hour_100yr	PWOPRMHS0001705	0.73	15.2	192.105	1.4	0
HC04-29	CC_AES12hour_100yr	PWOPRMHS0001706	3.62	13.6	1096.97	1.1	0
HC04-30	CC_AES12hour_100yr	PWOPRMHS0001678	1.94	14	554.286	1.5	0
HC04-31	CC_AES12hour_100yr	PWOPRMHS0001677	0.48	28	200	0.6	0
HC04-32	CC_AES12hour_100yr	PWOPRMHS0001676	0.34	15.2	97.143	0.8	0
HC04-33	CC_AES12hour_100yr	PWOPRMHS0001713	1.13	13.6	452	0.7	0
HC04-34	CC_AES12hour_100yr	37	1.55	5.6	620	0.6	0
HC04-35	CC_AES12hour_100yr	PWOPRMHS0001688	0.49	13.6	122.5	1.2	0
HC04-36	CC_AES12hour_100yr	PWOPRMHS0002050	2.93	32.5	1085.185	2.4	0
HC05-01	CC_AES12hour_100yr	PWOPRMHS0005188	5.99	12	1711.429	3.8	0
HC05-02	CC_AES12hour_100yr	PWOPRMHS0005196	3.23	12.4	769.048	3.2	0
HC05-03	CC_AES12hour_100yr	PWOPRMHS0005183	0.11	76	110	2.7	0
HC05-04	CC_AES12hour_100yr	PWOPRMHS0005181	0.49	11.2	175	1.1	0
HC05-05	CC_AES12hour_100yr	PWOPRMHS0005179	0.92	15	224.39	0.5	0
HC05-06	CC_AES12hour_100yr	PWOPRMHS0005223	0.42	16.8	140	1.6	0
HC05-07	CC_AES12hour_100yr	PWOPRMHS0005226	0.73	13.2	208.571	1.4	0
HC05-08	CC_AES12hour_100yr	PWOPRMHS0005231	2.2	13.6	628.571	0.9	0
HC05-09	CC_AES12hour_100yr	PWOPRMHS0005229	0.27	13.2	108	0.1	0
HC05-10	CC_AES12hour_100yr	PWOPRMHS0005230	0.35	17.6	250	1.4	0
HC05-11	CC_AES12hour_100yr	24	3.17	5.2	1509.524	1.5	0

HC06-01	CC_AES12hour_100yr	PWOPRMHS0005009	0.32	15.2	160	0.5	0
HC06-02	CC_AES12hour_100yr	PWOPRMHS0005008	0.65	14.8	216.667	0.3	0
HC06-03	CC_AES12hour_100yr	PWOPRMHS0005012	1.49	0	175.294	0.6	0
HC06-04	CC_AES12hour_100yr	PWOPRMHS0005011	1.11	0.4	584.211	0.1	0
HC06-05	CC_AES12hour_100yr	PWOPRMHS0004137	0.35	10.8	109.375	1.1	0
HC06-06	CC_AES12hour_100yr	PWOPRMHS0004135	1.57	12.8	402.564	2.7	0
HC06-07	CC_AES12hour_100yr	PWOPRMHS0004133	0.4	11.2	117.647	5.9	0
HC06-08	CC_AES12hour_100yr	PWOPRMHS0004201	4.15	14.4	1383.333	2.9	0
HC06-09	CC_AES12hour_100yr	PWOPRMHS0004159	2.61	13	1044	3.2	0
HC06-10	CC_AES12hour_100yr	PWOPRMHS0004129	2.4	12.8	705.882	2.9	0
HC06-11	CC_AES12hour_100yr	PWOPRMHS0004130	0.22	17.6	157.143	0.6	0
HC06-12	CC_AES12hour_100yr	PWOPRMHS0004131	0.2	24.8	133.333	0.7	0
HC06-13	CC_AES12hour_100yr	PWOPRMHS0004132	0.28	51.2	93.333	3.7	0
HC06-14	CC_AES12hour_100yr	PWOPRMHS0004143	1.81	23	786.957	0.4	0
HC06-15	CC_AES12hour_100yr	PWOPRMHS0005178	0.12	80	120	0.3	0
HC06-16	CC_AES12hour_100yr	PWOPRMHS0004142	0.28	67	121.739	1.1	0
HC06-17	CC_AES12hour_100yr	PWOPRMHS0004142	1.54	22	550	0.4	0
HC06-18	CC_AES12hour_100yr	PWOPRMHS0005001	2.66	55.4	1209.091	0.4	0
HC06-19	CC_AES12hour_100yr	PWOPRMHS0004999	0.03	80	30	2.5	0
HC06-20	CC_AES12hour_100yr	PWOPRMHS0005000	0.21	80	210	0.4	0
HC06-21	CC_AES12hour_100yr	PWOPRMHS0001598	1.27	67	317.5	0.1	0
HC06-22	CC_AES12hour_100yr	PWOPRMHS0004998	0.06	80	60	1.6	0
HC06-23	CC_AES12hour_100yr	PWOPRMHS0001601	1.5	70	357.143	0.4	0
HC06-24	CC_AES12hour_100yr	PWOPRMHS0001602	0.12	80	120	0.9	0
HC06-25	CC_AES12hour_100yr	PWOPRMHS0001600	3.35	17.6	1046.875	3.8	0
HC06-26	CC_AES12hour_100yr	PWOPRMHS0001605	2.64	25.6	880	0.5	0
HC06-27	CC_AES12hour_100yr	PWOPRMHS0001603	0.16	76	160	0.6	0
HC06-28	CC_AES12hour_100yr	PWOPRMHS0001604	0.2	80	50	0.5	0
HC06-29	CC_AES12hour_100yr	PWOPRMHS0001606	1.24	8	364.706	0.6	0
HC06-30	CC_AES12hour_100yr	PWOPRMHS0001670	0.33	48	100	1.5	0
HC06-31	CC_AES12hour_100yr	42	1.81	1.6	754.167	1.8	0
HC06-32	CC_AES12hour_100yr	PWOPRMHS0005003	1.35	5.2	421.875	0.4	0
HC07-01	CC_AES12hour_100yr	PWOPRMHS0001697	3.02	17.2	915.152	0.2	0
HC07-02	CC_AES12hour_100yr	PWOPRMHS0001733	1.15	18.8	396.552	0.5	0
HC07-03	CC_AES12hour_100yr	PWOPRMHS0001736	0.37	15.2	246.667	0.6	0
HC07-04	CC_AES12hour_100yr	PWOPRMHS0001878	0.34	11.6	100	0.8	0
HC07-05	CC_AES12hour_100yr	PWOPRMHS0001614	0.29	15.2	85.294	0.1	0
HC07-06	CC_AES12hour_100yr	PWOPRMHS0001881	2.06	14	515	0.3	0
HC07-07	CC_AES12hour_100yr	PWOPRMHS0001643	0.38	14	95	1	0
HC07-08	CC_AES12hour_100yr	PWOPRMHS0001642	0.19	57.6	47.5	0.1	0
HC07-09	CC_AES12hour_100yr	PWOPRMHS0001611	0.25	17.6	92.593	3.3	0

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HC08-01          CC_AES12hour_100yr PWOPRMHS0005908 0.69    17.2     222.581  0.7      0
HC08-02          CC_AES12hour_100yr PWOPRMHS0005909 2.32    18.8     644.444  0.5      0
HC08-03          CC_AES12hour_100yr PWOPRMHS0005924 2       15.2     588.235  0.4      0
HC08-04          CC_AES12hour_100yr PWOPRMHS0005926 0.69    11.6     143.75   0.6      0
HC08-05          CC_AES12hour_100yr PWOPRMHS0005927 0.65    15.2     191.176  1.1      0
HC08-06          CC_AES12hour_100yr PWOPRMHS0005932 1.18    14       310.526  1        0
HC08-07          CC_AES12hour_100yr PWOPRMHS0005944 0.55    14       134.146  1.4      0
HC08-08          CC_AES12hour_100yr PWOPRMHS0005931 0.41    57.6     215.789  0.4      0
HC08-09          CC_AES12hour_100yr PWOPRMHS0005946 1.78    17.6     508.571  0.5      0
HC08-10          CC_AES12hour_100yr PWOPRMHS0005930 1.32    1.6      660      1.4      0
HC09-01          CC_AES12hour_100yr PWOPRMHS0001390 0.95    20       237.5    0.3      0
HC09-02          CC_AES12hour_100yr PWOPRMHS0001392 1.03    14       302.941  1        0
HC09-03          CC_AES12hour_100yr PWOPRMHS0001402 0.97    15.2     269.444  0.6      0
HC09-04          CC_AES12hour_100yr PWOPRMHS0001395 2.54    11.2     819.355  0.9      0
HC09-05          CC_AES12hour_100yr PWOPRMHS0001398 2.6     12.4     702.703  1.3      0
HC09-06          CC_AES12hour_100yr PWOPRMHS0001401 1.23    12       476.744  0.7      0
HC09-07          CC_AES12hour_100yr 36             0.48     8        266.667  0.3      0
HC10-01          CC_AES12hour_100yr PWOPRMHS0001408 4.47    12.3     1064.286 1.7      0
HC10-02          CC_AES12hour_100yr PWOPRMHS0001467 2.53    28.3     527.083  1.3      0
HC10-03          CC_AES12hour_100yr PWOPRMHS0001393 1.86    26.9     422.727  0.4      0
HC10-04          CC_AES12hour_100yr PWOPRMHS0001424 1.84    15.5     418.182  2.8      0
HC10-05          CC_AES12hour_100yr PWOPRMHS0001389 2.41    14.2     535.556  0.5      0
HC10-06          CC_AES12hour_100yr PWOPRMHS0001388 1.33    12.4     369.444  0.6      0
HC10-07          CC_AES12hour_100yr PWOPRMHS0001429 1.71    16.5     488.571  1.2      0
HC10-08          CC_AES12hour_100yr PWOPRMHS0001371 1.19    14.9     476      3.7      0
HC10-09          CC_AES12hour_100yr MHEasement2    1.39     12.2     315.909  1.1      0
HC10-10          CC_AES12hour_100yr PWOPRMHS0001423 0.28    14.9     93.333   1.9      0
HC10-11          CC_AES12hour_100yr PWOPRMHS0001422 0.27    19.5     158.824  2.1      0
HC10-12          CC_AES12hour_100yr 50             0.9      2.4      428.571  0.7      0
HC10-13          CC_AES12hour_100yr MHEasement1    0.59     16       131.111  0.8      0
HC10-14          CC_AES12hour_100yr PWOPRMHS0001374 0.46    16.3     115      2.1      0
HC10-15          CC_AES12hour_100yr PWOPRMHS0001420 0.4     16.5     160      1.6      0

[SUBAREAS]
;;Subcatchment   N-Imperv   N-Perv     S-Imperv   S-Perv     PctZero    RouteTo    PctRouted
;;-------------- ---------- ---------- ---------- ---------- ---------- ---------- ----------
A1               0.013      0.35       1          7          25         OUTLET
A1.1             0.013      0.2        1          5          25         OUTLET
A1.1_FRST        0.013      0.2        1          7          25         OUTLET
A2               0.013      0.35       1          7          25         OUTLET
A2.1             0.013      0.2        1          5          25         OUTLET
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A2.1_FRST	0.013	0.2	1	7	25	OUTLET
A2.2	0.013	0.2	1	5	25	OUTLET
A2.2_FRST	0.013	0.2	1	7	25	OUTLET
A3	0.013	0.35	1	7	25	OUTLET
A3.1	0.013	0.2	1	5	25	OUTLET
A3.1_FRST	0.013	0.2	1	7	25	OUTLET
A3.2	0.013	0.2	1	5	25	OUTLET
A3.2_FRST	0.013	0.2	1	7	25	OUTLET
A3.3	0.013	0.2	1	5	25	OUTLET
A3.3_FRST	0.013	0.2	1	7	25	OUTLET
A4	0.013	0.35	1	7	25	OUTLET
A4.1	0.013	0.2	1	5	25	OUTLET
A4.1_FRST	0.013	0.2	1	7	25	OUTLET
A4.2	0.013	0.2	1	5	25	OUTLET
A4.2_FRST	0.013	0.2	1	7	25	OUTLET
A4.3	0.013	0.2	1	5	25	OUTLET
A4.3_FRST	0.013	0.2	1	7	25	OUTLET
A4.4_FRST	0.013	0.2	1	7	25	OUTLET
A4.5	0.013	0.2	1	5	25	OUTLET
A4.5_FRST	0.013	0.2	1	7	25	OUTLET
A4.6	0.013	0.2	1	5	25	OUTLET
A4.6_FRST	0.013	0.2	1	7	25	OUTLET
B1	0.013	0.35	1	7	25	OUTLET
B1.1	0.013	0.2	1	5	25	OUTLET
B1.1_FRST	0.013	0.2	1	7	25	OUTLET
B2	0.013	0.35	1	7	25	OUTLET
B2.1	0.013	0.2	1	5	25	OUTLET
B2.1_FRST	0.013	0.2	1	7	25	OUTLET
C1	0.013	0.35	1	7	25	OUTLET
C1.1	0.013	0.2	1	5	25	OUTLET
C1.1_FRST	0.013	0.2	1	7	25	OUTLET
D1	0.013	0.35	1	7	25	OUTLET
D1.1	0.013	0.2	1	5	25	OUTLET
D1.1_FRST	0.013	0.2	1	7	25	OUTLET
D2	0.013	0.35	1	7	25	OUTLET
D2.1	0.013	0.2	1	5	25	OUTLET
D2.1_FRST	0.013	0.2	1	7	25	OUTLET
D3	0.013	0.35	1	7	25	OUTLET
D3.1	0.013	0.2	1	5	25	OUTLET
D4	0.013	0.35	1	7	25	OUTLET
D4.1	0.013	0.2	1	5	25	OUTLET

D4.1_FRST	0.013	0.2	1	7	25	OUTLET
E1	0.013	0.35	1	7	25	OUTLET
E1.1	0.013	0.2	1	5	25	OUTLET
E1.1_FRST	0.013	0.2	1	7	25	OUTLET
E2	0.013	0.35	1	7	25	OUTLET
E2.1	0.013	0.2	1	5	25	OUTLET
E2.1_FRST	0.013	0.2	1	7	25	OUTLET
E3	0.013	0.35	1	7	25	OUTLET
E3.1	0.013	0.2	1	5	25	OUTLET
E3.1_FRST	0.013	0.2	1	7	25	OUTLET
HC01-01	0.013	0.2	1	5	25	OUTLET
HC01-02	0.013	0.2	1	5	25	OUTLET
HC01-03	0.013	0.2	1	5	25	OUTLET
HC01-04	0.013	0.2	1	5	25	OUTLET
HC01-05	0.013	0.2	1	5	25	OUTLET
HC01-06	0.013	0.2	1	5	25	OUTLET
HC01-07	0.013	0.2	1	5	25	OUTLET
HC01-08	0.013	0.2	1	5	25	OUTLET
HC01-09	0.013	0.2	1	5	25	OUTLET
HC01-10	0.013	0.2	1	5	25	OUTLET
HC01-11	0.013	0.2	1	5	25	OUTLET
HC01-12	0.013	0.2	1	5	25	OUTLET
HC02-01	0.013	0.2	1	5	25	OUTLET
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HC02-03	0.013	0.2	1	5	25	OUTLET
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HC02-05	0.013	0.2	1	5	25	OUTLET
HC02-06	0.013	0.2	1	5	25	OUTLET
HC02-07	0.013	0.2	1	5	25	OUTLET
HC02-08	0.013	0.2	1	5	25	OUTLET
HC02-09	0.013	0.2	1	5	25	OUTLET
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HC02-11	0.013	0.2	1	5	25	OUTLET
HC02-12	0.013	0.2	1	5	25	OUTLET
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HC02-14	0.013	0.2	1	5	25	OUTLET
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HC02-20	0.013	0.2	1	5	25	OUTLET
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HC02-27	0.013	0.2	1	5	25	OUTLET
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HC03-02	0.013	0.2	1	5	25	OUTLET
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HC04-01	0.013	0.2	1	5	25	OUTLET

HC04-02	0.013	0.2	1	5	25	OUTLET
HC04-03	0.013	0.2	1	5	25	OUTLET
HC04-04	0.013	0.2	1	5	25	OUTLET
HC04-05	0.013	0.2	1	5	25	OUTLET
HC04-06	0.013	0.2	1	5	25	OUTLET
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HC05-05	0.013	0.2	1	5	25	OUTLET
HC05-06	0.013	0.2	1	5	25	OUTLET

HC05-07	0.013	0.2	1	5	25	OUTLET
HC05-08	0.013	0.2	1	5	25	OUTLET
HC05-09	0.013	0.2	1	5	25	OUTLET
HC05-10	0.013	0.2	1	5	25	OUTLET
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HC06-09	0.013	0.2	1	5	25	OUTLET
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HC06-11	0.013	0.2	1	5	25	OUTLET
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HC06-15	0.013	0.2	1	5	25	OUTLET
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HC06-17	0.013	0.2	1	5	25	OUTLET
HC06-18	0.013	0.2	1	5	25	OUTLET
HC06-19	0.013	0.2	1	5	25	OUTLET
HC06-20	0.013	0.2	1	5	25	OUTLET
HC06-21	0.013	0.2	1	5	25	OUTLET
HC06-22	0.013	0.2	1	5	25	OUTLET
HC06-23	0.013	0.2	1	5	25	OUTLET
HC06-24	0.013	0.2	1	5	25	OUTLET
HC06-25	0.013	0.2	1	5	25	OUTLET
HC06-26	0.013	0.2	1	5	25	OUTLET
HC06-27	0.013	0.2	1	5	25	OUTLET
HC06-28	0.013	0.2	1	5	25	OUTLET
HC06-29	0.013	0.2	1	5	25	OUTLET
HC06-30	0.013	0.2	1	5	25	OUTLET
HC06-31	0.013	0.2	1	5	25	OUTLET
HC06-32	0.013	0.2	1	5	25	OUTLET
HC07-01	0.013	0.2	1	5	25	OUTLET
HC07-02	0.013	0.2	1	5	25	OUTLET
HC07-03	0.013	0.2	1	5	25	OUTLET
HC07-04	0.013	0.2	1	5	25	OUTLET

```
HC07-05          0.013      0.2        1          5          25         OUTLET
HC07-06          0.013      0.2        1          5          25         OUTLET
HC07-07          0.013      0.2        1          5          25         OUTLET
HC07-08          0.013      0.2        1          5          25         OUTLET
HC07-09          0.013      0.2        1          5          25         OUTLET
HC08-01          0.013      0.2        1          5          25         OUTLET
HC08-02          0.013      0.2        1          5          25         OUTLET
HC08-03          0.013      0.2        1          5          25         OUTLET
HC08-04          0.013      0.2        1          5          25         OUTLET
HC08-05          0.013      0.2        1          5          25         OUTLET
HC08-06          0.013      0.2        1          5          25         OUTLET
HC08-07          0.013      0.2        1          5          25         OUTLET
HC08-08          0.013      0.2        1          5          25         OUTLET
HC08-09          0.013      0.2        1          5          25         OUTLET
HC08-10          0.013      0.2        1          5          25         OUTLET
HC09-01          0.013      0.2        1          5          25         OUTLET
HC09-02          0.013      0.2        1          5          25         OUTLET
HC09-03          0.013      0.2        1          5          25         OUTLET
HC09-04          0.013      0.2        1          5          25         OUTLET
HC09-05          0.013      0.2        1          5          25         OUTLET
HC09-06          0.013      0.2        1          5          25         OUTLET
HC09-07          0.013      0.2        1          5          25         OUTLET
HC10-01          0.013      0.2        1          5          25         OUTLET
HC10-02          0.013      0.2        1          5          25         OUTLET
HC10-03          0.013      0.2        1          5          25         OUTLET
HC10-04          0.013      0.2        1          5          25         OUTLET
HC10-05          0.013      0.2        1          5          25         OUTLET
HC10-06          0.013      0.2        1          5          25         OUTLET
HC10-07          0.013      0.2        1          5          25         OUTLET
HC10-08          0.013      0.2        1          5          25         OUTLET
HC10-09          0.013      0.2        1          5          25         OUTLET
HC10-10          0.013      0.2        1          5          25         OUTLET
HC10-11          0.013      0.2        1          5          25         OUTLET
HC10-12          0.013      0.2        1          5          25         OUTLET
HC10-13          0.013      0.2        1          5          25         OUTLET
HC10-14          0.013      0.2        1          5          25         OUTLET
HC10-15          0.013      0.2        1          5          25         OUTLET

[INFILTRATION]
;;Subcatchment   Suction    HydCon     IMDmax
;;-------------- ---------- ---------- ----------
```

A1	166	5	0.2
A1.1	248	2	0.2
A1.1_FRST	227	3	0.2
A2	192	5	0.2
A2.1	238	4	0.2
A2.1_FRST	235	5	0.2
A2.2	244	3	0.2
A2.2_FRST	229	5	0.2
A3	157	8	0.2
A3.1	250	2	0.2
A3.1_FRST	238	5	0.2
A3.2	242	3	0.2
A3.2_FRST	193	7	0.2
A3.3	249	2	0.2
A3.3_FRST	179	8	0.2
A4	156	6	0.2
A4.1	247	2	0.2
A4.1_FRST	210	6	0.2
A4.2	250	2	0.2
A4.2_FRST	220	4	0.2
A4.3	243	3	0.2
A4.3_FRST	154	9	0.2
A4.4_FRST	144	10	0.2
A4.5	245	2	0.2
A4.5_FRST	233	3	0.2
A4.6	193	7	0.2
A4.6_FRST	152	9	0.2
B1	250	2	0.2
B1.1	250	2	0.2
B1.1_FRST	250	2	0.2
B2	250	2	0.2
B2.1	250	2	0.2
B2.1_FRST	250	2	0.2
C1	147	5	0.2
C1.1	236	3	0.2
C1.1_FRST	151	5	0.2
D1	145	7	0.2
D1.1	147	10	0.2
D1.1_FRST	146	7	0.2
D2	146	6	0.2
D2.1	155	9	0.2

D2.1_FRST	145	8	0.2
D3	172	5	0.2
D3.1	160	9	0.2
D4	145	7	0.2
D4.1	172	8	0.2
D4.1_FRST	150	8	0.2
E1	213	5	0.2
E1.1	188	5	0.2
E1.1_FRST	166	7	0.2
E2	233	3	0.2
E2.1	250	2	0.2
E2.1_FRST	241	3	0.2
E3	170	9	0.2
E3.1	217	5	0.2
E3.1_FRST	201	6	0.2
HC01-01	237	4.6	0.2
HC01-02	237	4.5	0.2
HC01-03	237	4.5	0.2
HC01-04	237	4.7	0.2
HC01-05	237	4.5	0.2
HC01-06	237	4.5	0.2
HC01-07	237	4.5	0.2
HC01-08	237	4.5	0.2
HC01-09	237	4.5	0.2
HC01-10	237	4.5	0.2
HC01-11	237	4.5	0.2
HC01-12	146	4.5	0.2
HC02-01	237	4.4	0.2
HC02-02	237	3.9	0.2
HC02-03	237	4.1	0.2
HC02-04	237	4.3	0.2
HC02-05	237	4.4	0.2
HC02-06	237	4.4	0.2
HC02-07	237	4.5	0.2
HC02-08	237	4.6	0.2
HC02-09	237	4.5	0.2
HC02-10	237	4.6	0.2
HC02-11	237	4.5	0.2
HC02-12	237	4.6	0.2
HC02-13	237	4.6	0.2
HC02-14	237	4.6	0.2

HC02-15	237	4.5	0.2
HC02-16	144	9.7	0.2
HC02-17	146	4.5	0.2
HC02-18	144	9.7	0.2
HC02-19	144	9.6	0.2
HC02-20	237	4.3	0.2
HC02-21	237	4.5	0.2
HC02-22	237	4.5	0.2
HC02-23	237	4.1	0.2
HC02-24	237	3.6	0.2
HC02-25	237	4	0.2
HC02-26	237	3.8	0.2
HC02-27	144	9.6	0.2
HC02-28	144	9.6	0.2
HC02-29	144	9.3	0.2
HC02-30	144	10.4	0.2
HC02-31	144	9.5	0.2
HC02-32	144	9.6	0.2
HC02-33	144	9.5	0.2
HC02-34	144	9.3	0.2
HC02-35	144	10.3	0.2
HC02-36	144	10	0.2
HC02-37	144	10	0.2
HC02-38	237	4.5	0.2
HC02-39	237	4.6	0.2
HC03-01	237	3.7	0.2
HC03-02	237	4.4	0.2
HC03-03	237	4.4	0.2
HC03-04	237	4.4	0.2
HC03-05	237	4.2	0.2
HC03-06	237	4.5	0.2
HC03-07	237	4.4	0.2
HC03-08	144	9.9	0.2
HC03-09	144	10	0.2
HC03-10	144	9.9	0.2
HC03-11	144	9.9	0.2
HC03-12	144	9.7	0.2
HC03-13	144	9.5	0.2
HC03-14	144	7.6	0.2
HC03-15	144	9.7	0.2
HC03-16	144	9.5	0.2

HC03-17	237	4.2	0.2
HC03-18	237	3.6	0.2
HC03-19	237	4.7	0.2
HC03-20	237	4.7	0.2
HC04-01	146	4.6	0.2
HC04-02	144	10	0.2
HC04-03	144	10	0.2
HC04-04	146	4.6	0.2
HC04-05	144	9.8	0.2
HC04-06	144	9.8	0.2
HC04-07	144	9.1	0.2
HC04-08	144	9.9	0.2
HC04-09	144	9.8	0.2
HC04-10	144	9.8	0.2
HC04-11	144	10.2	0.2
HC04-12	144	9.8	0.2
HC04-13	144	9.5	0.2
HC04-14	237	4.5	0.2
HC04-15	237	4.5	0.2
HC04-16	237	4.4	0.2
HC04-17	237	4.5	0.2
HC04-18	237	4.5	0.2
HC04-19	237	4.6	0.2
HC04-20	237	4.6	0.2
HC04-21	237	4.5	0.2
HC04-22	237	4.5	0.2
HC04-23	237	4.6	0.2
HC04-24	237	4.5	0.2
HC04-25	146	4.5	0.2
HC04-26	144	9.8	0.2
HC04-27	237	4.6	0.2
HC04-28	144	9.5	0.2
HC04-29	146	4.5	0.2
HC04-30	146	4.5	0.2
HC04-31	144	9.4	0.2
HC04-32	144	9.5	0.2
HC04-33	144	9.7	0.2
HC04-34	144	10	0.2
HC04-35	144	9.7	0.2
HC04-36	146	4.3	0.2
HC05-01	146	4.6	0.2

HC05-02	146	4.6	0.2
HC05-03	144	5	0.2
HC05-04	144	10	0.2
HC05-05	144	9.3	0.2
HC05-06	144	9.7	0.2
HC05-07	144	9.8	0.2
HC05-08	144	9.7	0.2
HC05-09	144	9.8	0.2
HC05-10	144	9.6	0.2
HC05-11	144	10	0.2
HC06-01	237	4.4	0.2
HC06-02	237	4.4	0.2
HC06-03	237	4.8	0.2
HC06-04	237	4.8	0.2
HC06-05	237	4.5	0.2
HC06-06	237	4.5	0.2
HC06-07	146	4.5	0.2
HC06-08	237	4.5	0.2
HC06-09	237	4.5	0.2
HC06-10	237	4.5	0.2
HC06-11	146	4.4	0.2
HC06-12	146	4.4	0.2
HC06-13	144	8.2	0.2
HC06-14	144	7.8	0.2
HC06-15	144	3.5	0.2
HC06-16	144	5.9	0.2
HC06-17	144	8	0.2
HC06-18	144	8	0.2
HC06-19	144	3.5	0.2
HC06-20	144	3.5	0.2
HC06-21	144	6.6	0.2
HC06-22	144	3.5	0.2
HC06-23	144	6.2	0.2
HC06-24	144	3.5	0.2
HC06-25	146	4.4	0.2
HC06-26	144	9.7	0.2
HC06-27	144	5	0.2
HC06-28	144	3.5	0.2
HC06-29	146	4.7	0.2
HC06-30	146	4.2	0.2
HC06-31	144	10.3	0.2

HC06-32	144	10	0.2
HC07-01	144	9.7	0.2
HC07-02	144	9.8	0.2
HC07-03	144	9.6	0.2
HC07-04	144	9.7	0.2
HC07-05	144	9.8	0.2
HC07-06	144	9.7	0.2
HC07-07	144	9.8	0.2
HC07-08	144	9.6	0.2
HC07-09	144	10.3	0.2
HC08-01	146	4.5	0.2
HC08-02	146	4.4	0.2
HC08-03	144	9.5	0.2
HC08-04	146	4.6	0.2
HC08-05	146	4.3	0.2
HC08-06	146	4.5	0.2
HC08-07	146	4.5	0.2
HC08-08	146	3.7	0.2
HC08-09	146	4.2	0.2
HC08-10	146	4.7	0.2
HC09-01	144	10.1	0.2
HC09-02	144	10.2	0.2
HC09-03	144	9.9	0.2
HC09-04	144	10	0.2
HC09-05	144	9.9	0.2
HC09-06	144	9.9	0.2
HC09-07	144	9.7	0.2
HC10-01	144	10.1	0.2
HC10-02	144	9.4	0.2
HC10-03	144	9.6	0.2
HC10-04	144	9.9	0.2
HC10-05	144	10	0.2
HC10-06	144	9.9	0.2
HC10-07	144	9.9	0.2
HC10-08	144	10	0.2
HC10-09	144	9.9	0.2
HC10-10	144	10	0.2
HC10-11	144	9.8	0.2
HC10-12	144	10.3	0.2
HC10-13	144	9.9	0.2
HC10-14	144	9.9	0.2

```
HC10-15          144        9.9        0.2

[JUNCTIONS]
;;               Invert     Max.       Init.      Surcharge  Ponded
;;Name           Elev.      Depth      Depth      Depth      Area
;;-------------- ---------- ---------- ---------- ---------- ----------
1                332.644    3          0          0          0
11               316.607    3          0          0          0
12               315.5      3          0          0          0
;7
13               314.5      3          0          0          0
14               331.1      3          0          0          0
15               313.95     3          0          0          0
17               312        3          0          0          0
;2
18               322.5      3          0          0          0
19               323.5      3          0          0          0
2                324        3          0          0          0
20               330.1      0          0          0          0
;5
21               321.1      3          0          0          0
;3
22               321.5      3          0          0          0
24               320.5      3          0          0          0
25               321.103    3          0          0          0
26               327.931    3          0          0          0
27               326.5      3          0          0          0
28               326.1      3          0          0          0
29               323.893    3          0          0          0
3                330.57     3          0          0          0
30               320.5      3          0          0          0
;6
31               320.148    3          0          0          0
32               319        3          0          0          0
34               317.868    3          0          0          0
35               317.5      3          0          0          0
36               315.5      3          0          0          0
37               324.1      3          0          0          0
39               321.3      3          0          0          0
4                325        3          0          0          0
40               319.1      3          0          0          0
```

```
42                  322.1      3          0          0          0
48                  324.6      3          0          0          0
49                  321.6      3          0          0          0
;1
5                   329.5      3          0          0          0
50                  318.1      3          0          0          0
53                  314.1      3          0          0          0
54                  313.925    3          0          0          0
;8
56                  301.1      3          0          0          0
6                   329        3          0          0          0
7                   318.1      3          0          0          0
8                   320.964    3          0          0          0
;4
9                   320.404    3          0          0          0
MHEasement1         319.07     3.83       0          0          0
MHEasement2         318.7      2          0          0          0
MHSchool            328.55     3.18       0          0.3        0
MHSWM4              319.25     4.3        0          0.3        0
PWOPRMHS0001369     319.39     2.49       0          0.3        0
PWOPRMHS0001370     319.27     3.33       0          0.3        0
PWOPRMHS0001371     319.82     3.07       0          0.3        0
PWOPRMHS0001372     320.15     3.07       0          0.3        0
PWOPRMHS0001373     320.02     2.26       0          0.3        0
PWOPRMHS0001374     319.69     2.9        0          0.3        0
PWOPRMHS0001375     319.57     2.83       0          0.3        0
PWOPRMHS0001386     318.61     2.05       0          0.3        0
PWOPRMHS0001387     318.75     2.27       0          0.3        0
PWOPRMHS0001388     318.93     2.35       0          0.3        0
PWOPRMHS0001389     319.13     2.39       0          0.3        0
PWOPRMHS0001390     317.49     3.36       0          0.3        0
PWOPRMHS0001391     317.27     3.16       0          0.3        0
PWOPRMHS0001392     318.18     2.66       0          0.3        0
PWOPRMHS0001393     320.19     2.79       0          0.3        0
PWOPRMHS0001394     316.86     2.8        0          0.3        0
PWOPRMHS0001395     316.79     2.63       0          0.3        0
PWOPRMHS0001398     317.27     3.29       0          0.3        0
PWOPRMHS0001399     317.15     2.87       0          0.3        0
PWOPRMHS0001400     316.99     2.75       0          0.3        0
PWOPRMHS0001401     316.67     2.83       0          0.3        0
PWOPRMHS0001402     316.5      2.78       0          0.3        0
```

PWOPRMHS0001403	321.7	3.25	0	0.3	0
PWOPRMHS0001404	320.54	2.9	0	0.3	0
PWOPRMHS0001408	320.83	2.96	0	0.3	0
PWOPRMHS0001409	327.81	2.43	0	0.3	0
PWOPRMHS0001410	326.47	3.97	0	0.3	0
PWOPRMHS0001411	327.47	3.16	0	0.3	0
PWOPRMHS0001412	331.69	3.81	0	0.3	0
PWOPRMHS0001413	331.74	3.86	0	0.3	0
PWOPRMHS0001415	319.68	2.59	0	0.3	0
PWOPRMHS0001416	318.99	4.22	0	0.3	0
PWOPRMHS0001418	318.73	3.45	0	0.3	0
PWOPRMHS0001419	319.99	3.16	0	0.3	0
PWOPRMHS0001420	320.5	3.14	0	0.3	0
PWOPRMHS0001421	320.94	3.21	0	0.3	0
PWOPRMHS0001422	320.28	2.33	0	0.3	0
PWOPRMHS0001423	320.43	2.8	0	0.3	0
PWOPRMHS0001424	320.96	2.34	0	0.3	0
PWOPRMHS0001428	323.21	3.02	0	0.3	0
PWOPRMHS0001429	321.35	3.17	0	0.3	0
PWOPRMHS0001430	321.23	2.88	0	0.3	0
PWOPRMHS0001431	323.01	3.1	0	0.3	0
PWOPRMHS0001433	319.78	3.9	0	0.3	0
PWOPRMHS0001435	319.64	2.89	0	0.3	0
PWOPRMHS0001436	318.35	5.33	0	0.3	0
PWOPRMHS0001437	319.38	3.85	0	0.5	0
PWOPRMHS0001438	318.2	4.24	0	0.3	0
PWOPRMHS0001467	320.92	2.97	0	0.3	0
PWOPRMHS0001597	324.78	2.86	0	0.3	0
PWOPRMHS0001598	325.49	2.11	0	0.3	0
PWOPRMHS0001600	324.66	3.3	0	0.3	0
PWOPRMHS0001601	326.15	2	0	0.3	0
PWOPRMHS0001602	325.98	2	0	0.3	0
PWOPRMHS0001603	324.23	3.25	0	0.3	0
PWOPRMHS0001604	323.95	3.47	0	0.3	0
PWOPRMHS0001605	324.34	3.15	0	0.3	0
PWOPRMHS0001606	323.57	3.36	0	0.3	0
PWOPRMHS0001608	325.67	2.5	0	0.3	0
PWOPRMHS0001610	325.44	2.21	0	0.3	0
PWOPRMHS0001611	322.87	2.24	0	0.3	0
PWOPRMHS0001614	322.91	3.09	0	0.3	0
PWOPRMHS0001622	332.73	2.22	0	0.3	0

PWOPRMHS0001624	330.92	3.93	0	0.3	0
PWOPRMHS0001625	330.61	4.33	0	0.3	0
PWOPRMHS0001626	331	4.4	0	0.3	0
PWOPRMHS0001634	326.21	3.77	0	0.3	0
PWOPRMHS0001642	323.27	2.84	0	0.3	0
PWOPRMHS0001643	323.38	2.83	0	0.3	0
PWOPRMHS0001649	329.21	4.17	0	0.3	0
PWOPRMHS0001650	329.57	3.87	0	0.3	0
PWOPRMHS0001651	330.28	4.11	0	0.3	0
PWOPRMHS0001652	326.89	2.16	0	0.3	0
PWOPRMHS0001653	325.24	2.15	0	0.3	0
PWOPRMHS0001654	324.91	2.39	0	0.3	0
PWOPRMHS0001655	330	3.56	0	0.3	0
PWOPRMHS0001657	324.58	2.47	0	0.3	0
PWOPRMHS0001658	324.92	2.21	0	0.3	0
PWOPRMHS0001659	325.31	2.46	0	0.3	0
PWOPRMHS0001660	324.1	2.85	0	0.3	0
PWOPRMHS0001661B	324.31	2.45	0	0.3	0
PWOPRMHS0001662	323.95	2.98	0	0.3	0
PWOPRMHS0001663	324.06	2.66	0	0.3	0
PWOPRMHS0001664	326.35	2.28	0	0.3	0
PWOPRMHS0001667	323.15	3.08	0	0.3	0
PWOPRMHS0001670	322.92	2	0	0.3	0
PWOPRMHS0001674	325.88	3.53	0	0.3	0
PWOPRMHS0001676	326.33	3.2	0	0.3	0
PWOPRMHS0001677	326.59	3.15	0	0.3	0
PWOPRMHS0001678	327.01	2.79	0	0.3	0
PWOPRMHS0001679	335.89	2.66	0	0.3	0
PWOPRMHS0001680	335.06	3.4	0	0.3	0
PWOPRMHS0001682	328.1	3.89	0	0.3	0
PWOPRMHS0001686	328.55	3.6	0	0.3	0
PWOPRMHS0001687	326.4	3.48	0	0.3	0
PWOPRMHS0001688	326.1	3.34	0	0.3	0
PWOPRMHS0001689	326.61	3.68	0	0.3	0
PWOPRMHS0001690	326.74	3.56	0	0.3	0
PWOPRMHS0001691	326.982	3.598	0	0.3	0
PWOPRMHS0001692	327.57	3.44	0	0.3	0
PWOPRMHS0001695	322.25	3.57	0	0.3	0
PWOPRMHS0001697	323.91	3.11	0	0.3	0
PWOPRMHS0001705	328.53	3.5	0	0.3	0
PWOPRMHS0001706	327.14	3.06	0	0.3	0

PWOPRMHS0001713	325.51	3.65	0	0.3	0
PWOPRMHS0001729	329.08	3.52	0	0.3	0
PWOPRMHS0001732	328.98	3.3	0	0.3	0
PWOPRMHS0001733	324.05	2.7	0	0.3	0
PWOPRMHS0001736	323.4	3.15	0	0.3	0
PWOPRMHS0001739	328.89	3.32	0	0.3	0
PWOPRMHS0001740	328.72	3.33	0	0.3	0
PWOPRMHS0001741	329.48	2.76	0	0.3	0
PWOPRMHS0001743	327.29	3.33	0	0.3	0
PWOPRMHS0001744	327.73	3.33	0	0.3	0
PWOPRMHS0001745	328.06	3.3	0	0.3	0
PWOPRMHS0001746	327.93	3.33	0	0.3	0
PWOPRMHS0001761	329.15	2.76	0	0.3	0
PWOPRMHS0001764	327.46	3.78	0	0.3	0
PWOPRMHS0001765	328.04	2.39	0	0.3	0
PWOPRMHS0001766	328.32	2.41	0	0.3	0
PWOPRMHS0001767	327.25	3.62	0	0.3	0
PWOPRMHS0001768	327.85	2.58	0	0.3	0
PWOPRMHS0001788	322.94	3.97	0	0.3	0
PWOPRMHS0001791	325.59	5.96	0	0.3	0
PWOPRMHS0001792	325.24	6.82	0	0.3	0
PWOPRMHS0001796	326.65	4.02	0	0	0
PWOPRMHS0001797	326.4	4.83	0	0	0
PWOPRMHS0001798	326.06	5.77	0	0.3	0
PWOPRMHS0001804	331.98	3.61	0	0.3	0
PWOPRMHS0001836	324.56	5.25	0	0.3	0
PWOPRMHS0001855	326.21	3.73	0	0.3	0
PWOPRMHS0001856	327.73	3.67	0	0.3	0
PWOPRMHS0001857	322.43	3.51	0	0.3	0
PWOPRMHS0001858	329.93	3.69	0	0.3	0
PWOPRMHS0001867	331.94	2.78	0	0.3	0
PWOPRMHS0001874	329.87	3.05	0	0.3	0
PWOPRMHS0001878	323.28	2.96	0	0.3	0
PWOPRMHS0001879	323.04	3.03	0	0.3	0
PWOPRMHS0001881	323.57	2.92	0	0.3	0
PWOPRMHS0001889	324.63	3.44	0	0.3	0
PWOPRMHS0001890	324.52	3.31	0	0.3	0
PWOPRMHS0001891	325.1	2.9	0	0.3	0
PWOPRMHS0001894	324.23	3	0	0.3	0
PWOPRMHS0001903	332.72	2.54	0	0.3	0
PWOPRMHS0001904	330.44	3.67	0	0.3	0

PWOPRMHS0001906	318.8	3.49	0	0.3	0
PWOPRMHS0001907	318.83	2.99	0	0.3	0
PWOPRMHS0001908	319.55	3.08	0	0.3	0
PWOPRMHS0001911	318.49	3.65	0	0.3	0
PWOPRMHS0001912	317.51	3.82	0	0.3	0
PWOPRMHS0001914	331.83	2.71	0	0.3	0
PWOPRMHS0001915	329.19	3.84	0	0.3	0
PWOPRMHS0001916	327.59	3.14	0	0.3	0
PWOPRMHS0001917	319.24	2.98	0	0.3	0
PWOPRMHS0001918	317.81	4.03	0	0.3	0
PWOPRMHS0001919	327.8	2.84	0	0.3	0
PWOPRMHS0001925	323.33	3.36	0	0.3	0
PWOPRMHS0001926	322.69	2.47	0	0.3	0
PWOPRMHS0001927	323.51	2.31	0	0.3	0
PWOPRMHS0001928	322.2	2.41	0	0.3	0
PWOPRMHS0001929	323.85	3.52	0	0.3	0
PWOPRMHS0001930	323.07	3.07	0	0.3	0
PWOPRMHS0001931	324.99	5.43	0	0.3	0
PWOPRMHS0001932	325.31	8.34	0	0.3	0
PWOPRMHS0001933	325.66	9.07	0	0.3	0
PWOPRMHS0001935	326.03	7.44	0	0.3	0
PWOPRMHS0001937	324.28	3.82	0	0.3	0
PWOPRMHS0001939	327.51	3.59	0	0.3	0
PWOPRMHS0001941	326.79	3.74	0	0	0
PWOPRMHS0001943	326.42	5.3	0	0.3	0
PWOPRMHS0001944	322.64	3	0	0.3	0
PWOPRMHS0001945	323.32	2.88	0	0.3	0
PWOPRMHS0001947	324.02	2.7	0	0.3	0
PWOPRMHS0002041	329.07	2.98	0	0.3	0
PWOPRMHS0002042	329.56	4.01	0	0.3	0
PWOPRMHS0002046	330.72	2.86	0	0.3	0
PWOPRMHS0002050	328.97	2.87	0	0.3	0
PWOPRMHS0002051	328.27	3.3	0	0.3	0
PWOPRMHS0002080	325.23	3.1	0	0.3	0
PWOPRMHS0002082	326.71	4.05	0	0.3	0
PWOPRMHS0002083	325.32	3.61	0	0.3	0
PWOPRMHS0002084	324.97	3.82	0	0.3	0
PWOPRMHS0002085	329.39	3.11	0	0.3	0
PWOPRMHS0002095	336.04	3.41	0	0.3	0
PWOPRMHS0003136	328.89	3.7	0	0.3	0
PWOPRMHS0003137	329.5	3.26	0	0.3	0

PWOPRMHS0003140	327.35	2.76	0	0.3	0
PWOPRMHS0003146	334.6	3.92	0	0.3	0
PWOPRMHS0003147	333.79	2.72	0	0.3	0
PWOPRMHS0003148	331.89	3.16	0	0.3	0
PWOPRMHS0003149	330.86	3.81	0	0.3	0
PWOPRMHS0003153	336.16	2.43	0	0.3	0
PWOPRMHS0003160	335.5	2.92	0	0.3	0
PWOPRMHS0004129	329.07	2	0	0.3	0
PWOPRMHS0004130	328.83	2.13	0	0.3	0
PWOPRMHS0004131	328.57	2	0	0.3	0
PWOPRMHS0004132	328.13	2.51	0	0.3	0
PWOPRMHS0004133	328.79	2	0	0.3	0
PWOPRMHS0004134	331.94	2	0	0.3	0
PWOPRMHS0004135	332.43	2.02	0	0.3	0
PWOPRMHS0004137	334.38	2.53	0	0.3	0
PWOPRMHS0004141	327.38	2.19	0	0.3	0
PWOPRMHS0004142	327.04	2.46	0	0.3	0
PWOPRMHS0004143	327.78	2	0	0.3	0
PWOPRMHS0004146	332.4	2	0	0.3	0
PWOPRMHS0004159	329.63	2	0	0.3	0
PWOPRMHS0004201	329.52	2	0	0.3	0
PWOPRMHS0004998	326.73	2	0	0.3	0
PWOPRMHS0004999	327.49	2	0	0.3	0
PWOPRMHS0005000	326.99	2.32	0	0.3	0
PWOPRMHS0005001	327.12	2.55	0	0.3	0
PWOPRMHS0005003	326.19	2	0	0.3	0
PWOPRMHS0005008	338.52	4.48	0	0.3	0
PWOPRMHS0005009	339.39	4.26	0	0.3	0
PWOPRMHS0005010	338.14	4.66	0	0.3	0
PWOPRMHS0005011	334.98	3.72	0	0.3	0
PWOPRMHS0005012	335.55	3.95	0	0.3	0
PWOPRMHS0005013	334.8	3.45	0	0.3	0
PWOPRMHS0005178	328.64	2	0	0.3	0
PWOPRMHS0005179	326.2	4.1	0	0.3	0
PWOPRMHS0005181	326.66	3.12	0	0.3	0
PWOPRMHS0005183	327.74	2.96	0	0.3	0
PWOPRMHS0005188	329.94	2.33	0	0.3	0
PWOPRMHS0005196	328.21	2.69	0	0.3	0
PWOPRMHS0005223	325.84	3.81	0	0.3	0
PWOPRMHS0005226	325.46	3.04	0	0.3	0
PWOPRMHS0005229	324.74	2.51	0	0.3	0

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PWOPRMHS0005230  324.55     2.65       0          0.3        0
PWOPRMHS0005231  325.24     2.4        0          0.3        0
PWOPRMHS0005906  319.63     2          0          0.3        0
PWOPRMHS0005908  318.92     2.18       0          0.3        0
PWOPRMHS0005909  318.44     2.56       0          0.3        0
PWOPRMHS0005910  318.95     2.55       0          0.3        0
PWOPRMHS0005911  319.29     2.46       0          0.3        0
PWOPRMHS0005924  318.6      2.4        0          0.3        0
PWOPRMHS0005926  318.05     2.75       0          0.3        0
PWOPRMHS0005927  317.76     2.44       0          0.3        0
PWOPRMHS0005930  317.25     2.3        0          0.3        0
PWOPRMHS0005931  317.7      2          0          0.3        0
PWOPRMHS0005932  317.88     2          0          0.3        0
PWOPRMHS0005944  318.32     2.18       0          0.3        0
PWOPRMHS0005945  318.22     2          0          0.3        0
PWOPRMHS0005946  318.5      2          0          0.3        0
SWMPOND          322        3          0          0.3        0

[OUTFALLS]
;;               Invert     Outfall    Stage/Table      Tide
;;Name           Elev.      Type       Time Series      Gate     Route To
;;-------------- ---------- ---------- ---------------- -------- ----------------
A1_OVERFLOW      317        FREE                        NO       A1
A2_OVERFLOW      329        FREE                        NO       A2
A3_OVERFLOW      326        FREE                        NO       A3
A4_OVERFLOW      317        FREE                        NO       A4
B1_OVERFLOW      324        FREE                        NO       B1
B2_OVERFLOW      322        FREE                        NO       B2
C1_OVERFLOW      319        FREE                        NO       C1
D1_OVERFLOW      324.5      FREE                        NO       D1
D2_OVERFLOW      321        FREE                        NO       D3
D3_OVERFLOW      321.5      FREE                        NO       D3
D4_OVERFLOW      318        FREE                        NO       D4
E1_OVERFLOW      314        FREE                        NO       E1
E2_OVERFLOW      313.9      FREE                        NO       E2
HanlonCreek      300        FREE                        NO

[STORAGE]
;;               Invert   Max.       Init.      Storage    Curve                                  Evap.
;;Name           Elev.    Depth      Depth      Curve      Params                                 Frac.
Infiltration parameters
```

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;;-------------- -------- ---------- ---------- ---------- --------- --------- -------- -------- -------- ---------
--------------
S_A1             331      3          0          TABULAR    WetlandA1                  0        0
S_A2             330      3          0          TABULAR    WetlandA2                  0        0
S_A3             326      5.5        0          TABULAR    WetlandA3                  0        0
S_A4             318      5.5        0          TABULAR    WetlandA4                  0        0
S_B1             324      3          0          TABULAR    WetlandB1                  0        0
S_B2             322      3          0          TABULAR    WetlandB2                  0        0
S_C1             319      3          0          TABULAR    WetlandC1                  0        0
S_D1             324.5    3          0          TABULAR    WetlandD1                  0        0
S_D2             321      3          0          TABULAR    WetlandD2                  0        0
S_D3             321.5    3          0          TABULAR    WetlandD3                  0        0
S_D4             318      3          0          TABULAR    WetlandD4                  0        0
S_E1             314      3          0          TABULAR    WetlandE1                  0        0
S_E2             313.9    3          0          TABULAR    WetlandE2                  0        0

[CONDUITS]
;;               Inlet            Outlet                      Manning    Inlet      Outlet     Init.      Max.
;;Name           Node             Node             Length     N          Offset     Offset     Flow       Flow
;;-------------- ---------------- ---------------- ---------- ---------- ---------- ---------- ---------- ---------
-
1                1                14               360.305    0.013      0          0          0          0
10               24               9                457.949    0.013      0          0          0          0
11               18               42               301.149    0.013      0          0          0          0
12               S_B2             22               131.83     0.013      0          0          0          0
13               19               S_B1             124.967    0.013      0          0          0          0
14               19               18               146.578    0.013      0          0          0          0
15               22               25               93.126     0.013      0          0          0          0
16               2                8                631.141    0.013      324        320.964    0          0
17               25               24               181.69     0.013      0          0          0          0
18               9                7                420.604    0.013      0          0          0          0
19               11               12               195.669    0.013      0          0          0          0
2                S_A1             3                43.668     0.013      0          0          0          0
20               12               13               179.641    0.013      0          0          0          0
21               13               53               212.047    0.013      0          0          0          0
22               S_E1             15               69.292     0.013      0          0          0          0
23               15               54               67.515     0.013      0          0          0          0
24               S_E2             17               107.785    0.013      0          0          0          0
25               26               27               458.274    0.013      0          0          0          0
26               39               21               482.961    0.013      0          0          0          0
27               27               48               289.263    0.013      0          0          0          0
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28	S_D1	29	122.671	0.013	0	0	0	0
29	30	31	89.546	0.013	0	0	0	0
3	3	20	432.496	0.013	0	0	0	0
30	31	32	191.886	0.013	0	0	0	0
31	32	50	225.886	0.013	0	0	0	0
32	S_D4	34	122.316	0.013	0	0	0	0
33	34	35	72.595	0.013	0	0	0	0
34	35	36	438.635	0.013	0	0	0	0
35	36	13	141.013	0.013	0	0	0	0
36	14	S_A1	34.424	0.013	0	331	0	0
37	S_D3	39	91.663	0.013	0	0	0	0
38	29	21	402.301	0.013	0	0	0	0
39	21	S_D2	78.042	0.013	0	0	0	0
4	S_A2	5	94.929	0.013	0	0	0	0
40	S_D2	30	55.409	0.013	0	0	0	0
41	17	56	1006.975	0.013	0	0	0	0
43	4	37	223.1	0.013	325	324.1	0	0
44	7	S_A4	45.027	0.013	0	317	0	0
45	7	A4_OVERFLOW	60.823	0.013	318.7	0	0	0
46	14	A1_OVERFLOW	16.01	0.013	331.7	0	0	0
47	S_A4	11	355.016	0.013	317	316.607	0	0
48	20	S_A2	28.029	0.013	330.1	330	0	0
49	20	A2_OVERFLOW	32.856	0.013	330.7	330	0	0
5	5	6	219.322	0.013	0	0	0	0
50	28	S_A3	102.047	0.013	326.1	326	0	0
51	28	A3_OVERFLOW	83.104	0.013	326.7	0	0	0
52	37	S_B1	30.885	0.013	324.1	324	0	0
53	37	B1_OVERFLOW	20.838	0.013	324.7	324	0	0
54	40	S_C1	40.45	0.013	319.1	319	0	0
55	40	C1_OVERFLOW	45.312	0.013	319.7	319	0	0
56	42	B2_OVERFLOW	25.741	0.013	322.7	322	0	0
57	42	S_B2	24.015	0.013	322.1	322	0	0
58	49	S_D3	59.379	0.013	321.6	321.5	0	0
59	49	D3_OVERFLOW	57.755	0.013	322.2	321.5	0	0
6	6	28	710.032	0.013	0	0	0	0
60	48	S_D1	64.088	0.013	324.6	324.5	0	0
61	48	D1_OVERFLOW	92.338	0.013	325.2	324.5	0	0
62	21	D2_OVERFLOW	83.528	0.013	321.7	321	0	0
63	50	S_D4	36.294	0.013	318.1	318	0	0
64	50	D4_OVERFLOW	20.059	0.013	318.7	318	0	0
65	54	S_E2	8.253	0.013	313.925	313.9	0	0

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66                54                E2_OVERFLOW       17.303     0.013      314.525    313.9      0          0
67                53                E1_OVERFLOW       16.462     0.013      314.7      314        0          0
68                53                S_E1              9.722      0.013      314.1      314        0          0
7                 S_A3              8                 610.067    0.013      0          0          0          0
70                56                HanlonCreek       345.809    0.013      301.1      301        0          0
8                 8                 9                 403.532    0.013      0          0          0          0
9                 S_C1              7                 306.084    0.013      0          0          0          0
;NA
PWOPRSES0001498   PWOPRMHS0001398   PWOPRMHS0001399   33         0.013      317.27     317.16     0          0
;NA
PWOPRSES0001507   PWOPRMHS0001408   PWOPRMHS0001404   46.5       0.013      320.83     320.66     0          0
;NA
PWOPRSES0001510   PWOPRMHS0001467   PWOPRMHS0001404   64         0.013      320.92     320.58     0          0
;NA
PWOPRSES0001511   PWOPRMHS0001423   PWOPRMHS0001422   25.1       0.013      320.43     320.3      0          0
;NA
PWOPRSES0001512   PWOPRMHS0001430   PWOPRMHS0001423   31.8       0.013      321.23     320.64     0          0
;NA
PWOPRSES0001515   PWOPRMHS0001428   PWOPRMHS0001429   57.9       0.013      323.21     321.45     0          0
;NA
PWOPRSES0001516   PWOPRMHS0001429   PWOPRMHS0001421   22.8       0.013      321.35     321.02     0          0
;NA
PWOPRSES0001518   PWOPRMHS0001431   PWOPRMHS0001372   63.5       0.013      323.01     320.26     0          0
;NA
PWOPRSES0001519   PWOPRMHS0001393   PWOPRMHS0001415   139.1      0.013      320.19     319.77     0          0
;NA
PWOPRSES0001520   PWOPRMHS0001394   PWOPRMHS0001402   74.3       0.013      316.86     316.6      0          0
;NA
PWOPRSES0001521   PWOPRMHS0001391   PWOPRMHS0001394   83.9       0.013      317.27     316.96     0          0
;NA
PWOPRSES0001522   PWOPRMHS0001390   PWOPRMHS0001391   38.1       0.013      317.49     317.41     0          0
;NA
PWOPRSES0001524   PWOPRMHS0001392   PWOPRMHS0001391   54.7       0.013      318.18     317.41     0          0
;NA
PWOPRSES0001525   PWOPRMHS0001422   PWOPRMHS0001373   64.5       0.013      320.28     320.06     0          0
;NA
PWOPRSES0001530   PWOPRMHS0001404   PWOPRMHS0001393   106.8      0.013      320.54     320.21     0          0
;NA
PWOPRSES0001534   PWOPRMHS0001388   PWOPRMHS0001387   54.9       0.013      318.93     318.79     0          0
;NA
PWOPRSES0001535   PWOPRMHS0001389   PWOPRMHS0001388   54.9       0.013      319.13     318.93     0          0
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;NA
PWOPRSES0001536  PWOPRMHS0001369  PWOPRMHS0001389  63.9       0.013      319.39     319.19     0          0
;NA
PWOPRSES0001537  PWOPRMHS0001415  PWOPRMHS0001369  76.2       0.013      319.68     319.44     0          0
;NA
PWOPRSES0001538  PWOPRMHS0001373  PWOPRMHS0001415  13.3       0.013      320.02     319.68     0          0
;NA
PWOPRSES0001541  PWOPRMHS0001399  PWOPRMHS0001400  34.7       0.013      317.15     316.99     0          0
;NA
PWOPRSES0001542  PWOPRMHS0001400  PWOPRMHS0001401  58.2       0.013      316.99     316.69     0          0
;NA
PWOPRSES0001543  PWOPRMHS0001401  13               169.918    0.013      316.67     314.5      0          0
;NA
PWOPRSES0001544  PWOPRMHS0001402  36               219.005    0.013      316.5      315.5      0          0
;NA
PWOPRSES0001545  PWOPRMHS0001395  PWOPRMHS0001402  49         0.013      316.79     316.62     0          0
;NA
PWOPRSES0001546  PWOPRMHS0001916  PWOPRMHS0001855  20.24      0.013      327.59     326.87     0          0
;NA
PWOPRSES0001547  PWOPRMHS0001856  PWOPRMHS0001916  16.46      0.013      327.73     327.6      0          0
;NA
PWOPRSES0001548  PWOPRMHS0001804  PWOPRMHS0001855  104.4      0.013      331.98     326.78     0          0
;NA
PWOPRSES0001551  PWOPRMHS0001915  PWOPRMHS0001856  68.43      0.013      329.19     327.81     0          0
;NA
PWOPRSES0001555  PWOPRMHS0001855  PWOPRMHS0001857  76.66      0.013      326.21     322.57     0          0
;NA
PWOPRSES0001556  PWOPRMHS0001857  PWOPRMHS0001437  62.61      0.013      322.43     319.38     0          0
;NA
PWOPRSES0001557  PWOPRMHS0001433  PWOPRMHS0001418  11.89      0.01       319.78     319.3      0          0
;NA
PWOPRSES0001558  PWOPRMHS0001416  PWOPRMHS0001418  80.71      0.01       318.99     318.745    0          0
;NA
PWOPRSES0001559  PWOPRMHS0001403  MHSWM4           83.375     0.01       321.7      319.25     0          0
;NA
PWOPRSES0001564  PWOPRMHS0001437  PWOPRMHS0001436  15.24      0.01       319.38     319.02     0          0
;NA
PWOPRSES0001565  PWOPRMHS0001436  PWOPRMHS0001438  62.18      0.013      318.35     318.2      0          0
;NA
PWOPRSES0001566  PWOPRMHS0001418  PWOPRMHS0001436  104.55     0.013      318.73     318.41     0          0
;NA
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PWOPRSES0001567  PWOPRMHS0001435  PWOPRMHS0001438  19.81      0.013      319.64     319.43     0          0
;NA
PWOPRSES0001571  PWOPRMHS0001796  PWOPRMHS0001797  35.4       0.013      326.65     326.42     0          0
;NA
PWOPRSES0001572  PWOPRMHS0001788  PWOPRMHS0001403  58.83      0.013      322.94     321.7      0          0
;NA
PWOPRSES0001575  PWOPRMHS0001386  S_D4             174.444    0.013      318.61     318        0          0
;NA
PWOPRSES0001576  MHEasement2      PWOPRMHS0001386  27.2       0.013      318.7      318.61     0          0
;NA
PWOPRSES0001577  PWOPRMHS0001387  PWOPRMHS0001386  30.8       0.013      318.75     318.61     0          0
;NA
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;NA
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;NA
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;NA
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;NA
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;NA
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;NA
PWOPRSES0001587  PWOPRMHS0001370  MHEasement1      21.3       0.013      319.27     319.07     0          0
;NA
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;NA
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;NA
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;NA
PWOPRSES0001656  PWOPRMHS0001836  PWOPRMHS0001788  152.1      0.013      324.56     323.43     0          0
;NA
PWOPRSES0001658  PWOPRMHS0001410  PWOPRMHS0001634  81.69      0.013      326.47     326.21     0          0
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;NA
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;NA
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;NA
PWOPRSES0001667  MHSWM4           PWOPRMHS0001416  26.6       0.013      319.25     319.01     0          0
;NA
PWOPRSES0001679  PWOPRMHS0001409  PWOPRMHS0001410  54.56      0.013      327.81     327.07     0          0
;NA
PWOPRSES0001680  PWOPRMHS0001411  PWOPRMHS0001410  15.24      0.013      327.47     327        0          0
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PWOPRSES0001681  PWOPRMHS0001412  PWOPRMHS0001411  74.68      0.013      331.69     327.81     0          0
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;NA
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PWOPRSES0001711  PWOPRMHS0001706  PWOPRMHS0001677  81.3       0.013      327.14     326.76     0          0
PWOPRSES0001712  PWOPRMHS0001678  PWOPRMHS0001677  8.3        0.013      327.01     326.78     0          0
PWOPRSES0001713  PWOPRMHS0001677  PWOPRMHS0001676  42.6       0.013      326.59     326.4      0          0
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PWOPRSES0001721  PWOPRMHS0001697  PWOPRMHS0001736  96.7       0.013      323.91     323.52     0          0
PWOPRSES0001724  PWOPRMHS0001689  PWOPRMHS0001687  74.5       0.013      326.61     326.4      0          0
PWOPRSES0001725  PWOPRMHS0001687  PWOPRMHS0001688  41         0.013      326.4      326.2      0          0
PWOPRSES0001728  PWOPRMHS0001688  PWOPRMHS0001674  17.1       0.013      326.1      326.01     0          0
PWOPRSES0001730  PWOPRMHS0001674  PWOPRMHS0001713  86.1       0.013      325.88     325.51     0          0
PWOPRSES0001732  PWOPRMHS0001705  PWOPRMHS0001688  74         0.013      328.53     327.53     0          0
PWOPRSES0001733  PWOPRMHS0001676  PWOPRMHS0001674  15.4       0.013      326.33     326.32     0          0
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PWOPRSES0001744  PWOPRMHS0001746  PWOPRMHS0001744  32.5       0.013      327.93     327.78     0          0
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PWOPRSES0001747  PWOPRMHS0002046  PWOPRMHS0001682  55.95      0.013      330.72     328.73     0          0
PWOPRSES0001748  PWOPRMHS0001682  PWOPRMHS0001689  94         0.013      328.1      326.73     0          0
PWOPRSES0001750  PWOPRMHS0001690  PWOPRMHS0001689  16.1       0.013      326.74     326.63     0          0
PWOPRSES0001753  PWOPRMHS0001691  PWOPRMHS0001690  42.5       0.01       326.982    326.74     0          0
PWOPRSES0001754  PWOPRMHS0001741  PWOPRMHS0002051  84.5       0.013      329.48     328.91     0          0
PWOPRSES0001755  PWOPRMHS0001745  PWOPRMHS0001746  32.1       0.013      328.06     327.95     0          0
PWOPRSES0001756  PWOPRMHS0001744  PWOPRMHS0001692  13.5       0.013      327.73     327.68     0          0
PWOPRSES0001757  PWOPRMHS0002051  PWOPRMHS0001745  32.8       0.013      328.27     328.14     0          0
PWOPRSES0001758  PWOPRMHS0001874  PWOPRMHS0001732  85.2       0.013      329.87     329.28     0          0
PWOPRSES0001759  PWOPRMHS0001692  PWOPRMHS0001743  70.9       0.01       327.57     327.315    0          0
PWOPRSES0001760  PWOPRMHS0001743  PWOPRMHS0001691  18.8       0.013      327.29     327.19     0          0
PWOPRSES0001761  PWOPRMHS0001919  PWOPRMHS0001691  18.5       0.013      327.8      327.71     0          0
PWOPRSES0001765A PWOPRMHS0001740  MHSchool         46.6       0.013      328.72     328.55     0          0
PWOPRSES0001765B MHSchool         PWOPRMHS0002051  24.3       0.013      328.55     328.46     0          0
PWOPRSES0001766  PWOPRMHS0002041  MHSchool         16.96      0.013      329.07     328.87     0          0
PWOPRSES0001768  PWOPRMHS0002050  PWOPRMHS0002051  17.64      0.013      328.97     328.76     0          0
PWOPRSES0001770  PWOPRMHS0001679  PWOPRMHS0001680  13.11      0.013      335.89     335.79     0          0
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PWOPRSES0001798  PWOPRMHS0001670  22               88.074     0.01       322.92     322        0          0
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;NA
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PWOPRSES0003435  PWOPRMHS0003137  PWOPRMHS0003136  23.4       0.013      329.5      328.99     0          0
PWOPRSES0003436  PWOPRMHS0003136  PWOPRMHS0001686  50.2       0.013      328.89     328.62     0          0
PWOPRSES0003439  PWOPRMHS0003140  PWOPRMHS0001678  48.8       0.013      327.35     327.07     0          0
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PWOPRSES0003449  PWOPRMHS0003149  PWOPRMHS0003137  58.3       0.013      330.86     329.6      0          0
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;NA
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PWOPRSES0005710  PWOPRMHS0001713  37               161.268    0.01       325.51     324.1      0          0
;NA
PWOPRSES0005734  PWOPRMHS0005178  PWOPRMHS0004142  92.8       0.013      328.64     327.07     0          0
;NA
PWOPRSES0005735  PWOPRMHS0005181  PWOPRMHS0005179  96         0.013      326.66     326.24     0          0
;NA
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PWOPRSES0005736  PWOPRMHS0005183  PWOPRMHS0005181  91         0.013      327.74     326.79     0          0
;NA
PWOPRSES0005739  PWOPRMHS0005188  PWOPRMHS0005183  99         0.01       329.94     327.74     0          0
;NA
PWOPRSES0005744  PWOPRMHS0005196  PWOPRMHS0005183  17         0.013      328.21     327.74     0          0
;NA
PWOPRSES0005766  PWOPRMHS0005179  PWOPRMHS0005223  55         0.013      326.2      325.88     0          0
;NA
PWOPRSES0005767  PWOPRMHS0005223  PWOPRMHS0005226  71.8       0.013      325.84     325.48     0          0
;NA
PWOPRSES0005768  PWOPRMHS0005226  PWOPRMHS0005230  74.2       0.013      325.46     325.04     0          0
;NA
PWOPRSES0005769  PWOPRMHS0005230  24               335.253    0.01       324.55     320.5      0          0
;NA
PWOPRSES0005770  PWOPRMHS0005231  PWOPRMHS0005229  71.1       0.013      325.24     324.74     0          0
;NA
PWOPRSES0005771  PWOPRMHS0005229  PWOPRMHS0005230  8.6        0.01       324.74     324.59     0          0
;NA
PWOPRSES0006537  PWOPRMHS0005944  PWOPRMHS0005945  34.65      0.013      318.32     318.22     0          0
;NA
PWOPRSES0006538  PWOPRMHS0005906  PWOPRMHS0001388  81.91      0.013      319.63     319.19     0          0
;NA
PWOPRSES0006542  PWOPRMHS0005908  PWOPRMHS0005909  41.76      0.013      318.92     318.72     0          0
;NA
PWOPRSES0006547  PWOPRMHS0005911  PWOPRMHS0005910  51.83      0.013      319.29     319.05     0          0
;NA
PWOPRSES0006548  PWOPRMHS0005910  PWOPRMHS0005909  55.9       0.013      318.95     318.66     0          0
;NA
PWOPRSES0006549  PWOPRMHS0005909  PWOPRMHS0005926  56.32      0.013      318.44     318.1      0          0
;NA
PWOPRSES0006550  PWOPRMHS0005926  PWOPRMHS0005927  29.23      0.013      318.05     317.93     0          0
;NA
PWOPRSES0006551  PWOPRMHS0005924  PWOPRMHS0005927  90.05      0.013      318.6      318        0          0
;NA
PWOPRSES0006552  PWOPRMHS0005927  PWOPRMHS0005930  107.56     0.013      317.76     317.27     0          0
;NA
PWOPRSES0006553  PWOPRMHS0005930  36               354.591    0.013      317.25     315.5      0          0
;NA
PWOPRSES0006554  PWOPRMHS0005931  PWOPRMHS0005930  17.01      0.013      317.7      317.41     0          0
;NA
PWOPRSES0006555  PWOPRMHS0005932  PWOPRMHS0005930  58.07      0.013      317.88     317.37     0          0
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;NA
PWOPRSES0006576  PWOPRMHS0005946  PWOPRMHS0005945  32.9       0.013      318.5      318.31     0          0
;NA
PWOPRSES0006577  PWOPRMHS0005945  PWOPRMHS0005931  82         0.013      318.22     317.74     0          0
;NA
STMEasement      MHEasement1      MHEasement2      72.3       0.013      319.07     318.7      0          0
SWMPOND_OUT      SWMPOND          24               215.307    0.013      322        320.5      0          0

[XSECTIONS]
;;Link           Shape        Geom1            Geom2      Geom3      Geom4      Barrels
;;-------------- ------------ ---------------- ---------- ---------- ---------- ----------
1                TRAPEZOIDAL  3                2          1          1          1
10               TRAPEZOIDAL  3                2          1          1          1
11               TRAPEZOIDAL  3                2          1          1          1
12               RECT_CLOSED  2                2          0          0          1
13               TRAPEZOIDAL  3                2          1          1          1
14               TRAPEZOIDAL  3                2          1          1          1
15               TRAPEZOIDAL  3                2          1          1          1
16               TRAPEZOIDAL  3                2          1          1          1
17               TRAPEZOIDAL  3                2          1          1          1
18               TRAPEZOIDAL  3                2          1          1          1
19               TRAPEZOIDAL  3                2          1          1          1
2                TRAPEZOIDAL  3                2          1          1          1
20               TRAPEZOIDAL  3                2          1          1          1
21               TRAPEZOIDAL  3                3          1          1          1
22               TRAPEZOIDAL  3                2          1          1          1
23               TRAPEZOIDAL  3                2          1          1          1
24               TRAPEZOIDAL  3                2          1          1          1
25               TRAPEZOIDAL  3                2          1          1          1
26               TRAPEZOIDAL  3                2          1          1          1
27               TRAPEZOIDAL  3                2          1          1          1
28               TRAPEZOIDAL  3                2          1          1          1
29               TRAPEZOIDAL  3                2          1          1          1
3                TRAPEZOIDAL  3                2          1          1          1
30               TRAPEZOIDAL  3                2          1          1          1
31               TRAPEZOIDAL  3                2          1          1          1
32               TRAPEZOIDAL  3                2          1          1          1
33               TRAPEZOIDAL  3                2          1          1          1
34               TRAPEZOIDAL  3                2          1          1          1
35               TRAPEZOIDAL  3                2          1          1          1
36               TRAPEZOIDAL  3                2          1          1          1
```

37	TRAPEZOIDAL	3	2	1	1	1
38	TRAPEZOIDAL	3	2	1	1	1
39	TRAPEZOIDAL	3	2	1	1	1
4	TRAPEZOIDAL	3	2	1	1	1
40	TRAPEZOIDAL	3	2	1	1	1
41	TRAPEZOIDAL	3	2	1	1	1
43	TRAPEZOIDAL	3	2	1	1	1
44	TRAPEZOIDAL	3	2	1	1	1
45	RECT_OPEN	2	15	1	0	1
46	RECT_OPEN	2	15	1	0	1
47	TRAPEZOIDAL	3	2	1	1	1
48	TRAPEZOIDAL	3	2	1	1	1
49	RECT_OPEN	2	15	1	0	1
5	TRAPEZOIDAL	3	2	1	1	1
50	TRAPEZOIDAL	3	2	1	1	1
51	RECT_OPEN	2	15	1	0	1
52	TRAPEZOIDAL	3	2	1	1	1
53	RECT_OPEN	2	15	1	0	1
54	TRAPEZOIDAL	3	2	1	1	1
55	RECT_OPEN	2	15	1	0	1
56	RECT_OPEN	2	15	1	0	1
57	TRAPEZOIDAL	3	2	1	1	1
58	TRAPEZOIDAL	3	2	1	1	1
59	RECT_OPEN	2	15	1	0	1
6	TRAPEZOIDAL	3	2	1	1	1
60	TRAPEZOIDAL	3	2	1	1	1
61	RECT_OPEN	2	15	1	0	1
62	RECT_OPEN	2	15	1	0	1
63	TRAPEZOIDAL	3	2	1	1	1
64	RECT_OPEN	2	15	1	0	1
65	TRAPEZOIDAL	3	2	1	1	1
66	RECT_OPEN	2	15	1	0	1
67	RECT_OPEN	2	15	1	0	1
68	TRAPEZOIDAL	3	2	1	1	1
7	TRAPEZOIDAL	3	2	1	1	1
70	TRAPEZOIDAL	3	2	1	1	1
8	TRAPEZOIDAL	4	2	1	1	1
9	TRAPEZOIDAL	3	2	1	1	1
PWOPRSES0001498	CIRCULAR	2	0	0	0	1
PWOPRSES0001507	CIRCULAR	2	0	0	0	1
PWOPRSES0001510	CIRCULAR	2	0	0	0	1

PWOPRSES0001511	CIRCULAR	2	0	0	0	1
PWOPRSES0001512	CIRCULAR	2	0	0	0	1
PWOPRSES0001515	CIRCULAR	2	0	0	0	1
PWOPRSES0001516	CIRCULAR	2	0	0	0	1
PWOPRSES0001518	CIRCULAR	2	0	0	0	1
PWOPRSES0001519	HORIZ_ELLIPSE	2	1.15	0	0	1
PWOPRSES0001520	CIRCULAR	2	0	0	0	1
PWOPRSES0001521	CIRCULAR	2	0	0	0	1
PWOPRSES0001522	CIRCULAR	2	0	0	0	1
PWOPRSES0001524	CIRCULAR	2	0	0	0	1
PWOPRSES0001525	CIRCULAR	2	0	0	0	1
PWOPRSES0001530	HORIZ_ELLIPSE	2	1.15	0	0	1
PWOPRSES0001534	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001535	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001536	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001537	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001538	CIRCULAR	2	0	0	0	1
PWOPRSES0001541	CIRCULAR	2	0	0	0	1
PWOPRSES0001542	CIRCULAR	2	0	0	0	1
PWOPRSES0001543	CIRCULAR	3	0	0	0	1
PWOPRSES0001544	CIRCULAR	3	0	0	0	1
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PWOPRSES0001558	CIRCULAR	2.5	0	0	0	1
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PWOPRSES0001564	CIRCULAR	2	0	0	0	1
PWOPRSES0001565	CIRCULAR	2.5	0	0	0	1
PWOPRSES0001566	CIRCULAR	2.5	0	0	0	1
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PWOPRSES0001575	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001576	CIRCULAR	2	0	0	0	1
PWOPRSES0001577	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001579	CIRCULAR	2	0	0	0	1

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PWOPRSES0001583	CIRCULAR	2	0	0	0	1
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PWOPRSES0001720	CIRCULAR	2	0	0	0	1
PWOPRSES0001721	CIRCULAR	2	0	0	0	1
PWOPRSES0001724	HORIZ_ELLIPSE	2	1.73	0	0	1
PWOPRSES0001725	HORIZ_ELLIPSE	2	1.73	0	0	1
PWOPRSES0001728	HORIZ_ELLIPSE	2	1.73	0	0	1
PWOPRSES0001730	HORIZ_ELLIPSE	2	1.92	0	0	1
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PWOPRSES0001733	CIRCULAR	2	0	0	0	1
PWOPRSES0001744	CIRCULAR	2	0	0	0	1
PWOPRSES0001745	CIRCULAR	2	0	0	0	1

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PWOPRSES0001748	CIRCULAR	2	0	0	0	1
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PWOPRSES0001765B	CIRCULAR	2	0	0	0	1
PWOPRSES0001766	CIRCULAR	2	0	0	0	1
PWOPRSES0001768	CIRCULAR	2	0	0	0	1
PWOPRSES0001770	CIRCULAR	2	0	0	0	1
PWOPRSES0001771	CIRCULAR	2	0	0	0	1
PWOPRSES0001774	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001775	HORIZ_ELLIPSE	3	1.345	0	0	1
PWOPRSES0001776	CIRCULAR	2	0	0	0	1
PWOPRSES0001777	CIRCULAR	2	0	0	0	1
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PWOPRSES0001797	CIRCULAR	2	0	0	0	1
PWOPRSES0001798	CIRCULAR	3	0	0	0	1
PWOPRSES0001803	CIRCULAR	2	0	0	0	1
PWOPRSES0001806	CIRCULAR	2	0	0	0	1
PWOPRSES0001807	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001808	CIRCULAR	2	0	0	0	1
PWOPRSES0001809	CIRCULAR	2	0	0	0	1
PWOPRSES0001810	CIRCULAR	2	0	0	0	1

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PWOPRSES0001827	CIRCULAR	2	0	0	0	1
PWOPRSES0001828	CIRCULAR	2	0	0	0	1
PWOPRSES0001829	HORIZ_ELLIPSE	3	1.52	0	0	1
PWOPRSES0001840	CIRCULAR	2	0	0	0	1
PWOPRSES0001841	CIRCULAR	2	0	0	0	1
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PWOPRSES0001862	CIRCULAR	2	0	0	0	1
PWOPRSES0001865	CIRCULAR	2	0	0	0	1
PWOPRSES0001866	CIRCULAR	2	0	0	0	1
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PWOPRSES0001895	CIRCULAR	2	0	0	0	1
PWOPRSES0001896	CIRCULAR	2	0	0	0	1
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PWOPRSES0001943	CIRCULAR	2	0	0	0	1

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PWOPRSES0001978	CIRCULAR	3	0	0	0	1
PWOPRSES0001979	CIRCULAR	2	0	0	0	1
PWOPRSES0001984	CIRCULAR	2.5	0	0	0	1
PWOPRSES0002119	CIRCULAR	2	0	0	0	1
PWOPRSES0002120	CIRCULAR	2	0	0	0	1
PWOPRSES0002121	CIRCULAR	2	0	0	0	1
PWOPRSES0002122	CIRCULAR	2	0	0	0	1
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PWOPRSES0003446	CIRCULAR	2	0	0	0	1
PWOPRSES0003447	CIRCULAR	2	0	0	0	1
PWOPRSES0003448	CIRCULAR	2	0	0	0	1
PWOPRSES0003449	CIRCULAR	2	0	0	0	1
PWOPRSES0003457	CIRCULAR	2	0	0	0	1
PWOPRSES0003465	CIRCULAR	2	0	0	0	1
PWOPRSES0003466	CIRCULAR	2	0	0	0	1
PWOPRSES0004584	CIRCULAR	2	0	0	0	1
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PWOPRSES0004588	CIRCULAR	2	0	0	0	1
PWOPRSES0004589	CIRCULAR	2	0	0	0	1
PWOPRSES0004590	CIRCULAR	2	0	0	0	1
PWOPRSES0004591	HORIZ_ELLIPSE	2	1.535	0	0	1
PWOPRSES0004592	HORIZ_ELLIPSE	2	1.535	0	0	1
PWOPRSES0004593	CIRCULAR	2	0	0	0	1
PWOPRSES0004594	HORIZ_ELLIPSE	2	1.535	0	0	1
PWOPRSES0004597	CIRCULAR	2	0	0	0	1
PWOPRSES0004603	CIRCULAR	2	0	0	0	1

PWOPRSES0004637	CIRCULAR	2	0	0	0	1
PWOPRSES0005529	CIRCULAR	2	0	0	0	1
PWOPRSES0005530	CIRCULAR	2	0	0	0	1
PWOPRSES0005531	CIRCULAR	2	0	0	0	1
PWOPRSES0005532	CIRCULAR	2	0	0	0	1
PWOPRSES0005534	CIRCULAR	2	0	0	0	1
PWOPRSES0005535	CIRCULAR	2	0	0	0	1
PWOPRSES0005536	CIRCULAR	2	0	0	0	1
PWOPRSES0005537	CIRCULAR	2	0	0	0	1
PWOPRSES0005539	CIRCULAR	2	0	0	0	1
PWOPRSES0005540	CIRCULAR	2	0	0	0	1
PWOPRSES0005541	CIRCULAR	2	0	0	0	1
PWOPRSES0005710	HORIZ_ELLIPSE	3	1.92	0	0	1
PWOPRSES0005734	CIRCULAR	2	0	0	0	1
PWOPRSES0005735	CIRCULAR	2	0	0	0	1
PWOPRSES0005736	CIRCULAR	2	0	0	0	1
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PWOPRSES0005767	CIRCULAR	2	0	0	0	1
PWOPRSES0005768	CIRCULAR	2	0	0	0	1
PWOPRSES0005769	CIRCULAR	3	0	0	0	1
PWOPRSES0005770	CIRCULAR	2	0	0	0	1
PWOPRSES0005771	CIRCULAR	2	0	0	0	1
PWOPRSES0006537	CIRCULAR	2	0	0	0	1
PWOPRSES0006538	CIRCULAR	2	0	0	0	1
PWOPRSES0006542	CIRCULAR	2	0	0	0	1
PWOPRSES0006547	CIRCULAR	2	0	0	0	1
PWOPRSES0006548	CIRCULAR	2	0	0	0	1
PWOPRSES0006549	CIRCULAR	2	0	0	0	1
PWOPRSES0006550	CIRCULAR	2	0	0	0	1
PWOPRSES0006551	CIRCULAR	2	0	0	0	1
PWOPRSES0006552	CIRCULAR	2	0	0	0	1
PWOPRSES0006553	CIRCULAR	3	0	0	0	1
PWOPRSES0006554	CIRCULAR	2	0	0	0	1
PWOPRSES0006555	CIRCULAR	2	0	0	0	1
PWOPRSES0006576	CIRCULAR	2	0	0	0	1
PWOPRSES0006577	CIRCULAR	2	0	0	0	1
STMEasement	CIRCULAR	2	0	0	0	1
SWMPOND_OUT	CIRCULAR	3	0	0	0	1

```
[TRANSECTS]
;;Transect Data in HEC-2 format
;
;Full street, width = 8m, curb = 0.15m , cross-slope = 0.02m/m, bank-slope = 0.02m/m, bank-height = 0.3m.
NC 0.03     0.03     0.013
X1 2LaneRd           7        7.5      15.5     0.0      0.0      0.0      0.0      0.0
GR 0.3      0        0.15     7.5      0        7.5      0.08     11.5     0        15.5
GR 0.15     15.5     0.3      23
;
;Full street, width = 16m, curb = 0.15m , cross-slope = 0.02m/m, bank-slope = 0.02m/m, bank-height = 0.30m.
NC 0.03     0.03     0.013
X1 4LaneRd           7        7.5      23.5     0.0      0.0      0.0      0.0      0.0
GR 0.3      0        0.15     7.5      0        7.5      0.16     15.5     0        23.5
GR 0.15     23.5     0.3      31

[LOSSES]
;;Link           Inlet      Outlet     Average    Flap Gate  SeepageRate
;;-------------- ---------- ---------- ---------- ---------- ----------
PWOPRSES0001498  0          0.15       0          NO         0
PWOPRSES0001507  0          0.15       0          NO         0
PWOPRSES0001510  0          1          0          NO         0
PWOPRSES0001511  0          0.15       0          NO         0
PWOPRSES0001512  0          0.15       0          NO         0
PWOPRSES0001515  0          0.15       0          NO         0
PWOPRSES0001516  0          0.15       0          NO         0
PWOPRSES0001518  0          0.15       0          NO         0
PWOPRSES0001519  0          0.15       0          NO         0
PWOPRSES0001520  0          1          0          NO         0
PWOPRSES0001521  0          0.15       0          NO         0
PWOPRSES0001522  0          0.15       0          NO         0
PWOPRSES0001524  0          1          0          NO         0
PWOPRSES0001525  0          0.15       0          NO         0
PWOPRSES0001530  0          0.15       0          NO         0
PWOPRSES0001534  0          0.15       0          NO         0
PWOPRSES0001535  0          0.15       0          NO         0
PWOPRSES0001536  0          0.15       0          NO         0
PWOPRSES0001537  0          0.15       0          NO         0
PWOPRSES0001538  0          1          0          NO         0
PWOPRSES0001541  0          0.15       0          NO         0
PWOPRSES0001542  0          1          0          NO         0
PWOPRSES0001543  0          0.15       0          NO         0
```

PWOPRSES0001544	0	0.15	0	NO	0
PWOPRSES0001545	0	0.15	0	NO	0
PWOPRSES0001546	0	0.75	0	NO	0
PWOPRSES0001547	0	0.75	0	NO	0
PWOPRSES0001548	0	0.15	0	NO	0
PWOPRSES0001551	0	0.75	0	NO	0
PWOPRSES0001555	0	0.15	0	NO	0
PWOPRSES0001556	0	0.75	0	NO	0
PWOPRSES0001557	0	1	0	NO	0
PWOPRSES0001558	0	0.75	0	NO	0
PWOPRSES0001559	0	0.15	0	NO	0
PWOPRSES0001564	0	1	0	NO	0
PWOPRSES0001565	0	0.75	0	NO	0
PWOPRSES0001566	0	0.75	0	NO	0
PWOPRSES0001572	0	0.75	0	NO	0
PWOPRSES0001575	0	0.15	0	NO	0
PWOPRSES0001576	0	0.15	0	NO	0
PWOPRSES0001577	0	1	0	NO	0
PWOPRSES0001579	0	0.15	0	NO	0
PWOPRSES0001580	0	0.15	0	NO	0
PWOPRSES0001581	0	0.15	0	NO	0
PWOPRSES0001582	0	0.15	0	NO	0
PWOPRSES0001583	0	0.15	0	NO	0
PWOPRSES0001584	0	1	0	NO	0
PWOPRSES0001585	0	1	0	NO	0
PWOPRSES0001586	0	1	0	NO	0
PWOPRSES0001587	0	0.15	0	NO	0
PWOPRSES0001633	0	1	0	NO	0
PWOPRSES0001634	0	1	0	NO	0
PWOPRSES0001654	0	0.75	0	NO	0
PWOPRSES0001655	0	1	0	NO	0
PWOPRSES0001656	0	0.15	0	NO	0
PWOPRSES0001658	0	0.85	0	NO	0
PWOPRSES0001660	0	1	0	NO	0
PWOPRSES0001662	0	0.75	0	NO	0
PWOPRSES0001679	0	1	0	NO	0
PWOPRSES0001680	0	1	0	NO	0
PWOPRSES0001681	0	0.15	0	NO	0
PWOPRSES0001682	0	0.15	0	NO	0
PWOPRSES0001684	0	1	0	NO	0
PWOPRSES0001687	0	0.85	0	NO	0

PWOPRSES0001688	0	0.75	0	NO	0
PWOPRSES0001698	0	0.75	0	NO	0
PWOPRSES0001699	0	0.75	0	NO	0
PWOPRSES0001711	0	0.15	0	NO	0
PWOPRSES0001712	0	0.75	0	NO	0
PWOPRSES0001713	0	0.75	0	NO	0
PWOPRSES0001724	0	0.85	0	NO	0
PWOPRSES0001725	0	0.75	0	NO	0
PWOPRSES0001728	0	0.75	0	NO	0
PWOPRSES0001730	0	0.15	0	NO	0
PWOPRSES0001732	0	0.75	0	NO	0
PWOPRSES0001733	0	0.75	0	NO	0
PWOPRSES0001744	0	0.75	0	NO	0
PWOPRSES0001745	0	0.75	0	NO	0
PWOPRSES0001747	0	0.15	0	NO	0
PWOPRSES0001748	0	0.15	0	NO	0
PWOPRSES0001750	0	0.75	0	NO	0
PWOPRSES0001753	0	0.75	0	NO	0
PWOPRSES0001754	0	1	0	NO	0
PWOPRSES0001755	0	0.45	0	NO	0
PWOPRSES0001756	0	0.75	0	NO	0
PWOPRSES0001757	0	0.45	0	NO	0
PWOPRSES0001758	0	0.15	0	NO	0
PWOPRSES0001759	0	0.75	0	NO	0
PWOPRSES0001760	0	0.75	0	NO	0
PWOPRSES0001761	0	0.75	0	NO	0
PWOPRSES0001765A	0	0.15	0	NO	0
PWOPRSES0001765B	0	0.15	0	NO	0
PWOPRSES0001768	0	0.75	0	NO	0
PWOPRSES0001770	0	0.75	0	NO	0
PWOPRSES0001771	0	0.75	0	NO	0
PWOPRSES0001775	0	0.15	0	NO	0
PWOPRSES0001776	0	0.15	0	NO	0
PWOPRSES0001777	0	0.75	0	NO	0
PWOPRSES0001778	0	0.75	0	NO	0
PWOPRSES0001779	0	0.75	0	NO	0
PWOPRSES0001780	0	0.75	0	NO	0
PWOPRSES0001781	0	0.75	0	NO	0
PWOPRSES0001782	0	0.75	0	NO	0
PWOPRSES0001783	0	0.15	0	NO	0
PWOPRSES0001784	0	0.15	0	NO	0

PWOPRSES0001785	0	1	0	NO	0
PWOPRSES0001786	0	0.15	0	NO	0
PWOPRSES0001797	0	0.75	0	NO	0
PWOPRSES0001798	0	0.15	0	NO	0
PWOPRSES0001803	0	0.15	0	NO	0
PWOPRSES0001806	0	0.15	0	NO	0
PWOPRSES0001807	0	0.15	0	NO	0
PWOPRSES0001808	0	1	0	NO	0
PWOPRSES0001809	0	0.15	0	NO	0
PWOPRSES0001810	0	1	0	NO	0
PWOPRSES0001812	0	1	0	NO	0
PWOPRSES0001819	0	0.15	0	NO	0
PWOPRSES0001821	0	0.15	0	NO	0
PWOPRSES0001822	0	0.85	0	NO	0
PWOPRSES0001823	0	0.75	0	NO	0
PWOPRSES0001824	0	0.75	0	NO	0
PWOPRSES0001825	0	0.15	0	NO	0
PWOPRSES0001826	0	0.75	0	NO	0
PWOPRSES0001827	0	0.15	0	NO	0
PWOPRSES0001828	0	1	0	NO	0
PWOPRSES0001829	0	0.15	0	NO	0
PWOPRSES0001844	0	0.75	0	NO	0
PWOPRSES0001845	0	0.15	0	NO	0
PWOPRSES0001855	0	0.75	0	NO	0
PWOPRSES0001856	0	1	0	NO	0
PWOPRSES0001861	0	0.15	0	NO	0
PWOPRSES0001862	0	0.75	0	NO	0
PWOPRSES0001865	0	0.15	0	NO	0
PWOPRSES0001866	0	1	0	NO	0
PWOPRSES0001868	0	0.75	0	NO	0
PWOPRSES0001890	0	0.15	0	NO	0
PWOPRSES0001891	0	0.75	0	NO	0
PWOPRSES0001892	0	0.75	0	NO	0
PWOPRSES0001895	0	0.75	0	NO	0
PWOPRSES0001896	0	0.15	0	NO	0
PWOPRSES0001897	0	0.85	0	NO	0
PWOPRSES0001899	0	0.75	0	NO	0
PWOPRSES0001900	0	0.15	0	NO	0
PWOPRSES0001904	0	1	0	NO	0
PWOPRSES0001905	0	0.15	0	NO	0
PWOPRSES0001906	0	1	0	NO	0

PWOPRSES0001919	0	0.45	0	NO	0
PWOPRSES0001930	0	1	0	NO	0
PWOPRSES0001931	0	0.15	0	NO	0
PWOPRSES0001932	0	0.15	0	NO	0
PWOPRSES0001941	0	0.15	0	NO	0
PWOPRSES0001942	0	0.15	0	NO	0
PWOPRSES0001943	0	0.15	0	NO	0
PWOPRSES0001944	0	0.15	0	NO	0
PWOPRSES0001951	0	0.15	0	NO	0
PWOPRSES0001952	0	0.15	0	NO	0
PWOPRSES0001960	0	0.15	0	NO	0
PWOPRSES0001961	0	0.15	0	NO	0
PWOPRSES0001962	0	1	0	NO	0
PWOPRSES0001963	0	0.15	0	NO	0
PWOPRSES0001968	0	0.15	0	NO	0
PWOPRSES0001972	0	0.75	0	NO	0
PWOPRSES0001976	0	0.15	0	NO	0
PWOPRSES0001977	0	0.75	0	NO	0
PWOPRSES0001978	0	0.15	0	NO	0
PWOPRSES0001979	0	0.75	0	NO	0
PWOPRSES0001984	0	0.15	0	NO	0
PWOPRSES0002119	0	0.75	0	NO	0
PWOPRSES0002120	0	0.75	0	NO	0
PWOPRSES0002121	0	0.75	0	NO	0
PWOPRSES0002122	0	0.75	0	NO	0
PWOPRSES0003435	0	0.75	0	NO	0
PWOPRSES0003436	0	0.75	0	NO	0
PWOPRSES0003439	0	0.75	0	NO	0
PWOPRSES0003446	0	0.45	0	NO	0
PWOPRSES0003447	0	0.75	0	NO	0
PWOPRSES0003448	0	0.75	0	NO	0
PWOPRSES0003449	0	0.75	0	NO	0
PWOPRSES0003457	0	0.75	0	NO	0
PWOPRSES0003465	0	0.75	0	NO	0
PWOPRSES0003466	0	0.75	0	NO	0
PWOPRSES0004584	0	0.75	0	NO	0
PWOPRSES0004585	0	0.75	0	NO	0
PWOPRSES0004586	0	0.75	0	NO	0
PWOPRSES0004587	0	0.75	0	NO	0
PWOPRSES0004588	0	0.75	0	NO	0
PWOPRSES0004589	0	0.75	0	NO	0

PWOPRSES0004590	0	0.75	0	NO	0
PWOPRSES0004591	0	0.15	0	NO	0
PWOPRSES0004592	0	0.75	0	NO	0
PWOPRSES0004593	0	1	0	NO	0
PWOPRSES0004594	0	0.15	0	NO	0
PWOPRSES0004603	0	0.15	0	NO	0
PWOPRSES0004637	0	0.15	0	NO	0
PWOPRSES0005529	0	1	0	NO	0
PWOPRSES0005530	0	0.85	0	NO	0
PWOPRSES0005531	0	0.45	0	NO	0
PWOPRSES0005532	0	0.15	0	NO	0
PWOPRSES0005534	0	0.75	0	NO	0
PWOPRSES0005535	0	0.75	0	NO	0
PWOPRSES0005536	0	0.45	0	NO	0
PWOPRSES0005537	0	0.15	0	NO	0
PWOPRSES0005539	0	0.85	0	NO	0
PWOPRSES0005540	0	0.75	0	NO	0
PWOPRSES0005541	0	0.45	0	NO	0
PWOPRSES0005710	0	0.15	0	NO	0
PWOPRSES0005734	0	0.75	0	NO	0
PWOPRSES0005735	0	0.85	0	NO	0
PWOPRSES0005736	0	0.45	0	NO	0
PWOPRSES0005739	0	0.15	0	NO	0
PWOPRSES0005744	0	0.75	0	NO	0
PWOPRSES0005766	0	0.45	0	NO	0
PWOPRSES0005767	0	0.15	0	NO	0
PWOPRSES0005768	0	0.15	0	NO	0
PWOPRSES0005769	0	0.15	0	NO	0
PWOPRSES0005770	0	0.15	0	NO	0
PWOPRSES0005771	0	1	0	NO	0
PWOPRSES0006537	0	1	0	NO	0
PWOPRSES0006538	0	1	0	NO	0
PWOPRSES0006542	0	1	0	NO	0
PWOPRSES0006547	0	0.15	0	NO	0
PWOPRSES0006548	0	1	0	NO	0
PWOPRSES0006549	0	0.15	0	NO	0
PWOPRSES0006550	0	0.15	0	NO	0
PWOPRSES0006551	0	1	0	NO	0
PWOPRSES0006552	0	1	0	NO	0
PWOPRSES0006553	0	0.15	0	NO	0
PWOPRSES0006554	0	1	0	NO	0

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PWOPRSES0006555  0          0.15       0          NO         0
PWOPRSES0006576  0          0.15       0          NO         0
PWOPRSES0006577  0          0.15       0          NO         0
STMEasement      0          0.15       0          NO         0

[CURVES]
;;Name           Type       X-Value    Y-Value
;;-------------- ---------- ---------- ----------
10CBs            Rating     0          0
10CBs                       0.02       0.6
10CBs                       0.3        0.6

11CBs            Rating     0          0
11CBs                       0.02       0.66
11CBs                       0.3        0.66

12CBs            Rating     0          0
12CBs                       0.02       0.72
12CBs                       0.3        0.72

13CBs            Rating     0          0
13CBs                       0.02       0.78
13CBs                       0.3        0.78

14CBs            Rating     0          0
14CBs                       0.02       0.84
14CBs                       0.3        0.84

15CBs            Rating     0          0
15CBs                       0.02       0.9
15CBs                       0.3        0.9

16CBs            Rating     0          0
16CBs                       0.02       0.96
16CBs                       0.3        0.96

17CBs            Rating     0          0
17CBs                       0.02       1.02
17CBs                       0.3        1.02

18CBs            Rating     0          0
18CBs                       0.02       1.08
```

18CBs		0.3	1.08
1CBs	Rating	0	0
1CBs		0.01	0.06
1CBs		0.3	0.06
21CBs	Rating	0	0
21CBs		0.02	1.26
21CBs		0.3	1.26
27CBs	Rating	0	0
27CBs		0.02	1.62
27CBs		0.3	1.62
2CBs	Rating	0	0
2CBs		0.01	0.12
2CBs		0.3	0.12
3CBs	Rating	0	0
3CBs		0.01	0.18
3CBs		0.3	0.18
4CBs	Rating	0	0
4CBs		0.01	0.24
4CBs		0.3	0.24
5CBs	Rating	0	0
5CBs		0.01	0.3
5CBs		0.3	0.3
6CBs	Rating	0	0
6CBs		0.01	0.36
6CBs		0.3	0.36
7CBs	Rating	0	0
7CBs		0.01	0.42
7CBs		0.3	0.42
8CBs	Rating	0	0
8CBs		0.01	0.48
8CBs		0.3	0.48

```
9CBs            Rating     0          0
9CBs                       0.01       0.54
9CBs                       0.3        0.54

SWM28RC         Rating     0          0
SWM28RC                    0.615      0
SWM28RC                    0.8        0
SWM28RC                    0.9        0
SWM28RC                    1          0
SWM28RC                    1.1        0.005
SWM28RC                    1.2        0.061
SWM28RC                    1.3        0.088
SWM28RC                    1.4        0.108
SWM28RC                    1.5        0.778
SWM28RC                    1.6        0.814
SWM28RC                    1.7        0.848
SWM28RC                    1.8        0.881
SWM28RC                    1.9        0.912
SWM28RC                    2          0.943
SWM28RC                    2.1        0.972
SWM28RC                    2.2        1.001
SWM28RC                    2.3        1.029
SWM28RC                    2.4        1.056
SWM28RC                    2.5        1.082
SWM28RC                    2.6        1.108
SWM28RC                    2.7        1.133
SWM28RC                    2.8        1.158

;Represents outflow via CB outlets to sewer.  Assumption CBs are at same level as PP (makes sense) - survey shows
them lower, which in turn doesn't match the photos in inventory.
SWM4RC          Rating     0          0
SWM4RC                     1.25       0
SWM4RC                     1.27       0.024
SWM4RC                     1.31       0.078
SWM4RC                     1.33       0.12
SWM4RC                     1.38       0.24
SWM4RC                     1.45       0.48
SWM4RC                     1.55       1.02
SWM4RC                     1.59       1.2
SWM4RC                     1.73       2.4
SWM4RC                     1.85       3.6
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SWM4RC                      2          4.8

ParkStorage      Storage    0          0
ParkStorage                 0.7        900
ParkStorage                 1          16500
ParkStorage                 1.2        29000

SWM28            Storage    0          3450
SWM28                       0.615      3450
SWM28                       0.8        8500
SWM28                       0.9        8500
SWM28                       1          8500
SWM28                       1.1        8500
SWM28                       1.2        8500
SWM28                       1.3        8500
SWM28                       1.4        8500
SWM28                       1.5        8500
SWM28                       1.6        8500
SWM28                       1.7        8500
SWM28                       1.8        8500
SWM28                       1.9        8500
SWM28                       2          8500
SWM28                       2.1        8500
SWM28                       2.2        8500
SWM28                       2.3        8500
SWM28                       2.4        8500
SWM28                       2.5        8500
SWM28                       2.6        8500
SWM28                       2.7        8500
SWM28                       2.8        8500

;Approximated from TSH report base mapping.  Note that pipe inlet is partially submerged according to photos and
survey.  Dead storage has to be incorporated to allow inlet to discharge into pond below surface WL.  Assuming same
surface area between spillway height and very top (the approx 62.0 feet shown on as-built drawing)
SWM4Storage      Storage    0          1900
SWM4Storage                 1.25       1900
SWM4Storage                 1.55       2400
SWM4Storage                 2          2400

;Depth-Area relationship for forebay area of SWM Pond 7
SWM7FB           Storage    0          285
SWM7FB                      1          560
```

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;Stage-Storage relationship for main cell of SWM Pond 7
SWM7MC           Storage    0          4235
SWM7MC                      1          4925

WetlandA1        Storage    0          0
WetlandA1                   0.5        1993
WetlandA1                   1          10128
WetlandA1                   1.5        19123
WetlandA1                   2          72071
WetlandA1                   2.5        81823
WetlandA1                   3          82759

WetlandA2        Storage    0          0
WetlandA2                   0.5        43647
WetlandA2                   1          98288
WetlandA2                   1.5        113931
WetlandA2                   2          114893
WetlandA2                   2.5        114932
WetlandA2                   3          114932

WetlandA3        Storage    0          12203
WetlandA3                   0.5        31285
WetlandA3                   1          84316
WetlandA3                   1.5        119057
WetlandA3                   2          147660
WetlandA3                   2.5        182929
WetlandA3                   3          251326
WetlandA3                   3.5        340723
WetlandA3                   4          451413
WetlandA3                   4.5        540607
WetlandA3                   5          566035
WetlandA3                   5.5        567097

WetlandA4        Storage    0          22748
WetlandA4                   0.5        37777
WetlandA4                   1          56843
WetlandA4                   1.5        85353
WetlandA4                   2          136310
WetlandA4                   2.5        254969
WetlandA4                   3          366650
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WetlandA4                   3.5         464859
WetlandA4                   4           572352
WetlandA4                   4.5         643960
WetlandA4                   5           729815
WetlandA4                   5.5         794027

WetlandB1        Storage    0           748
WetlandB1                   0.5         2179
WetlandB1                   1           4353
WetlandB1                   1.5         18749
WetlandB1                   2           29524
WetlandB1                   2.5         30815
WetlandB1                   3           30837

WetlandB2        Storage    0           0
WetlandB2                   0.5         24588
WetlandB2                   1           28790
WetlandB2                   1.5         29102
WetlandB2                   2           29102
WetlandB2                   2.5         29102
WetlandB2                   3           29102

WetlandC1        Storage    0           0
WetlandC1                   0.5         2567
WetlandC1                   1           10045
WetlandC1                   1.5         21166
WetlandC1                   2           30166
WetlandC1                   2.5         31435
WetlandC1                   3           31518

WetlandD1        Storage    0           0
WetlandD1                   0.5         13522
WetlandD1                   1           58665
WetlandD1                   1.5         127160
WetlandD1                   2           131458
WetlandD1                   2.5         131580
WetlandD1                   3           131580

WetlandD2        Storage    0           650
WetlandD2                   0.5         7394
WetlandD2                   1           48890
```

```
WetlandD2                   1.5         89082
WetlandD2                   2           133528
WetlandD2                   2.5         153565
WetlandD2                   3           162160

WetlandD3        Storage    0           0
WetlandD3                   0.5         1820
WetlandD3                   1           46389
WetlandD3                   1.5         54012
WetlandD3                   2           56062
WetlandD3                   2.5         56124
WetlandD3                   3           56124

WetlandD4        Storage    0           157
WetlandD4                   0.5         10443
WetlandD4                   1           14310
WetlandD4                   1.5         30878
WetlandD4                   2           33670
WetlandD4                   2.5         34949
WetlandD4                   3           35215

WetlandE1        Storage    0           0
WetlandE1                   0.5         7717.148314
WetlandE1                   1           17612.80256
WetlandE1                   1.5         25586.52171
WetlandE1                   2           28587
WetlandE1                   2.5         29290
WetlandE1                   3           29297

WetlandE2        Storage    0           0
WetlandE2                   0.5         6088.864713
WetlandE2                   1           7509.22668
WetlandE2                   1.5         7840
WetlandE2                   2           7885
WetlandE2                   2.5         7885
WetlandE2                   3           7885

WetlandE3        Storage    0           262.986564
WetlandE3                   1           8013.773861
WetlandE3                   2           17068.55258
WetlandE3                   3           23881.86007
```

```
WetlandE3                   4          31930.37758
WetlandE3                   5          45851.68924
WetlandE3                   6          59052.95639
WetlandE3                   7          67360.7874
WetlandE3                   8          77508.42571
WetlandE3                   9          80545.00609
WetlandE3                   10         92149.70895
WetlandE3                   11         108177.4222

[TIMESERIES]
;;Name           Date       Time       Value
;;-------------- ---------- ---------- ----------
;Guelph IDF Curve
AES12hour_100yr             0:15       1.01
AES12hour_100yr             0:30       1.01
AES12hour_100yr             0:45       1.01
AES12hour_100yr             1:00       1.01
AES12hour_100yr             1:15       1.01
AES12hour_100yr             1:30       1.01
AES12hour_100yr             1:45       1.01
AES12hour_100yr             2:00       1.01
AES12hour_100yr             2:15       5.81
AES12hour_100yr             2:30       5.81
AES12hour_100yr             2:45       5.81
AES12hour_100yr             3:00       5.81
AES12hour_100yr             3:15       16.65
AES12hour_100yr             3:30       16.65
AES12hour_100yr             3:45       16.65
AES12hour_100yr             4:00       16.65
AES12hour_100yr             4:15       44.93
AES12hour_100yr             4:30       44.93
AES12hour_100yr             4:45       44.93
AES12hour_100yr             5:00       44.93
AES12hour_100yr             5:15       12.74
AES12hour_100yr             5:30       12.74
AES12hour_100yr             5:45       12.74
AES12hour_100yr             6:00       12.74
AES12hour_100yr             6:15       6.82
AES12hour_100yr             6:30       6.82
AES12hour_100yr             6:45       6.82
AES12hour_100yr             7:00       6.82
```

```
AES12hour_100yr             7:15       3.91
AES12hour_100yr             7:30       3.91
AES12hour_100yr             7:45       3.91
AES12hour_100yr             8:00       3.91
AES12hour_100yr             8:15       1.90
AES12hour_100yr             8:30       1.90
AES12hour_100yr             8:45       1.90
AES12hour_100yr             9:00       1.90
AES12hour_100yr             9:15       1.01
AES12hour_100yr             9:30       1.01
AES12hour_100yr             9:45       1.01
AES12hour_100yr             10:00      1.01
AES12hour_100yr             10:15      1.01
AES12hour_100yr             10:30      1.01
AES12hour_100yr             10:45      1.01
AES12hour_100yr             11:00      1.01
AES12hour_100yr             11:15      1.01
AES12hour_100yr             11:30      1.01
AES12hour_100yr             11:45      1.01
AES12hour_100yr             12:00      1.01

AES12hour_10yr              0:15       0.687085714
AES12hour_10yr              0:30       0.687085714
AES12hour_10yr              0:45       0.687085714
AES12hour_10yr              1:00       0.687085714
AES12hour_10yr              1:15       0.687085714
AES12hour_10yr              1:30       0.687085714
AES12hour_10yr              1:45       0.687085714
AES12hour_10yr              2:00       0.687085714
AES12hour_10yr              2:15       3.969828571
AES12hour_10yr              2:30       3.969828571
AES12hour_10yr              2:45       3.969828571
AES12hour_10yr              3:00       3.969828571
AES12hour_10yr              3:15       11.37508571
AES12hour_10yr              3:30       11.37508571
AES12hour_10yr              3:45       11.37508571
AES12hour_10yr              4:00       11.37508571
AES12hour_10yr              4:15       30.68982857
AES12hour_10yr              4:30       30.68982857
AES12hour_10yr              4:45       30.68982857
AES12hour_10yr              5:00       30.68982857
```

```
AES12hour_10yr              5:15       8.703085714
AES12hour_10yr              5:30       8.703085714
AES12hour_10yr              5:45       8.703085714
AES12hour_10yr              6:00       8.703085714
AES12hour_10yr              6:15       4.656914286
AES12hour_10yr              6:30       4.656914286
AES12hour_10yr              6:45       4.656914286
AES12hour_10yr              7:00       4.656914286
AES12hour_10yr              7:15       2.672
AES12hour_10yr              7:30       2.672
AES12hour_10yr              7:45       2.672
AES12hour_10yr              8:00       2.672
AES12hour_10yr              8:15       1.297828571
AES12hour_10yr              8:30       1.297828571
AES12hour_10yr              8:45       1.297828571
AES12hour_10yr              9:00       1.297828571
AES12hour_10yr              9:15       0.687085714
AES12hour_10yr              9:30       0.687085714
AES12hour_10yr              9:45       0.687085714
AES12hour_10yr              10:00      0.687085714
AES12hour_10yr              10:15      0.687085714
AES12hour_10yr              10:30      0.687085714
AES12hour_10yr              10:45      0.687085714
AES12hour_10yr              11:00      0.687085714
AES12hour_10yr              11:15      0.687085714
AES12hour_10yr              11:30      0.687085714
AES12hour_10yr              11:45      0.687085714
AES12hour_10yr              12:00      0.687085714

;Guelph IDF Curve
AES12hour_5yr               0:15       0.5976
AES12hour_5yr               0:30       0.5976
AES12hour_5yr               0:45       0.5976
AES12hour_5yr               1:00       0.5976
AES12hour_5yr               1:15       0.5976
AES12hour_5yr               1:30       0.5976
AES12hour_5yr               1:45       0.5976
AES12hour_5yr               2:00       0.5976
AES12hour_5yr               2:15       3.4528
AES12hour_5yr               2:30       3.4528
AES12hour_5yr               2:45       3.4528
```

```
AES12hour_5yr               3:00       3.4528
AES12hour_5yr               3:15       9.8936
AES12hour_5yr               3:30       9.8936
AES12hour_5yr               3:45       9.8936
AES12hour_5yr               4:00       9.8936
AES12hour_5yr               4:15       26.6928
AES12hour_5yr               4:30       26.6928
AES12hour_5yr               4:45       26.6928
AES12hour_5yr               5:00       26.6928
AES12hour_5yr               5:15       7.5696
AES12hour_5yr               5:30       7.5696
AES12hour_5yr               5:45       7.5696
AES12hour_5yr               6:00       7.5696
AES12hour_5yr               6:15       4.0504
AES12hour_5yr               6:30       4.0504
AES12hour_5yr               6:45       4.0504
AES12hour_5yr               7:00       4.0504
AES12hour_5yr               7:15       2.324
AES12hour_5yr               7:30       2.324
AES12hour_5yr               7:45       2.324
AES12hour_5yr               8:00       2.324
AES12hour_5yr               8:15       1.1288
AES12hour_5yr               8:30       1.1288
AES12hour_5yr               8:45       1.1288
AES12hour_5yr               9:00       1.1288
AES12hour_5yr               9:15       0.5976
AES12hour_5yr               9:30       0.5976
AES12hour_5yr               9:45       0.5976
AES12hour_5yr               10:00      0.5976
AES12hour_5yr               10:15      0.5976
AES12hour_5yr               10:30      0.5976
AES12hour_5yr               10:45      0.5976
AES12hour_5yr               11:00      0.5976
AES12hour_5yr               11:15      0.5976
AES12hour_5yr               11:30      0.5976
AES12hour_5yr               11:45      0.5976
AES12hour_5yr               12:00      0.5976

;Guelph IDF Curve
AES6hour_100yr              0:15       1.865082087
AES6hour_100yr              0:30       1.865082087
```

```
AES6hour_100yr              0:45       1.865082087
AES6hour_100yr              1:00       1.865082087
AES6hour_100yr              1:15       11.19049252
AES6hour_100yr              1:30       11.19049252
AES6hour_100yr              1:45       31.70639362
AES6hour_100yr              2:00       31.70639362
AES6hour_100yr              2:15       85.79376981
AES6hour_100yr              2:30       85.79376981
AES6hour_100yr              2:45       24.24606527
AES6hour_100yr              3:00       24.24606527
AES6hour_100yr              3:15       13.05557399
AES6hour_100yr              3:30       13.05557399
AES6hour_100yr              3:45       7.460328346
AES6hour_100yr              4:00       7.460328346
AES6hour_100yr              4:15       3.730164173
AES6hour_100yr              4:30       3.730164173
AES6hour_100yr              4:45       1.865082087
AES6hour_100yr              5:00       1.865082087
AES6hour_100yr              5:15       1.865082087
AES6hour_100yr              5:30       1.865082087
AES6hour_100yr              5:45       1.865082087
AES6hour_100yr              6:00       1.865082087

;2100 IDF Curve Predicition
CC_AES12hour_100yr            0:15       1.78
CC_AES12hour_100yr            0:30       1.78
CC_AES12hour_100yr            0:45       1.78
CC_AES12hour_100yr            1:00       1.78
CC_AES12hour_100yr            1:15       1.78
CC_AES12hour_100yr            1:30       1.78
CC_AES12hour_100yr            1:45       1.78
CC_AES12hour_100yr            2:00       1.78
CC_AES12hour_100yr            2:15       10.26
CC_AES12hour_100yr            2:30       10.26
CC_AES12hour_100yr            2:45       10.26
CC_AES12hour_100yr            3:00       10.26
CC_AES12hour_100yr            3:15       29.40
CC_AES12hour_100yr            3:30       29.40
CC_AES12hour_100yr            3:45       29.40
CC_AES12hour_100yr            4:00       29.40
CC_AES12hour_100yr            4:15       79.33
```

CC_AES12hour_100yr	4:30	79.33
CC_AES12hour_100yr	4:45	79.33
CC_AES12hour_100yr	5:00	79.33
CC_AES12hour_100yr	5:15	22.50
CC_AES12hour_100yr	5:30	22.50
CC_AES12hour_100yr	5:45	22.50
CC_AES12hour_100yr	6:00	22.50
CC_AES12hour_100yr	6:15	12.04
CC_AES12hour_100yr	6:30	12.04
CC_AES12hour_100yr	6:45	12.04
CC_AES12hour_100yr	7:00	12.04
CC_AES12hour_100yr	7:15	6.91
CC_AES12hour_100yr	7:30	6.91
CC_AES12hour_100yr	7:45	6.91
CC_AES12hour_100yr	8:00	6.91
CC_AES12hour_100yr	8:15	3.35
CC_AES12hour_100yr	8:30	3.35
CC_AES12hour_100yr	8:45	3.35
CC_AES12hour_100yr	9:00	3.35
CC_AES12hour_100yr	9:15	1.78
CC_AES12hour_100yr	9:30	1.78
CC_AES12hour_100yr	9:45	1.78
CC_AES12hour_100yr	10:00	1.78
CC_AES12hour_100yr	10:15	1.78
CC_AES12hour_100yr	10:30	1.78
CC_AES12hour_100yr	10:45	1.78
CC_AES12hour_100yr	11:00	1.78
CC_AES12hour_100yr	11:15	1.78
CC_AES12hour_100yr	11:30	1.78
CC_AES12hour_100yr	11:45	1.78
CC_AES12hour_100yr	12:00	1.78

Guelph100Y	01/19/2010 0:00	0
Guelph100Y	01/19/2010 0:05	3.05
Guelph100Y	01/19/2010 0:10	3.33
Guelph100Y	01/19/2010 0:15	3.7
Guelph100Y	01/19/2010 0:20	4.14
Guelph100Y	01/19/2010 0:25	4.68
Guelph100Y	01/19/2010 0:30	5.34
Guelph100Y	01/19/2010 0:35	6.18
Guelph100Y	01/19/2010 0:40	7.26

Guelph100Y	01/19/2010 0:45	8.89
Guelph100Y	01/19/2010 0:50	10.63
Guelph100Y	01/19/2010 0:55	13.39
Guelph100Y	01/19/2010 1:00	17.51
Guelph100Y	01/19/2010 1:05	24.1
Guelph100Y	01/19/2010 1:10	35.69
Guelph100Y	01/19/2010 1:15	59.35
Guelph100Y	01/19/2010 1:20	121.59
Guelph100Y	01/19/2010 1:25	239.35
Guelph100Y	01/19/2010 1:30	137.52
Guelph100Y	01/19/2010 1:35	80.54
Guelph100Y	01/19/2010 1:40	53.35
Guelph100Y	01/19/2010 1:45	38.19
Guelph100Y	01/19/2010 1:50	28.84
Guelph100Y	01/19/2010 1:55	22.65
Guelph100Y	01/19/2010 2:00	18.33
Guelph100Y	01/19/2010 2:05	15.19
Guelph100Y	01/19/2010 2:10	12.83
Guelph100Y	01/19/2010 2:15	11
Guelph100Y	01/19/2010 2:20	9.56
Guelph100Y	01/19/2010 2:25	8.41
Guelph100Y	01/19/2010 2:30	7.46
Guelph100Y	01/19/2010 2:35	6.68
Guelph100Y	01/19/2010 2:40	6.02
Guelph100Y	01/19/2010 2:45	5.49
Guelph100Y	01/19/2010 2:50	4.99
Guelph100Y	01/19/2010 2:55	4.58
Guelph100Y	01/19/2010 3:00	4.22
Guelph100Y	01/19/2010 3:05	3.91
Guelph100Y	01/19/2010 3:10	3.63
Guelph100Y	01/19/2010 3:15	3.38
Guelph100Y	01/19/2010 3:20	3.17
Guelph100Y	01/19/2010 3:25	3.05
Guelph100Y	01/19/2010 3:30	0
Guelph5Y	01/19/2010 0:00	0
Guelph5Y	01/19/2010 0:05	3.06
Guelph5Y	01/19/2010 0:10	3.35
Guelph5Y	01/19/2010 0:15	3.7
Guelph5Y	01/19/2010 0:20	4.13
Guelph5Y	01/19/2010 0:25	4.68

```
Guelph5Y         01/19/2010 0:30       5.37
Guelph5Y         01/19/2010 0:35       6.3
Guelph5Y         01/19/2010 0:40       7.59
Guelph5Y         01/19/2010 0:45       9.48
Guelph5Y         01/19/2010 0:50       12.46
Guelph5Y         01/19/2010 0:55       17.72
Guelph5Y         01/19/2010 1:00       28.8
Guelph5Y         01/19/2010 1:05       61.69
Guelph5Y         01/19/2010 1:10       139.29
Guelph5Y         01/19/2010 1:15       70.6
Guelph5Y         01/19/2010 1:20       39.22
Guelph5Y         01/19/2010 1:25       25.91
Guelph5Y         01/19/2010 1:30       18.86
Guelph5Y         01/19/2010 1:35       14.61
Guelph5Y         01/19/2010 1:40       11.81
Guelph5Y         01/19/2010 1:45       9.86
Guelph5Y         01/19/2010 1:50       8.42
Guelph5Y         01/19/2010 1:55       7.33
Guelph5Y         01/19/2010 2:00       6.48
Guelph5Y         01/19/2010 2:05       5.8
Guelph5Y         01/19/2010 2:10       5.24
Guelph5Y         01/19/2010 2:15       4.78
Guelph5Y         01/19/2010 2:20       4.39
Guelph5Y         01/19/2010 2:25       4.05
Guelph5Y         01/19/2010 2:30       3.77
Guelph5Y         01/19/2010 2:35       3.52
Guelph5Y         01/19/2010 2:40       3.3
Guelph5Y         01/19/2010 2:45       3.1
Guelph5Y         01/19/2010 2:50       3.05
Guelph5Y         01/19/2010 2:55       0

;Rainfall (mm/hr)
Hurricane_Hazel_(0-25) 01/19/2010 00:00:00   6.33
Hurricane_Hazel_(0-25) 01/19/2010 01:00:00   4.22
Hurricane_Hazel_(0-25) 01/19/2010 02:00:00   6.33
Hurricane_Hazel_(0-25) 01/19/2010 03:00:00   12.66
Hurricane_Hazel_(0-25) 01/19/2010 04:00:00   16.88
Hurricane_Hazel_(0-25) 01/19/2010 05:00:00   12.66
Hurricane_Hazel_(0-25) 01/19/2010 06:00:00   23.21
Hurricane_Hazel_(0-25) 01/19/2010 07:00:00   12.66
Hurricane_Hazel_(0-25) 01/19/2010 08:00:00   12.66
```

```
Hurricane_Hazel_(0-25) 01/19/2010 09:00:00   52.75
Hurricane_Hazel_(0-25) 01/19/2010 10:00:00   37.98
Hurricane_Hazel_(0-25) 01/19/2010 11:00:00   12.66

[REPORT]
;;Reporting Options
INPUT      NO
CONTROLS   NO
SUBCATCHMENTS ALL
NODES ALL
LINKS ALL

[TAGS]
Subcatch   A1               WETLAND
Subcatch   A1.1             SUB
Subcatch   A1.1_FRST        FOREST
Subcatch   A2               WETLAND
Subcatch   A2.1             SUB
Subcatch   A2.1_FRST        FOREST
Subcatch   A2.2             SUB
Subcatch   A2.2_FRST        FOREST
Subcatch   A3               WETLAND
Subcatch   A3.1             SUB
Subcatch   A3.1_FRST        FOREST
Subcatch   A3.2             SUB
Subcatch   A3.2_FRST        FOREST
Subcatch   A3.3             SUB
Subcatch   A3.3_FRST        FOREST
Subcatch   A4               WETLAND
Subcatch   A4.1             SUB
Subcatch   A4.1_FRST        FOREST
Subcatch   A4.2             SUB
Subcatch   A4.2_FRST        FOREST
Subcatch   A4.3             SUB
Subcatch   A4.3_FRST        FOREST
Subcatch   A4.4_FRST        FOREST
Subcatch   A4.5             SUB
Subcatch   A4.5_FRST        FOREST
Subcatch   A4.6             SUB
Subcatch   A4.6_FRST        FOREST
Subcatch   B1               WETLAND
```

```
Subcatch   B1.1             SUB
Subcatch   B1.1_FRST        FOREST
Subcatch   B2               WETLAND
Subcatch   B2.1             SUB
Subcatch   B2.1_FRST        FOREST
Subcatch   C1               WETLAND
Subcatch   C1.1             SUB
Subcatch   C1.1_FRST        FOREST
Subcatch   D1               WETLAND
Subcatch   D1.1             SUB
Subcatch   D1.1_FRST        FOREST
Subcatch   D2               WETLAND
Subcatch   D2.1             SUB
Subcatch   D2.1_FRST        FOREST
Subcatch   D3               WETLAND
Subcatch   D3.1             SUB
Subcatch   D4               WETLAND
Subcatch   D4.1             SUB
Subcatch   D4.1_FRST        FOREST
Subcatch   E1               WETLAND
Subcatch   E1.1             SUB
Subcatch   E1.1_FRST        FOREST
Subcatch   E2               WETLAND
Subcatch   E2.1             SUB
Subcatch   E2.1_FRST        FOREST
Subcatch   E3               WETLAND
Subcatch   E3.1             SUB
Subcatch   E3.1_FRST        FOREST
Node       13               PEAKFLOW
Node       14               OVERFLOW
Node       18               PEAKFLOW
Node       20               OVERFLOW
Node       21               PEAKFLOW
Node       22               PEAKFLOW
Node       28               OVERFLOW
Node       31               PEAKFLOW
Node       37               OVERFLOW
Node       40               OVERFLOW
Node       42               OVERFLOW
Node       48               OVERFLOW
Node       49               OVERFLOW
```

```
Node       5                PEAKFLOW
Node       50               OVERFLOW
Node       54               OVERFLOW
Node       56               PEAKFLOW
Node       7                OVERFLOW
Node       9                PEAKFLOW
Node       PWOPRMHS0001611  2
Link       2                OUTLET_A1
Link       4                OUTLET_A2
Link       45               OVERFLOW
Link       46               OVERFLOW
Link       49               OVERFLOW
Link       51               OVERFLOW
Link       53               OVERFLOW
Link       55               OVERFLOW
Link       56               OVERFLOW
Link       59               OVERFLOW
Link       61               OVERFLOW
Link       62               OVERFLOW
Link       64               OVERFLOW
Link       66               OVERFLOW
Link       67               OVERFLOW
Link       7                OUTLET_A3

[MAP]
DIMENSIONS       560049.17765     4813980.0537     566747.96535     4819891.9223
UNITS            Meters

[COORDINATES]
;;Node           X-Coord          Y-Coord
;;-------------- ---------------- ----------------
1                563505.595       4818857.531
11               562264.051       4817092.616
12               562093.693       4816996.517
13               561923.335       4816939.73
14               563765.659       4818608.344
15               561698.149       4817099.989
17               561555.781       4817211.295
18               562426.62        4818157.29
19               562538.173       4818252.284
2                563971.394       4816882.676
```

20	564178.863	4818321.328
21	562545.175	4815756.588
22	562792.469	4817889.143
24	562914.204	4817643.271
25	562839.502	4817808.814
26	563392.315	4814809.546
27	563008.362	4815059.447
28	564101.861	4817495.179
29	562658.413	4815370.702
3	563813.34	4818552.225
30	562518.57	4815887.312
31	562509.891	4815976.414
32	562389.177	4816125.495
34	562132.804	4816343.723
35	562141.559	4816415.771
36	562019.922	4816837.051
37	562691.445	4818224.496
39	562260.757	4815366.47
4	562898.769	4818142.309
40	562735.784	4816716.891
42	562653.629	4817959.571
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[VERTICES]
;;Link           X-Coord          Y-Coord
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[POLYGONS]
;;Subcatchment   X-Coord          Y-Coord
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A3	564764.334	4817075.53
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A3	564750.335	4817050.53
A3	564747.335	4817043.529
A3	564746.712	4817042.906
A3	564742.335	4817038.53
A3	564740.114	4817038.529
A3	564738.075	4817036.83
A3	564724.824	4817025.789
A3	564714.244	4817025.789
A3	564698.364	4817039.019

A3	564682.494	4817052.249
A3	564666.614	4817068.119
A3	564642.804	4817086.639
A3	564623.699	4817101.34
A3	564620.334	4817103.929
A3	564617.334	4817104.529
A3	564601.336	4817107.529
A3	564583.334	4817112.529
A3	564574.639	4817113.109
A3	564569.554	4817116.049
A3	564561.683	4817117.479
A3	564555.244	4817116.759
A3	564544.504	4817115.329
A3	564539.702	4817113.528
A3	564538.784	4817113.179
A3	564532.01	4817111.828
A3	564531.623	4817111.75
A3	564527.324	4817110.319
A3	564519.454	4817106.739
A3	564510.144	4817107.459
A3	564500.844	4817108.889
A3	564490.825	4817110.319
A3	564485.814	4817110.319
A3	564485.646	4817110.383
A3	564482.765	4817111.489
A3	564476.504	4817113.899
A3	564470.064	4817115.329
A3	564460.754	4817118.188
A3	564446.444	4817117.479
A3	564437.854	4817116.049
A3	564429.264	4817115.329
A3	564424.974	4817112.469
A3	564421.394	4817108.169
A3	564415.664	4817103.159
A3	564412.804	4817098.15
A3	564412.084	4817093.139
A3	564412.084	4817085.979
A3	564412.804	4817078.109
A3	564412.835	4817077.752
A3	564412.884	4817077.209
A3	564413.514	4817070.239

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A3              564415.664       4817061.65
A3              564418.524       4817048.76
A3              564415.664       4817043.039
A3              564407.074       4817035.879
A3              564404.214       4817030.149
A3              564399.204       4817022.999
A3              564396.334       4817015.119
A3              564391.324       4817009.399
A3              564390.354       4817008.279
A3              564389.316       4817007.095
A3              564386.314       4817003.669
A3              564384.162       4817000.224
;Part2: A3
A3              564785.433       4817246.268
A3              564789.865       4817246.547
A3              564792.355       4817246.268
A3              564791.805       4817247.377
A3              564790.422       4817249.038
A3              564787.374       4817251.251
A3              564785.154       4817252.909
A3              564781.555       4817255.129
A3              564781.238       4817255.169
A3              564779.343       4817255.408
A3              564777.682       4817254.851
A3              564774.912       4817252.911
A3              564772.973       4817251.529
A3              564770.482       4817251.251
A3              564768.083       4817251.492
A3              564767.712       4817251.529
A3              564765.773       4817251.251
A3              564762.726       4817249.868
A3              564761.896       4817247.65
A3              564760.513       4817245.16
A3              564759.125       4817243.498
A3              564756.912       4817242.111
A3              564755.804       4817240.177
A3              564755.693       4817239.625
A3              564755.244       4817237.41
A3              564754.143       4817234.638
A3              564753.575       4817233.162
A3              564752.755       4817231.037
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A3	564753.864	4817229.098
A3	564756.355	4817226.88
A3	564758.294	4817224.666
A3	564759.684	4817220.239
A3	564759.955	4817216.357
A3	564760.234	4817211.097
A3	564761.617	4817206.667
A3	564763.003	4817203.619
A3	564765.495	4817202.511
A3	564770.482	4817201.128
A3	564773.804	4817203.341
A3	564778.234	4817205.28
A3	564781.282	4817208.049
A3	564781.834	4817212.201
A3	564781.834	4817216.632
A3	564781.004	4817221.067
A3	564781.003	4817224.941
A3	564780.174	4817229.098
A3	564780.174	4817232.971
A3	564781.247	4817235.122
A3	564781.555	4817235.741
A3	564781.556	4817239.341
A3	564781.432	4817240.089
A3	564781.282	4817241.008
A3	564781.428	4817242.335
A3	564781.556	4817243.498
A3	564783.773	4817245.437
A3	564785.433	4817246.268
A3.1	563865.573	4817838.43
A3.1	563867.305	4817845.87
A3.1	563877.062	4817855.151
A3.1	563858.384	4817878.243
A3.1	563874.345	4817911.524
A3.1	563935.019	4817975.878
A3.1	564126.048	4818121.548
A3.1	564131.385	4818116.469
A3.1	564138.243	4818109.94
A3.1	564138.581	4818109.618
A3.1	564145.101	4818103.411
A3.1	564151.961	4818096.882
A3.1	564159.324	4818089.872

A3.1	564168.493	4818081.145
A3.1	564172.75	4818077.092
A3.1	564180.766	4818069.461
A3.1	564187.506	4818063.045
A3.1	564191.701	4818053.329
A3.1	564200.387	4818033.205
A3.1	564204.532	4818023.603
A3.1	564199.986	4818006.941
A3.1	564198.012	4817999.707
A3.1	564189.429	4817990.761
A3.1	564177.556	4817978.386
A3.1	564170.265	4817970.788
A3.1	564162.975	4817963.189
A3.1	564155.684	4817955.59
A3.1	564148.394	4817947.992
A3.1	564141.103	4817940.393
A3.1	564133.812	4817932.794
A3.1	564126.522	4817925.196
A3.1	564119.231	4817917.597
A3.1	564111.941	4817909.999
A3.1	564105.345	4817903.124
A3.1	564098.748	4817896.249
A3.1	564092.152	4817889.374
A3.1	564085.556	4817882.499
A3.1	564078.96	4817875.624
A3.1	564072.364	4817868.749
A3.1	564065.767	4817861.874
A3.1	564059.171	4817854.999
A3.1	564052.575	4817848.124
A3.1	564045.978	4817841.25
A3.1	564039.73	4817834.737
A3.1	564033.481	4817828.224
A3.1	564027.232	4817821.711
A3.1	564020.982	4817815.198
A3.1	564014.734	4817808.684
A3.1	564008.485	4817802.171
A3.1	564002.236	4817795.658
A3.1	563993.209	4817786.251
A3.1	563980.6	4817773.109
A3.1	563965.391	4817757.257
A3.1	563959.735	4817759.832

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A3.1             563937.518       4817769.943
A3.1             563921.732       4817784.971
A3.1             563906.67        4817799.309
A3.1             563887.369       4817817.682
A3.1             563879.25        4817825.41
A3.1             563865.573       4817838.43
;Part2: A3.1
A3.1             563808.608       4817593.851
A3.1             563836.711       4817714.511
A3.1             563900.795       4817689.932
A3.1             563833.082       4817619.358
A3.1             563808.608       4817593.851
......
Too many subcatchment entities (247 in total).

[SYMBOLS]
;;Gage           X-Coord          Y-Coord
;;-------------- ---------------- ----------------
```

H.07 Input for PCSWMM for Scenario 7

```
[TITLE]
Climate Change Model of Scenario 2

[OPTIONS]
;;Options            Value
;;------------------ ------------
FLOW_UNITS           CMS
INFILTRATION         GREEN_AMPT
FLOW_ROUTING         DYNWAVE
LINK_OFFSETS         ELEVATION
MIN_SLOPE            0
ALLOW_PONDING        NO
SKIP_STEADY_STATE    NO

START_DATE           09/01/2021
START_TIME           00:00:00
REPORT_START_DATE    09/01/2021
REPORT_START_TIME    00:00:00
END_DATE             09/04/2021
END_TIME             00:00:00
SWEEP_START          01/01
SWEEP_END            12/31
DRY_DAYS             0
REPORT_STEP          00:05:00
WET_STEP             00:05:00
DRY_STEP             00:15:00
ROUTING_STEP         1
RULE_STEP            00:00:00

INERTIAL_DAMPING     PARTIAL
NORMAL_FLOW_LIMITED  BOTH
FORCE_MAIN_EQUATION  H-W
VARIABLE_STEP        0.75
LENGTHENING_STEP     1
MIN_SURFAREA         0
MAX_TRIALS           8
HEAD_TOLERANCE       0.0015
SYS_FLOW_TOL         5
LAT_FLOW_TOL         5
MINIMUM_STEP         0.5
THREADS              4
```

```
[EVAPORATION]
;;Type          Parameters
;;------------- ----------
MONTHLY          0.0    0.0    0.0    1.06   2.48   3.6    4.13   3.61   2.43   1.19   0.3    0.0
DRY_ONLY         NO

[RAINGAGES]
;;                     Rain      Time     Snow     Data
;;Name                 Type      Intrvl   Catch    Source
;;-------------------- --------- -------- -------- ----------
AES12hour_100year      INTENSITY 0:15     1.0      TIMESERIES AES12hour_100yr
AES6hour_100year       INTENSITY 0:15     1.0      TIMESERIES AES6hour_100yr
CC_AES12hour_100year   INTENSITY 0:15     1.0      TIMESERIES CC_AES12hour_100yr
DSGauge                INTENSITY 0:05     1.0      TIMESERIES Guelph100Y
Hurricane_Hazel_(0-25) INTENSITY 01:00    1.0      TIMESERIES Hurricane_Hazel_(0-25)

[SUBCATCHMENTS]
;;                                                 Total    Pcnt.             Pcnt.    Curb     Snow
;;Name           Raingage         Outlet           Area     Imperv   Width    Slope    Length   Pack
;;-------------- ---------------- ---------------- -------- -------- -------- -------- -------- --------
A1               CC_AES12hour_100year 14           8.37858  5        577.833  1.159    0
A1.1             CC_AES12hour_100year 1            42.8127  31       4281.27  2.55     0
A1.1_FRST        CC_AES12hour_100year 1            3.63836  31       382.985  2.55     0
A2               CC_AES12hour_100year 20           11.49151 5        675.971  0.876    0
A2.1             CC_AES12hour_100year 3            12.9012  20       1290.12  4.465    0
;05
A2.1_FRST        CC_AES12hour_100year 3            3.27903  20       364.337  4.465    0
A2.2             CC_AES12hour_100year 3            8.44264  34       844.264  5.546    0
A2.2_FRST        CC_AES12hour_100year 3            2.22057  34       296.076  5.546    0
;01
A3               CC_AES12hour_100year 28           56.7748  5        1494.074 0.876    0
A3.1             CC_AES12hour_100year 6            6.44601  22       644.601  4.32     0
A3.1_FRST        CC_AES12hour_100year 6            13.18801 22       1318.801 4.32     0
A3.2             CC_AES12hour_100year 6            32.32076 36       3232.076 3.055    0
A3.2_FRST        CC_AES12hour_100year 6            7.39984  36       739.984  3.055    0
A3.3             CC_AES12hour_100year 28           70.21898 23       7021.898 1.831    0
A3.3_FRST        CC_AES12hour_100year 28           17.13255 23       1713.255 1.831    0
;02
A4               CC_AES12hour_100year 7            100.51695 5       2010.339 1.409    0
A4.1             CC_AES12hour_100year 9            1.02924  20       205.848  12.11    0
```

```
A4.1_FRST        CC_AES12hour_100year 9            5.52575  20       1105.15  12.11    0
A4.2             CC_AES12hour_100year 8            9.80983  29       980.983  3.264    0
A4.2_FRST        CC_AES12hour_100year 8            16.15059 29       1615.059 3.264    0
A4.3             CC_AES12hour_100year 8            46.96537 61       4696.537 6.754    0
A4.3_FRST        CC_AES12hour_100year 8            8.10956  61       810.956  6.754    0
A4.4_FRST        CC_AES12hour_100year 7            18.6402  27       1864.02  2.341    0
A4.5             CC_AES12hour_100year 2            108.8003 29       10880.03 2.616    0
A4.5_FRST        CC_AES12hour_100year 2            15.02335 29       1502.335 2.616    0
A4.6             CC_AES12hour_100year 2            148.9709 52       14897.09 3.51     0
A4.6_FRST        CC_AES12hour_100year 2            60.75746 52       6075.746 3.51     0
B1               CC_AES12hour_100year 37           3.0847   5        342.744  1.624    0
B1.1             CC_AES12hour_100year 4            0.99721  20       199.442  3.723    0
;06
B1.1_FRST        CC_AES12hour_100year 4            3.70213  20       740.426  3.723    0
;03
B2               CC_AES12hour_100year 42           2.9118   5        342.565  0.832    0
B2.1             CC_AES12hour_100year 18           6.4804   11       648.04   8.395    0
B2.1_FRST        CC_AES12hour_100year 18           8.06289  11       806.289  8.395    0
C1               CC_AES12hour_100year 40           3.1551   5        350.567  1.284    0
C1.1             CC_AES12hour_100year 40           123.3055 61       12330.55 2.612    0
C1.1_FRST        CC_AES12hour_100year 40           2.78849  61       328.058  2.612    0
D1               CC_AES12hour_100year 48           13.15501 5        711.082  0.84     0
D1.1             CC_AES12hour_100year 27           119.81733 61      11981.733 2.621   0
;07
D1.1_FRST        CC_AES12hour_100year 27           30.3332  61       3033.32  2.621    0
D2               CC_AES12hour_100year 21           17.56726 5        836.536  0.804    0
D2.1             CC_AES12hour_100year 21           52.2425  54       5224.25  1.309    0
D2.1_FRST        CC_AES12hour_100year 21           19.03354 54       1903.354 1.309    0
D3               CC_AES12hour_100year 49           5.6119   5        467.658  0.585    0
D3.1             CC_AES12hour_100year 49           36.10892 60       3610.892 4.474    0
;04
D4               CC_AES12hour_100year 50           3.51993  5        370.519  1.366    0
D4.1             CC_AES12hour_100year 50           23.40875 53       2340.875 1.568    0
D4.1_FRST        CC_AES12hour_100year 50           13.64864 53       1364.864 1.568    0
E1               CC_AES12hour_100year 53           2.92807  5        344.479  1.111    0
E1.1             CC_AES12hour_100year 53           18.00759 23       1800.759 3.079    0
;08
E1.1_FRST        CC_AES12hour_100year 53           32.85577 23       3285.577 3.079    0
E2               CC_AES12hour_100year 54           0.78579  5        174.62   2.898    0
E2.1             CC_AES12hour_100year 54           9.27285  19       927.285  4.9      0
E2.1_FRST        CC_AES12hour_100year 54           0.87158  19       174.316  4.9      0
```

E3	CC_AES12hour_100year	56	14.02097	5	737.946	2.707	0
E3.1	CC_AES12hour_100year	56	22.8162	22	2281.62	12.425	0
E3.1_FRST	CC_AES12hour_100year	56	13.0633	22	1306.33	12.425	0
HC01-01	CC_AES12hour_100year	PWOPRMHS0001937	6.22	28.7	1269.388	3.5	0
HC01-02	CC_AES12hour_100year	PWOPRMHS0001695	2.27	24.8	504.444	4.2	0
HC01-03	CC_AES12hour_100year	PWOPRMHS0001925	1.2	24.8	173.913	7.1	0
HC01-04	CC_AES12hour_100year	SWMPOND	2.49	19.4	415	4.2	0
HC01-05	CC_AES12hour_100year	PWOPRMHS0001939	2.5	24.8	500	6.3	0
HC01-06	CC_AES12hour_100year	PWOPRMHS0001928	1.32	24.8	197.015	6.7	0
HC01-07	CC_AES12hour_100year	PWOPRMHS0001944	0.7	24.8	159.091	0.8	0
HC01-08	CC_AES12hour_100year	PWOPRMHS0001930	0.52	24.8	70.27	10	0
HC01-09	CC_AES12hour_100year	PWOPRMHS0001947	0.66	24.8	160.976	1.3	0
HC01-10	CC_AES12hour_100year	PWOPRMHS0001929	1.14	24.8	156.164	7.8	0
HC01-11	CC_AES12hour_100year	PWOPRMHS0001933	1.39	24.8	217.187	3.3	0
HC01-12	CC_AES12hour_100year	PWOPRMHS0001943	3.1	24.8	720.93	3.9	0
HC02-01	CC_AES12hour_100year	PWOPRMHS0001622	0.37	37.3	115.625	0.9	0
HC02-02	CC_AES12hour_100year	PWOPRMHS0001413	2.17	50.4	678.125	0.4	0
HC02-03	CC_AES12hour_100year	PWOPRMHS0001412	0.19	43.2	59.375	0.8	0
HC02-04	CC_AES12hour_100year	PWOPRMHS0001411	0.41	29.2	128.125	5	0
HC02-05	CC_AES12hour_100year	PWOPRMHS0001764	2.96	14.8	925	2.6	0
HC02-06	CC_AES12hour_100year	PWOPRMHS0001768	1.79	15.2	577.419	1.4	0
HC02-07	CC_AES12hour_100year	PWOPRMHS0001767	0.78	12.8	243.75	0.6	0
HC02-08	CC_AES12hour_100year	PWOPRMHS0001409	1.26	11.6	393.75	1.4	0
HC02-09	CC_AES12hour_100year	PWOPRMHS0001410	0.87	13.6	263.636	0.5	0
HC02-10	CC_AES12hour_100year	PWOPRMHS0001634	0.94	12.4	293.75	0.8	0
HC02-11	CC_AES12hour_100year	PWOPRMHS0001791	1.49	13.6	465.625	1	0
HC02-12	CC_AES12hour_100year	PWOPRMHS0001797	2.15	12.4	651.515	0.3	0
HC02-13	CC_AES12hour_100year	PWOPRMHS0001792	0.84	11.6	262.5	0.6	0
HC02-14	CC_AES12hour_100year	PWOPRMHS0001836	0.92	12	270.588	1.1	0
HC02-15	CC_AES12hour_100year	PWOPRMHS0001788	1.6	13.2	470.588	2.5	0
HC02-16	CC_AES12hour_100year	PWOPRMHS0001403	0.51	14	150	2.5	0
HC02-17	CC_AES12hour_100year	PWOPRMHS0001403	2.36	13.2	715.152	1.1	0
HC02-18	CC_AES12hour_100year	PWOPRMHS0001433	3.83	14	1160.606	3.3	0
HC02-19	CC_AES12hour_100year	PWOPRMHS0001418	1.52	14.4	460.606	0.1	0
HC02-20	CC_AES12hour_100year	PWOPRMHS0001804	0.44	35.2	275	1.3	0
HC02-21	CC_AES12hour_100year	PWOPRMHS0001903	3.51	14.4	1002.857	0.9	0
HC02-22	CC_AES12hour_100year	PWOPRMHS0001914	2.97	14.4	900	0.8	0
HC02-23	CC_AES12hour_100year	PWOPRMHS0001858	0.4	42.8	160	1.1	0
HC02-24	CC_AES12hour_100year	PWOPRMHS0001915	0.07	58.4	58.333	1.8	0
HC02-25	CC_AES12hour_100year	PWOPRMHS0001916	1.13	45.9	513.636	2.9	0
HC02-26	CC_AES12hour_100year	PWOPRMHS0001855	0.34	54.8	170	4.8	0

HC02-27	CC_AES12hour_100year	PWOPRMHS0001857	0.75	18	227.273	5.1	0
HC02-28	CC_AES12hour_100year	PWOPRMHS0001436	0.57	18	172.727	2.8	0
HC02-29	CC_AES12hour_100year	PWOPRMHS0001435	0.53	40	160.606	0.9	0
HC02-30	CC_AES12hour_100year	PWOPRMHS0001918	1.48	1.2	462.5	0.3	0
HC02-31	CC_AES12hour_100year	PWOPRMHS0001908	2.42	15.2	711.765	1.8	0
HC02-32	CC_AES12hour_100year	PWOPRMHS0001917	2.15	14.4	632.353	3.2	0
HC02-33	CC_AES12hour_100year	PWOPRMHS0001917	0.83	15.2	244.118	0.5	0
HC02-34	CC_AES12hour_100year	PWOPRMHS0001906	0.3	26	88.235	4.5	0
HC02-35	CC_AES12hour_100year	PWOPRMHS0001912	1	1.6	333.333	0.8	0
HC02-36	CC_AES12hour_100year	MHSWM4	0.44	5.6	440	2.1	0
HC02-37	CC_AES12hour_100year	PWOPRMHS0001912	1.01	5.2	480.952	2.2	0
HC02-38	CC_AES12hour_100year	PWOPRMHS0001765	3.11	13.6	914.706	0.5	0
HC02-39	CC_AES12hour_100year	PWOPRMHS0001867	0.88	11.6	266.667	0.1	0
HC03-01	CC_AES12hour_100year	PWOPRMHS0001626	2.24	32	1066.667	0.4	0
HC03-02	CC_AES12hour_100year	PWOPRMHS0001625	0.8	15.2	258.065	3.1	0
HC03-03	CC_AES12hour_100year	PWOPRMHS0001651	0.13	18.8	76.471	5.3	0
HC03-04	CC_AES12hour_100year	PWOPRMHS0001655	1.03	18.8	343.333	2	0
HC03-05	CC_AES12hour_100year	PWOPRMHS0001649	0.33	36.8	173.684	2.3	0
HC03-06	CC_AES12hour_100year	PWOPRMHS0001659	5.16	13.8	1563.636	3.3	0
HC03-07	CC_AES12hour_100year	PWOPRMHS0001658	1.81	15.2	583.871	1.5	0
HC03-08	CC_AES12hour_100year	PWOPRMHS0002082	4.36	15.5	1321.212	3.5	0
HC03-09	CC_AES12hour_100year	PWOPRMHS0002085	1.94	23.3	485	1.3	0
HC03-10	CC_AES12hour_100year	PWOPRMHS0002084	1.69	12	512.121	1.9	0
HC03-11	CC_AES12hour_100year	PWOPRMHS0002080	2.51	16.5	627.5	2.8	0
HC03-12	CC_AES12hour_100year	PWOPRMHS0001891	1.18	14	357.576	0.3	0
HC03-13	CC_AES12hour_100year	PWOPRMHS0001889	0.38	18.8	180.952	0.8	0
HC03-14	CC_AES12hour_100year	PWOPRMHS0001890	0.13	58.4	56.522	0.7	0
HC03-15	CC_AES12hour_100year	PWOPRMHS0001894	0.62	13.6	187.879	1.6	0
HC03-16	CC_AES12hour_100year	PWOPRMHS0001660	0.31	21.2	100	1.1	0
HC03-17	CC_AES12hour_100year	PWOPRMHS0001657	0.12	36.8	75	2.2	0
HC03-18	CC_AES12hour_100year	PWOPRMHS0001663	0.1	64	100	0.4	0
HC03-19	CC_AES12hour_100year	PWOPRMHS0001661B	7.88	8.4	3940	3.5	0
HC03-20	CC_AES12hour_100year	PWOPRMHS0001662	1.5	2.4	500	0.6	0
HC04-01	CC_AES12hour_100year	PWOPRMHS0002042	3.59	18	897.5	0.6	0
HC04-02	CC_AES12hour_100year	PWOPRMHS0001874	0.66	13.9	200	1.5	0
HC04-03	CC_AES12hour_100year	PWOPRMHS0001739	1.2	14.9	363.636	1	0
HC04-04	CC_AES12hour_100year	PWOPRMHS0002041	5.28	18	812.308	1.1	0
HC04-05	CC_AES12hour_100year	PWOPRMHS0001741	0.62	17.6	182.353	2.6	0
HC04-06	CC_AES12hour_100year	PWOPRMHS0002051	1.07	17.6	324.242	0.6	0
HC04-07	CC_AES12hour_100year	PWOPRMHS0001745	0.09	38.4	81.818	0.1	0
HC04-08	CC_AES12hour_100year	PWOPRMHS0001746	0.34	15.5	79.07	1.5	0

HC04-09	CC_AES12hour_100year	PWOPRMHS0001692	0.53	17.6	147.222	1	0
HC04-10	CC_AES12hour_100year	PWOPRMHS0001743	0.62	17.6	177.143	0.6	0
HC04-11	CC_AES12hour_100year	PWOPRMHS0001691	0.91	16.7	325	1.6	0
HC04-12	CC_AES12hour_100year	PWOPRMHS0001919	2.2	13.2	687.5	0.7	0
HC04-13	CC_AES12hour_100year	PWOPRMHS0001690	0.3	15.2	115.385	0.6	0
HC04-14	CC_AES12hour_100year	PWOPRMHS0002095	2.79	14	734.211	0.3	0
HC04-15	CC_AES12hour_100year	PWOPRMHS0003153	3.91	14	1221.875	0.8	0
HC04-16	CC_AES12hour_100year	PWOPRMHS0001680	0.46	15.2	153.333	1	0
HC04-17	CC_AES12hour_100year	PWOPRMHS0003160	2.26	17.6	904	0.9	0
HC04-18	CC_AES12hour_100year	PWOPRMHS0003146	0.26	21.1	173.333	0.1	0
HC04-19	CC_AES12hour_100year	PWOPRMHS0003149	1.3	12	361.111	1.5	0
HC04-20	CC_AES12hour_100year	PWOPRMHS0003137	0.56	12	169.697	2.4	0
HC04-21	CC_AES12hour_100year	PWOPRMHS0003136	0.15	17.2	75	1.2	0
HC04-22	CC_AES12hour_100year	PWOPRMHS0001686	0.23	19.2	104.545	0.8	0
HC04-23	CC_AES12hour_100year	PWOPRMHS0002046	0.56	17.6	329.412	2.4	0
HC04-24	CC_AES12hour_100year	PWOPRMHS0001686	0.13	14.4	40.625	5	0
HC04-25	CC_AES12hour_100year	PWOPRMHS0001682	0.78	13.6	236.364	1.5	0
HC04-26	CC_AES12hour_100year	PWOPRMHS0001689	0.74	12.8	194.737	0.1	0
HC04-27	CC_AES12hour_100year	PWOPRMHS0001705	0.36	10.8	109.091	1.4	0
HC04-28	CC_AES12hour_100year	PWOPRMHS0001705	0.73	15.2	192.105	1.4	0
HC04-29	CC_AES12hour_100year	PWOPRMHS0001706	3.62	13.6	1096.97	1.1	0
HC04-30	CC_AES12hour_100year	PWOPRMHS0001678	1.94	14	554.286	1.5	0
HC04-31	CC_AES12hour_100year	PWOPRMHS0001677	0.48	28	200	0.6	0
HC04-32	CC_AES12hour_100year	PWOPRMHS0001676	0.34	15.2	97.143	0.8	0
HC04-33	CC_AES12hour_100year	PWOPRMHS0001713	1.13	13.6	452	0.7	0
HC04-34	CC_AES12hour_100year	37	1.55	5.6	620	0.6	0
HC04-35	CC_AES12hour_100year	PWOPRMHS0001688	0.49	13.6	122.5	1.2	0
HC04-36	CC_AES12hour_100year	PWOPRMHS0002050	2.93	32.5	1085.185	2.4	0
HC05-01	CC_AES12hour_100year	PWOPRMHS0005188	5.99	12	1711.429	3.8	0
HC05-02	CC_AES12hour_100year	PWOPRMHS0005196	3.23	12.4	769.048	3.2	0
HC05-03	CC_AES12hour_100year	PWOPRMHS0005183	0.11	76	110	2.7	0
HC05-04	CC_AES12hour_100year	PWOPRMHS0005181	0.49	11.2	175	1.1	0
HC05-05	CC_AES12hour_100year	PWOPRMHS0005179	0.92	15	224.39	0.5	0
HC05-06	CC_AES12hour_100year	PWOPRMHS0005223	0.42	16.8	140	1.6	0
HC05-07	CC_AES12hour_100year	PWOPRMHS0005226	0.73	13.2	208.571	1.4	0
HC05-08	CC_AES12hour_100year	PWOPRMHS0005231	2.2	13.6	628.571	0.9	0
HC05-09	CC_AES12hour_100year	PWOPRMHS0005229	0.27	13.2	108	0.1	0
HC05-10	CC_AES12hour_100year	PWOPRMHS0005230	0.35	17.6	250	1.4	0
HC05-11	CC_AES12hour_100year	24	3.17	5.2	1509.524	1.5	0
HC06-01	CC_AES12hour_100year	PWOPRMHS0005009	0.32	15.2	160	0.5	0
HC06-02	CC_AES12hour_100year	PWOPRMHS0005008	0.65	14.8	216.667	0.3	0

HC06-03	CC_AES12hour_100year	PWOPRMHS0005012	1.49	0	175.294	0.6	0
HC06-04	CC_AES12hour_100year	PWOPRMHS0005011	1.11	0.4	584.211	0.1	0
HC06-05	CC_AES12hour_100year	PWOPRMHS0004137	0.35	10.8	109.375	1.1	0
HC06-06	CC_AES12hour_100year	PWOPRMHS0004135	1.57	12.8	402.564	2.7	0
HC06-07	CC_AES12hour_100year	PWOPRMHS0004133	0.4	11.2	117.647	5.9	0
HC06-08	CC_AES12hour_100year	PWOPRMHS0004201	4.15	14.4	1383.333	2.9	0
HC06-09	CC_AES12hour_100year	PWOPRMHS0004159	2.61	13	1044	3.2	0
HC06-10	CC_AES12hour_100year	PWOPRMHS0004129	2.4	12.8	705.882	2.9	0
HC06-11	CC_AES12hour_100year	PWOPRMHS0004130	0.22	17.6	157.143	0.6	0
HC06-12	CC_AES12hour_100year	PWOPRMHS0004131	0.2	24.8	133.333	0.7	0
HC06-13	CC_AES12hour_100year	PWOPRMHS0004132	0.28	51.2	93.333	3.7	0
HC06-14	CC_AES12hour_100year	PWOPRMHS0004143	1.81	23	786.957	0.4	0
HC06-15	CC_AES12hour_100year	PWOPRMHS0005178	0.12	80	120	0.3	0
HC06-16	CC_AES12hour_100year	PWOPRMHS0004142	0.28	67	121.739	1.1	0
HC06-17	CC_AES12hour_100year	PWOPRMHS0004142	1.54	22	550	0.4	0
HC06-18	CC_AES12hour_100year	PWOPRMHS0005001	2.66	55.4	1209.091	0.4	0
HC06-19	CC_AES12hour_100year	PWOPRMHS0004999	0.03	80	30	2.5	0
HC06-20	CC_AES12hour_100year	PWOPRMHS0005000	0.21	80	210	0.4	0
HC06-21	CC_AES12hour_100year	PWOPRMHS0001598	1.27	67	317.5	0.1	0
HC06-22	CC_AES12hour_100year	PWOPRMHS0004998	0.06	80	60	1.6	0
HC06-23	CC_AES12hour_100year	PWOPRMHS0001601	1.5	70	357.143	0.4	0
HC06-24	CC_AES12hour_100year	PWOPRMHS0001602	0.12	80	120	0.9	0
HC06-25	CC_AES12hour_100year	PWOPRMHS0001600	3.35	17.6	1046.875	3.8	0
HC06-26	CC_AES12hour_100year	PWOPRMHS0001605	2.64	25.6	880	0.5	0
HC06-27	CC_AES12hour_100year	PWOPRMHS0001603	0.16	76	160	0.6	0
HC06-28	CC_AES12hour_100year	PWOPRMHS0001604	0.2	80	50	0.5	0
HC06-29	CC_AES12hour_100year	PWOPRMHS0001606	1.24	8	364.706	0.6	0
HC06-30	CC_AES12hour_100year	PWOPRMHS0001670	0.33	48	100	1.5	0
HC06-31	CC_AES12hour_100year	42	1.81	1.6	754.167	1.8	0
HC06-32	CC_AES12hour_100year	PWOPRMHS0005003	1.35	5.2	421.875	0.4	0
HC07-01	CC_AES12hour_100year	PWOPRMHS0001697	3.02	17.2	915.152	0.2	0
HC07-02	CC_AES12hour_100year	PWOPRMHS0001733	1.15	18.8	396.552	0.5	0
HC07-03	CC_AES12hour_100year	PWOPRMHS0001736	0.37	15.2	246.667	0.6	0
HC07-04	CC_AES12hour_100year	PWOPRMHS0001878	0.34	11.6	100	0.8	0
HC07-05	CC_AES12hour_100year	PWOPRMHS0001614	0.29	15.2	85.294	0.1	0
HC07-06	CC_AES12hour_100year	PWOPRMHS0001881	2.06	14	515	0.3	0
HC07-07	CC_AES12hour_100year	PWOPRMHS0001643	0.38	14	95	1	0
HC07-08	CC_AES12hour_100year	PWOPRMHS0001642	0.19	57.6	47.5	0.1	0
HC07-09	CC_AES12hour_100year	PWOPRMHS0001611	0.25	17.6	92.593	3.3	0
HC08-01	CC_AES12hour_100year	PWOPRMHS0005908	0.69	17.2	222.581	0.7	0
HC08-02	CC_AES12hour_100year	PWOPRMHS0005909	2.32	18.8	644.444	0.5	0

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HC08-03          CC_AES12hour_100year PWOPRMHS0005924 2     15.2     588.235  0.4      0
HC08-04          CC_AES12hour_100year PWOPRMHS0005926 0.69  11.6     143.75   0.6      0
HC08-05          CC_AES12hour_100year PWOPRMHS0005927 0.65  15.2     191.176  1.1      0
HC08-06          CC_AES12hour_100year PWOPRMHS0005932 1.18  14       310.526  1        0
HC08-07          CC_AES12hour_100year PWOPRMHS0005944 0.55  14       134.146  1.4      0
HC08-08          CC_AES12hour_100year PWOPRMHS0005931 0.41  57.6     215.789  0.4      0
HC08-09          CC_AES12hour_100year PWOPRMHS0005946 1.78  17.6     508.571  0.5      0
HC08-10          CC_AES12hour_100year PWOPRMHS0005930 1.32  1.6      660      1.4      0
HC09-01          CC_AES12hour_100year PWOPRMHS0001390 0.95  20       237.5    0.3      0
HC09-02          CC_AES12hour_100year PWOPRMHS0001392 1.03  14       302.941  1        0
HC09-03          CC_AES12hour_100year PWOPRMHS0001402 0.97  15.2     269.444  0.6      0
HC09-04          CC_AES12hour_100year PWOPRMHS0001395 2.54  11.2     819.355  0.9      0
HC09-05          CC_AES12hour_100year PWOPRMHS0001398 2.6   12.4     702.703  1.3      0
HC09-06          CC_AES12hour_100year PWOPRMHS0001401 1.23  12       476.744  0.7      0
HC09-07          CC_AES12hour_100year 36           0.48     8        266.667  0.3      0
HC10-01          CC_AES12hour_100year PWOPRMHS0001408 4.47  12.3     1064.286 1.7      0
HC10-02          CC_AES12hour_100year PWOPRMHS0001467 2.53  28.3     527.083  1.3      0
HC10-03          CC_AES12hour_100year PWOPRMHS0001393 1.86  26.9     422.727  0.4      0
HC10-04          CC_AES12hour_100year PWOPRMHS0001424 1.84  15.5     418.182  2.8      0
HC10-05          CC_AES12hour_100year PWOPRMHS0001389 2.41  14.2     535.556  0.5      0
HC10-06          CC_AES12hour_100year PWOPRMHS0001388 1.33  12.4     369.444  0.6      0
HC10-07          CC_AES12hour_100year PWOPRMHS0001429 1.71  16.5     488.571  1.2      0
HC10-08          CC_AES12hour_100year PWOPRMHS0001371 1.19  14.9     476      3.7      0
HC10-09          CC_AES12hour_100year MHEasement2  1.39     12.2     315.909  1.1      0
HC10-10          CC_AES12hour_100year PWOPRMHS0001423 0.28  14.9     93.333   1.9      0
HC10-11          CC_AES12hour_100year PWOPRMHS0001422 0.27  19.5     158.824  2.1      0
HC10-12          CC_AES12hour_100year 50           0.9      2.4      428.571  0.7      0
HC10-13          CC_AES12hour_100year MHEasement1  0.59     16       131.111  0.8      0
HC10-14          CC_AES12hour_100year PWOPRMHS0001374 0.46  16.3     115      2.1      0
HC10-15          CC_AES12hour_100year PWOPRMHS0001420 0.4   16.5     160      1.6      0

[SUBAREAS]
;;Subcatchment   N-Imperv   N-Perv     S-Imperv   S-Perv     PctZero    RouteTo    PctRouted
;;-------------- ---------- ---------- ---------- ---------- ---------- ---------- ----------
A1               0.013      0.35       1          7          25         OUTLET
A1.1             0.013      0.2        1          5          25         OUTLET
A1.1_FRST        0.013      0.2        1          5          25         OUTLET
A2               0.013      0.35       1          7          25         OUTLET
A2.1             0.013      0.2        1          5          25         OUTLET
A2.1_FRST        0.013      0.2        1          5          25         OUTLET
A2.2             0.013      0.2        1          5          25         OUTLET
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A2.2_FRST	0.013	0.2	1	5	25	OUTLET
A3	0.013	0.35	1	7	25	OUTLET
A3.1	0.013	0.2	1	5	25	OUTLET
A3.1_FRST	0.013	0.2	1	5	25	OUTLET
A3.2	0.013	0.2	1	5	25	OUTLET
A3.2_FRST	0.013	0.2	1	5	25	OUTLET
A3.3	0.013	0.2	1	5	25	OUTLET
A3.3_FRST	0.013	0.2	1	5	25	OUTLET
A4	0.013	0.35	1	7	25	OUTLET
A4.1	0.013	0.2	1	5	25	OUTLET
A4.1_FRST	0.013	0.2	1	5	25	OUTLET
A4.2	0.013	0.2	1	5	25	OUTLET
A4.2_FRST	0.013	0.2	1	5	25	OUTLET
A4.3	0.013	0.2	1	5	25	OUTLET
A4.3_FRST	0.013	0.2	1	5	25	OUTLET
A4.4_FRST	0.013	0.2	1	5	25	OUTLET
A4.5	0.013	0.2	1	5	25	OUTLET
A4.5_FRST	0.013	0.2	1	5	25	OUTLET
A4.6	0.013	0.2	1	5	25	OUTLET
A4.6_FRST	0.013	0.2	1	5	25	OUTLET
B1	0.013	0.35	1	7	25	OUTLET
B1.1	0.013	0.2	1	5	25	OUTLET
B1.1_FRST	0.013	0.2	1	5	25	OUTLET
B2	0.013	0.35	1	7	25	OUTLET
B2.1	0.013	0.2	1	5	25	OUTLET
B2.1_FRST	0.013	0.2	1	5	25	OUTLET
C1	0.013	0.35	1	7	25	OUTLET
C1.1	0.013	0.2	1	5	25	OUTLET
C1.1_FRST	0.013	0.2	1	5	25	OUTLET
D1	0.013	0.35	1	7	25	OUTLET
D1.1	0.013	0.2	1	5	25	OUTLET
D1.1_FRST	0.013	0.2	1	5	25	OUTLET
D2	0.013	0.35	1	7	25	OUTLET
D2.1	0.013	0.2	1	5	25	OUTLET
D2.1_FRST	0.013	0.2	1	5	25	OUTLET
D3	0.013	0.35	1	7	25	OUTLET
D3.1	0.013	0.2	1	5	25	OUTLET
D4	0.013	0.35	1	7	25	OUTLET
D4.1	0.013	0.2	1	5	25	OUTLET
D4.1_FRST	0.013	0.2	1	5	25	OUTLET
E1	0.013	0.35	1	7	25	OUTLET

E1.1	0.013	0.2	1	5	25	OUTLET
E1.1_FRST	0.013	0.2	1	5	25	OUTLET
E2	0.013	0.35	1	7	25	OUTLET
E2.1	0.013	0.2	1	5	25	OUTLET
E2.1_FRST	0.013	0.2	1	5	25	OUTLET
E3	0.013	0.35	1	7	25	OUTLET
E3.1	0.013	0.2	1	5	25	OUTLET
E3.1_FRST	0.013	0.2	1	5	25	OUTLET
HC01-01	0.013	0.2	1	5	25	OUTLET
HC01-02	0.013	0.2	1	5	25	OUTLET
HC01-03	0.013	0.2	1	5	25	OUTLET
HC01-04	0.013	0.2	1	5	25	OUTLET
HC01-05	0.013	0.2	1	5	25	OUTLET
HC01-06	0.013	0.2	1	5	25	OUTLET
HC01-07	0.013	0.2	1	5	25	OUTLET
HC01-08	0.013	0.2	1	5	25	OUTLET
HC01-09	0.013	0.2	1	5	25	OUTLET
HC01-10	0.013	0.2	1	5	25	OUTLET
HC01-11	0.013	0.2	1	5	25	OUTLET
HC01-12	0.013	0.2	1	5	25	OUTLET
HC02-01	0.013	0.2	1	5	25	OUTLET
HC02-02	0.013	0.2	1	5	25	OUTLET
HC02-03	0.013	0.2	1	5	25	OUTLET
HC02-04	0.013	0.2	1	5	25	OUTLET
HC02-05	0.013	0.2	1	5	25	OUTLET
HC02-06	0.013	0.2	1	5	25	OUTLET
HC02-07	0.013	0.2	1	5	25	OUTLET
HC02-08	0.013	0.2	1	5	25	OUTLET
HC02-09	0.013	0.2	1	5	25	OUTLET
HC02-10	0.013	0.2	1	5	25	OUTLET
HC02-11	0.013	0.2	1	5	25	OUTLET
HC02-12	0.013	0.2	1	5	25	OUTLET
HC02-13	0.013	0.2	1	5	25	OUTLET
HC02-14	0.013	0.2	1	5	25	OUTLET
HC02-15	0.013	0.2	1	5	25	OUTLET
HC02-16	0.013	0.2	1	5	25	OUTLET
HC02-17	0.013	0.2	1	5	25	OUTLET
HC02-18	0.013	0.2	1	5	25	OUTLET
HC02-19	0.013	0.2	1	5	25	OUTLET
HC02-20	0.013	0.2	1	5	25	OUTLET
HC02-21	0.013	0.2	1	5	25	OUTLET

HC02-22	0.013	0.2	1	5	25	OUTLET
HC02-23	0.013	0.2	1	5	25	OUTLET
HC02-24	0.013	0.2	1	5	25	OUTLET
HC02-25	0.013	0.2	1	5	25	OUTLET
HC02-26	0.013	0.2	1	5	25	OUTLET
HC02-27	0.013	0.2	1	5	25	OUTLET
HC02-28	0.013	0.2	1	5	25	OUTLET
HC02-29	0.013	0.2	1	5	25	OUTLET
HC02-30	0.013	0.2	1	5	25	OUTLET
HC02-31	0.013	0.2	1	5	25	OUTLET
HC02-32	0.013	0.2	1	5	25	OUTLET
HC02-33	0.013	0.2	1	5	25	OUTLET
HC02-34	0.013	0.2	1	5	25	OUTLET
HC02-35	0.013	0.2	1	5	25	OUTLET
HC02-36	0.013	0.2	1	5	25	OUTLET
HC02-37	0.013	0.2	1	5	25	OUTLET
HC02-38	0.013	0.2	1	5	25	OUTLET
HC02-39	0.013	0.2	1	5	25	OUTLET
HC03-01	0.013	0.2	1	5	25	OUTLET
HC03-02	0.013	0.2	1	5	25	OUTLET
HC03-03	0.013	0.2	1	5	25	OUTLET
HC03-04	0.013	0.2	1	5	25	OUTLET
HC03-05	0.013	0.2	1	5	25	OUTLET
HC03-06	0.013	0.2	1	5	25	OUTLET
HC03-07	0.013	0.2	1	5	25	OUTLET
HC03-08	0.013	0.2	1	5	25	OUTLET
HC03-09	0.013	0.2	1	5	25	OUTLET
HC03-10	0.013	0.2	1	5	25	OUTLET
HC03-11	0.013	0.2	1	5	25	OUTLET
HC03-12	0.013	0.2	1	5	25	OUTLET
HC03-13	0.013	0.2	1	5	25	OUTLET
HC03-14	0.013	0.2	1	5	25	OUTLET
HC03-15	0.013	0.2	1	5	25	OUTLET
HC03-16	0.013	0.2	1	5	25	OUTLET
HC03-17	0.013	0.2	1	5	25	OUTLET
HC03-18	0.013	0.2	1	5	25	OUTLET
HC03-19	0.013	0.2	1	5	25	OUTLET
HC03-20	0.013	0.2	1	5	25	OUTLET
HC04-01	0.013	0.2	1	5	25	OUTLET
HC04-02	0.013	0.2	1	5	25	OUTLET
HC04-03	0.013	0.2	1	5	25	OUTLET

HC04-04	0.013	0.2	1	5	25	OUTLET
HC04-05	0.013	0.2	1	5	25	OUTLET
HC04-06	0.013	0.2	1	5	25	OUTLET
HC04-07	0.013	0.2	1	5	25	OUTLET
HC04-08	0.013	0.2	1	5	25	OUTLET
HC04-09	0.013	0.2	1	5	25	OUTLET
HC04-10	0.013	0.2	1	5	25	OUTLET
HC04-11	0.013	0.2	1	5	25	OUTLET
HC04-12	0.013	0.2	1	5	25	OUTLET
HC04-13	0.013	0.2	1	5	25	OUTLET
HC04-14	0.013	0.2	1	5	25	OUTLET
HC04-15	0.013	0.2	1	5	25	OUTLET
HC04-16	0.013	0.2	1	5	25	OUTLET
HC04-17	0.013	0.2	1	5	25	OUTLET
HC04-18	0.013	0.2	1	5	25	OUTLET
HC04-19	0.013	0.2	1	5	25	OUTLET
HC04-20	0.013	0.2	1	5	25	OUTLET
HC04-21	0.013	0.2	1	5	25	OUTLET
HC04-22	0.013	0.2	1	5	25	OUTLET
HC04-23	0.013	0.2	1	5	25	OUTLET
HC04-24	0.013	0.2	1	5	25	OUTLET
HC04-25	0.013	0.2	1	5	25	OUTLET
HC04-26	0.013	0.2	1	5	25	OUTLET
HC04-27	0.013	0.2	1	5	25	OUTLET
HC04-28	0.013	0.2	1	5	25	OUTLET
HC04-29	0.013	0.2	1	5	25	OUTLET
HC04-30	0.013	0.2	1	5	25	OUTLET
HC04-31	0.013	0.2	1	5	25	OUTLET
HC04-32	0.013	0.2	1	5	25	OUTLET
HC04-33	0.013	0.2	1	5	25	OUTLET
HC04-34	0.013	0.2	1	5	25	OUTLET
HC04-35	0.013	0.2	1	5	25	OUTLET
HC04-36	0.013	0.2	1	5	25	OUTLET
HC05-01	0.013	0.2	1	5	25	OUTLET
HC05-02	0.013	0.2	1	5	25	OUTLET
HC05-03	0.013	0.2	1	5	25	OUTLET
HC05-04	0.013	0.2	1	5	25	OUTLET
HC05-05	0.013	0.2	1	5	25	OUTLET
HC05-06	0.013	0.2	1	5	25	OUTLET
HC05-07	0.013	0.2	1	5	25	OUTLET
HC05-08	0.013	0.2	1	5	25	OUTLET

HC05-09	0.013	0.2	1	5	25	OUTLET
HC05-10	0.013	0.2	1	5	25	OUTLET
HC05-11	0.013	0.2	1	5	25	OUTLET
HC06-01	0.013	0.2	1	5	25	OUTLET
HC06-02	0.013	0.2	1	5	25	OUTLET
HC06-03	0.013	0.2	1	5	25	OUTLET
HC06-04	0.013	0.2	1	5	25	OUTLET
HC06-05	0.013	0.2	1	5	25	OUTLET
HC06-06	0.013	0.2	1	5	25	OUTLET
HC06-07	0.013	0.2	1	5	25	OUTLET
HC06-08	0.013	0.2	1	5	25	OUTLET
HC06-09	0.013	0.2	1	5	25	OUTLET
HC06-10	0.013	0.2	1	5	25	OUTLET
HC06-11	0.013	0.2	1	5	25	OUTLET
HC06-12	0.013	0.2	1	5	25	OUTLET
HC06-13	0.013	0.2	1	5	25	OUTLET
HC06-14	0.013	0.2	1	5	25	OUTLET
HC06-15	0.013	0.2	1	5	25	OUTLET
HC06-16	0.013	0.2	1	5	25	OUTLET
HC06-17	0.013	0.2	1	5	25	OUTLET
HC06-18	0.013	0.2	1	5	25	OUTLET
HC06-19	0.013	0.2	1	5	25	OUTLET
HC06-20	0.013	0.2	1	5	25	OUTLET
HC06-21	0.013	0.2	1	5	25	OUTLET
HC06-22	0.013	0.2	1	5	25	OUTLET
HC06-23	0.013	0.2	1	5	25	OUTLET
HC06-24	0.013	0.2	1	5	25	OUTLET
HC06-25	0.013	0.2	1	5	25	OUTLET
HC06-26	0.013	0.2	1	5	25	OUTLET
HC06-27	0.013	0.2	1	5	25	OUTLET
HC06-28	0.013	0.2	1	5	25	OUTLET
HC06-29	0.013	0.2	1	5	25	OUTLET
HC06-30	0.013	0.2	1	5	25	OUTLET
HC06-31	0.013	0.2	1	5	25	OUTLET
HC06-32	0.013	0.2	1	5	25	OUTLET
HC07-01	0.013	0.2	1	5	25	OUTLET
HC07-02	0.013	0.2	1	5	25	OUTLET
HC07-03	0.013	0.2	1	5	25	OUTLET
HC07-04	0.013	0.2	1	5	25	OUTLET
HC07-05	0.013	0.2	1	5	25	OUTLET
HC07-06	0.013	0.2	1	5	25	OUTLET

```
HC07-07          0.013      0.2        1          5          25         OUTLET
HC07-08          0.013      0.2        1          5          25         OUTLET
HC07-09          0.013      0.2        1          5          25         OUTLET
HC08-01          0.013      0.2        1          5          25         OUTLET
HC08-02          0.013      0.2        1          5          25         OUTLET
HC08-03          0.013      0.2        1          5          25         OUTLET
HC08-04          0.013      0.2        1          5          25         OUTLET
HC08-05          0.013      0.2        1          5          25         OUTLET
HC08-06          0.013      0.2        1          5          25         OUTLET
HC08-07          0.013      0.2        1          5          25         OUTLET
HC08-08          0.013      0.2        1          5          25         OUTLET
HC08-09          0.013      0.2        1          5          25         OUTLET
HC08-10          0.013      0.2        1          5          25         OUTLET
HC09-01          0.013      0.2        1          5          25         OUTLET
HC09-02          0.013      0.2        1          5          25         OUTLET
HC09-03          0.013      0.2        1          5          25         OUTLET
HC09-04          0.013      0.2        1          5          25         OUTLET
HC09-05          0.013      0.2        1          5          25         OUTLET
HC09-06          0.013      0.2        1          5          25         OUTLET
HC09-07          0.013      0.2        1          5          25         OUTLET
HC10-01          0.013      0.2        1          5          25         OUTLET
HC10-02          0.013      0.2        1          5          25         OUTLET
HC10-03          0.013      0.2        1          5          25         OUTLET
HC10-04          0.013      0.2        1          5          25         OUTLET
HC10-05          0.013      0.2        1          5          25         OUTLET
HC10-06          0.013      0.2        1          5          25         OUTLET
HC10-07          0.013      0.2        1          5          25         OUTLET
HC10-08          0.013      0.2        1          5          25         OUTLET
HC10-09          0.013      0.2        1          5          25         OUTLET
HC10-10          0.013      0.2        1          5          25         OUTLET
HC10-11          0.013      0.2        1          5          25         OUTLET
HC10-12          0.013      0.2        1          5          25         OUTLET
HC10-13          0.013      0.2        1          5          25         OUTLET
HC10-14          0.013      0.2        1          5          25         OUTLET
HC10-15          0.013      0.2        1          5          25         OUTLET

[INFILTRATION]
;;Subcatchment   Suction    HydCon     IMDmax
;;-------------- ---------- ---------- ----------
A1               166        5          0.2
A1.1             248        2          0.2
```

A1.1_FRST	227	3	0.2
A2	192	5	0.2
A2.1	238	4	0.2
A2.1_FRST	235	5	0.2
A2.2	244	3	0.2
A2.2_FRST	229	5	0.2
A3	157	8	0.2
A3.1	250	2	0.2
A3.1_FRST	238	5	0.2
A3.2	242	3	0.2
A3.2_FRST	193	7	0.2
A3.3	249	2	0.2
A3.3_FRST	179	8	0.2
A4	156	6	0.2
A4.1	247	2	0.2
A4.1_FRST	210	6	0.2
A4.2	250	2	0.2
A4.2_FRST	220	4	0.2
A4.3	243	3	0.2
A4.3_FRST	154	9	0.2
A4.4_FRST	144	10	0.2
A4.5	245	2	0.2
A4.5_FRST	233	3	0.2
A4.6	193	7	0.2
A4.6_FRST	152	9	0.2
B1	250	2	0.2
B1.1	250	2	0.2
B1.1_FRST	250	2	0.2
B2	250	2	0.2
B2.1	250	2	0.2
B2.1_FRST	250	2	0.2
C1	147	5	0.2
C1.1	236	3	0.2
C1.1_FRST	151	5	0.2
D1	145	7	0.2
D1.1	147	10	0.2
D1.1_FRST	146	7	0.2
D2	146	6	0.2
D2.1	155	9	0.2
D2.1_FRST	145	8	0.2
D3	172	5	0.2

D3.1	160	9	0.2
D4	145	7	0.2
D4.1	172	8	0.2
D4.1_FRST	150	8	0.2
E1	213	5	0.2
E1.1	188	5	0.2
E1.1_FRST	166	7	0.2
E2	233	3	0.2
E2.1	250	2	0.2
E2.1_FRST	241	3	0.2
E3	170	9	0.2
E3.1	217	5	0.2
E3.1_FRST	201	6	0.2
HC01-01	237	4.6	0.2
HC01-02	237	4.5	0.2
HC01-03	237	4.5	0.2
HC01-04	237	4.7	0.2
HC01-05	237	4.5	0.2
HC01-06	237	4.5	0.2
HC01-07	237	4.5	0.2
HC01-08	237	4.5	0.2
HC01-09	237	4.5	0.2
HC01-10	237	4.5	0.2
HC01-11	237	4.5	0.2
HC01-12	146	4.5	0.2
HC02-01	237	4.4	0.2
HC02-02	237	3.9	0.2
HC02-03	237	4.1	0.2
HC02-04	237	4.3	0.2
HC02-05	237	4.4	0.2
HC02-06	237	4.4	0.2
HC02-07	237	4.5	0.2
HC02-08	237	4.6	0.2
HC02-09	237	4.5	0.2
HC02-10	237	4.6	0.2
HC02-11	237	4.5	0.2
HC02-12	237	4.6	0.2
HC02-13	237	4.6	0.2
HC02-14	237	4.6	0.2
HC02-15	237	4.5	0.2
HC02-16	144	9.7	0.2

HC02-17	146	4.5	0.2
HC02-18	144	9.7	0.2
HC02-19	144	9.6	0.2
HC02-20	237	4.3	0.2
HC02-21	237	4.5	0.2
HC02-22	237	4.5	0.2
HC02-23	237	4.1	0.2
HC02-24	237	3.6	0.2
HC02-25	237	4	0.2
HC02-26	237	3.8	0.2
HC02-27	144	9.6	0.2
HC02-28	144	9.6	0.2
HC02-29	144	9.3	0.2
HC02-30	144	10.4	0.2
HC02-31	144	9.5	0.2
HC02-32	144	9.6	0.2
HC02-33	144	9.5	0.2
HC02-34	144	9.3	0.2
HC02-35	144	10.3	0.2
HC02-36	144	10	0.2
HC02-37	144	10	0.2
HC02-38	237	4.5	0.2
HC02-39	237	4.6	0.2
HC03-01	237	3.7	0.2
HC03-02	237	4.4	0.2
HC03-03	237	4.4	0.2
HC03-04	237	4.4	0.2
HC03-05	237	4.2	0.2
HC03-06	237	4.5	0.2
HC03-07	237	4.4	0.2
HC03-08	144	9.9	0.2
HC03-09	144	10	0.2
HC03-10	144	9.9	0.2
HC03-11	144	9.9	0.2
HC03-12	144	9.7	0.2
HC03-13	144	9.5	0.2
HC03-14	144	7.6	0.2
HC03-15	144	9.7	0.2
HC03-16	144	9.5	0.2
HC03-17	237	4.2	0.2
HC03-18	237	3.6	0.2

HC03-19	237	4.7	0.2
HC03-20	237	4.7	0.2
HC04-01	146	4.6	0.2
HC04-02	144	10	0.2
HC04-03	144	10	0.2
HC04-04	146	4.6	0.2
HC04-05	144	9.8	0.2
HC04-06	144	9.8	0.2
HC04-07	144	9.1	0.2
HC04-08	144	9.9	0.2
HC04-09	144	9.8	0.2
HC04-10	144	9.8	0.2
HC04-11	144	10.2	0.2
HC04-12	144	9.8	0.2
HC04-13	144	9.5	0.2
HC04-14	237	4.5	0.2
HC04-15	237	4.5	0.2
HC04-16	237	4.4	0.2
HC04-17	237	4.5	0.2
HC04-18	237	4.5	0.2
HC04-19	237	4.6	0.2
HC04-20	237	4.6	0.2
HC04-21	237	4.5	0.2
HC04-22	237	4.5	0.2
HC04-23	237	4.6	0.2
HC04-24	237	4.5	0.2
HC04-25	146	4.5	0.2
HC04-26	144	9.8	0.2
HC04-27	237	4.6	0.2
HC04-28	144	9.5	0.2
HC04-29	146	4.5	0.2
HC04-30	146	4.5	0.2
HC04-31	144	9.4	0.2
HC04-32	144	9.5	0.2
HC04-33	144	9.7	0.2
HC04-34	144	10	0.2
HC04-35	144	9.7	0.2
HC04-36	146	4.3	0.2
HC05-01	146	4.6	0.2
HC05-02	146	4.6	0.2
HC05-03	144	5	0.2

HC05-04	144	10	0.2
HC05-05	144	9.3	0.2
HC05-06	144	9.7	0.2
HC05-07	144	9.8	0.2
HC05-08	144	9.7	0.2
HC05-09	144	9.8	0.2
HC05-10	144	9.6	0.2
HC05-11	144	10	0.2
HC06-01	237	4.4	0.2
HC06-02	237	4.4	0.2
HC06-03	237	4.8	0.2
HC06-04	237	4.8	0.2
HC06-05	237	4.5	0.2
HC06-06	237	4.5	0.2
HC06-07	146	4.5	0.2
HC06-08	237	4.5	0.2
HC06-09	237	4.5	0.2
HC06-10	237	4.5	0.2
HC06-11	146	4.4	0.2
HC06-12	146	4.4	0.2
HC06-13	144	8.2	0.2
HC06-14	144	7.8	0.2
HC06-15	144	3.5	0.2
HC06-16	144	5.9	0.2
HC06-17	144	8	0.2
HC06-18	144	8	0.2
HC06-19	144	3.5	0.2
HC06-20	144	3.5	0.2
HC06-21	144	6.6	0.2
HC06-22	144	3.5	0.2
HC06-23	144	6.2	0.2
HC06-24	144	3.5	0.2
HC06-25	146	4.4	0.2
HC06-26	144	9.7	0.2
HC06-27	144	5	0.2
HC06-28	144	3.5	0.2
HC06-29	146	4.7	0.2
HC06-30	146	4.2	0.2
HC06-31	144	10.3	0.2
HC06-32	144	10	0.2
HC07-01	144	9.7	0.2

HC07-02	144	9.8	0.2
HC07-03	144	9.6	0.2
HC07-04	144	9.7	0.2
HC07-05	144	9.8	0.2
HC07-06	144	9.7	0.2
HC07-07	144	9.8	0.2
HC07-08	144	9.6	0.2
HC07-09	144	10.3	0.2
HC08-01	146	4.5	0.2
HC08-02	146	4.4	0.2
HC08-03	144	9.5	0.2
HC08-04	146	4.6	0.2
HC08-05	146	4.3	0.2
HC08-06	146	4.5	0.2
HC08-07	146	4.5	0.2
HC08-08	146	3.7	0.2
HC08-09	146	4.2	0.2
HC08-10	146	4.7	0.2
HC09-01	144	10.1	0.2
HC09-02	144	10.2	0.2
HC09-03	144	9.9	0.2
HC09-04	144	10	0.2
HC09-05	144	9.9	0.2
HC09-06	144	9.9	0.2
HC09-07	144	9.7	0.2
HC10-01	144	10.1	0.2
HC10-02	144	9.4	0.2
HC10-03	144	9.6	0.2
HC10-04	144	9.9	0.2
HC10-05	144	10	0.2
HC10-06	144	9.9	0.2
HC10-07	144	9.9	0.2
HC10-08	144	10	0.2
HC10-09	144	9.9	0.2
HC10-10	144	10	0.2
HC10-11	144	9.8	0.2
HC10-12	144	10.3	0.2
HC10-13	144	9.9	0.2
HC10-14	144	9.9	0.2
HC10-15	144	9.9	0.2

```
[JUNCTIONS]
;;                Invert     Max.       Init.      Surcharge  Ponded
;;Name            Elev.      Depth      Depth      Depth      Area
;;--------------- ---------- ---------- ---------- ---------- ----------
1                 332.644    3          0          0          0
11                316.607    3          0          0          0
12                315.5      3          0          0          0
;07
13                314.5      3          0          0          0
14                331.1      3          0          0          0
15                313.95     3          0          0          0
17                312        3          0          0          0
;02
18                322.5      3          0          0          0
19                323.5      3          0          0          0
2                 324        3          0          0          0
20                330.1      0          0          0          0
;05
21                321.1      3          0          0          0
;03
22                321.5      3          0          0          0
24                320.5      3          0          0          0
25                321.103    3          0          0          0
26                327.931    3          0          0          0
27                326.5      3          0          0          0
28                326.1      3          0          0          0
29                323.893    3          0          0          0
3                 330.57     3          0          0          0
30                320.5      3          0          0          0
;06
31                320.148    3          0          0          0
32                319        3          0          0          0
34                317.868    3          0          0          0
35                317.5      3          0          0          0
36                315.5      3          0          0          0
37                324.1      3          0          0          0
39                321.3      3          0          0          0
4                 325        3          0          0          0
40                319.1      3          0          0          0
42                322.1      3          0          0          0
48                324.6      3          0          0          0
```

```
49                321.6      3          0          0          0
;01
5                 329.5      3          0          0          0
50                318.1      3          0          0          0
53                314.1      3          0          0          0
54                313.925    3          0          0          0
;08
56                301.1      3          0          0          0
6                 329        3          0          0          0
7                 318.1      3          0          0          0
8                 320.964    3          0          0          0
;04
9                 320.404    3          0          0          0
;NA
MHEasement1       319.07     3.83       0          0          0
;NA
MHEasement2       318.7      2          0          0          0
;Represents direct connection point of servicing from public school
;Rim elevation approximated by neighbouring MH values and contours
MHSchool          328.55     3.18       0          0.3        0
;NA
MHSWM4            319.25     4.3        0          0.3        0
;NA
PWOPRMHS0001369   319.39     2.49       0          0.3        0
;NA
PWOPRMHS0001370   319.27     3.33       0          0.3        0
;NA
PWOPRMHS0001371   319.82     3.07       0          0.3        0
;NA
PWOPRMHS0001372   320.15     3.07       0          0.3        0
;NA
PWOPRMHS0001373   320.02     2.26       0          0.3        0
;NA
PWOPRMHS0001374   319.69     2.9        0          0.3        0
;NA
PWOPRMHS0001375   319.57     2.83       0          0.3        0
;NA
PWOPRMHS0001386   318.61     2.05       0          0.3        0
;NA
PWOPRMHS0001387   318.75     2.27       0          0.3        0
;NA
```

```
PWOPRMHS0001388  318.93     2.35       0          0.3        0
;NA
PWOPRMHS0001389  319.13     2.39       0          0.3        0
;NA
PWOPRMHS0001390  317.49     3.36       0          0.3        0
;NA
PWOPRMHS0001391  317.27     3.16       0          0.3        0
;NA
PWOPRMHS0001392  318.18     2.66       0          0.3        0
;NA
PWOPRMHS0001393  320.19     2.79       0          0.3        0
;NA
PWOPRMHS0001394  316.86     2.8        0          0.3        0
;NA
PWOPRMHS0001395  316.79     2.63       0          0.3        0
;NA
PWOPRMHS0001398  317.27     3.29       0          0.3        0
;NA
PWOPRMHS0001399  317.15     2.87       0          0.3        0
;NA
PWOPRMHS0001400  316.99     2.75       0          0.3        0
;NA
PWOPRMHS0001401  316.67     2.83       0          0.3        0
;NA
PWOPRMHS0001402  316.5      2.78       0          0.3        0
;NA
PWOPRMHS0001403  321.7      3.25       0          0.3        0
;NA
PWOPRMHS0001404  320.54     2.9        0          0.3        0
;NA
PWOPRMHS0001408  320.83     2.96       0          0.3        0
;NA
PWOPRMHS0001409  327.81     2.43       0          0.3        0
;NA
PWOPRMHS0001410  326.47     3.97       0          0.3        0
;NA
PWOPRMHS0001411  327.47     3.16       0          0.3        0
;NA
PWOPRMHS0001412  331.69     3.81       0          0.3        0
;NA
PWOPRMHS0001413  331.74     3.86       0          0.3        0
```

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;NA
PWOPRMHS0001415  319.68     2.59       0          0.3        0
;NA
PWOPRMHS0001416  318.99     4.22       0          0.3        0
;NA
PWOPRMHS0001418  318.73     3.45       0          0.3        0
;NA
PWOPRMHS0001419  319.99     3.16       0          0.3        0
;NA
PWOPRMHS0001420  320.5      3.14       0          0.3        0
;NA
PWOPRMHS0001421  320.94     3.21       0          0.3        0
;NA
PWOPRMHS0001422  320.28     2.33       0          0.3        0
;NA
PWOPRMHS0001423  320.43     2.8        0          0.3        0
;NA
PWOPRMHS0001424  320.96     2.34       0          0.3        0
;NA
PWOPRMHS0001428  323.21     3.02       0          0.3        0
;NA
PWOPRMHS0001429  321.35     3.17       0          0.3        0
;NA
PWOPRMHS0001430  321.23     2.88       0          0.3        0
;NA
PWOPRMHS0001431  323.01     3.1        0          0.3        0
;NA
PWOPRMHS0001433  319.78     3.9        0          0.3        0
;NA
PWOPRMHS0001435  319.64     2.89       0          0.3        0
;NA
PWOPRMHS0001436  318.35     5.33       0          0.3        0
;NA
PWOPRMHS0001437  319.38     3.85       0          0.5        0
;NA
PWOPRMHS0001438  318.2      4.24       0          0.3        0
;NA
PWOPRMHS0001467  320.92     2.97       0          0.3        0
PWOPRMHS0001597  324.78     2.86       0          0.3        0
PWOPRMHS0001598  325.49     2.11       0          0.3        0
PWOPRMHS0001600  324.66     3.3        0          0.3        0
```

```
PWOPRMHS0001601  326.15     2          0          0.3        0
PWOPRMHS0001602  325.98     2          0          0.3        0
PWOPRMHS0001603  324.23     3.25       0          0.3        0
PWOPRMHS0001604  323.95     3.47       0          0.3        0
PWOPRMHS0001605  324.34     3.15       0          0.3        0
PWOPRMHS0001606  323.57     3.36       0          0.3        0
PWOPRMHS0001608  325.67     2.5        0          0.3        0
PWOPRMHS0001610  325.44     2.21       0          0.3        0
;NA
PWOPRMHS0001611  322.87     2.24       0          0.3        0
;NA
PWOPRMHS0001614  322.91     3.09       0          0.3        0
;NA
PWOPRMHS0001622  332.73     2.22       0          0.3        0
;NA
PWOPRMHS0001624  330.92     3.93       0          0.3        0
;NA
PWOPRMHS0001625  330.61     4.33       0          0.3        0
;NA
PWOPRMHS0001626  331        4.4        0          0.3        0
;NA
PWOPRMHS0001634  326.21     3.77       0          0.3        0
;NA
PWOPRMHS0001642  323.27     2.84       0          0.3        0
;NA
PWOPRMHS0001643  323.38     2.83       0          0.3        0
;NA
PWOPRMHS0001649  329.21     4.17       0          0.3        0
;NA
PWOPRMHS0001650  329.57     3.87       0          0.3        0
;NA
PWOPRMHS0001651  330.28     4.11       0          0.3        0
;NA
PWOPRMHS0001652  326.89     2.16       0          0.3        0
;NA
PWOPRMHS0001653  325.24     2.15       0          0.3        0
;NA
PWOPRMHS0001654  324.91     2.39       0          0.3        0
;NA
PWOPRMHS0001655  330        3.56       0          0.3        0
;NA
```

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PWOPRMHS0001657  324.58     2.47       0          0.3        0
;NA
PWOPRMHS0001658  324.92     2.21       0          0.3        0
;NA
PWOPRMHS0001659  325.31     2.46       0          0.3        0
;NA
PWOPRMHS0001660  324.1      2.85       0          0.3        0
;NA
PWOPRMHS0001661B 324.31     2.45       0          0.3        0
;NA
PWOPRMHS0001662  323.95     2.98       0          0.3        0
;NA
PWOPRMHS0001663  324.06     2.66       0          0.3        0
;NA
PWOPRMHS0001664  326.35     2.28       0          0.3        0
PWOPRMHS0001667  323.15     3.08       0          0.3        0
PWOPRMHS0001670  322.92     2          0          0.3        0
PWOPRMHS0001674  325.88     3.53       0          0.3        0
PWOPRMHS0001676  326.33     3.2        0          0.3        0
PWOPRMHS0001677  326.59     3.15       0          0.3        0
;Rim elevation estimated
PWOPRMHS0001678  327.01     2.79       0          0.3        0
PWOPRMHS0001679  335.89     2.66       0          0.3        0
PWOPRMHS0001680  335.06     3.4        0          0.3        0
PWOPRMHS0001682  328.1      3.89       0          0.3        0
PWOPRMHS0001686  328.55     3.6        0          0.3        0
PWOPRMHS0001687  326.4      3.48       0          0.3        0
PWOPRMHS0001688  326.1      3.34       0          0.3        0
PWOPRMHS0001689  326.61     3.68       0          0.3        0
PWOPRMHS0001690  326.74     3.56       0          0.3        0
PWOPRMHS0001691  326.982    3.598      0          0.3        0
PWOPRMHS0001692  327.57     3.44       0          0.3        0
;NA
PWOPRMHS0001695  322.25     3.57       0          0.3        0
;NA
PWOPRMHS0001697  323.91     3.11       0          0.3        0
PWOPRMHS0001705  328.53     3.5        0          0.3        0
PWOPRMHS0001706  327.14     3.06       0          0.3        0
PWOPRMHS0001713  325.51     3.65       0          0.3        0
PWOPRMHS0001729  329.08     3.52       0          0.3        0
PWOPRMHS0001732  328.98     3.3        0          0.3        0
```

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;NA
PWOPRMHS0001733  324.05     2.7        0          0.3        0
;NA
PWOPRMHS0001736  323.4      3.15       0          0.3        0
PWOPRMHS0001739  328.89     3.32       0          0.3        0
PWOPRMHS0001740  328.72     3.33       0          0.3        0
PWOPRMHS0001741  329.48     2.76       0          0.3        0
PWOPRMHS0001743  327.29     3.33       0          0.3        0
PWOPRMHS0001744  327.73     3.33       0          0.3        0
PWOPRMHS0001745  328.06     3.3        0          0.3        0
PWOPRMHS0001746  327.93     3.33       0          0.3        0
;NA
PWOPRMHS0001761  329.15     2.76       0          0.3        0
;NA
PWOPRMHS0001764  327.46     3.78       0          0.3        0
;NA
PWOPRMHS0001765  328.04     2.39       0          0.3        0
;NA
PWOPRMHS0001766  328.32     2.41       0          0.3        0
;NA
PWOPRMHS0001767  327.25     3.62       0          0.3        0
;NA
PWOPRMHS0001768  327.85     2.58       0          0.3        0
;NA
PWOPRMHS0001788  322.94     3.97       0          0.3        0
;NA
PWOPRMHS0001791  325.59     5.96       0          0.3        0
;NA
PWOPRMHS0001792  325.24     6.82       0          0.3        0
;NA
PWOPRMHS0001796  326.65     4.02       0          0          0
;NA
PWOPRMHS0001797  326.4      4.83       0          0          0
;NA
PWOPRMHS0001798  326.06     5.77       0          0.3        0
;NA
PWOPRMHS0001804  331.98     3.61       0          0.3        0
;NA
PWOPRMHS0001836  324.56     5.25       0          0.3        0
;NA
PWOPRMHS0001855  326.21     3.73       0          0.3        0
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;NA
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;NA
PWOPRMHS0001857  322.43     3.51       0          0.3        0
;NA
PWOPRMHS0001858  329.93     3.69       0          0.3        0
;NA
PWOPRMHS0001867  331.94     2.78       0          0.3        0
PWOPRMHS0001874  329.87     3.05       0          0.3        0
;NA
PWOPRMHS0001878  323.28     2.96       0          0.3        0
;NA
PWOPRMHS0001879  323.04     3.03       0          0.3        0
;NA
PWOPRMHS0001881  323.57     2.92       0          0.3        0
;NA
PWOPRMHS0001889  324.63     3.44       0          0.3        0
;NA
PWOPRMHS0001890  324.52     3.31       0          0.3        0
;NA
PWOPRMHS0001891  325.1      2.9        0          0.3        0
;NA
PWOPRMHS0001894  324.23     3          0          0.3        0
;NA
PWOPRMHS0001903  332.72     2.54       0          0.3        0
;NA
PWOPRMHS0001904  330.44     3.67       0          0.3        0
;NA
PWOPRMHS0001906  318.8      3.49       0          0.3        0
;NA
PWOPRMHS0001907  318.83     2.99       0          0.3        0
;NA
PWOPRMHS0001908  319.55     3.08       0          0.3        0
;NA
PWOPRMHS0001911  318.49     3.65       0          0.3        0
;NA
PWOPRMHS0001912  317.51     3.82       0          0.3        0
;NA
PWOPRMHS0001914  331.83     2.71       0          0.3        0
;NA
PWOPRMHS0001915  329.19     3.84       0          0.3        0
```

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;NA
PWOPRMHS0001916  327.59     3.14       0          0.3        0
;NA
PWOPRMHS0001917  319.24     2.98       0          0.3        0
;NA
PWOPRMHS0001918  317.81     4.03       0          0.3        0
PWOPRMHS0001919  327.8      2.84       0          0.3        0
;NA
PWOPRMHS0001925  323.33     3.36       0          0.3        0
;NA
PWOPRMHS0001926  322.69     2.47       0          0.3        0
;NA
PWOPRMHS0001927  323.51     2.31       0          0.3        0
;NA
PWOPRMHS0001928  322.2      2.41       0          0.3        0
;NA
PWOPRMHS0001929  323.85     3.52       0          0.3        0
;NA
PWOPRMHS0001930  323.07     3.07       0          0.3        0
;NA
PWOPRMHS0001931  324.99     5.43       0          0.3        0
;NA
PWOPRMHS0001932  325.31     8.34       0          0.3        0
;NA
PWOPRMHS0001933  325.66     9.07       0          0.3        0
;NA
PWOPRMHS0001935  326.03     7.44       0          0.3        0
;NA
PWOPRMHS0001937  324.28     3.82       0          0.3        0
;NA
PWOPRMHS0001939  327.51     3.59       0          0.3        0
;NA
PWOPRMHS0001941  326.79     3.74       0          0          0
;NA
PWOPRMHS0001943  326.42     5.3        0          0.3        0
;NA
PWOPRMHS0001944  322.64     3          0          0.3        0
;NA
PWOPRMHS0001945  323.32     2.88       0          0.3        0
;NA
PWOPRMHS0001947  324.02     2.7        0          0.3        0
```

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PWOPRMHS0002041  329.07     2.98       0          0.3        0
PWOPRMHS0002042  329.56     4.01       0          0.3        0
PWOPRMHS0002046  330.72     2.86       0          0.3        0
PWOPRMHS0002050  328.97     2.87       0          0.3        0
PWOPRMHS0002051  328.27     3.3        0          0.3        0
;NA
PWOPRMHS0002080  325.23     3.1        0          0.3        0
;NA
PWOPRMHS0002082  326.71     4.05       0          0.3        0
;NA
PWOPRMHS0002083  325.32     3.61       0          0.3        0
;NA
PWOPRMHS0002084  324.97     3.82       0          0.3        0
;NA
PWOPRMHS0002085  329.39     3.11       0          0.3        0
PWOPRMHS0002095  336.04     3.41       0          0.3        0
PWOPRMHS0003136  328.89     3.7        0          0.3        0
PWOPRMHS0003137  329.5      3.26       0          0.3        0
PWOPRMHS0003140  327.35     2.76       0          0.3        0
PWOPRMHS0003146  334.6      3.92       0          0.3        0
PWOPRMHS0003147  333.79     2.72       0          0.3        0
PWOPRMHS0003148  331.89     3.16       0          0.3        0
PWOPRMHS0003149  330.86     3.81       0          0.3        0
PWOPRMHS0003153  336.16     2.43       0          0.3        0
PWOPRMHS0003160  335.5      2.92       0          0.3        0
PWOPRMHS0004129  329.07     2          0          0.3        0
PWOPRMHS0004130  328.83     2.13       0          0.3        0
PWOPRMHS0004131  328.57     2          0          0.3        0
PWOPRMHS0004132  328.13     2.51       0          0.3        0
PWOPRMHS0004133  328.79     2          0          0.3        0
PWOPRMHS0004134  331.94     2          0          0.3        0
PWOPRMHS0004135  332.43     2.02       0          0.3        0
PWOPRMHS0004137  334.38     2.53       0          0.3        0
PWOPRMHS0004141  327.38     2.19       0          0.3        0
PWOPRMHS0004142  327.04     2.46       0          0.3        0
PWOPRMHS0004143  327.78     2          0          0.3        0
PWOPRMHS0004146  332.4      2          0          0.3        0
PWOPRMHS0004159  329.63     2          0          0.3        0
PWOPRMHS0004201  329.52     2          0          0.3        0
PWOPRMHS0004998  326.73     2          0          0.3        0
PWOPRMHS0004999  327.49     2          0          0.3        0
```

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PWOPRMHS0005000  326.99     2.32       0          0.3        0
PWOPRMHS0005001  327.12     2.55       0          0.3        0
PWOPRMHS0005003  326.19     2          0          0.3        0
PWOPRMHS0005008  338.52     4.48       0          0.3        0
PWOPRMHS0005009  339.39     4.26       0          0.3        0
PWOPRMHS0005010  338.14     4.66       0          0.3        0
PWOPRMHS0005011  334.98     3.72       0          0.3        0
PWOPRMHS0005012  335.55     3.95       0          0.3        0
PWOPRMHS0005013  334.8      3.45       0          0.3        0
PWOPRMHS0005178  328.64     2          0          0.3        0
;NA
PWOPRMHS0005179  326.2      4.1        0          0.3        0
;NA
PWOPRMHS0005181  326.66     3.12       0          0.3        0
;NA
PWOPRMHS0005183  327.74     2.96       0          0.3        0
;NA
PWOPRMHS0005188  329.94     2.33       0          0.3        0
;NA
PWOPRMHS0005196  328.21     2.69       0          0.3        0
;NA
PWOPRMHS0005223  325.84     3.81       0          0.3        0
;NA
PWOPRMHS0005226  325.46     3.04       0          0.3        0
;NA
PWOPRMHS0005229  324.74     2.51       0          0.3        0
;NA
PWOPRMHS0005230  324.55     2.65       0          0.3        0
;NA
PWOPRMHS0005231  325.24     2.4        0          0.3        0
;NA
PWOPRMHS0005906  319.63     2          0          0.3        0
;NA
PWOPRMHS0005908  318.92     2.18       0          0.3        0
;NA
PWOPRMHS0005909  318.44     2.56       0          0.3        0
;NA
PWOPRMHS0005910  318.95     2.55       0          0.3        0
;NA
PWOPRMHS0005911  319.29     2.46       0          0.3        0
;NA
```

```
PWOPRMHS0005924  318.6      2.4        0          0.3        0
;NA
PWOPRMHS0005926  318.05     2.75       0          0.3        0
;NA
PWOPRMHS0005927  317.76     2.44       0          0.3        0
;NA
PWOPRMHS0005930  317.25     2.3        0          0.3        0
;NA
PWOPRMHS0005931  317.7      2          0          0.3        0
;NA
PWOPRMHS0005932  317.88     2          0          0.3        0
;NA
PWOPRMHS0005944  318.32     2.18       0          0.3        0
;NA
PWOPRMHS0005945  318.22     2          0          0.3        0
;NA
PWOPRMHS0005946  318.5      2          0          0.3        0
SWMPOND          322        3          0          0.3        0

[OUTFALLS]
;;               Invert     Outfall    Stage/Table      Tide
;;Name           Elev.      Type       Time Series      Gate     Route To
;;-------------- ---------- ---------- ---------------- -------- ----------------
A1_OVERFLOW      317        FREE                        NO       A1
A2_OVERFLOW      329        FREE                        NO       A2
A3_OVERFLOW      326        FREE                        NO       A3
A4_OVERFLOW      317        FREE                        NO       A4
B1_OVERFLOW      324        FREE                        NO       B1
B2_OVERFLOW      322        FREE                        NO       B2
C1_OVERFLOW      319        FREE                        NO       C1
D1_OVERFLOW      324.5      FREE                        NO       D1
D2_OVERFLOW      321        FREE                        NO       D3
D3_OVERFLOW      321.5      FREE                        NO       D3
D4_OVERFLOW      318        FREE                        NO       D4
E1_OVERFLOW      314        FREE                        NO       E1
E2_OVERFLOW      313.9      FREE                        NO       E2
HanlonCreek      300        FREE                        NO

[STORAGE]
;;               Invert   Max.       Init.      Storage    Curve                                  Evap.
;;Name           Elev.    Depth      Depth      Curve      Params                                 Frac.
Infiltration parameters
```

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;;-------------- -------- ---------- ---------- ---------- --------- --------- -------- -------- -------- ---------
--------------
S_A1             331      3          0          TABULAR    WetlandA1                  0        0
S_A2             330      3          0          TABULAR    WetlandA2                  0        0
S_A3             326      5.5        0          TABULAR    WetlandA3                  0        0
S_A4             318      5.5        0          TABULAR    WetlandA4                  0        0
S_B1             324      3          0          TABULAR    WetlandB1                  0        0
S_B2             322      3          0          TABULAR    WetlandB2                  0        0
S_C1             319      3          0          TABULAR    WetlandC1                  0        0
S_D1             324.5    3          0          TABULAR    WetlandD1                  0        0
S_D2             321      3          0          TABULAR    WetlandD2                  0        0
S_D3             321.5    3          0          TABULAR    WetlandD3                  0        0
S_D4             318      3          0          TABULAR    WetlandD4                  0        0
S_E1             314      3          0          TABULAR    WetlandE1                  0        0
S_E2             313.9    3          0          TABULAR    WetlandE2                  0        0

[CONDUITS]
;;               Inlet            Outlet                      Manning    Inlet      Outlet     Init.      Max.
;;Name           Node             Node             Length     N          Offset     Offset     Flow       Flow
;;-------------- ---------------- ---------------- ---------- ---------- ---------- ---------- ---------- ---------
-
1                1                14               360.305    0.013      0          0          0          0
10               24               9                457.949    0.013      0          0          0          0
11               18               42               301.149    0.013      0          0          0          0
12               S_B2             22               131.83     0.013      0          0          0          0
13               19               S_B1             124.967    0.013      0          0          0          0
14               19               18               146.578    0.013      0          0          0          0
15               22               25               93.126     0.013      0          0          0          0
16               2                8                631.141    0.013      324        320.964    0          0
17               25               24               181.69     0.013      0          0          0          0
18               9                7                420.604    0.013      0          0          0          0
19               11               12               195.669    0.013      0          0          0          0
2                S_A1             3                43.668     0.013      0          0          0          0
20               12               13               179.641    0.013      0          0          0          0
21               13               53               212.047    0.013      0          0          0          0
22               S_E1             15               69.292     0.013      0          0          0          0
23               15               54               67.515     0.013      0          0          0          0
24               S_E2             17               107.785    0.013      0          0          0          0
25               26               27               458.274    0.013      0          0          0          0
26               39               21               482.961    0.013      0          0          0          0
27               27               48               289.263    0.013      0          0          0          0
```

28	S_D1	29	122.671	0.013	0	0	0	0
29	30	31	89.546	0.013	0	0	0	0
3	3	20	432.496	0.013	0	0	0	0
30	31	32	191.886	0.013	0	0	0	0
31	32	50	225.886	0.013	0	0	0	0
32	S_D4	34	122.316	0.013	0	0	0	0
33	34	35	72.595	0.013	0	0	0	0
34	35	36	438.635	0.013	0	0	0	0
35	36	13	141.013	0.013	0	0	0	0
36	14	S_A1	34.424	0.013	0	331	0	0
37	S_D3	39	91.663	0.013	0	0	0	0
38	29	21	402.301	0.013	0	0	0	0
39	21	S_D2	78.042	0.013	0	0	0	0
4	S_A2	5	94.929	0.013	0	0	0	0
40	S_D2	30	55.409	0.013	0	0	0	0
41	17	56	1006.975	0.013	0	0	0	0
43	4	37	223.1	0.013	325	324.1	0	0
44	7	S_A4	45.027	0.013	0	317	0	0
45	7	A4_OVERFLOW	60.823	0.013	318.7	0	0	0
46	14	A1_OVERFLOW	16.01	0.013	331.7	0	0	0
47	S_A4	11	355.016	0.013	317	316.607	0	0
48	20	S_A2	28.029	0.013	330.1	330	0	0
49	20	A2_OVERFLOW	32.856	0.013	330.7	330	0	0
5	5	6	219.322	0.013	0	0	0	0
50	28	S_A3	102.047	0.013	326.1	326	0	0
51	28	A3_OVERFLOW	83.104	0.013	326.7	0	0	0
52	37	S_B1	30.885	0.013	324.1	324	0	0
53	37	B1_OVERFLOW	20.838	0.013	324.7	324	0	0
54	40	S_C1	40.45	0.013	319.1	319	0	0
55	40	C1_OVERFLOW	45.312	0.013	319.7	319	0	0
56	42	B2_OVERFLOW	25.741	0.013	322.7	322	0	0
57	42	S_B2	24.015	0.013	322.1	322	0	0
58	49	S_D3	59.379	0.013	321.6	321.5	0	0
59	49	D3_OVERFLOW	57.755	0.013	322.2	321.5	0	0
6	6	28	710.032	0.013	0	0	0	0
60	48	S_D1	64.088	0.013	324.6	324.5	0	0
61	48	D1_OVERFLOW	92.338	0.013	325.2	324.5	0	0
62	21	D2_OVERFLOW	83.528	0.013	321.7	321	0	0
63	50	S_D4	36.294	0.013	318.1	318	0	0
64	50	D4_OVERFLOW	20.059	0.013	318.7	318	0	0
65	54	S_E2	8.253	0.013	313.925	313.9	0	0

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66                54                E2_OVERFLOW       17.303     0.013      314.525    313.9      0          0
67                53                E1_OVERFLOW       16.462     0.013      314.7      314        0          0
68                53                S_E1              9.722      0.013      314.1      314        0          0
7                 S_A3              8                 610.067    0.013      0          0          0          0
70                56                HanlonCreek       345.809    0.013      301.1      301        0          0
8                 8                 9                 403.532    0.013      0          0          0          0
9                 S_C1              7                 306.084    0.013      0          0          0          0
;NA
PWOPRSES0001498   PWOPRMHS0001398   PWOPRMHS0001399   33         0.013      317.27     317.16     0          0
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;NA
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;NA
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;NA
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PWOPRSES0001519   PWOPRMHS0001393   PWOPRMHS0001415   139.1      0.013      320.19     319.77     0          0
;NA
PWOPRSES0001520   PWOPRMHS0001394   PWOPRMHS0001402   74.3       0.013      316.86     316.6      0          0
;NA
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;NA
PWOPRSES0001522   PWOPRMHS0001390   PWOPRMHS0001391   38.1       0.013      317.49     317.41     0          0
;NA
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;NA
PWOPRSES0001525   PWOPRMHS0001422   PWOPRMHS0001373   64.5       0.013      320.28     320.06     0          0
;NA
PWOPRSES0001530   PWOPRMHS0001404   PWOPRMHS0001393   106.8      0.013      320.54     320.21     0          0
;NA
PWOPRSES0001534   PWOPRMHS0001388   PWOPRMHS0001387   54.9       0.013      318.93     318.79     0          0
;NA
PWOPRSES0001535   PWOPRMHS0001389   PWOPRMHS0001388   54.9       0.013      319.13     318.93     0          0
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PWOPRSES0001542  PWOPRMHS0001400  PWOPRMHS0001401  58.2       0.013      316.99     316.69     0          0
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;NA
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;NA
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;NA
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;NA
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;NA
PWOPRSES0001576  MHEasement2      PWOPRMHS0001386  27.2       0.013      318.7      318.61     0          0
;NA
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;NA
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PWOPRSES0001712  PWOPRMHS0001678  PWOPRMHS0001677  8.3        0.013      327.01     326.78     0          0
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PWOPRSES0001725  PWOPRMHS0001687  PWOPRMHS0001688  41         0.013      326.4      326.2      0          0
PWOPRSES0001728  PWOPRMHS0001688  PWOPRMHS0001674  17.1       0.013      326.1      326.01     0          0
PWOPRSES0001730  PWOPRMHS0001674  PWOPRMHS0001713  86.1       0.013      325.88     325.51     0          0
PWOPRSES0001732  PWOPRMHS0001705  PWOPRMHS0001688  74         0.013      328.53     327.53     0          0
PWOPRSES0001733  PWOPRMHS0001676  PWOPRMHS0001674  15.4       0.013      326.33     326.32     0          0
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PWOPRSES0001744  PWOPRMHS0001746  PWOPRMHS0001744  32.5       0.013      327.93     327.78     0          0
PWOPRSES0001745  PWOPRMHS0001686  PWOPRMHS0001682  11.1       0.013      328.55     328.21     0          0
PWOPRSES0001747  PWOPRMHS0002046  PWOPRMHS0001682  55.95      0.013      330.72     328.73     0          0
PWOPRSES0001748  PWOPRMHS0001682  PWOPRMHS0001689  94         0.013      328.1      326.73     0          0
PWOPRSES0001750  PWOPRMHS0001690  PWOPRMHS0001689  16.1       0.013      326.74     326.63     0          0
PWOPRSES0001753  PWOPRMHS0001691  PWOPRMHS0001690  42.5       0.01       326.982    326.74     0          0
PWOPRSES0001754  PWOPRMHS0001741  PWOPRMHS0002051  84.5       0.013      329.48     328.91     0          0
PWOPRSES0001755  PWOPRMHS0001745  PWOPRMHS0001746  32.1       0.013      328.06     327.95     0          0
PWOPRSES0001756  PWOPRMHS0001744  PWOPRMHS0001692  13.5       0.013      327.73     327.68     0          0
PWOPRSES0001757  PWOPRMHS0002051  PWOPRMHS0001745  32.8       0.013      328.27     328.14     0          0
PWOPRSES0001758  PWOPRMHS0001874  PWOPRMHS0001732  85.2       0.013      329.87     329.28     0          0
PWOPRSES0001759  PWOPRMHS0001692  PWOPRMHS0001743  70.9       0.01       327.57     327.315    0          0
PWOPRSES0001760  PWOPRMHS0001743  PWOPRMHS0001691  18.8       0.013      327.29     327.19     0          0
PWOPRSES0001761  PWOPRMHS0001919  PWOPRMHS0001691  18.5       0.013      327.8      327.71     0          0
PWOPRSES0001765A PWOPRMHS0001740  MHSchool         46.6       0.013      328.72     328.55     0          0
PWOPRSES0001765B MHSchool         PWOPRMHS0002051  24.3       0.013      328.55     328.46     0          0
PWOPRSES0001766  PWOPRMHS0002041  MHSchool         16.96      0.013      329.07     328.87     0          0
PWOPRSES0001768  PWOPRMHS0002050  PWOPRMHS0002051  17.64      0.013      328.97     328.76     0          0
PWOPRSES0001770  PWOPRMHS0001679  PWOPRMHS0001680  13.11      0.013      335.89     335.79     0          0
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;NA
PWOPRSES0001962  PWOPRMHS0001944  PWOPRMHS0001928  76.81      0.013      322.64     322.28     0          0
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PWOPRSES0001963  PWOPRMHS0001927  PWOPRMHS0001928  55.93      0.013      323.51     322.51     0          0
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PWOPRSES0001968  PWOPRMHS0001939  PWOPRMHS0001927  46.02      0.013      327.51     323.61     0          0
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PWOPRSES0002119  PWOPRMHS0002042  PWOPRMHS0001729  74         0.013      329.56     329.23     0          0
PWOPRSES0002120  PWOPRMHS0001732  PWOPRMHS0001739  9.7        0.013      328.98     328.92     0          0
PWOPRSES0002121  PWOPRMHS0001729  PWOPRMHS0001732  18.6       0.013      329.08     329.04     0          0
PWOPRSES0002122  PWOPRMHS0001739  PWOPRMHS0001740  15.5       0.013      328.89     328.77     0          0
PWOPRSES0003435  PWOPRMHS0003137  PWOPRMHS0003136  23.4       0.013      329.5      328.99     0          0
PWOPRSES0003436  PWOPRMHS0003136  PWOPRMHS0001686  50.2       0.013      328.89     328.62     0          0
PWOPRSES0003439  PWOPRMHS0003140  PWOPRMHS0001678  48.8       0.013      327.35     327.07     0          0
PWOPRSES0003446  PWOPRMHS0003146  PWOPRMHS0003147  50.75      0.013      334.6      334.5      0          0
PWOPRSES0003447  PWOPRMHS0003147  PWOPRMHS0003148  22         0.013      333.79     332.64     0          0
PWOPRSES0003448  PWOPRMHS0003148  PWOPRMHS0003149  9.25       0.013      331.89     331.68     0          0
PWOPRSES0003449  PWOPRMHS0003149  PWOPRMHS0003137  58.3       0.013      330.86     329.6      0          0
PWOPRSES0003457  PWOPRMHS0003153  PWOPRMHS0001679  35.97      0.013      336.16     335.89     0          0
PWOPRSES0003465  PWOPRMHS0003160  PWOPRMHS0003146  19.51      0.013      335.5      335.01     0          0
PWOPRSES0003466  PWOPRMHS0001680  PWOPRMHS0003146  70.41      0.013      335.06     334.68     0          0
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;NA
PWOPRSES0004587  PWOPRMHS0004129  PWOPRMHS0004130  17.5       0.013      329.07     328.95     0          0
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;NA
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;NA
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PWOPRSES0005710  PWOPRMHS0001713  37               161.268    0.01       325.51     324.1      0          0
;NA
PWOPRSES0005734  PWOPRMHS0005178  PWOPRMHS0004142  92.8       0.013      328.64     327.07     0          0
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PWOPRSES0005735  PWOPRMHS0005181  PWOPRMHS0005179  96         0.013      326.66     326.24     0          0
;NA
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PWOPRSES0005739  PWOPRMHS0005188  PWOPRMHS0005183  99         0.01       329.94     327.74     0          0
;NA
PWOPRSES0005744  PWOPRMHS0005196  PWOPRMHS0005183  17         0.013      328.21     327.74     0          0
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PWOPRSES0005770  PWOPRMHS0005231  PWOPRMHS0005229  71.1       0.013      325.24     324.74     0          0
;NA
PWOPRSES0005771  PWOPRMHS0005229  PWOPRMHS0005230  8.6        0.01       324.74     324.59     0          0
;NA
PWOPRSES0006537  PWOPRMHS0005944  PWOPRMHS0005945  34.65      0.013      318.32     318.22     0          0
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;NA
STMEasement      MHEasement1      MHEasement2      72.3       0.013      319.07     318.7      0          0
SWMPOND_OUT      SWMPOND          24               215.307    0.013      322        320.5      0          0

[XSECTIONS]
;;Link           Shape        Geom1            Geom2      Geom3      Geom4      Barrels
;;-------------- ------------ ---------------- ---------- ---------- ---------- ----------
1                TRAPEZOIDAL  3                2          1          1          1
10               TRAPEZOIDAL  3                2          1          1          1
11               TRAPEZOIDAL  3                2          1          1          1
12               RECT_CLOSED  2                2          0          0          1
13               TRAPEZOIDAL  3                2          1          1          1
14               TRAPEZOIDAL  3                2          1          1          1
15               TRAPEZOIDAL  3                2          1          1          1
16               TRAPEZOIDAL  3                2          1          1          1
17               TRAPEZOIDAL  3                2          1          1          1
18               TRAPEZOIDAL  3                2          1          1          1
19               TRAPEZOIDAL  3                2          1          1          1
2                TRAPEZOIDAL  3                2          1          1          1
20               TRAPEZOIDAL  3                2          1          1          1
21               TRAPEZOIDAL  3                3          1          1          1
22               TRAPEZOIDAL  3                2          1          1          1
23               TRAPEZOIDAL  3                2          1          1          1
24               TRAPEZOIDAL  3                2          1          1          1
25               TRAPEZOIDAL  3                2          1          1          1
26               TRAPEZOIDAL  3                2          1          1          1
27               TRAPEZOIDAL  3                2          1          1          1
28               TRAPEZOIDAL  3                2          1          1          1
29               TRAPEZOIDAL  3                2          1          1          1
3                TRAPEZOIDAL  3                2          1          1          1
30               TRAPEZOIDAL  3                2          1          1          1
31               TRAPEZOIDAL  3                2          1          1          1
32               TRAPEZOIDAL  3                2          1          1          1
33               TRAPEZOIDAL  3                2          1          1          1
34               TRAPEZOIDAL  3                2          1          1          1
35               TRAPEZOIDAL  3                2          1          1          1
36               TRAPEZOIDAL  3                2          1          1          1
```

37	TRAPEZOIDAL	3	2	1	1	1
38	TRAPEZOIDAL	3	2	1	1	1
39	TRAPEZOIDAL	3	2	1	1	1
4	TRAPEZOIDAL	3	2	1	1	1
40	TRAPEZOIDAL	3	2	1	1	1
41	TRAPEZOIDAL	3	2	1	1	1
43	TRAPEZOIDAL	3	2	1	1	1
44	TRAPEZOIDAL	3	2	1	1	1
45	RECT_OPEN	2	15	1	0	1
46	RECT_OPEN	2	15	1	0	1
47	TRAPEZOIDAL	3	2	1	1	1
48	TRAPEZOIDAL	3	2	1	1	1
49	RECT_OPEN	2	15	1	0	1
5	TRAPEZOIDAL	3	2	1	1	1
50	TRAPEZOIDAL	3	2	1	1	1
51	RECT_OPEN	2	15	1	0	1
52	TRAPEZOIDAL	3	2	1	1	1
53	RECT_OPEN	2	15	1	0	1
54	TRAPEZOIDAL	3	2	1	1	1
55	RECT_OPEN	2	15	1	0	1
56	RECT_OPEN	2	15	1	0	1
57	TRAPEZOIDAL	3	2	1	1	1
58	TRAPEZOIDAL	3	2	1	1	1
59	RECT_OPEN	2	15	1	0	1
6	TRAPEZOIDAL	3	2	1	1	1
60	TRAPEZOIDAL	3	2	1	1	1
61	RECT_OPEN	2	15	1	0	1
62	RECT_OPEN	2	15	1	0	1
63	TRAPEZOIDAL	3	2	1	1	1
64	RECT_OPEN	2	15	1	0	1
65	TRAPEZOIDAL	3	2	1	1	1
66	RECT_OPEN	2	15	1	0	1
67	RECT_OPEN	2	15	1	0	1
68	TRAPEZOIDAL	3	2	1	1	1
7	TRAPEZOIDAL	3	2	1	1	1
70	TRAPEZOIDAL	3	2	1	1	1
8	TRAPEZOIDAL	4	2	1	1	1
9	TRAPEZOIDAL	3	2	1	1	1
PWOPRSES0001498	CIRCULAR	2	0	0	0	1
PWOPRSES0001507	CIRCULAR	2	0	0	0	1
PWOPRSES0001510	CIRCULAR	2	0	0	0	1

PWOPRSES0001511	CIRCULAR	2	0	0	0	1
PWOPRSES0001512	CIRCULAR	2	0	0	0	1
PWOPRSES0001515	CIRCULAR	2	0	0	0	1
PWOPRSES0001516	CIRCULAR	2	0	0	0	1
PWOPRSES0001518	CIRCULAR	2	0	0	0	1
PWOPRSES0001519	HORIZ_ELLIPSE	2	1.15	0	0	1
PWOPRSES0001520	CIRCULAR	2	0	0	0	1
PWOPRSES0001521	CIRCULAR	2	0	0	0	1
PWOPRSES0001522	CIRCULAR	2	0	0	0	1
PWOPRSES0001524	CIRCULAR	2	0	0	0	1
PWOPRSES0001525	CIRCULAR	2	0	0	0	1
PWOPRSES0001530	HORIZ_ELLIPSE	2	1.15	0	0	1
PWOPRSES0001534	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001535	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001536	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001537	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001538	CIRCULAR	2	0	0	0	1
PWOPRSES0001541	CIRCULAR	2	0	0	0	1
PWOPRSES0001542	CIRCULAR	2	0	0	0	1
PWOPRSES0001543	CIRCULAR	3	0	0	0	1
PWOPRSES0001544	CIRCULAR	3	0	0	0	1
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PWOPRSES0001548	CIRCULAR	2	0	0	0	1
PWOPRSES0001551	CIRCULAR	2	0	0	0	1
PWOPRSES0001555	CIRCULAR	2	0	0	0	1
PWOPRSES0001556	CIRCULAR	2	0	0	0	1
PWOPRSES0001557	CIRCULAR	2.5	0	0	0	1
PWOPRSES0001558	CIRCULAR	2.5	0	0	0	1
PWOPRSES0001559	CIRCULAR	2	0	0	0	1
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PWOPRSES0001565	CIRCULAR	2.5	0	0	0	1
PWOPRSES0001566	CIRCULAR	2.5	0	0	0	1
PWOPRSES0001567	CIRCULAR	2.5	0	0	0	1
PWOPRSES0001571	CIRCULAR	2	0	0	0	1
PWOPRSES0001572	CIRCULAR	2	0	0	0	1
PWOPRSES0001575	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001576	CIRCULAR	2	0	0	0	1
PWOPRSES0001577	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001579	CIRCULAR	2	0	0	0	1

PWOPRSES0001580	CIRCULAR	2	0	0	0	1
PWOPRSES0001581	CIRCULAR	2	0	0	0	1
PWOPRSES0001582	CIRCULAR	2	0	0	0	1
PWOPRSES0001583	CIRCULAR	2	0	0	0	1
PWOPRSES0001584	CIRCULAR	2	0	0	0	1
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PWOPRSES0001712	CIRCULAR	2	0	0	0	1
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PWOPRSES0001718	CIRCULAR	2	0	0	0	1
PWOPRSES0001720	CIRCULAR	2	0	0	0	1
PWOPRSES0001721	CIRCULAR	2	0	0	0	1
PWOPRSES0001724	HORIZ_ELLIPSE	2	1.73	0	0	1
PWOPRSES0001725	HORIZ_ELLIPSE	2	1.73	0	0	1
PWOPRSES0001728	HORIZ_ELLIPSE	2	1.73	0	0	1
PWOPRSES0001730	HORIZ_ELLIPSE	2	1.92	0	0	1
PWOPRSES0001732	CIRCULAR	2	0	0	0	1
PWOPRSES0001733	CIRCULAR	2	0	0	0	1
PWOPRSES0001744	CIRCULAR	2	0	0	0	1
PWOPRSES0001745	CIRCULAR	2	0	0	0	1

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PWOPRSES0001748	CIRCULAR	2	0	0	0	1
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PWOPRSES0001765B	CIRCULAR	2	0	0	0	1
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PWOPRSES0001768	CIRCULAR	2	0	0	0	1
PWOPRSES0001770	CIRCULAR	2	0	0	0	1
PWOPRSES0001771	CIRCULAR	2	0	0	0	1
PWOPRSES0001774	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001775	HORIZ_ELLIPSE	3	1.345	0	0	1
PWOPRSES0001776	CIRCULAR	2	0	0	0	1
PWOPRSES0001777	CIRCULAR	2	0	0	0	1
PWOPRSES0001778	CIRCULAR	2	0	0	0	1
PWOPRSES0001779	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001780	CIRCULAR	2	0	0	0	1
PWOPRSES0001781	CIRCULAR	2	0	0	0	1
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PWOPRSES0001803	CIRCULAR	2	0	0	0	1
PWOPRSES0001806	CIRCULAR	2	0	0	0	1
PWOPRSES0001807	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001808	CIRCULAR	2	0	0	0	1
PWOPRSES0001809	CIRCULAR	2	0	0	0	1
PWOPRSES0001810	CIRCULAR	2	0	0	0	1

PWOPRSES0001812	CIRCULAR	2	0	0	0	1
PWOPRSES0001819	CIRCULAR	2	0	0	0	1
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PWOPRSES0001825	CIRCULAR	2	0	0	0	1
PWOPRSES0001826	CIRCULAR	2	0	0	0	1
PWOPRSES0001827	CIRCULAR	2	0	0	0	1
PWOPRSES0001828	CIRCULAR	2	0	0	0	1
PWOPRSES0001829	HORIZ_ELLIPSE	3	1.52	0	0	1
PWOPRSES0001840	CIRCULAR	2	0	0	0	1
PWOPRSES0001841	CIRCULAR	2	0	0	0	1
PWOPRSES0001842	CIRCULAR	2	0	0	0	1
PWOPRSES0001844	CIRCULAR	2	0	0	0	1
PWOPRSES0001845	CIRCULAR	2	0	0	0	1
PWOPRSES0001855	CIRCULAR	2	0	0	0	1
PWOPRSES0001856	CIRCULAR	2	0	0	0	1
PWOPRSES0001861	CIRCULAR	2	0	0	0	1
PWOPRSES0001862	CIRCULAR	2	0	0	0	1
PWOPRSES0001865	CIRCULAR	2	0	0	0	1
PWOPRSES0001866	CIRCULAR	2	0	0	0	1
PWOPRSES0001868	CIRCULAR	2	0	0	0	1
PWOPRSES0001890	CIRCULAR	2	0	0	0	1
PWOPRSES0001891	CIRCULAR	2	0	0	0	1
PWOPRSES0001892	CIRCULAR	2	0	0	0	1
PWOPRSES0001895	CIRCULAR	2	0	0	0	1
PWOPRSES0001896	CIRCULAR	2	0	0	0	1
PWOPRSES0001897	CIRCULAR	2	0	0	0	1
PWOPRSES0001899	CIRCULAR	2	0	0	0	1
PWOPRSES0001900	CIRCULAR	2	0	0	0	1
PWOPRSES0001904	CIRCULAR	2	0	0	0	1
PWOPRSES0001905	CIRCULAR	2	0	0	0	1
PWOPRSES0001906	CIRCULAR	2	0	0	0	1
PWOPRSES0001919	CIRCULAR	2	0	0	0	1
PWOPRSES0001930	CIRCULAR	2	0	0	0	1
PWOPRSES0001931	CIRCULAR	2	0	0	0	1
PWOPRSES0001932	CIRCULAR	2	0	0	0	1
PWOPRSES0001941	CIRCULAR	2	0	0	0	1
PWOPRSES0001942	CIRCULAR	2	0	0	0	1
PWOPRSES0001943	CIRCULAR	2	0	0	0	1

PWOPRSES0001944	CIRCULAR	2	0	0	0	1
PWOPRSES0001951	CIRCULAR	2	0	0	0	1
PWOPRSES0001952	CIRCULAR	2	0	0	0	1
PWOPRSES0001960	CIRCULAR	2	0	0	0	1
PWOPRSES0001961	CIRCULAR	2	0	0	0	1
PWOPRSES0001962	CIRCULAR	2	0	0	0	1
PWOPRSES0001963	CIRCULAR	2	0	0	0	1
PWOPRSES0001968	CIRCULAR	2	0	0	0	1
PWOPRSES0001972	CIRCULAR	2	0	0	0	1
PWOPRSES0001976	CIRCULAR	2.5	0	0	0	1
PWOPRSES0001977	CIRCULAR	2	0	0	0	1
PWOPRSES0001978	CIRCULAR	3	0	0	0	1
PWOPRSES0001979	CIRCULAR	2	0	0	0	1
PWOPRSES0001984	CIRCULAR	2.5	0	0	0	1
PWOPRSES0002119	CIRCULAR	2	0	0	0	1
PWOPRSES0002120	CIRCULAR	2	0	0	0	1
PWOPRSES0002121	CIRCULAR	2	0	0	0	1
PWOPRSES0002122	CIRCULAR	2	0	0	0	1
PWOPRSES0003435	CIRCULAR	2	0	0	0	1
PWOPRSES0003436	CIRCULAR	2	0	0	0	1
PWOPRSES0003439	CIRCULAR	2	0	0	0	1
PWOPRSES0003446	CIRCULAR	2	0	0	0	1
PWOPRSES0003447	CIRCULAR	2	0	0	0	1
PWOPRSES0003448	CIRCULAR	2	0	0	0	1
PWOPRSES0003449	CIRCULAR	2	0	0	0	1
PWOPRSES0003457	CIRCULAR	2	0	0	0	1
PWOPRSES0003465	CIRCULAR	2	0	0	0	1
PWOPRSES0003466	CIRCULAR	2	0	0	0	1
PWOPRSES0004584	CIRCULAR	2	0	0	0	1
PWOPRSES0004585	CIRCULAR	2	0	0	0	1
PWOPRSES0004586	CIRCULAR	2	0	0	0	1
PWOPRSES0004587	CIRCULAR	2	0	0	0	1
PWOPRSES0004588	CIRCULAR	2	0	0	0	1
PWOPRSES0004589	CIRCULAR	2	0	0	0	1
PWOPRSES0004590	CIRCULAR	2	0	0	0	1
PWOPRSES0004591	HORIZ_ELLIPSE	2	1.535	0	0	1
PWOPRSES0004592	HORIZ_ELLIPSE	2	1.535	0	0	1
PWOPRSES0004593	CIRCULAR	2	0	0	0	1
PWOPRSES0004594	HORIZ_ELLIPSE	2	1.535	0	0	1
PWOPRSES0004597	CIRCULAR	2	0	0	0	1
PWOPRSES0004603	CIRCULAR	2	0	0	0	1

PWOPRSES0004637	CIRCULAR	2	0	0	0	1
PWOPRSES0005529	CIRCULAR	2	0	0	0	1
PWOPRSES0005530	CIRCULAR	2	0	0	0	1
PWOPRSES0005531	CIRCULAR	2	0	0	0	1
PWOPRSES0005532	CIRCULAR	2	0	0	0	1
PWOPRSES0005534	CIRCULAR	2	0	0	0	1
PWOPRSES0005535	CIRCULAR	2	0	0	0	1
PWOPRSES0005536	CIRCULAR	2	0	0	0	1
PWOPRSES0005537	CIRCULAR	2	0	0	0	1
PWOPRSES0005539	CIRCULAR	2	0	0	0	1
PWOPRSES0005540	CIRCULAR	2	0	0	0	1
PWOPRSES0005541	CIRCULAR	2	0	0	0	1
PWOPRSES0005710	HORIZ_ELLIPSE	3	1.92	0	0	1
PWOPRSES0005734	CIRCULAR	2	0	0	0	1
PWOPRSES0005735	CIRCULAR	2	0	0	0	1
PWOPRSES0005736	CIRCULAR	2	0	0	0	1
PWOPRSES0005739	CIRCULAR	2	0	0	0	1
PWOPRSES0005744	CIRCULAR	2	0	0	0	1
PWOPRSES0005766	CIRCULAR	2	0	0	0	1
PWOPRSES0005767	CIRCULAR	2	0	0	0	1
PWOPRSES0005768	CIRCULAR	2	0	0	0	1
PWOPRSES0005769	CIRCULAR	3	0	0	0	1
PWOPRSES0005770	CIRCULAR	2	0	0	0	1
PWOPRSES0005771	CIRCULAR	2	0	0	0	1
PWOPRSES0006537	CIRCULAR	2	0	0	0	1
PWOPRSES0006538	CIRCULAR	2	0	0	0	1
PWOPRSES0006542	CIRCULAR	2	0	0	0	1
PWOPRSES0006547	CIRCULAR	2	0	0	0	1
PWOPRSES0006548	CIRCULAR	2	0	0	0	1
PWOPRSES0006549	CIRCULAR	2	0	0	0	1
PWOPRSES0006550	CIRCULAR	2	0	0	0	1
PWOPRSES0006551	CIRCULAR	2	0	0	0	1
PWOPRSES0006552	CIRCULAR	2	0	0	0	1
PWOPRSES0006553	CIRCULAR	3	0	0	0	1
PWOPRSES0006554	CIRCULAR	2	0	0	0	1
PWOPRSES0006555	CIRCULAR	2	0	0	0	1
PWOPRSES0006576	CIRCULAR	2	0	0	0	1
PWOPRSES0006577	CIRCULAR	2	0	0	0	1
STMEasement	CIRCULAR	2	0	0	0	1
SWMPOND_OUT	CIRCULAR	3	0	0	0	1

```
[TRANSECTS]
;;Transect Data in HEC-2 format
;
;Full street, width = 8m, curb = 0.15m , cross-slope = 0.02m/m, bank-slope = 0.02m/m, bank-height = 0.3m.
NC 0.03     0.03     0.013
X1 2LaneRd           7        7.5      15.5     0.0      0.0      0.0      0.0      0.0
GR 0.3      0        0.15     7.5      0        7.5      0.08     11.5     0        15.5
GR 0.15     15.5     0.3      23
;
;Full street, width = 16m, curb = 0.15m , cross-slope = 0.02m/m, bank-slope = 0.02m/m, bank-height = 0.30m.
NC 0.03     0.03     0.013
X1 4LaneRd           7        7.5      23.5     0.0      0.0      0.0      0.0      0.0
GR 0.3      0        0.15     7.5      0        7.5      0.16     15.5     0        23.5
GR 0.15     23.5     0.3      31

[LOSSES]
;;Link           Inlet      Outlet     Average    Flap Gate  SeepageRate
;;-------------- ---------- ---------- ---------- ---------- ----------
PWOPRSES0001498  0          0.15       0          NO         0
PWOPRSES0001507  0          0.15       0          NO         0
PWOPRSES0001510  0          1          0          NO         0
PWOPRSES0001511  0          0.15       0          NO         0
PWOPRSES0001512  0          0.15       0          NO         0
PWOPRSES0001515  0          0.15       0          NO         0
PWOPRSES0001516  0          0.15       0          NO         0
PWOPRSES0001518  0          0.15       0          NO         0
PWOPRSES0001519  0          0.15       0          NO         0
PWOPRSES0001520  0          1          0          NO         0
PWOPRSES0001521  0          0.15       0          NO         0
PWOPRSES0001522  0          0.15       0          NO         0
PWOPRSES0001524  0          1          0          NO         0
PWOPRSES0001525  0          0.15       0          NO         0
PWOPRSES0001530  0          0.15       0          NO         0
PWOPRSES0001534  0          0.15       0          NO         0
PWOPRSES0001535  0          0.15       0          NO         0
PWOPRSES0001536  0          0.15       0          NO         0
PWOPRSES0001537  0          0.15       0          NO         0
PWOPRSES0001538  0          1          0          NO         0
PWOPRSES0001541  0          0.15       0          NO         0
PWOPRSES0001542  0          1          0          NO         0
PWOPRSES0001543  0          0.15       0          NO         0
```

PWOPRSES0001544	0	0.15	0	NO	0
PWOPRSES0001545	0	0.15	0	NO	0
PWOPRSES0001546	0	0.75	0	NO	0
PWOPRSES0001547	0	0.75	0	NO	0
PWOPRSES0001548	0	0.15	0	NO	0
PWOPRSES0001551	0	0.75	0	NO	0
PWOPRSES0001555	0	0.15	0	NO	0
PWOPRSES0001556	0	0.75	0	NO	0
PWOPRSES0001557	0	1	0	NO	0
PWOPRSES0001558	0	0.75	0	NO	0
PWOPRSES0001559	0	0.15	0	NO	0
PWOPRSES0001564	0	1	0	NO	0
PWOPRSES0001565	0	0.75	0	NO	0
PWOPRSES0001566	0	0.75	0	NO	0
PWOPRSES0001572	0	0.75	0	NO	0
PWOPRSES0001575	0	0.15	0	NO	0
PWOPRSES0001576	0	0.15	0	NO	0
PWOPRSES0001577	0	1	0	NO	0
PWOPRSES0001579	0	0.15	0	NO	0
PWOPRSES0001580	0	0.15	0	NO	0
PWOPRSES0001581	0	0.15	0	NO	0
PWOPRSES0001582	0	0.15	0	NO	0
PWOPRSES0001583	0	0.15	0	NO	0
PWOPRSES0001584	0	1	0	NO	0
PWOPRSES0001585	0	1	0	NO	0
PWOPRSES0001586	0	1	0	NO	0
PWOPRSES0001587	0	0.15	0	NO	0
PWOPRSES0001633	0	1	0	NO	0
PWOPRSES0001634	0	1	0	NO	0
PWOPRSES0001654	0	0.75	0	NO	0
PWOPRSES0001655	0	1	0	NO	0
PWOPRSES0001656	0	0.15	0	NO	0
PWOPRSES0001658	0	0.85	0	NO	0
PWOPRSES0001660	0	1	0	NO	0
PWOPRSES0001662	0	0.75	0	NO	0
PWOPRSES0001679	0	1	0	NO	0
PWOPRSES0001680	0	1	0	NO	0
PWOPRSES0001681	0	0.15	0	NO	0
PWOPRSES0001682	0	0.15	0	NO	0
PWOPRSES0001684	0	1	0	NO	0
PWOPRSES0001687	0	0.85	0	NO	0

PWOPRSES0001688	0	0.75	0	NO	0
PWOPRSES0001698	0	0.75	0	NO	0
PWOPRSES0001699	0	0.75	0	NO	0
PWOPRSES0001711	0	0.15	0	NO	0
PWOPRSES0001712	0	0.75	0	NO	0
PWOPRSES0001713	0	0.75	0	NO	0
PWOPRSES0001724	0	0.85	0	NO	0
PWOPRSES0001725	0	0.75	0	NO	0
PWOPRSES0001728	0	0.75	0	NO	0
PWOPRSES0001730	0	0.15	0	NO	0
PWOPRSES0001732	0	0.75	0	NO	0
PWOPRSES0001733	0	0.75	0	NO	0
PWOPRSES0001744	0	0.75	0	NO	0
PWOPRSES0001745	0	0.75	0	NO	0
PWOPRSES0001747	0	0.15	0	NO	0
PWOPRSES0001748	0	0.15	0	NO	0
PWOPRSES0001750	0	0.75	0	NO	0
PWOPRSES0001753	0	0.75	0	NO	0
PWOPRSES0001754	0	1	0	NO	0
PWOPRSES0001755	0	0.45	0	NO	0
PWOPRSES0001756	0	0.75	0	NO	0
PWOPRSES0001757	0	0.45	0	NO	0
PWOPRSES0001758	0	0.15	0	NO	0
PWOPRSES0001759	0	0.75	0	NO	0
PWOPRSES0001760	0	0.75	0	NO	0
PWOPRSES0001761	0	0.75	0	NO	0
PWOPRSES0001765A	0	0.15	0	NO	0
PWOPRSES0001765B	0	0.15	0	NO	0
PWOPRSES0001768	0	0.75	0	NO	0
PWOPRSES0001770	0	0.75	0	NO	0
PWOPRSES0001771	0	0.75	0	NO	0
PWOPRSES0001775	0	0.15	0	NO	0
PWOPRSES0001776	0	0.15	0	NO	0
PWOPRSES0001777	0	0.75	0	NO	0
PWOPRSES0001778	0	0.75	0	NO	0
PWOPRSES0001779	0	0.75	0	NO	0
PWOPRSES0001780	0	0.75	0	NO	0
PWOPRSES0001781	0	0.75	0	NO	0
PWOPRSES0001782	0	0.75	0	NO	0
PWOPRSES0001783	0	0.15	0	NO	0
PWOPRSES0001784	0	0.15	0	NO	0

PWOPRSES0001785	0	1	0	NO	0
PWOPRSES0001786	0	0.15	0	NO	0
PWOPRSES0001797	0	0.75	0	NO	0
PWOPRSES0001798	0	0.15	0	NO	0
PWOPRSES0001803	0	0.15	0	NO	0
PWOPRSES0001806	0	0.15	0	NO	0
PWOPRSES0001807	0	0.15	0	NO	0
PWOPRSES0001808	0	1	0	NO	0
PWOPRSES0001809	0	0.15	0	NO	0
PWOPRSES0001810	0	1	0	NO	0
PWOPRSES0001812	0	1	0	NO	0
PWOPRSES0001819	0	0.15	0	NO	0
PWOPRSES0001821	0	0.15	0	NO	0
PWOPRSES0001822	0	0.85	0	NO	0
PWOPRSES0001823	0	0.75	0	NO	0
PWOPRSES0001824	0	0.75	0	NO	0
PWOPRSES0001825	0	0.15	0	NO	0
PWOPRSES0001826	0	0.75	0	NO	0
PWOPRSES0001827	0	0.15	0	NO	0
PWOPRSES0001828	0	1	0	NO	0
PWOPRSES0001829	0	0.15	0	NO	0
PWOPRSES0001844	0	0.75	0	NO	0
PWOPRSES0001845	0	0.15	0	NO	0
PWOPRSES0001855	0	0.75	0	NO	0
PWOPRSES0001856	0	1	0	NO	0
PWOPRSES0001861	0	0.15	0	NO	0
PWOPRSES0001862	0	0.75	0	NO	0
PWOPRSES0001865	0	0.15	0	NO	0
PWOPRSES0001866	0	1	0	NO	0
PWOPRSES0001868	0	0.75	0	NO	0
PWOPRSES0001890	0	0.15	0	NO	0
PWOPRSES0001891	0	0.75	0	NO	0
PWOPRSES0001892	0	0.75	0	NO	0
PWOPRSES0001895	0	0.75	0	NO	0
PWOPRSES0001896	0	0.15	0	NO	0
PWOPRSES0001897	0	0.85	0	NO	0
PWOPRSES0001899	0	0.75	0	NO	0
PWOPRSES0001900	0	0.15	0	NO	0
PWOPRSES0001904	0	1	0	NO	0
PWOPRSES0001905	0	0.15	0	NO	0
PWOPRSES0001906	0	1	0	NO	0

PWOPRSES0001919	0	0.45	0	NO	0
PWOPRSES0001930	0	1	0	NO	0
PWOPRSES0001931	0	0.15	0	NO	0
PWOPRSES0001932	0	0.15	0	NO	0
PWOPRSES0001941	0	0.15	0	NO	0
PWOPRSES0001942	0	0.15	0	NO	0
PWOPRSES0001943	0	0.15	0	NO	0
PWOPRSES0001944	0	0.15	0	NO	0
PWOPRSES0001951	0	0.15	0	NO	0
PWOPRSES0001952	0	0.15	0	NO	0
PWOPRSES0001960	0	0.15	0	NO	0
PWOPRSES0001961	0	0.15	0	NO	0
PWOPRSES0001962	0	1	0	NO	0
PWOPRSES0001963	0	0.15	0	NO	0
PWOPRSES0001968	0	0.15	0	NO	0
PWOPRSES0001972	0	0.75	0	NO	0
PWOPRSES0001976	0	0.15	0	NO	0
PWOPRSES0001977	0	0.75	0	NO	0
PWOPRSES0001978	0	0.15	0	NO	0
PWOPRSES0001979	0	0.75	0	NO	0
PWOPRSES0001984	0	0.15	0	NO	0
PWOPRSES0002119	0	0.75	0	NO	0
PWOPRSES0002120	0	0.75	0	NO	0
PWOPRSES0002121	0	0.75	0	NO	0
PWOPRSES0002122	0	0.75	0	NO	0
PWOPRSES0003435	0	0.75	0	NO	0
PWOPRSES0003436	0	0.75	0	NO	0
PWOPRSES0003439	0	0.75	0	NO	0
PWOPRSES0003446	0	0.45	0	NO	0
PWOPRSES0003447	0	0.75	0	NO	0
PWOPRSES0003448	0	0.75	0	NO	0
PWOPRSES0003449	0	0.75	0	NO	0
PWOPRSES0003457	0	0.75	0	NO	0
PWOPRSES0003465	0	0.75	0	NO	0
PWOPRSES0003466	0	0.75	0	NO	0
PWOPRSES0004584	0	0.75	0	NO	0
PWOPRSES0004585	0	0.75	0	NO	0
PWOPRSES0004586	0	0.75	0	NO	0
PWOPRSES0004587	0	0.75	0	NO	0
PWOPRSES0004588	0	0.75	0	NO	0
PWOPRSES0004589	0	0.75	0	NO	0

PWOPRSES0004590	0	0.75	0	NO	0
PWOPRSES0004591	0	0.15	0	NO	0
PWOPRSES0004592	0	0.75	0	NO	0
PWOPRSES0004593	0	1	0	NO	0
PWOPRSES0004594	0	0.15	0	NO	0
PWOPRSES0004603	0	0.15	0	NO	0
PWOPRSES0004637	0	0.15	0	NO	0
PWOPRSES0005529	0	1	0	NO	0
PWOPRSES0005530	0	0.85	0	NO	0
PWOPRSES0005531	0	0.45	0	NO	0
PWOPRSES0005532	0	0.15	0	NO	0
PWOPRSES0005534	0	0.75	0	NO	0
PWOPRSES0005535	0	0.75	0	NO	0
PWOPRSES0005536	0	0.45	0	NO	0
PWOPRSES0005537	0	0.15	0	NO	0
PWOPRSES0005539	0	0.85	0	NO	0
PWOPRSES0005540	0	0.75	0	NO	0
PWOPRSES0005541	0	0.45	0	NO	0
PWOPRSES0005710	0	0.15	0	NO	0
PWOPRSES0005734	0	0.75	0	NO	0
PWOPRSES0005735	0	0.85	0	NO	0
PWOPRSES0005736	0	0.45	0	NO	0
PWOPRSES0005739	0	0.15	0	NO	0
PWOPRSES0005744	0	0.75	0	NO	0
PWOPRSES0005766	0	0.45	0	NO	0
PWOPRSES0005767	0	0.15	0	NO	0
PWOPRSES0005768	0	0.15	0	NO	0
PWOPRSES0005769	0	0.15	0	NO	0
PWOPRSES0005770	0	0.15	0	NO	0
PWOPRSES0005771	0	1	0	NO	0
PWOPRSES0006537	0	1	0	NO	0
PWOPRSES0006538	0	1	0	NO	0
PWOPRSES0006542	0	1	0	NO	0
PWOPRSES0006547	0	0.15	0	NO	0
PWOPRSES0006548	0	1	0	NO	0
PWOPRSES0006549	0	0.15	0	NO	0
PWOPRSES0006550	0	0.15	0	NO	0
PWOPRSES0006551	0	1	0	NO	0
PWOPRSES0006552	0	1	0	NO	0
PWOPRSES0006553	0	0.15	0	NO	0
PWOPRSES0006554	0	1	0	NO	0

```
PWOPRSES0006555  0          0.15       0          NO         0
PWOPRSES0006576  0          0.15       0          NO         0
PWOPRSES0006577  0          0.15       0          NO         0
STMEasement      0          0.15       0          NO         0

[CURVES]
;;Name           Type       X-Value    Y-Value
;;-------------- ---------- ---------- ----------
10CBs            Rating     0          0
10CBs                       0.02       0.6
10CBs                       0.3        0.6

11CBs            Rating     0          0
11CBs                       0.02       0.66
11CBs                       0.3        0.66

12CBs            Rating     0          0
12CBs                       0.02       0.72
12CBs                       0.3        0.72

13CBs            Rating     0          0
13CBs                       0.02       0.78
13CBs                       0.3        0.78

14CBs            Rating     0          0
14CBs                       0.02       0.84
14CBs                       0.3        0.84

15CBs            Rating     0          0
15CBs                       0.02       0.9
15CBs                       0.3        0.9

16CBs            Rating     0          0
16CBs                       0.02       0.96
16CBs                       0.3        0.96

17CBs            Rating     0          0
17CBs                       0.02       1.02
17CBs                       0.3        1.02

18CBs            Rating     0          0
18CBs                       0.02       1.08
```

18CBs		0.3	1.08
1CBs	Rating	0	0
1CBs		0.01	0.06
1CBs		0.3	0.06
21CBs	Rating	0	0
21CBs		0.02	1.26
21CBs		0.3	1.26
27CBs	Rating	0	0
27CBs		0.02	1.62
27CBs		0.3	1.62
2CBs	Rating	0	0
2CBs		0.01	0.12
2CBs		0.3	0.12
3CBs	Rating	0	0
3CBs		0.01	0.18
3CBs		0.3	0.18
4CBs	Rating	0	0
4CBs		0.01	0.24
4CBs		0.3	0.24
5CBs	Rating	0	0
5CBs		0.01	0.3
5CBs		0.3	0.3
6CBs	Rating	0	0
6CBs		0.01	0.36
6CBs		0.3	0.36
7CBs	Rating	0	0
7CBs		0.01	0.42
7CBs		0.3	0.42
8CBs	Rating	0	0
8CBs		0.01	0.48
8CBs		0.3	0.48

```
9CBs            Rating     0          0
9CBs                       0.01       0.54
9CBs                       0.3        0.54

SWM28RC         Rating     0          0
SWM28RC                    0.615      0
SWM28RC                    0.8        0
SWM28RC                    0.9        0
SWM28RC                    1          0
SWM28RC                    1.1        0.005
SWM28RC                    1.2        0.061
SWM28RC                    1.3        0.088
SWM28RC                    1.4        0.108
SWM28RC                    1.5        0.778
SWM28RC                    1.6        0.814
SWM28RC                    1.7        0.848
SWM28RC                    1.8        0.881
SWM28RC                    1.9        0.912
SWM28RC                    2          0.943
SWM28RC                    2.1        0.972
SWM28RC                    2.2        1.001
SWM28RC                    2.3        1.029
SWM28RC                    2.4        1.056
SWM28RC                    2.5        1.082
SWM28RC                    2.6        1.108
SWM28RC                    2.7        1.133
SWM28RC                    2.8        1.158

;Represents outflow via CB outlets to sewer.  Assumption CBs are at same level as PP (makes sense) - survey shows
them lower, which in turn doesn't match the photos in inventory.
SWM4RC          Rating     0          0
SWM4RC                     1.25       0
SWM4RC                     1.27       0.024
SWM4RC                     1.31       0.078
SWM4RC                     1.33       0.12
SWM4RC                     1.38       0.24
SWM4RC                     1.45       0.48
SWM4RC                     1.55       1.02
SWM4RC                     1.59       1.2
SWM4RC                     1.73       2.4
SWM4RC                     1.85       3.6
```

```
SWM4RC                      2          4.8

ParkStorage      Storage    0          0
ParkStorage                 0.7        900
ParkStorage                 1          16500
ParkStorage                 1.2        29000

SWM28            Storage    0          3450
SWM28                       0.615      3450
SWM28                       0.8        8500
SWM28                       0.9        8500
SWM28                       1          8500
SWM28                       1.1        8500
SWM28                       1.2        8500
SWM28                       1.3        8500
SWM28                       1.4        8500
SWM28                       1.5        8500
SWM28                       1.6        8500
SWM28                       1.7        8500
SWM28                       1.8        8500
SWM28                       1.9        8500
SWM28                       2          8500
SWM28                       2.1        8500
SWM28                       2.2        8500
SWM28                       2.3        8500
SWM28                       2.4        8500
SWM28                       2.5        8500
SWM28                       2.6        8500
SWM28                       2.7        8500
SWM28                       2.8        8500

;Approximated from TSH report base mapping.  Note that pipe inlet is partially submerged according to photos and
survey.  Dead storage has to be incorporated to allow inlet to discharge into pond below surface WL.  Assuming same
surface area between spillway height and very top (the approx 62.0 feet shown on as-built drawing)
SWM4Storage      Storage    0          1900
SWM4Storage                 1.25       1900
SWM4Storage                 1.55       2400
SWM4Storage                 2          2400

;Depth-Area relationship for forebay area of SWM Pond 7
SWM7FB           Storage    0          285
SWM7FB                      1          560
```

H.07 Input for PCSWMM for Scenario 7

```
;Stage-Storage relationship for main cell of SWM Pond 7
SWM7MC           Storage    0          4235
SWM7MC                      1          4925

WetlandA1        Storage    0          0
WetlandA1                   0.5        1993
WetlandA1                   1          10128
WetlandA1                   1.5        19123
WetlandA1                   2          72071
WetlandA1                   2.5        81823
WetlandA1                   3          82759

WetlandA2        Storage    0          0
WetlandA2                   0.5        43647
WetlandA2                   1          98288
WetlandA2                   1.5        113931
WetlandA2                   2          114893
WetlandA2                   2.5        114932
WetlandA2                   3          114932

WetlandA3        Storage    0          12203
WetlandA3                   0.5        31285
WetlandA3                   1          84316
WetlandA3                   1.5        119057
WetlandA3                   2          147660
WetlandA3                   2.5        182929
WetlandA3                   3          251326
WetlandA3                   3.5        340723
WetlandA3                   4          451413
WetlandA3                   4.5        540607
WetlandA3                   5          566035
WetlandA3                   5.5        567097

WetlandA4        Storage    0          22748
WetlandA4                   0.5        37777
WetlandA4                   1          56843
WetlandA4                   1.5        85353
WetlandA4                   2          136310
WetlandA4                   2.5        254969
WetlandA4                   3          366650
```

```
WetlandA4                   3.5         464859
WetlandA4                   4           572352
WetlandA4                   4.5         643960
WetlandA4                   5           729815
WetlandA4                   5.5         794027

WetlandB1        Storage    0           748
WetlandB1                   0.5         2179
WetlandB1                   1           4353
WetlandB1                   1.5         18749
WetlandB1                   2           29524
WetlandB1                   2.5         30815
WetlandB1                   3           30837

WetlandB2        Storage    0           0
WetlandB2                   0.5         24588
WetlandB2                   1           28790
WetlandB2                   1.5         29102
WetlandB2                   2           29102
WetlandB2                   2.5         29102
WetlandB2                   3           29102

WetlandC1        Storage    0           0
WetlandC1                   0.5         2567
WetlandC1                   1           10045
WetlandC1                   1.5         21166
WetlandC1                   2           30166
WetlandC1                   2.5         31435
WetlandC1                   3           31518

WetlandD1        Storage    0           0
WetlandD1                   0.5         13522
WetlandD1                   1           58665
WetlandD1                   1.5         127160
WetlandD1                   2           131458
WetlandD1                   2.5         131580
WetlandD1                   3           131580

WetlandD2        Storage    0           650
WetlandD2                   0.5         7394
WetlandD2                   1           48890
```

```
WetlandD2                   1.5         89082
WetlandD2                   2           133528
WetlandD2                   2.5         153565
WetlandD2                   3           162160

WetlandD3        Storage    0           0
WetlandD3                   0.5         1820
WetlandD3                   1           46389
WetlandD3                   1.5         54012
WetlandD3                   2           56062
WetlandD3                   2.5         56124
WetlandD3                   3           56124

WetlandD4        Storage    0           157
WetlandD4                   0.5         10443
WetlandD4                   1           14310
WetlandD4                   1.5         30878
WetlandD4                   2           33670
WetlandD4                   2.5         34949
WetlandD4                   3           35215

WetlandE1        Storage    0           0
WetlandE1                   0.5         7717.148314
WetlandE1                   1           17612.80256
WetlandE1                   1.5         25586.52171
WetlandE1                   2           28587
WetlandE1                   2.5         29290
WetlandE1                   3           29297

WetlandE2        Storage    0           0
WetlandE2                   0.5         6088.864713
WetlandE2                   1           7509.22668
WetlandE2                   1.5         7840
WetlandE2                   2           7885
WetlandE2                   2.5         7885
WetlandE2                   3           7885

WetlandE3        Storage    0           262.986564
WetlandE3                   1           8013.773861
WetlandE3                   2           17068.55258
WetlandE3                   3           23881.86007
```

```
WetlandE3                   4          31930.37758
WetlandE3                   5          45851.68924
WetlandE3                   6          59052.95639
WetlandE3                   7          67360.7874
WetlandE3                   8          77508.42571
WetlandE3                   9          80545.00609
WetlandE3                   10         92149.70895
WetlandE3                   11         108177.4222

[TIMESERIES]
;;Name           Date       Time       Value
;;-------------- ---------- ---------- ----------
;Guelph IDF Curve
AES12hour_100yr             0:15       1.01
AES12hour_100yr             0:30       1.01
AES12hour_100yr             0:45       1.01
AES12hour_100yr             1:00       1.01
AES12hour_100yr             1:15       1.01
AES12hour_100yr             1:30       1.01
AES12hour_100yr             1:45       1.01
AES12hour_100yr             2:00       1.01
AES12hour_100yr             2:15       5.81
AES12hour_100yr             2:30       5.81
AES12hour_100yr             2:45       5.81
AES12hour_100yr             3:00       5.81
AES12hour_100yr             3:15       16.65
AES12hour_100yr             3:30       16.65
AES12hour_100yr             3:45       16.65
AES12hour_100yr             4:00       16.65
AES12hour_100yr             4:15       44.93
AES12hour_100yr             4:30       44.93
AES12hour_100yr             4:45       44.93
AES12hour_100yr             5:00       44.93
AES12hour_100yr             5:15       12.74
AES12hour_100yr             5:30       12.74
AES12hour_100yr             5:45       12.74
AES12hour_100yr             6:00       12.74
AES12hour_100yr             6:15       6.82
AES12hour_100yr             6:30       6.82
AES12hour_100yr             6:45       6.82
AES12hour_100yr             7:00       6.82
```

```
AES12hour_100yr             7:15       3.91
AES12hour_100yr             7:30       3.91
AES12hour_100yr             7:45       3.91
AES12hour_100yr             8:00       3.91
AES12hour_100yr             8:15       1.90
AES12hour_100yr             8:30       1.90
AES12hour_100yr             8:45       1.90
AES12hour_100yr             9:00       1.90
AES12hour_100yr             9:15       1.01
AES12hour_100yr             9:30       1.01
AES12hour_100yr             9:45       1.01
AES12hour_100yr             10:00      1.01
AES12hour_100yr             10:15      1.01
AES12hour_100yr             10:30      1.01
AES12hour_100yr             10:45      1.01
AES12hour_100yr             11:00      1.01
AES12hour_100yr             11:15      1.01
AES12hour_100yr             11:30      1.01
AES12hour_100yr             11:45      1.01
AES12hour_100yr             12:00      1.01

;Guelph IDF Curve
AES6hour_100yr              0:15       1.865082087
AES6hour_100yr              0:30       1.865082087
AES6hour_100yr              0:45       1.865082087
AES6hour_100yr              1:00       1.865082087
AES6hour_100yr              1:15       11.19049252
AES6hour_100yr              1:30       11.19049252
AES6hour_100yr              1:45       31.70639362
AES6hour_100yr              2:00       31.70639362
AES6hour_100yr              2:15       85.79376981
AES6hour_100yr              2:30       85.79376981
AES6hour_100yr              2:45       24.24606527
AES6hour_100yr              3:00       24.24606527
AES6hour_100yr              3:15       13.05557399
AES6hour_100yr              3:30       13.05557399
AES6hour_100yr              3:45       7.460328346
AES6hour_100yr              4:00       7.460328346
AES6hour_100yr              4:15       3.730164173
AES6hour_100yr              4:30       3.730164173
AES6hour_100yr              4:45       1.865082087
```

```
AES6hour_100yr              5:00       1.865082087
AES6hour_100yr              5:15       1.865082087
AES6hour_100yr              5:30       1.865082087
AES6hour_100yr              5:45       1.865082087
AES6hour_100yr              6:00       1.865082087

CC_AES12hour_100yr            0:15       1.78
CC_AES12hour_100yr            0:30       1.78
CC_AES12hour_100yr            0:45       1.78
CC_AES12hour_100yr            1:00       1.78
CC_AES12hour_100yr            1:15       1.78
CC_AES12hour_100yr            1:30       1.78
CC_AES12hour_100yr            1:45       1.78
CC_AES12hour_100yr            2:00       1.78
CC_AES12hour_100yr            2:15       10.26
CC_AES12hour_100yr            2:30       10.26
CC_AES12hour_100yr            2:45       10.26
CC_AES12hour_100yr            3:00       10.26
CC_AES12hour_100yr            3:15       29.40
CC_AES12hour_100yr            3:30       29.40
CC_AES12hour_100yr            3:45       29.40
CC_AES12hour_100yr            4:00       29.40
CC_AES12hour_100yr            4:15       79.33
CC_AES12hour_100yr            4:30       79.33
CC_AES12hour_100yr            4:45       79.33
CC_AES12hour_100yr            5:00       79.33
CC_AES12hour_100yr            5:15       22.50
CC_AES12hour_100yr            5:30       22.50
CC_AES12hour_100yr            5:45       22.50
CC_AES12hour_100yr            6:00       22.50
CC_AES12hour_100yr            6:15       12.04
CC_AES12hour_100yr            6:30       12.04
CC_AES12hour_100yr            6:45       12.04
CC_AES12hour_100yr            7:00       12.04
CC_AES12hour_100yr            7:15       6.91
CC_AES12hour_100yr            7:30       6.91
CC_AES12hour_100yr            7:45       6.91
CC_AES12hour_100yr            8:00       6.91
CC_AES12hour_100yr            8:15       3.35
CC_AES12hour_100yr            8:30       3.35
CC_AES12hour_100yr            8:45       3.35
```

```
CC_AES12hour_100yr            9:00       3.35
CC_AES12hour_100yr            9:15       1.78
CC_AES12hour_100yr            9:30       1.78
CC_AES12hour_100yr            9:45       1.78
CC_AES12hour_100yr            10:00      1.78
CC_AES12hour_100yr            10:15      1.78
CC_AES12hour_100yr            10:30      1.78
CC_AES12hour_100yr            10:45      1.78
CC_AES12hour_100yr            11:00      1.78
CC_AES12hour_100yr            11:15      1.78
CC_AES12hour_100yr            11:30      1.78
CC_AES12hour_100yr            11:45      1.78
CC_AES12hour_100yr            12:00      1.78

Guelph100Y       01/19/2010 0:00       0
Guelph100Y       01/19/2010 0:05       3.05
Guelph100Y       01/19/2010 0:10       3.33
Guelph100Y       01/19/2010 0:15       3.7
Guelph100Y       01/19/2010 0:20       4.14
Guelph100Y       01/19/2010 0:25       4.68
Guelph100Y       01/19/2010 0:30       5.34
Guelph100Y       01/19/2010 0:35       6.18
Guelph100Y       01/19/2010 0:40       7.26
Guelph100Y       01/19/2010 0:45       8.89
Guelph100Y       01/19/2010 0:50       10.63
Guelph100Y       01/19/2010 0:55       13.39
Guelph100Y       01/19/2010 1:00       17.51
Guelph100Y       01/19/2010 1:05       24.1
Guelph100Y       01/19/2010 1:10       35.69
Guelph100Y       01/19/2010 1:15       59.35
Guelph100Y       01/19/2010 1:20       121.59
Guelph100Y       01/19/2010 1:25       239.35
Guelph100Y       01/19/2010 1:30       137.52
Guelph100Y       01/19/2010 1:35       80.54
Guelph100Y       01/19/2010 1:40       53.35
Guelph100Y       01/19/2010 1:45       38.19
Guelph100Y       01/19/2010 1:50       28.84
Guelph100Y       01/19/2010 1:55       22.65
Guelph100Y       01/19/2010 2:00       18.33
Guelph100Y       01/19/2010 2:05       15.19
Guelph100Y       01/19/2010 2:10       12.83
```

Guelph100Y	01/19/2010 2:15	11
Guelph100Y	01/19/2010 2:20	9.56
Guelph100Y	01/19/2010 2:25	8.41
Guelph100Y	01/19/2010 2:30	7.46
Guelph100Y	01/19/2010 2:35	6.68
Guelph100Y	01/19/2010 2:40	6.02
Guelph100Y	01/19/2010 2:45	5.49
Guelph100Y	01/19/2010 2:50	4.99
Guelph100Y	01/19/2010 2:55	4.58
Guelph100Y	01/19/2010 3:00	4.22
Guelph100Y	01/19/2010 3:05	3.91
Guelph100Y	01/19/2010 3:10	3.63
Guelph100Y	01/19/2010 3:15	3.38
Guelph100Y	01/19/2010 3:20	3.17
Guelph100Y	01/19/2010 3:25	3.05
Guelph100Y	01/19/2010 3:30	0
Guelph5Y	01/19/2010 0:00	0
Guelph5Y	01/19/2010 0:05	3.06
Guelph5Y	01/19/2010 0:10	3.35
Guelph5Y	01/19/2010 0:15	3.7
Guelph5Y	01/19/2010 0:20	4.13
Guelph5Y	01/19/2010 0:25	4.68
Guelph5Y	01/19/2010 0:30	5.37
Guelph5Y	01/19/2010 0:35	6.3
Guelph5Y	01/19/2010 0:40	7.59
Guelph5Y	01/19/2010 0:45	9.48
Guelph5Y	01/19/2010 0:50	12.46
Guelph5Y	01/19/2010 0:55	17.72
Guelph5Y	01/19/2010 1:00	28.8
Guelph5Y	01/19/2010 1:05	61.69
Guelph5Y	01/19/2010 1:10	139.29
Guelph5Y	01/19/2010 1:15	70.6
Guelph5Y	01/19/2010 1:20	39.22
Guelph5Y	01/19/2010 1:25	25.91
Guelph5Y	01/19/2010 1:30	18.86
Guelph5Y	01/19/2010 1:35	14.61
Guelph5Y	01/19/2010 1:40	11.81
Guelph5Y	01/19/2010 1:45	9.86
Guelph5Y	01/19/2010 1:50	8.42
Guelph5Y	01/19/2010 1:55	7.33

```
Guelph5Y         01/19/2010 2:00       6.48
Guelph5Y         01/19/2010 2:05       5.8
Guelph5Y         01/19/2010 2:10       5.24
Guelph5Y         01/19/2010 2:15       4.78
Guelph5Y         01/19/2010 2:20       4.39
Guelph5Y         01/19/2010 2:25       4.05
Guelph5Y         01/19/2010 2:30       3.77
Guelph5Y         01/19/2010 2:35       3.52
Guelph5Y         01/19/2010 2:40       3.3
Guelph5Y         01/19/2010 2:45       3.1
Guelph5Y         01/19/2010 2:50       3.05
Guelph5Y         01/19/2010 2:55       0

;Rainfall (mm/hr)
Hurricane_Hazel_(0-25) 01/19/2010 00:00:00   6.33
Hurricane_Hazel_(0-25) 01/19/2010 01:00:00   4.22
Hurricane_Hazel_(0-25) 01/19/2010 02:00:00   6.33
Hurricane_Hazel_(0-25) 01/19/2010 03:00:00   12.66
Hurricane_Hazel_(0-25) 01/19/2010 04:00:00   16.88
Hurricane_Hazel_(0-25) 01/19/2010 05:00:00   12.66
Hurricane_Hazel_(0-25) 01/19/2010 06:00:00   23.21
Hurricane_Hazel_(0-25) 01/19/2010 07:00:00   12.66
Hurricane_Hazel_(0-25) 01/19/2010 08:00:00   12.66
Hurricane_Hazel_(0-25) 01/19/2010 09:00:00   52.75
Hurricane_Hazel_(0-25) 01/19/2010 10:00:00   37.98
Hurricane_Hazel_(0-25) 01/19/2010 11:00:00   12.66

[REPORT]
;;Reporting Options
INPUT      NO
CONTROLS   NO
SUBCATCHMENTS ALL
NODES ALL
LINKS ALL

[TAGS]
Subcatch   A1               WETLAND
Subcatch   A1.1             SUB
Subcatch   A1.1_FRST        FOREST
Subcatch   A2               WETLAND
Subcatch   A2.1             SUB
```

```
Subcatch   A2.1_FRST        FOREST
Subcatch   A2.2             SUB
Subcatch   A2.2_FRST        FOREST
Subcatch   A3               WETLAND
Subcatch   A3.1             SUB
Subcatch   A3.1_FRST        FOREST
Subcatch   A3.2             SUB
Subcatch   A3.2_FRST        FOREST
Subcatch   A3.3             SUB
Subcatch   A3.3_FRST        FOREST
Subcatch   A4               WETLAND
Subcatch   A4.1             SUB
Subcatch   A4.1_FRST        FOREST
Subcatch   A4.2             SUB
Subcatch   A4.2_FRST        FOREST
Subcatch   A4.3             SUB
Subcatch   A4.3_FRST        FOREST
Subcatch   A4.4_FRST        FOREST
Subcatch   A4.5             SUB
Subcatch   A4.5_FRST        FOREST
Subcatch   A4.6             SUB
Subcatch   A4.6_FRST        FOREST
Subcatch   B1               WETLAND
Subcatch   B1.1             SUB
Subcatch   B1.1_FRST        FOREST
Subcatch   B2               WETLAND
Subcatch   B2.1             SUB
Subcatch   B2.1_FRST        FOREST
Subcatch   C1               WETLAND
Subcatch   C1.1             SUB
Subcatch   C1.1_FRST        FOREST
Subcatch   D1               WETLAND
Subcatch   D1.1             SUB
Subcatch   D1.1_FRST        FOREST
Subcatch   D2               WETLAND
Subcatch   D2.1             SUB
Subcatch   D2.1_FRST        FOREST
Subcatch   D3               WETLAND
Subcatch   D3.1             SUB
Subcatch   D4               WETLAND
Subcatch   D4.1             SUB
```

```
Subcatch   D4.1_FRST        FOREST
Subcatch   E1               WETLAND
Subcatch   E1.1             SUB
Subcatch   E1.1_FRST        FOREST
Subcatch   E2               WETLAND
Subcatch   E2.1             SUB
Subcatch   E2.1_FRST        FOREST
Subcatch   E3               WETLAND
Subcatch   E3.1             SUB
Subcatch   E3.1_FRST        FOREST
Node       13               PEAKFLOW
Node       14               OVERFLOW
Node       18               PEAKFLOW
Node       20               OVERFLOW
Node       21               PEAKFLOW
Node       22               PEAKFLOW
Node       28               OVERFLOW
Node       31               PEAKFLOW
Node       37               OVERFLOW
Node       40               OVERFLOW
Node       42               OVERFLOW
Node       48               OVERFLOW
Node       49               OVERFLOW
Node       5                PEAKFLOW
Node       50               OVERFLOW
Node       54               OVERFLOW
Node       56               PEAKFLOW
Node       7                OVERFLOW
Node       9                PEAKFLOW
Link       45               OVERFLOW
Link       46               OVERFLOW
Link       49               OVERFLOW
Link       51               OVERFLOW
Link       53               OVERFLOW
Link       55               OVERFLOW
Link       56               OVERFLOW
Link       59               OVERFLOW
Link       61               OVERFLOW
Link       62               OVERFLOW
Link       64               OVERFLOW
Link       66               OVERFLOW
```

```
Link       67               OVERFLOW

[MAP]
DIMENSIONS       560049.17765     4813980.0537     566747.96535     4819891.9223
UNITS            Meters

[COORDINATES]
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17               561555.781       4817211.295
18               562426.62        4818157.29
19               562538.173       4818252.284
2                563971.394       4816882.676
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21               562545.175       4815756.588
22               562792.469       4817889.143
24               562914.204       4817643.271
25               562839.502       4817808.814
26               563392.315       4814809.546
27               563008.362       4815059.447
28               564101.861       4817495.179
29               562658.413       4815370.702
3                563813.34        4818552.225
30               562518.57        4815887.312
31               562509.891       4815976.414
32               562389.177       4816125.495
34               562132.804       4816343.723
35               562141.559       4816415.771
36               562019.922       4816837.051
37               562691.445       4818224.496
39               562260.757       4815366.47
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40               562735.784       4816716.891
42               562653.629       4817959.571
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9	563050.32	4817206.188
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A3_OVERFLOW      564177.266       4817460.314
A4_OVERFLOW      562656.581       4817108.27
B1_OVERFLOW      562678.764       4818207.971
B2_OVERFLOW      562673.166       4817976.317
C1_OVERFLOW      562759.524       4816755.468
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D2_OVERFLOW      562471.201       4815795.315
D3_OVERFLOW      562116.578       4815374.381
D4_OVERFLOW      562190.189       4816228.26
E1_OVERFLOW      561769.428       4817078.165
E2_OVERFLOW      561644.706       4817137.04
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S_A2             564205.531       4818312.731
S_A3             564036.065       4817417.223
S_A4             562617.333       4817058.883
S_B1             562661.083       4818230.094
S_B2             562675.899       4817950.609
S_C1             562706.825       4816745.111
S_D1             562764.047       4815308.421
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[VERTICES]
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[POLYGONS]
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A3	564891.335	4817148.539
A3	564887.474	4817148.829
A3	564886.174	4817149.269
A3	564883.794	4817149.529
A3	564878.234	4817151.379
A3	564875.595	4817151.65
A3	564872.414	4817152.439
A3	564870.304	4817152.969
A3	564868.454	4817152.969
A3	564865.534	4817153.239
A3	564862.894	4817153.239
A3	564860.514	4817153.498
A3	564858.394	4817152.969
A3	564856.274	4817152.708
A3	564854.694	4817152.439
A3	564852.834	4817151.379
A3	564847.814	4817149
A3	564845.694	4817147.149

A3	564843.844	4817144.769
A3	564842.884	4817142.279
A3	564836.334	4817138.539
A3	564818.334	4817126.539
A3	564806.778	4817117.545
A3	564800.334	4817112.529
A3	564784.334	4817098.529
A3	564772.334	4817086.529
A3	564764.334	4817075.53
A3	564755.325	4817061.507
A3	564750.335	4817050.53
A3	564747.335	4817043.529
A3	564746.712	4817042.906
A3	564742.335	4817038.53
A3	564740.114	4817038.529
A3	564738.075	4817036.83
A3	564724.824	4817025.789
A3	564714.244	4817025.789
A3	564698.364	4817039.019
A3	564682.494	4817052.249
A3	564666.614	4817068.119
A3	564642.804	4817086.639
A3	564623.699	4817101.34
A3	564620.334	4817103.929
A3	564617.334	4817104.529
A3	564601.336	4817107.529
A3	564583.334	4817112.529
A3	564574.639	4817113.109
A3	564569.554	4817116.049
A3	564561.683	4817117.479
A3	564555.244	4817116.759
A3	564544.504	4817115.329
A3	564539.702	4817113.528
A3	564538.784	4817113.179
A3	564532.01	4817111.828
A3	564531.623	4817111.75
A3	564527.324	4817110.319
A3	564519.454	4817106.739
A3	564510.144	4817107.459
A3	564500.844	4817108.889
A3	564490.825	4817110.319

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A3              564485.814      4817110.319
A3              564485.646      4817110.383
A3              564482.765      4817111.489
A3              564476.504      4817113.899
A3              564470.064      4817115.329
A3              564460.754      4817118.188
A3              564446.444      4817117.479
A3              564437.854      4817116.049
A3              564429.264      4817115.329
A3              564424.974      4817112.469
A3              564421.394      4817108.169
A3              564415.664      4817103.159
A3              564412.804      4817098.15
A3              564412.084      4817093.139
A3              564412.084      4817085.979
A3              564412.804      4817078.109
A3              564412.835      4817077.752
A3              564412.884      4817077.209
A3              564413.514      4817070.239
A3              564415.664      4817061.65
A3              564418.524      4817048.76
A3              564415.664      4817043.039
A3              564407.074      4817035.879
A3              564404.214      4817030.149
A3              564399.204      4817022.999
A3              564396.334      4817015.119
A3              564391.324      4817009.399
A3              564390.354      4817008.279
A3              564389.316      4817007.095
A3              564386.314      4817003.669
A3              564384.162      4817000.224
;Part2: A3
A3              564785.433      4817246.268
A3              564789.865      4817246.547
A3              564792.355      4817246.268
A3              564791.805      4817247.377
A3              564790.422      4817249.038
A3              564787.374      4817251.251
A3              564785.154      4817252.909
A3              564781.555      4817255.129
A3              564781.238      4817255.169
```

A3	564779.343	4817255.408
A3	564777.682	4817254.851
A3	564774.912	4817252.911
A3	564772.973	4817251.529
A3	564770.482	4817251.251
A3	564768.083	4817251.492
A3	564767.712	4817251.529
A3	564765.773	4817251.251
A3	564762.726	4817249.868
A3	564761.896	4817247.65
A3	564760.513	4817245.16
A3	564759.125	4817243.498
A3	564756.912	4817242.111
A3	564755.804	4817240.177
A3	564755.693	4817239.625
A3	564755.244	4817237.41
A3	564754.143	4817234.638
A3	564753.575	4817233.162
A3	564752.755	4817231.037
A3	564753.864	4817229.098
A3	564756.355	4817226.88
A3	564758.294	4817224.666
A3	564759.684	4817220.239
A3	564759.955	4817216.357
A3	564760.234	4817211.097
A3	564761.617	4817206.667
A3	564763.003	4817203.619
A3	564765.495	4817202.511
A3	564770.482	4817201.128
A3	564773.804	4817203.341
A3	564778.234	4817205.28
A3	564781.282	4817208.049
A3	564781.834	4817212.201
A3	564781.834	4817216.632
A3	564781.004	4817221.067
A3	564781.003	4817224.941
A3	564780.174	4817229.098
A3	564780.174	4817232.971
A3	564781.247	4817235.122
A3	564781.555	4817235.741
A3	564781.556	4817239.341

A3	564781.432	4817240.089
A3	564781.282	4817241.008
A3	564781.428	4817242.335
A3	564781.556	4817243.498
A3	564783.773	4817245.437
A3	564785.433	4817246.268
A3.1	563865.573	4817838.43
A3.1	563867.305	4817845.87
A3.1	563877.062	4817855.151
A3.1	563858.384	4817878.243
A3.1	563874.345	4817911.524
A3.1	563935.019	4817975.878
A3.1	564126.048	4818121.548
A3.1	564131.385	4818116.469
A3.1	564138.243	4818109.94
A3.1	564138.581	4818109.618
A3.1	564145.101	4818103.411
A3.1	564151.961	4818096.882
A3.1	564159.324	4818089.872
A3.1	564168.493	4818081.145
A3.1	564172.75	4818077.092
A3.1	564180.766	4818069.461
A3.1	564187.506	4818063.045
A3.1	564191.701	4818053.329
A3.1	564200.387	4818033.205
A3.1	564204.532	4818023.603
A3.1	564199.986	4818006.941
A3.1	564198.012	4817999.707
A3.1	564189.429	4817990.761
A3.1	564177.556	4817978.386
A3.1	564170.265	4817970.788
A3.1	564162.975	4817963.189
A3.1	564155.684	4817955.59
A3.1	564148.394	4817947.992
A3.1	564141.103	4817940.393
A3.1	564133.812	4817932.794
A3.1	564126.522	4817925.196
A3.1	564119.231	4817917.597
A3.1	564111.941	4817909.999
A3.1	564105.345	4817903.124
A3.1	564098.748	4817896.249

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A3.1             564092.152       4817889.374
A3.1             564085.556       4817882.499
A3.1             564078.96        4817875.624
A3.1             564072.364       4817868.749
A3.1             564065.767       4817861.874
A3.1             564059.171       4817854.999
A3.1             564052.575       4817848.124
A3.1             564045.978       4817841.25
A3.1             564039.73        4817834.737
A3.1             564033.481       4817828.224
A3.1             564027.232       4817821.711
A3.1             564020.982       4817815.198
A3.1             564014.734       4817808.684
A3.1             564008.485       4817802.171
A3.1             564002.236       4817795.658
A3.1             563993.209       4817786.251
A3.1             563980.6         4817773.109
A3.1             563965.391       4817757.257
A3.1             563959.735       4817759.832
A3.1             563937.518       4817769.943
A3.1             563921.732       4817784.971
A3.1             563906.67        4817799.309
A3.1             563887.369       4817817.682
A3.1             563879.25        4817825.41
A3.1             563865.573       4817838.43
;Part2: A3.1
A3.1             563808.608       4817593.851
A3.1             563836.711       4817714.511
A3.1             563900.795       4817689.932
A3.1             563833.082       4817619.358
A3.1             563808.608       4817593.851
......
Too many subcatchment entities (247 in total).

[SYMBOLS]
;;Gage           X-Coord          Y-Coord
;;-------------- ---------------- ----------------
```

H.08 Input for PCSWMM for Scenario 8

```
[TITLE]
Climate Change Model of Scenario 3

[OPTIONS]
;;Options            Value
;;------------------ ------------
FLOW_UNITS           CMS
INFILTRATION         GREEN_AMPT
FLOW_ROUTING         DYNWAVE
LINK_OFFSETS         ELEVATION
MIN_SLOPE            0
ALLOW_PONDING        NO
SKIP_STEADY_STATE    NO

START_DATE           09/01/2021
START_TIME           00:00:00
REPORT_START_DATE    09/01/2021
REPORT_START_TIME    00:00:00
END_DATE             09/04/2021
END_TIME             00:00:00
SWEEP_START          01/01
SWEEP_END            12/31
DRY_DAYS             0
REPORT_STEP          00:05:00
WET_STEP             00:05:00
DRY_STEP             00:15:00
ROUTING_STEP         1
RULE_STEP            00:00:00

INERTIAL_DAMPING     PARTIAL
NORMAL_FLOW_LIMITED  BOTH
FORCE_MAIN_EQUATION  H-W
VARIABLE_STEP        0.75
LENGTHENING_STEP     1
MIN_SURFAREA         0
MAX_TRIALS           8
HEAD_TOLERANCE       0.0015
SYS_FLOW_TOL         5
LAT_FLOW_TOL         5
MINIMUM_STEP         0.5
THREADS              4
```

```
[EVAPORATION]
;;Type          Parameters
;;------------- ----------
MONTHLY          0.0    0.0    0.0    1.06   2.48   3.6    4.13   3.61   2.43   1.19   0.3    0.0
DRY_ONLY         NO

[RAINGAGES]
;;                     Rain      Time     Snow     Data
;;Name                 Type      Intrvl   Catch    Source
;;-------------------- --------- -------- -------- ----------
AES12hour_100year      INTENSITY 0:15     1.0      TIMESERIES AES12hour_100yr
AES6hour_100year       INTENSITY 0:15     1.0      TIMESERIES AES6hour_100yr
CC_AES12hour_100yr     INTENSITY 0:15     1.0      TIMESERIES CC_AES12hour_100yr
DSGauge                INTENSITY 0:05     1.0      TIMESERIES Guelph100Y
Hurricane_Hazel_(0-25) INTENSITY 01:00    1.0      TIMESERIES Hurricane_Hazel_(0-25)

[SUBCATCHMENTS]
;;                                                 Total    Pcnt.             Pcnt.    Curb     Snow
;;Name           Raingage         Outlet           Area     Imperv   Width    Slope    Length   Pack
;;-------------- ---------------- ---------------- -------- -------- -------- -------- -------- --------
A1               CC_AES12hour_100yr 14             8.37858  31       837.858  2.55     0
A1.1             CC_AES12hour_100yr 1              42.8127  31       4281.27  2.55     0
A1.1_FRST        CC_AES12hour_100yr A1             3.63836  5        382.985  4.569    0
A2               CC_AES12hour_100yr 20             11.49151 26       1149.151 4.893    0
A2.1             CC_AES12hour_100yr 3              12.9012  20       1290.12  4.465    0
;05
A2.1_FRST        CC_AES12hour_100yr A2             3.27903  5        364.337  5.888    0
A2.2             CC_AES12hour_100yr 3              8.44264  34       844.264  5.546    0
A2.2_FRST        CC_AES12hour_100yr A2             2.22057  5        296.076  4.679    0
;01
A3               CC_AES12hour_100yr 28             56.7748  27       5677.48  2.341    0
A3.1             CC_AES12hour_100yr 6              6.44601  22       644.601  4.32     0
A3.1_FRST        CC_AES12hour_100yr A3             13.18801 5        712.865  6.361    0
A3.2             CC_AES12hour_100yr 6              32.32076 36       3232.076 3.055    0
A3.2_FRST        CC_AES12hour_100yr A3             7.39984  5        528.56   2.441    0
A3.3             CC_AES12hour_100yr 28             70.21898 23       7021.898 1.831    0
A3.3_FRST        CC_AES12hour_100yr A3             17.13255 5        815.836  2.072    0
;02
A4               CC_AES12hour_100yr 7              100.51695 40      11422.381 3.52    0
A4.1             CC_AES12hour_100yr 9              1.02924  20       205.848  12.11    0
```

```
A4.1_FRST        CC_AES12hour_100yr A4             5.52575  5        251.17   12.609   0
A4.2             CC_AES12hour_100yr 8              9.80983  29       980.983  3.264    0
A4.2_FRST        CC_AES12hour_100yr A4             16.15059 5        807.53   3.234    0
A4.3             CC_AES12hour_100yr 8              46.96537 61       4696.537 6.754    0
A4.3_FRST        CC_AES12hour_100yr A4             8.10956  5        559.28   2.629    0
A4.4_FRST        CC_AES12hour_100yr A4             18.6402  5        866.986  1.485    0
A4.5             CC_AES12hour_100yr 2              108.8003 29       10880.03 2.616    0
A4.5_FRST        CC_AES12hour_100yr A4             15.02335 5        770.428  4.264    0
A4.6             CC_AES12hour_100yr 2              148.9709 52       14897.09 3.51     0
A4.6_FRST        CC_AES12hour_100yr A4             60.75746 5        1557.884 5.817    0
B1               CC_AES12hour_100yr 37             3.0847   16       856.861  1.137    0
B1.1             CC_AES12hour_100yr 4              0.99721  20       199.442  3.723    0
;06
B1.1_FRST        CC_AES12hour_100yr B1             3.70213  5        370.213  2.416    0
;03
B2               CC_AES12hour_100yr 42             2.9118   14       746.615  2.9      0
B2.1             CC_AES12hour_100yr 18             6.4804   11       648.04   8.395    0
B2.1_FRST        CC_AES12hour_100yr B2             8.06289  5        556.061  4.141    0
C1               CC_AES12hour_100yr 40             3.1551   61       350.567  2.612    0
C1.1             CC_AES12hour_100yr 40             123.3055 61       12330.55 2.612    0
C1.1_FRST        CC_AES12hour_100yr C1             2.78849  5        328.058  5.115    0
D1               CC_AES12hour_100yr 48             13.15501 61       1315.501 2.621    0
D1.1             CC_AES12hour_100yr 27             119.81733 61      11981.733 2.621   0
;07
D1.1_FRST        CC_AES12hour_100yr D1             30.3332  5        1103.025 1.654    0
D2               CC_AES12hour_100yr 21             17.56726 54       1756.726 1.309    0
D2.1             CC_AES12hour_100yr 21             52.2425  54       5224.25  1.309    0
D2.1_FRST        CC_AES12hour_100yr D2             19.03354 5        865.161  1.199    0
D3               CC_AES12hour_100yr 49             5.6119   60       561.19   4.474    0
D3.1             CC_AES12hour_100yr 49             36.1347  60       3613.47  4.474    0
;04
D4               CC_AES12hour_100yr 50             3.51993  35       495.765  1.49     0
D4.1             CC_AES12hour_100yr 50             23.40875 53       2340.875 1.568    0
D4.1_FRST        CC_AES12hour_100yr D4             13.64864 5        737.764  1.949    0
E1               CC_AES12hour_100yr 53             2.92807  18       636.537  1.66     0
E1.1             CC_AES12hour_100yr 53             18.00759 23       1800.759 3.079    0
;08
E1.1_FRST        CC_AES12hour_100yr E1             32.85577 5        1132.958 2.328    0
E2               CC_AES12hour_100yr 54             0.78579  19       174.62   4.9      0
E2.1             CC_AES12hour_100yr 54             9.27285  19       927.285  4.9      0
E2.1_FRST        CC_AES12hour_100yr E2             0.87158  5        174.316  6.307    0
```

E3	CC_AES12hour_100yr	56	14.02097	22	1402.097	12.425	0
E3.1	CC_AES12hour_100yr	56	22.8162	22	2281.62	12.425	0
E3.1_FRST	CC_AES12hour_100yr	E3	13.0633	5	725.739	8.365	0
HC01-01	CC_AES12hour_100yr	PWOPRMHS0001937	6.22	28.7	1269.388	3.5	0
HC01-02	CC_AES12hour_100yr	PWOPRMHS0001695	2.27	24.8	504.444	4.2	0
HC01-03	CC_AES12hour_100yr	PWOPRMHS0001925	1.2	24.8	173.913	7.1	0
HC01-04	CC_AES12hour_100yr	SWMPOND	2.49	19.4	415	4.2	0
HC01-05	CC_AES12hour_100yr	PWOPRMHS0001939	2.5	24.8	500	6.3	0
HC01-06	CC_AES12hour_100yr	PWOPRMHS0001928	1.32	24.8	197.015	6.7	0
HC01-07	CC_AES12hour_100yr	PWOPRMHS0001944	0.7	24.8	159.091	0.8	0
HC01-08	CC_AES12hour_100yr	PWOPRMHS0001930	0.52	24.8	70.27	10	0
HC01-09	CC_AES12hour_100yr	PWOPRMHS0001947	0.66	24.8	160.976	1.3	0
HC01-10	CC_AES12hour_100yr	PWOPRMHS0001929	1.14	24.8	156.164	7.8	0
HC01-11	CC_AES12hour_100yr	PWOPRMHS0001933	1.39	24.8	217.187	3.3	0
HC01-12	CC_AES12hour_100yr	PWOPRMHS0001943	3.1	24.8	720.93	3.9	0
HC02-01	CC_AES12hour_100yr	PWOPRMHS0001622	0.37	37.3	115.625	0.9	0
HC02-02	CC_AES12hour_100yr	PWOPRMHS0001413	2.17	50.4	678.125	0.4	0
HC02-03	CC_AES12hour_100yr	PWOPRMHS0001412	0.19	43.2	59.375	0.8	0
HC02-04	CC_AES12hour_100yr	PWOPRMHS0001411	0.41	29.2	128.125	5	0
HC02-05	CC_AES12hour_100yr	PWOPRMHS0001764	2.96	14.8	925	2.6	0
HC02-06	CC_AES12hour_100yr	PWOPRMHS0001768	1.79	15.2	577.419	1.4	0
HC02-07	CC_AES12hour_100yr	PWOPRMHS0001767	0.78	12.8	243.75	0.6	0
HC02-08	CC_AES12hour_100yr	PWOPRMHS0001409	1.26	11.6	393.75	1.4	0
HC02-09	CC_AES12hour_100yr	PWOPRMHS0001410	0.87	13.6	263.636	0.5	0
HC02-10	CC_AES12hour_100yr	PWOPRMHS0001634	0.94	12.4	293.75	0.8	0
HC02-11	CC_AES12hour_100yr	PWOPRMHS0001791	1.49	13.6	465.625	1	0
HC02-12	CC_AES12hour_100yr	PWOPRMHS0001797	2.15	12.4	651.515	0.3	0
HC02-13	CC_AES12hour_100yr	PWOPRMHS0001792	0.84	11.6	262.5	0.6	0
HC02-14	CC_AES12hour_100yr	PWOPRMHS0001836	0.92	12	270.588	1.1	0
HC02-15	CC_AES12hour_100yr	PWOPRMHS0001788	1.6	13.2	470.588	2.5	0
HC02-16	CC_AES12hour_100yr	PWOPRMHS0001403	0.51	14	150	2.5	0
HC02-17	CC_AES12hour_100yr	PWOPRMHS0001403	2.36	13.2	715.152	1.1	0
HC02-18	CC_AES12hour_100yr	PWOPRMHS0001433	3.83	14	1160.606	3.3	0
HC02-19	CC_AES12hour_100yr	PWOPRMHS0001418	1.52	14.4	460.606	0.1	0
HC02-20	CC_AES12hour_100yr	PWOPRMHS0001804	0.44	35.2	275	1.3	0
HC02-21	CC_AES12hour_100yr	PWOPRMHS0001903	3.51	14.4	1002.857	0.9	0
HC02-22	CC_AES12hour_100yr	PWOPRMHS0001914	2.97	14.4	900	0.8	0
HC02-23	CC_AES12hour_100yr	PWOPRMHS0001858	0.4	42.8	160	1.1	0
HC02-24	CC_AES12hour_100yr	PWOPRMHS0001915	0.07	58.4	58.333	1.8	0
HC02-25	CC_AES12hour_100yr	PWOPRMHS0001916	1.13	45.9	513.636	2.9	0
HC02-26	CC_AES12hour_100yr	PWOPRMHS0001855	0.34	54.8	170	4.8	0

HC02-27	CC_AES12hour_100yr	PWOPRMHS0001857	0.75	18	227.273	5.1	0
HC02-28	CC_AES12hour_100yr	PWOPRMHS0001436	0.57	18	172.727	2.8	0
HC02-29	CC_AES12hour_100yr	PWOPRMHS0001435	0.53	40	160.606	0.9	0
HC02-30	CC_AES12hour_100yr	PWOPRMHS0001918	1.48	1.2	462.5	0.3	0
HC02-31	CC_AES12hour_100yr	PWOPRMHS0001908	2.42	15.2	711.765	1.8	0
HC02-32	CC_AES12hour_100yr	PWOPRMHS0001917	2.15	14.4	632.353	3.2	0
HC02-33	CC_AES12hour_100yr	PWOPRMHS0001917	0.83	15.2	244.118	0.5	0
HC02-34	CC_AES12hour_100yr	PWOPRMHS0001906	0.3	26	88.235	4.5	0
HC02-35	CC_AES12hour_100yr	PWOPRMHS0001912	1	1.6	333.333	0.8	0
HC02-36	CC_AES12hour_100yr	MHSWM4	0.44	5.6	440	2.1	0
HC02-37	CC_AES12hour_100yr	PWOPRMHS0001912	1.01	5.2	480.952	2.2	0
HC02-38	CC_AES12hour_100yr	PWOPRMHS0001765	3.11	13.6	914.706	0.5	0
HC02-39	CC_AES12hour_100yr	PWOPRMHS0001867	0.88	11.6	266.667	0.1	0
HC03-01	CC_AES12hour_100yr	PWOPRMHS0001626	2.24	32	1066.667	0.4	0
HC03-02	CC_AES12hour_100yr	PWOPRMHS0001625	0.8	15.2	258.065	3.1	0
HC03-03	CC_AES12hour_100yr	PWOPRMHS0001651	0.13	18.8	76.471	5.3	0
HC03-04	CC_AES12hour_100yr	PWOPRMHS0001655	1.03	18.8	343.333	2	0
HC03-05	CC_AES12hour_100yr	PWOPRMHS0001649	0.33	36.8	173.684	2.3	0
HC03-06	CC_AES12hour_100yr	PWOPRMHS0001659	5.16	13.8	1563.636	3.3	0
HC03-07	CC_AES12hour_100yr	PWOPRMHS0001658	1.81	15.2	583.871	1.5	0
HC03-08	CC_AES12hour_100yr	PWOPRMHS0002082	4.36	15.5	1321.212	3.5	0
HC03-09	CC_AES12hour_100yr	PWOPRMHS0002085	1.94	23.3	485	1.3	0
HC03-10	CC_AES12hour_100yr	PWOPRMHS0002084	1.69	12	512.121	1.9	0
HC03-11	CC_AES12hour_100yr	PWOPRMHS0002080	2.51	16.5	627.5	2.8	0
HC03-12	CC_AES12hour_100yr	PWOPRMHS0001891	1.18	14	357.576	0.3	0
HC03-13	CC_AES12hour_100yr	PWOPRMHS0001889	0.38	18.8	180.952	0.8	0
HC03-14	CC_AES12hour_100yr	PWOPRMHS0001890	0.13	58.4	56.522	0.7	0
HC03-15	CC_AES12hour_100yr	PWOPRMHS0001894	0.62	13.6	187.879	1.6	0
HC03-16	CC_AES12hour_100yr	PWOPRMHS0001660	0.31	21.2	100	1.1	0
HC03-17	CC_AES12hour_100yr	PWOPRMHS0001657	0.12	36.8	75	2.2	0
HC03-18	CC_AES12hour_100yr	PWOPRMHS0001663	0.1	64	100	0.4	0
HC03-19	CC_AES12hour_100yr	PWOPRMHS0001661B	7.88	8.4	3940	3.5	0
HC03-20	CC_AES12hour_100yr	PWOPRMHS0001662	1.5	2.4	500	0.6	0
HC04-01	CC_AES12hour_100yr	PWOPRMHS0002042	3.59	18	897.5	0.6	0
HC04-02	CC_AES12hour_100yr	PWOPRMHS0001874	0.66	13.9	200	1.5	0
HC04-03	CC_AES12hour_100yr	PWOPRMHS0001739	1.2	14.9	363.636	1	0
HC04-04	CC_AES12hour_100yr	PWOPRMHS0002041	5.28	18	812.308	1.1	0
HC04-05	CC_AES12hour_100yr	PWOPRMHS0001741	0.62	17.6	182.353	2.6	0
HC04-06	CC_AES12hour_100yr	PWOPRMHS0002051	1.07	17.6	324.242	0.6	0
HC04-07	CC_AES12hour_100yr	PWOPRMHS0001745	0.09	38.4	81.818	0.1	0
HC04-08	CC_AES12hour_100yr	PWOPRMHS0001746	0.34	15.5	79.07	1.5	0

HC04-09	CC_AES12hour_100yr	PWOPRMHS0001692	0.53	17.6	147.222	1	0
HC04-10	CC_AES12hour_100yr	PWOPRMHS0001743	0.62	17.6	177.143	0.6	0
HC04-11	CC_AES12hour_100yr	PWOPRMHS0001691	0.91	16.7	325	1.6	0
HC04-12	CC_AES12hour_100yr	PWOPRMHS0001919	2.2	13.2	687.5	0.7	0
HC04-13	CC_AES12hour_100yr	PWOPRMHS0001690	0.3	15.2	115.385	0.6	0
HC04-14	CC_AES12hour_100yr	PWOPRMHS0002095	2.79	14	734.211	0.3	0
HC04-15	CC_AES12hour_100yr	PWOPRMHS0003153	3.91	14	1221.875	0.8	0
HC04-16	CC_AES12hour_100yr	PWOPRMHS0001680	0.46	15.2	153.333	1	0
HC04-17	CC_AES12hour_100yr	PWOPRMHS0003160	2.26	17.6	904	0.9	0
HC04-18	CC_AES12hour_100yr	PWOPRMHS0003146	0.26	21.1	173.333	0.1	0
HC04-19	CC_AES12hour_100yr	PWOPRMHS0003149	1.3	12	361.111	1.5	0
HC04-20	CC_AES12hour_100yr	PWOPRMHS0003137	0.56	12	169.697	2.4	0
HC04-21	CC_AES12hour_100yr	PWOPRMHS0003136	0.15	17.2	75	1.2	0
HC04-22	CC_AES12hour_100yr	PWOPRMHS0001686	0.23	19.2	104.545	0.8	0
HC04-23	CC_AES12hour_100yr	PWOPRMHS0002046	0.56	17.6	329.412	2.4	0
HC04-24	CC_AES12hour_100yr	PWOPRMHS0001686	0.13	14.4	40.625	5	0
HC04-25	CC_AES12hour_100yr	PWOPRMHS0001682	0.78	13.6	236.364	1.5	0
HC04-26	CC_AES12hour_100yr	PWOPRMHS0001689	0.74	12.8	194.737	0.1	0
HC04-27	CC_AES12hour_100yr	PWOPRMHS0001705	0.36	10.8	109.091	1.4	0
HC04-28	CC_AES12hour_100yr	PWOPRMHS0001705	0.73	15.2	192.105	1.4	0
HC04-29	CC_AES12hour_100yr	PWOPRMHS0001706	3.62	13.6	1096.97	1.1	0
HC04-30	CC_AES12hour_100yr	PWOPRMHS0001678	1.94	14	554.286	1.5	0
HC04-31	CC_AES12hour_100yr	PWOPRMHS0001677	0.48	28	200	0.6	0
HC04-32	CC_AES12hour_100yr	PWOPRMHS0001676	0.34	15.2	97.143	0.8	0
HC04-33	CC_AES12hour_100yr	PWOPRMHS0001713	1.13	13.6	452	0.7	0
HC04-34	CC_AES12hour_100yr	37	1.55	5.6	620	0.6	0
HC04-35	CC_AES12hour_100yr	PWOPRMHS0001688	0.49	13.6	122.5	1.2	0
HC04-36	CC_AES12hour_100yr	PWOPRMHS0002050	2.93	32.5	1085.185	2.4	0
HC05-01	CC_AES12hour_100yr	PWOPRMHS0005188	5.99	12	1711.429	3.8	0
HC05-02	CC_AES12hour_100yr	PWOPRMHS0005196	3.23	12.4	769.048	3.2	0
HC05-03	CC_AES12hour_100yr	PWOPRMHS0005183	0.11	76	110	2.7	0
HC05-04	CC_AES12hour_100yr	PWOPRMHS0005181	0.49	11.2	175	1.1	0
HC05-05	CC_AES12hour_100yr	PWOPRMHS0005179	0.92	15	224.39	0.5	0
HC05-06	CC_AES12hour_100yr	PWOPRMHS0005223	0.42	16.8	140	1.6	0
HC05-07	CC_AES12hour_100yr	PWOPRMHS0005226	0.73	13.2	208.571	1.4	0
HC05-08	CC_AES12hour_100yr	PWOPRMHS0005231	2.2	13.6	628.571	0.9	0
HC05-09	CC_AES12hour_100yr	PWOPRMHS0005229	0.27	13.2	108	0.1	0
HC05-10	CC_AES12hour_100yr	PWOPRMHS0005230	0.35	17.6	250	1.4	0
HC05-11	CC_AES12hour_100yr	24	3.17	5.2	1509.524	1.5	0
HC06-01	CC_AES12hour_100yr	PWOPRMHS0005009	0.32	15.2	160	0.5	0
HC06-02	CC_AES12hour_100yr	PWOPRMHS0005008	0.65	14.8	216.667	0.3	0

HC06-03	CC_AES12hour_100yr	PWOPRMHS0005012	1.49	0	175.294	0.6	0
HC06-04	CC_AES12hour_100yr	PWOPRMHS0005011	1.11	0.4	584.211	0.1	0
HC06-05	CC_AES12hour_100yr	PWOPRMHS0004137	0.35	10.8	109.375	1.1	0
HC06-06	CC_AES12hour_100yr	PWOPRMHS0004135	1.57	12.8	402.564	2.7	0
HC06-07	CC_AES12hour_100yr	PWOPRMHS0004133	0.4	11.2	117.647	5.9	0
HC06-08	CC_AES12hour_100yr	PWOPRMHS0004201	4.15	14.4	1383.333	2.9	0
HC06-09	CC_AES12hour_100yr	PWOPRMHS0004159	2.61	13	1044	3.2	0
HC06-10	CC_AES12hour_100yr	PWOPRMHS0004129	2.4	12.8	705.882	2.9	0
HC06-11	CC_AES12hour_100yr	PWOPRMHS0004130	0.22	17.6	157.143	0.6	0
HC06-12	CC_AES12hour_100yr	PWOPRMHS0004131	0.2	24.8	133.333	0.7	0
HC06-13	CC_AES12hour_100yr	PWOPRMHS0004132	0.28	51.2	93.333	3.7	0
HC06-14	CC_AES12hour_100yr	PWOPRMHS0004143	1.81	23	786.957	0.4	0
HC06-15	CC_AES12hour_100yr	PWOPRMHS0005178	0.12	80	120	0.3	0
HC06-16	CC_AES12hour_100yr	PWOPRMHS0004142	0.28	67	121.739	1.1	0
HC06-17	CC_AES12hour_100yr	PWOPRMHS0004142	1.54	22	550	0.4	0
HC06-18	CC_AES12hour_100yr	PWOPRMHS0005001	2.66	55.4	1209.091	0.4	0
HC06-19	CC_AES12hour_100yr	PWOPRMHS0004999	0.03	80	30	2.5	0
HC06-20	CC_AES12hour_100yr	PWOPRMHS0005000	0.21	80	210	0.4	0
HC06-21	CC_AES12hour_100yr	PWOPRMHS0001598	1.27	67	317.5	0.1	0
HC06-22	CC_AES12hour_100yr	PWOPRMHS0004998	0.06	80	60	1.6	0
HC06-23	CC_AES12hour_100yr	PWOPRMHS0001601	1.5	70	357.143	0.4	0
HC06-24	CC_AES12hour_100yr	PWOPRMHS0001602	0.12	80	120	0.9	0
HC06-25	CC_AES12hour_100yr	PWOPRMHS0001600	3.35	17.6	1046.875	3.8	0
HC06-26	CC_AES12hour_100yr	PWOPRMHS0001605	2.64	25.6	880	0.5	0
HC06-27	CC_AES12hour_100yr	PWOPRMHS0001603	0.16	76	160	0.6	0
HC06-28	CC_AES12hour_100yr	PWOPRMHS0001604	0.2	80	50	0.5	0
HC06-29	CC_AES12hour_100yr	PWOPRMHS0001606	1.24	8	364.706	0.6	0
HC06-30	CC_AES12hour_100yr	PWOPRMHS0001670	0.33	48	100	1.5	0
HC06-31	CC_AES12hour_100yr	42	1.81	1.6	754.167	1.8	0
HC06-32	CC_AES12hour_100yr	PWOPRMHS0005003	1.35	5.2	421.875	0.4	0
HC07-01	CC_AES12hour_100yr	PWOPRMHS0001697	3.02	17.2	915.152	0.2	0
HC07-02	CC_AES12hour_100yr	PWOPRMHS0001733	1.15	18.8	396.552	0.5	0
HC07-03	CC_AES12hour_100yr	PWOPRMHS0001736	0.37	15.2	246.667	0.6	0
HC07-04	CC_AES12hour_100yr	PWOPRMHS0001878	0.34	11.6	100	0.8	0
HC07-05	CC_AES12hour_100yr	PWOPRMHS0001614	0.29	15.2	85.294	0.1	0
HC07-06	CC_AES12hour_100yr	PWOPRMHS0001881	2.06	14	515	0.3	0
HC07-07	CC_AES12hour_100yr	PWOPRMHS0001643	0.38	14	95	1	0
HC07-08	CC_AES12hour_100yr	PWOPRMHS0001642	0.19	57.6	47.5	0.1	0
HC07-09	CC_AES12hour_100yr	PWOPRMHS0001611	0.25	17.6	92.593	3.3	0
HC08-01	CC_AES12hour_100yr	PWOPRMHS0005908	0.69	17.2	222.581	0.7	0
HC08-02	CC_AES12hour_100yr	PWOPRMHS0005909	2.32	18.8	644.444	0.5	0

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HC08-03          CC_AES12hour_100yr PWOPRMHS0005924 2       15.2     588.235  0.4      0
HC08-04          CC_AES12hour_100yr PWOPRMHS0005926 0.69    11.6     143.75   0.6      0
HC08-05          CC_AES12hour_100yr PWOPRMHS0005927 0.65    15.2     191.176  1.1      0
HC08-06          CC_AES12hour_100yr PWOPRMHS0005932 1.18    14       310.526  1        0
HC08-07          CC_AES12hour_100yr PWOPRMHS0005944 0.55    14       134.146  1.4      0
HC08-08          CC_AES12hour_100yr PWOPRMHS0005931 0.41    57.6     215.789  0.4      0
HC08-09          CC_AES12hour_100yr PWOPRMHS0005946 1.78    17.6     508.571  0.5      0
HC08-10          CC_AES12hour_100yr PWOPRMHS0005930 1.32    1.6      660      1.4      0
HC09-01          CC_AES12hour_100yr PWOPRMHS0001390 0.95    20       237.5    0.3      0
HC09-02          CC_AES12hour_100yr PWOPRMHS0001392 1.03    14       302.941  1        0
HC09-03          CC_AES12hour_100yr PWOPRMHS0001402 0.97    15.2     269.444  0.6      0
HC09-04          CC_AES12hour_100yr PWOPRMHS0001395 2.54    11.2     819.355  0.9      0
HC09-05          CC_AES12hour_100yr PWOPRMHS0001398 2.6     12.4     702.703  1.3      0
HC09-06          CC_AES12hour_100yr PWOPRMHS0001401 1.23    12       476.744  0.7      0
HC09-07          CC_AES12hour_100yr 36             0.48     8        266.667  0.3      0
HC10-01          CC_AES12hour_100yr PWOPRMHS0001408 4.47    12.3     1064.286 1.7      0
HC10-02          CC_AES12hour_100yr PWOPRMHS0001467 2.53    28.3     527.083  1.3      0
HC10-03          CC_AES12hour_100yr PWOPRMHS0001393 1.86    26.9     422.727  0.4      0
HC10-04          CC_AES12hour_100yr PWOPRMHS0001424 1.84    15.5     418.182  2.8      0
HC10-05          CC_AES12hour_100yr PWOPRMHS0001389 2.41    14.2     535.556  0.5      0
HC10-06          CC_AES12hour_100yr PWOPRMHS0001388 1.33    12.4     369.444  0.6      0
HC10-07          CC_AES12hour_100yr PWOPRMHS0001429 1.71    16.5     488.571  1.2      0
HC10-08          CC_AES12hour_100yr PWOPRMHS0001371 1.19    14.9     476      3.7      0
HC10-09          CC_AES12hour_100yr MHEasement2    1.39     12.2     315.909  1.1      0
HC10-10          CC_AES12hour_100yr PWOPRMHS0001423 0.28    14.9     93.333   1.9      0
HC10-11          CC_AES12hour_100yr PWOPRMHS0001422 0.27    19.5     158.824  2.1      0
HC10-12          CC_AES12hour_100yr 50             0.9      2.4      428.571  0.7      0
HC10-13          CC_AES12hour_100yr MHEasement1    0.59     16       131.111  0.8      0
HC10-14          CC_AES12hour_100yr PWOPRMHS0001374 0.46    16.3     115      2.1      0
HC10-15          CC_AES12hour_100yr PWOPRMHS0001420 0.4     16.5     160      1.6      0

[SUBAREAS]
;;Subcatchment   N-Imperv   N-Perv     S-Imperv   S-Perv     PctZero    RouteTo    PctRouted
;;-------------- ---------- ---------- ---------- ---------- ---------- ---------- ----------
A1               0.013      0.2        1          5          25         OUTLET
A1.1             0.013      0.2        1          5          25         OUTLET
A1.1_FRST        0.013      0.2        1          7          25         OUTLET
A2               0.013      0.2        1          5          25         OUTLET
A2.1             0.013      0.2        1          5          25         OUTLET
A2.1_FRST        0.013      0.2        1          7          25         OUTLET
A2.2             0.013      0.2        1          5          25         OUTLET
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A2.2_FRST	0.013	0.2	1	7	25	OUTLET
A3	0.013	0.2	1	5	25	OUTLET
A3.1	0.013	0.2	1	5	25	OUTLET
A3.1_FRST	0.013	0.2	1	7	25	OUTLET
A3.2	0.013	0.2	1	5	25	OUTLET
A3.2_FRST	0.013	0.2	1	7	25	OUTLET
A3.3	0.013	0.2	1	5	25	OUTLET
A3.3_FRST	0.013	0.2	1	7	25	OUTLET
A4	0.013	0.2	1	5	25	OUTLET
A4.1	0.013	0.2	1	5	25	OUTLET
A4.1_FRST	0.013	0.2	1	7	25	OUTLET
A4.2	0.013	0.2	1	5	25	OUTLET
A4.2_FRST	0.013	0.2	1	7	25	OUTLET
A4.3	0.013	0.2	1	5	25	OUTLET
A4.3_FRST	0.013	0.2	1	7	25	OUTLET
A4.4_FRST	0.013	0.2	1	7	25	OUTLET
A4.5	0.013	0.2	1	5	25	OUTLET
A4.5_FRST	0.013	0.2	1	7	25	OUTLET
A4.6	0.013	0.2	1	5	25	OUTLET
A4.6_FRST	0.013	0.2	1	7	25	OUTLET
B1	0.013	0.2	1	5	25	OUTLET
B1.1	0.013	0.2	1	5	25	OUTLET
B1.1_FRST	0.013	0.2	1	7	25	OUTLET
B2	0.013	0.2	1	5	25	OUTLET
B2.1	0.013	0.2	1	5	25	OUTLET
B2.1_FRST	0.013	0.2	1	7	25	OUTLET
C1	0.013	0.2	1	5	25	OUTLET
C1.1	0.013	0.2	1	5	25	OUTLET
C1.1_FRST	0.013	0.2	1	7	25	OUTLET
D1	0.013	0.2	1	5	25	OUTLET
D1.1	0.013	0.2	1	5	25	OUTLET
D1.1_FRST	0.013	0.2	1	7	25	OUTLET
D2	0.013	0.2	1	5	25	OUTLET
D2.1	0.013	0.2	1	5	25	OUTLET
D2.1_FRST	0.013	0.2	1	7	25	OUTLET
D3	0.013	0.2	1	5	25	OUTLET
D3.1	0.013	0.2	1	5	25	OUTLET
D4	0.013	0.2	1	5	25	OUTLET
D4.1	0.013	0.2	1	5	25	OUTLET
D4.1_FRST	0.013	0.2	1	7	25	OUTLET
E1	0.013	0.2	1	5	25	OUTLET

E1.1	0.013	0.2	1	5	25	OUTLET
E1.1_FRST	0.013	0.2	1	7	25	OUTLET
E2	0.013	0.2	1	5	25	OUTLET
E2.1	0.013	0.2	1	5	25	OUTLET
E2.1_FRST	0.013	0.2	1	7	25	OUTLET
E3	0.013	0.2	1	5	25	OUTLET
E3.1	0.013	0.2	1	5	25	OUTLET
E3.1_FRST	0.013	0.2	1	7	25	OUTLET
HC01-01	0.013	0.2	1	5	25	OUTLET
HC01-02	0.013	0.2	1	5	25	OUTLET
HC01-03	0.013	0.2	1	5	25	OUTLET
HC01-04	0.013	0.2	1	5	25	OUTLET
HC01-05	0.013	0.2	1	5	25	OUTLET
HC01-06	0.013	0.2	1	5	25	OUTLET
HC01-07	0.013	0.2	1	5	25	OUTLET
HC01-08	0.013	0.2	1	5	25	OUTLET
HC01-09	0.013	0.2	1	5	25	OUTLET
HC01-10	0.013	0.2	1	5	25	OUTLET
HC01-11	0.013	0.2	1	5	25	OUTLET
HC01-12	0.013	0.2	1	5	25	OUTLET
HC02-01	0.013	0.2	1	5	25	OUTLET
HC02-02	0.013	0.2	1	5	25	OUTLET
HC02-03	0.013	0.2	1	5	25	OUTLET
HC02-04	0.013	0.2	1	5	25	OUTLET
HC02-05	0.013	0.2	1	5	25	OUTLET
HC02-06	0.013	0.2	1	5	25	OUTLET
HC02-07	0.013	0.2	1	5	25	OUTLET
HC02-08	0.013	0.2	1	5	25	OUTLET
HC02-09	0.013	0.2	1	5	25	OUTLET
HC02-10	0.013	0.2	1	5	25	OUTLET
HC02-11	0.013	0.2	1	5	25	OUTLET
HC02-12	0.013	0.2	1	5	25	OUTLET
HC02-13	0.013	0.2	1	5	25	OUTLET
HC02-14	0.013	0.2	1	5	25	OUTLET
HC02-15	0.013	0.2	1	5	25	OUTLET
HC02-16	0.013	0.2	1	5	25	OUTLET
HC02-17	0.013	0.2	1	5	25	OUTLET
HC02-18	0.013	0.2	1	5	25	OUTLET
HC02-19	0.013	0.2	1	5	25	OUTLET
HC02-20	0.013	0.2	1	5	25	OUTLET
HC02-21	0.013	0.2	1	5	25	OUTLET

HC02-22	0.013	0.2	1	5	25	OUTLET
HC02-23	0.013	0.2	1	5	25	OUTLET
HC02-24	0.013	0.2	1	5	25	OUTLET
HC02-25	0.013	0.2	1	5	25	OUTLET
HC02-26	0.013	0.2	1	5	25	OUTLET
HC02-27	0.013	0.2	1	5	25	OUTLET
HC02-28	0.013	0.2	1	5	25	OUTLET
HC02-29	0.013	0.2	1	5	25	OUTLET
HC02-30	0.013	0.2	1	5	25	OUTLET
HC02-31	0.013	0.2	1	5	25	OUTLET
HC02-32	0.013	0.2	1	5	25	OUTLET
HC02-33	0.013	0.2	1	5	25	OUTLET
HC02-34	0.013	0.2	1	5	25	OUTLET
HC02-35	0.013	0.2	1	5	25	OUTLET
HC02-36	0.013	0.2	1	5	25	OUTLET
HC02-37	0.013	0.2	1	5	25	OUTLET
HC02-38	0.013	0.2	1	5	25	OUTLET
HC02-39	0.013	0.2	1	5	25	OUTLET
HC03-01	0.013	0.2	1	5	25	OUTLET
HC03-02	0.013	0.2	1	5	25	OUTLET
HC03-03	0.013	0.2	1	5	25	OUTLET
HC03-04	0.013	0.2	1	5	25	OUTLET
HC03-05	0.013	0.2	1	5	25	OUTLET
HC03-06	0.013	0.2	1	5	25	OUTLET
HC03-07	0.013	0.2	1	5	25	OUTLET
HC03-08	0.013	0.2	1	5	25	OUTLET
HC03-09	0.013	0.2	1	5	25	OUTLET
HC03-10	0.013	0.2	1	5	25	OUTLET
HC03-11	0.013	0.2	1	5	25	OUTLET
HC03-12	0.013	0.2	1	5	25	OUTLET
HC03-13	0.013	0.2	1	5	25	OUTLET
HC03-14	0.013	0.2	1	5	25	OUTLET
HC03-15	0.013	0.2	1	5	25	OUTLET
HC03-16	0.013	0.2	1	5	25	OUTLET
HC03-17	0.013	0.2	1	5	25	OUTLET
HC03-18	0.013	0.2	1	5	25	OUTLET
HC03-19	0.013	0.2	1	5	25	OUTLET
HC03-20	0.013	0.2	1	5	25	OUTLET
HC04-01	0.013	0.2	1	5	25	OUTLET
HC04-02	0.013	0.2	1	5	25	OUTLET
HC04-03	0.013	0.2	1	5	25	OUTLET

HC04-04	0.013	0.2	1	5	25	OUTLET
HC04-05	0.013	0.2	1	5	25	OUTLET
HC04-06	0.013	0.2	1	5	25	OUTLET
HC04-07	0.013	0.2	1	5	25	OUTLET
HC04-08	0.013	0.2	1	5	25	OUTLET
HC04-09	0.013	0.2	1	5	25	OUTLET
HC04-10	0.013	0.2	1	5	25	OUTLET
HC04-11	0.013	0.2	1	5	25	OUTLET
HC04-12	0.013	0.2	1	5	25	OUTLET
HC04-13	0.013	0.2	1	5	25	OUTLET
HC04-14	0.013	0.2	1	5	25	OUTLET
HC04-15	0.013	0.2	1	5	25	OUTLET
HC04-16	0.013	0.2	1	5	25	OUTLET
HC04-17	0.013	0.2	1	5	25	OUTLET
HC04-18	0.013	0.2	1	5	25	OUTLET
HC04-19	0.013	0.2	1	5	25	OUTLET
HC04-20	0.013	0.2	1	5	25	OUTLET
HC04-21	0.013	0.2	1	5	25	OUTLET
HC04-22	0.013	0.2	1	5	25	OUTLET
HC04-23	0.013	0.2	1	5	25	OUTLET
HC04-24	0.013	0.2	1	5	25	OUTLET
HC04-25	0.013	0.2	1	5	25	OUTLET
HC04-26	0.013	0.2	1	5	25	OUTLET
HC04-27	0.013	0.2	1	5	25	OUTLET
HC04-28	0.013	0.2	1	5	25	OUTLET
HC04-29	0.013	0.2	1	5	25	OUTLET
HC04-30	0.013	0.2	1	5	25	OUTLET
HC04-31	0.013	0.2	1	5	25	OUTLET
HC04-32	0.013	0.2	1	5	25	OUTLET
HC04-33	0.013	0.2	1	5	25	OUTLET
HC04-34	0.013	0.2	1	5	25	OUTLET
HC04-35	0.013	0.2	1	5	25	OUTLET
HC04-36	0.013	0.2	1	5	25	OUTLET
HC05-01	0.013	0.2	1	5	25	OUTLET
HC05-02	0.013	0.2	1	5	25	OUTLET
HC05-03	0.013	0.2	1	5	25	OUTLET
HC05-04	0.013	0.2	1	5	25	OUTLET
HC05-05	0.013	0.2	1	5	25	OUTLET
HC05-06	0.013	0.2	1	5	25	OUTLET
HC05-07	0.013	0.2	1	5	25	OUTLET
HC05-08	0.013	0.2	1	5	25	OUTLET

HC05-09	0.013	0.2	1	5	25	OUTLET
HC05-10	0.013	0.2	1	5	25	OUTLET
HC05-11	0.013	0.2	1	5	25	OUTLET
HC06-01	0.013	0.2	1	5	25	OUTLET
HC06-02	0.013	0.2	1	5	25	OUTLET
HC06-03	0.013	0.2	1	5	25	OUTLET
HC06-04	0.013	0.2	1	5	25	OUTLET
HC06-05	0.013	0.2	1	5	25	OUTLET
HC06-06	0.013	0.2	1	5	25	OUTLET
HC06-07	0.013	0.2	1	5	25	OUTLET
HC06-08	0.013	0.2	1	5	25	OUTLET
HC06-09	0.013	0.2	1	5	25	OUTLET
HC06-10	0.013	0.2	1	5	25	OUTLET
HC06-11	0.013	0.2	1	5	25	OUTLET
HC06-12	0.013	0.2	1	5	25	OUTLET
HC06-13	0.013	0.2	1	5	25	OUTLET
HC06-14	0.013	0.2	1	5	25	OUTLET
HC06-15	0.013	0.2	1	5	25	OUTLET
HC06-16	0.013	0.2	1	5	25	OUTLET
HC06-17	0.013	0.2	1	5	25	OUTLET
HC06-18	0.013	0.2	1	5	25	OUTLET
HC06-19	0.013	0.2	1	5	25	OUTLET
HC06-20	0.013	0.2	1	5	25	OUTLET
HC06-21	0.013	0.2	1	5	25	OUTLET
HC06-22	0.013	0.2	1	5	25	OUTLET
HC06-23	0.013	0.2	1	5	25	OUTLET
HC06-24	0.013	0.2	1	5	25	OUTLET
HC06-25	0.013	0.2	1	5	25	OUTLET
HC06-26	0.013	0.2	1	5	25	OUTLET
HC06-27	0.013	0.2	1	5	25	OUTLET
HC06-28	0.013	0.2	1	5	25	OUTLET
HC06-29	0.013	0.2	1	5	25	OUTLET
HC06-30	0.013	0.2	1	5	25	OUTLET
HC06-31	0.013	0.2	1	5	25	OUTLET
HC06-32	0.013	0.2	1	5	25	OUTLET
HC07-01	0.013	0.2	1	5	25	OUTLET
HC07-02	0.013	0.2	1	5	25	OUTLET
HC07-03	0.013	0.2	1	5	25	OUTLET
HC07-04	0.013	0.2	1	5	25	OUTLET
HC07-05	0.013	0.2	1	5	25	OUTLET
HC07-06	0.013	0.2	1	5	25	OUTLET

```
HC07-07          0.013      0.2        1          5          25         OUTLET
HC07-08          0.013      0.2        1          5          25         OUTLET
HC07-09          0.013      0.2        1          5          25         OUTLET
HC08-01          0.013      0.2        1          5          25         OUTLET
HC08-02          0.013      0.2        1          5          25         OUTLET
HC08-03          0.013      0.2        1          5          25         OUTLET
HC08-04          0.013      0.2        1          5          25         OUTLET
HC08-05          0.013      0.2        1          5          25         OUTLET
HC08-06          0.013      0.2        1          5          25         OUTLET
HC08-07          0.013      0.2        1          5          25         OUTLET
HC08-08          0.013      0.2        1          5          25         OUTLET
HC08-09          0.013      0.2        1          5          25         OUTLET
HC08-10          0.013      0.2        1          5          25         OUTLET
HC09-01          0.013      0.2        1          5          25         OUTLET
HC09-02          0.013      0.2        1          5          25         OUTLET
HC09-03          0.013      0.2        1          5          25         OUTLET
HC09-04          0.013      0.2        1          5          25         OUTLET
HC09-05          0.013      0.2        1          5          25         OUTLET
HC09-06          0.013      0.2        1          5          25         OUTLET
HC09-07          0.013      0.2        1          5          25         OUTLET
HC10-01          0.013      0.2        1          5          25         OUTLET
HC10-02          0.013      0.2        1          5          25         OUTLET
HC10-03          0.013      0.2        1          5          25         OUTLET
HC10-04          0.013      0.2        1          5          25         OUTLET
HC10-05          0.013      0.2        1          5          25         OUTLET
HC10-06          0.013      0.2        1          5          25         OUTLET
HC10-07          0.013      0.2        1          5          25         OUTLET
HC10-08          0.013      0.2        1          5          25         OUTLET
HC10-09          0.013      0.2        1          5          25         OUTLET
HC10-10          0.013      0.2        1          5          25         OUTLET
HC10-11          0.013      0.2        1          5          25         OUTLET
HC10-12          0.013      0.2        1          5          25         OUTLET
HC10-13          0.013      0.2        1          5          25         OUTLET
HC10-14          0.013      0.2        1          5          25         OUTLET
HC10-15          0.013      0.2        1          5          25         OUTLET

[INFILTRATION]
;;Subcatchment   Suction    HydCon     IMDmax
;;-------------- ---------- ---------- ----------
A1               166        5          0.2
A1.1             248        2          0.2
```

A1.1_FRST	227	3	0.2
A2	192	5	0.2
A2.1	238	4	0.2
A2.1_FRST	235	5	0.2
A2.2	244	3	0.2
A2.2_FRST	229	5	0.2
A3	157	8	0.2
A3.1	250	2	0.2
A3.1_FRST	238	5	0.2
A3.2	242	3	0.2
A3.2_FRST	193	7	0.2
A3.3	249	2	0.2
A3.3_FRST	179	8	0.2
A4	156	6	0.2
A4.1	247	2	0.2
A4.1_FRST	210	6	0.2
A4.2	250	2	0.2
A4.2_FRST	220	4	0.2
A4.3	243	3	0.2
A4.3_FRST	154	9	0.2
A4.4_FRST	144	10	0.2
A4.5	245	2	0.2
A4.5_FRST	233	3	0.2
A4.6	193	7	0.2
A4.6_FRST	152	9	0.2
B1	250	2	0.2
B1.1	250	2	0.2
B1.1_FRST	250	2	0.2
B2	250	2	0.2
B2.1	250	2	0.2
B2.1_FRST	250	2	0.2
C1	147	5	0.2
C1.1	236	3	0.2
C1.1_FRST	151	5	0.2
D1	145	7	0.2
D1.1	147	10	0.2
D1.1_FRST	146	7	0.2
D2	146	6	0.2
D2.1	155	9	0.2
D2.1_FRST	145	8	0.2
D3	172	5	0.2

D3.1	160	9	0.2
D4	145	7	0.2
D4.1	172	8	0.2
D4.1_FRST	150	8	0.2
E1	213	5	0.2
E1.1	188	5	0.2
E1.1_FRST	166	7	0.2
E2	233	3	0.2
E2.1	250	2	0.2
E2.1_FRST	241	3	0.2
E3	170	9	0.2
E3.1	217	5	0.2
E3.1_FRST	201	6	0.2
HC01-01	237	4.6	0.2
HC01-02	237	4.5	0.2
HC01-03	237	4.5	0.2
HC01-04	237	4.7	0.2
HC01-05	237	4.5	0.2
HC01-06	237	4.5	0.2
HC01-07	237	4.5	0.2
HC01-08	237	4.5	0.2
HC01-09	237	4.5	0.2
HC01-10	237	4.5	0.2
HC01-11	237	4.5	0.2
HC01-12	146	4.5	0.2
HC02-01	237	4.4	0.2
HC02-02	237	3.9	0.2
HC02-03	237	4.1	0.2
HC02-04	237	4.3	0.2
HC02-05	237	4.4	0.2
HC02-06	237	4.4	0.2
HC02-07	237	4.5	0.2
HC02-08	237	4.6	0.2
HC02-09	237	4.5	0.2
HC02-10	237	4.6	0.2
HC02-11	237	4.5	0.2
HC02-12	237	4.6	0.2
HC02-13	237	4.6	0.2
HC02-14	237	4.6	0.2
HC02-15	237	4.5	0.2
HC02-16	144	9.7	0.2

HC02-17	146	4.5	0.2
HC02-18	144	9.7	0.2
HC02-19	144	9.6	0.2
HC02-20	237	4.3	0.2
HC02-21	237	4.5	0.2
HC02-22	237	4.5	0.2
HC02-23	237	4.1	0.2
HC02-24	237	3.6	0.2
HC02-25	237	4	0.2
HC02-26	237	3.8	0.2
HC02-27	144	9.6	0.2
HC02-28	144	9.6	0.2
HC02-29	144	9.3	0.2
HC02-30	144	10.4	0.2
HC02-31	144	9.5	0.2
HC02-32	144	9.6	0.2
HC02-33	144	9.5	0.2
HC02-34	144	9.3	0.2
HC02-35	144	10.3	0.2
HC02-36	144	10	0.2
HC02-37	144	10	0.2
HC02-38	237	4.5	0.2
HC02-39	237	4.6	0.2
HC03-01	237	3.7	0.2
HC03-02	237	4.4	0.2
HC03-03	237	4.4	0.2
HC03-04	237	4.4	0.2
HC03-05	237	4.2	0.2
HC03-06	237	4.5	0.2
HC03-07	237	4.4	0.2
HC03-08	144	9.9	0.2
HC03-09	144	10	0.2
HC03-10	144	9.9	0.2
HC03-11	144	9.9	0.2
HC03-12	144	9.7	0.2
HC03-13	144	9.5	0.2
HC03-14	144	7.6	0.2
HC03-15	144	9.7	0.2
HC03-16	144	9.5	0.2
HC03-17	237	4.2	0.2
HC03-18	237	3.6	0.2

HC03-19	237	4.7	0.2
HC03-20	237	4.7	0.2
HC04-01	146	4.6	0.2
HC04-02	144	10	0.2
HC04-03	144	10	0.2
HC04-04	146	4.6	0.2
HC04-05	144	9.8	0.2
HC04-06	144	9.8	0.2
HC04-07	144	9.1	0.2
HC04-08	144	9.9	0.2
HC04-09	144	9.8	0.2
HC04-10	144	9.8	0.2
HC04-11	144	10.2	0.2
HC04-12	144	9.8	0.2
HC04-13	144	9.5	0.2
HC04-14	237	4.5	0.2
HC04-15	237	4.5	0.2
HC04-16	237	4.4	0.2
HC04-17	237	4.5	0.2
HC04-18	237	4.5	0.2
HC04-19	237	4.6	0.2
HC04-20	237	4.6	0.2
HC04-21	237	4.5	0.2
HC04-22	237	4.5	0.2
HC04-23	237	4.6	0.2
HC04-24	237	4.5	0.2
HC04-25	146	4.5	0.2
HC04-26	144	9.8	0.2
HC04-27	237	4.6	0.2
HC04-28	144	9.5	0.2
HC04-29	146	4.5	0.2
HC04-30	146	4.5	0.2
HC04-31	144	9.4	0.2
HC04-32	144	9.5	0.2
HC04-33	144	9.7	0.2
HC04-34	144	10	0.2
HC04-35	144	9.7	0.2
HC04-36	146	4.3	0.2
HC05-01	146	4.6	0.2
HC05-02	146	4.6	0.2
HC05-03	144	5	0.2

HC05-04	144	10	0.2
HC05-05	144	9.3	0.2
HC05-06	144	9.7	0.2
HC05-07	144	9.8	0.2
HC05-08	144	9.7	0.2
HC05-09	144	9.8	0.2
HC05-10	144	9.6	0.2
HC05-11	144	10	0.2
HC06-01	237	4.4	0.2
HC06-02	237	4.4	0.2
HC06-03	237	4.8	0.2
HC06-04	237	4.8	0.2
HC06-05	237	4.5	0.2
HC06-06	237	4.5	0.2
HC06-07	146	4.5	0.2
HC06-08	237	4.5	0.2
HC06-09	237	4.5	0.2
HC06-10	237	4.5	0.2
HC06-11	146	4.4	0.2
HC06-12	146	4.4	0.2
HC06-13	144	8.2	0.2
HC06-14	144	7.8	0.2
HC06-15	144	3.5	0.2
HC06-16	144	5.9	0.2
HC06-17	144	8	0.2
HC06-18	144	8	0.2
HC06-19	144	3.5	0.2
HC06-20	144	3.5	0.2
HC06-21	144	6.6	0.2
HC06-22	144	3.5	0.2
HC06-23	144	6.2	0.2
HC06-24	144	3.5	0.2
HC06-25	146	4.4	0.2
HC06-26	144	9.7	0.2
HC06-27	144	5	0.2
HC06-28	144	3.5	0.2
HC06-29	146	4.7	0.2
HC06-30	146	4.2	0.2
HC06-31	144	10.3	0.2
HC06-32	144	10	0.2
HC07-01	144	9.7	0.2

HC07-02	144	9.8	0.2
HC07-03	144	9.6	0.2
HC07-04	144	9.7	0.2
HC07-05	144	9.8	0.2
HC07-06	144	9.7	0.2
HC07-07	144	9.8	0.2
HC07-08	144	9.6	0.2
HC07-09	144	10.3	0.2
HC08-01	146	4.5	0.2
HC08-02	146	4.4	0.2
HC08-03	144	9.5	0.2
HC08-04	146	4.6	0.2
HC08-05	146	4.3	0.2
HC08-06	146	4.5	0.2
HC08-07	146	4.5	0.2
HC08-08	146	3.7	0.2
HC08-09	146	4.2	0.2
HC08-10	146	4.7	0.2
HC09-01	144	10.1	0.2
HC09-02	144	10.2	0.2
HC09-03	144	9.9	0.2
HC09-04	144	10	0.2
HC09-05	144	9.9	0.2
HC09-06	144	9.9	0.2
HC09-07	144	9.7	0.2
HC10-01	144	10.1	0.2
HC10-02	144	9.4	0.2
HC10-03	144	9.6	0.2
HC10-04	144	9.9	0.2
HC10-05	144	10	0.2
HC10-06	144	9.9	0.2
HC10-07	144	9.9	0.2
HC10-08	144	10	0.2
HC10-09	144	9.9	0.2
HC10-10	144	10	0.2
HC10-11	144	9.8	0.2
HC10-12	144	10.3	0.2
HC10-13	144	9.9	0.2
HC10-14	144	9.9	0.2
HC10-15	144	9.9	0.2

```
[JUNCTIONS]
;;               Invert     Max.       Init.      Surcharge  Ponded
;;Name           Elev.      Depth      Depth      Depth      Area
;;-------------- ---------- ---------- ---------- ---------- ----------
1                332.644    3          0          0          0
11               316.607    3          0          0          0
12               315.5      3          0          0          0
;07
13               314.5      3          0          0          0
14               331.1      3          0          0          0
15               313.95     3          0          0          0
17               312        3          0          0          0
;02
18               322.5      3          0          0          0
19               323.5      3          0          0          0
2                324        3          0          0          0
20               330.1      0          0          0          0
;05
21               321.1      3          0          0          0
;03
22               321.5      3          0          0          0
24               320.5      3          0          0          0
25               321.103    3          0          0          0
26               327.931    3          0          0          0
27               326.5      3          0          0          0
28               326.1      3          0          0          0
29               323.893    3          0          0          0
3                330.57     3          0          0          0
30               320.5      3          0          0          0
;06
31               320.148    3          0          0          0
32               319        3          0          0          0
34               317.868    3          0          0          0
35               317.5      3          0          0          0
36               315.5      3          0          0          0
37               324.1      3          0          0          0
39               321.3      3          0          0          0
4                325        3          0          0          0
40               319.1      3          0          0          0
42               322.1      3          0          0          0
48               324.6      3          0          0          0
```

```
49                321.6      3          0          0          0
;01
5                 329.5      3          0          0          0
50                318.1      3          0          0          0
53                314.1      3          0          0          0
54                313.925    3          0          0          0
;08
56                301.1      3          0          0          0
6                 329        3          0          0          0
7                 318.1      3          0          0          0
8                 320.964    3          0          0          0
;04
9                 320.404    3          0          0          0
;NA
MHEasement1       319.07     3.83       0          0          0
;NA
MHEasement2       318.7      2          0          0          0
;Represents direct connection point of servicing from public school
;Rim elevation approximated by neighbouring MH values and contours
MHSchool          328.55     3.18       0          0.3        0
;NA
MHSWM4            319.25     4.3        0          0.3        0
;NA
PWOPRMHS0001369   319.39     2.49       0          0.3        0
;NA
PWOPRMHS0001370   319.27     3.33       0          0.3        0
;NA
PWOPRMHS0001371   319.82     3.07       0          0.3        0
;NA
PWOPRMHS0001372   320.15     3.07       0          0.3        0
;NA
PWOPRMHS0001373   320.02     2.26       0          0.3        0
;NA
PWOPRMHS0001374   319.69     2.9        0          0.3        0
;NA
PWOPRMHS0001375   319.57     2.83       0          0.3        0
;NA
PWOPRMHS0001386   318.61     2.05       0          0.3        0
;NA
PWOPRMHS0001387   318.75     2.27       0          0.3        0
;NA
```

```
PWOPRMHS0001388  318.93     2.35       0          0.3        0
;NA
PWOPRMHS0001389  319.13     2.39       0          0.3        0
;NA
PWOPRMHS0001390  317.49     3.36       0          0.3        0
;NA
PWOPRMHS0001391  317.27     3.16       0          0.3        0
;NA
PWOPRMHS0001392  318.18     2.66       0          0.3        0
;NA
PWOPRMHS0001393  320.19     2.79       0          0.3        0
;NA
PWOPRMHS0001394  316.86     2.8        0          0.3        0
;NA
PWOPRMHS0001395  316.79     2.63       0          0.3        0
;NA
PWOPRMHS0001398  317.27     3.29       0          0.3        0
;NA
PWOPRMHS0001399  317.15     2.87       0          0.3        0
;NA
PWOPRMHS0001400  316.99     2.75       0          0.3        0
;NA
PWOPRMHS0001401  316.67     2.83       0          0.3        0
;NA
PWOPRMHS0001402  316.5      2.78       0          0.3        0
;NA
PWOPRMHS0001403  321.7      3.25       0          0.3        0
;NA
PWOPRMHS0001404  320.54     2.9        0          0.3        0
;NA
PWOPRMHS0001408  320.83     2.96       0          0.3        0
;NA
PWOPRMHS0001409  327.81     2.43       0          0.3        0
;NA
PWOPRMHS0001410  326.47     3.97       0          0.3        0
;NA
PWOPRMHS0001411  327.47     3.16       0          0.3        0
;NA
PWOPRMHS0001412  331.69     3.81       0          0.3        0
;NA
PWOPRMHS0001413  331.74     3.86       0          0.3        0
```

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;NA
PWOPRMHS0001415  319.68     2.59       0          0.3        0
;NA
PWOPRMHS0001416  318.99     4.22       0          0.3        0
;NA
PWOPRMHS0001418  318.73     3.45       0          0.3        0
;NA
PWOPRMHS0001419  319.99     3.16       0          0.3        0
;NA
PWOPRMHS0001420  320.5      3.14       0          0.3        0
;NA
PWOPRMHS0001421  320.94     3.21       0          0.3        0
;NA
PWOPRMHS0001422  320.28     2.33       0          0.3        0
;NA
PWOPRMHS0001423  320.43     2.8        0          0.3        0
;NA
PWOPRMHS0001424  320.96     2.34       0          0.3        0
;NA
PWOPRMHS0001428  323.21     3.02       0          0.3        0
;NA
PWOPRMHS0001429  321.35     3.17       0          0.3        0
;NA
PWOPRMHS0001430  321.23     2.88       0          0.3        0
;NA
PWOPRMHS0001431  323.01     3.1        0          0.3        0
;NA
PWOPRMHS0001433  319.78     3.9        0          0.3        0
;NA
PWOPRMHS0001435  319.64     2.89       0          0.3        0
;NA
PWOPRMHS0001436  318.35     5.33       0          0.3        0
;NA
PWOPRMHS0001437  319.38     3.85       0          0.5        0
;NA
PWOPRMHS0001438  318.2      4.24       0          0.3        0
;NA
PWOPRMHS0001467  320.92     2.97       0          0.3        0
PWOPRMHS0001597  324.78     2.86       0          0.3        0
PWOPRMHS0001598  325.49     2.11       0          0.3        0
PWOPRMHS0001600  324.66     3.3        0          0.3        0
```

```
PWOPRMHS0001601  326.15     2          0          0.3        0
PWOPRMHS0001602  325.98     2          0          0.3        0
PWOPRMHS0001603  324.23     3.25       0          0.3        0
PWOPRMHS0001604  323.95     3.47       0          0.3        0
PWOPRMHS0001605  324.34     3.15       0          0.3        0
PWOPRMHS0001606  323.57     3.36       0          0.3        0
PWOPRMHS0001608  325.67     2.5        0          0.3        0
PWOPRMHS0001610  325.44     2.21       0          0.3        0
;NA
PWOPRMHS0001611  322.87     2.24       0          0.3        0
;NA
PWOPRMHS0001614  322.91     3.09       0          0.3        0
;NA
PWOPRMHS0001622  332.73     2.22       0          0.3        0
;NA
PWOPRMHS0001624  330.92     3.93       0          0.3        0
;NA
PWOPRMHS0001625  330.61     4.33       0          0.3        0
;NA
PWOPRMHS0001626  331        4.4        0          0.3        0
;NA
PWOPRMHS0001634  326.21     3.77       0          0.3        0
;NA
PWOPRMHS0001642  323.27     2.84       0          0.3        0
;NA
PWOPRMHS0001643  323.38     2.83       0          0.3        0
;NA
PWOPRMHS0001649  329.21     4.17       0          0.3        0
;NA
PWOPRMHS0001650  329.57     3.87       0          0.3        0
;NA
PWOPRMHS0001651  330.28     4.11       0          0.3        0
;NA
PWOPRMHS0001652  326.89     2.16       0          0.3        0
;NA
PWOPRMHS0001653  325.24     2.15       0          0.3        0
;NA
PWOPRMHS0001654  324.91     2.39       0          0.3        0
;NA
PWOPRMHS0001655  330        3.56       0          0.3        0
;NA
```

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PWOPRMHS0001657  324.58     2.47       0          0.3        0
;NA
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;NA
PWOPRMHS0001659  325.31     2.46       0          0.3        0
;NA
PWOPRMHS0001660  324.1      2.85       0          0.3        0
;NA
PWOPRMHS0001661B 324.31     2.45       0          0.3        0
;NA
PWOPRMHS0001662  323.95     2.98       0          0.3        0
;NA
PWOPRMHS0001663  324.06     2.66       0          0.3        0
;NA
PWOPRMHS0001664  326.35     2.28       0          0.3        0
PWOPRMHS0001667  323.15     3.08       0          0.3        0
PWOPRMHS0001670  322.92     2          0          0.3        0
PWOPRMHS0001674  325.88     3.53       0          0.3        0
PWOPRMHS0001676  326.33     3.2        0          0.3        0
PWOPRMHS0001677  326.59     3.15       0          0.3        0
;Rim elevation estimated
PWOPRMHS0001678  327.01     2.79       0          0.3        0
PWOPRMHS0001679  335.89     2.66       0          0.3        0
PWOPRMHS0001680  335.06     3.4        0          0.3        0
PWOPRMHS0001682  328.1      3.89       0          0.3        0
PWOPRMHS0001686  328.55     3.6        0          0.3        0
PWOPRMHS0001687  326.4      3.48       0          0.3        0
PWOPRMHS0001688  326.1      3.34       0          0.3        0
PWOPRMHS0001689  326.61     3.68       0          0.3        0
PWOPRMHS0001690  326.74     3.56       0          0.3        0
PWOPRMHS0001691  326.982    3.598      0          0.3        0
PWOPRMHS0001692  327.57     3.44       0          0.3        0
;NA
PWOPRMHS0001695  322.25     3.57       0          0.3        0
;NA
PWOPRMHS0001697  323.91     3.11       0          0.3        0
PWOPRMHS0001705  328.53     3.5        0          0.3        0
PWOPRMHS0001706  327.14     3.06       0          0.3        0
PWOPRMHS0001713  325.51     3.65       0          0.3        0
PWOPRMHS0001729  329.08     3.52       0          0.3        0
PWOPRMHS0001732  328.98     3.3        0          0.3        0
```

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;NA
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;NA
PWOPRMHS0001736  323.4      3.15       0          0.3        0
PWOPRMHS0001739  328.89     3.32       0          0.3        0
PWOPRMHS0001740  328.72     3.33       0          0.3        0
PWOPRMHS0001741  329.48     2.76       0          0.3        0
PWOPRMHS0001743  327.29     3.33       0          0.3        0
PWOPRMHS0001744  327.73     3.33       0          0.3        0
PWOPRMHS0001745  328.06     3.3        0          0.3        0
PWOPRMHS0001746  327.93     3.33       0          0.3        0
;NA
PWOPRMHS0001761  329.15     2.76       0          0.3        0
;NA
PWOPRMHS0001764  327.46     3.78       0          0.3        0
;NA
PWOPRMHS0001765  328.04     2.39       0          0.3        0
;NA
PWOPRMHS0001766  328.32     2.41       0          0.3        0
;NA
PWOPRMHS0001767  327.25     3.62       0          0.3        0
;NA
PWOPRMHS0001768  327.85     2.58       0          0.3        0
;NA
PWOPRMHS0001788  322.94     3.97       0          0.3        0
;NA
PWOPRMHS0001791  325.59     5.96       0          0.3        0
;NA
PWOPRMHS0001792  325.24     6.82       0          0.3        0
;NA
PWOPRMHS0001796  326.65     4.02       0          0          0
;NA
PWOPRMHS0001797  326.4      4.83       0          0          0
;NA
PWOPRMHS0001798  326.06     5.77       0          0.3        0
;NA
PWOPRMHS0001804  331.98     3.61       0          0.3        0
;NA
PWOPRMHS0001836  324.56     5.25       0          0.3        0
;NA
PWOPRMHS0001855  326.21     3.73       0          0.3        0
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;NA
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;NA
PWOPRMHS0001857  322.43     3.51       0          0.3        0
;NA
PWOPRMHS0001858  329.93     3.69       0          0.3        0
;NA
PWOPRMHS0001867  331.94     2.78       0          0.3        0
PWOPRMHS0001874  329.87     3.05       0          0.3        0
;NA
PWOPRMHS0001878  323.28     2.96       0          0.3        0
;NA
PWOPRMHS0001879  323.04     3.03       0          0.3        0
;NA
PWOPRMHS0001881  323.57     2.92       0          0.3        0
;NA
PWOPRMHS0001889  324.63     3.44       0          0.3        0
;NA
PWOPRMHS0001890  324.52     3.31       0          0.3        0
;NA
PWOPRMHS0001891  325.1      2.9        0          0.3        0
;NA
PWOPRMHS0001894  324.23     3          0          0.3        0
;NA
PWOPRMHS0001903  332.72     2.54       0          0.3        0
;NA
PWOPRMHS0001904  330.44     3.67       0          0.3        0
;NA
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;NA
PWOPRMHS0001907  318.83     2.99       0          0.3        0
;NA
PWOPRMHS0001908  319.55     3.08       0          0.3        0
;NA
PWOPRMHS0001911  318.49     3.65       0          0.3        0
;NA
PWOPRMHS0001912  317.51     3.82       0          0.3        0
;NA
PWOPRMHS0001914  331.83     2.71       0          0.3        0
;NA
PWOPRMHS0001915  329.19     3.84       0          0.3        0
```

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;NA
PWOPRMHS0001916  327.59     3.14       0          0.3        0
;NA
PWOPRMHS0001917  319.24     2.98       0          0.3        0
;NA
PWOPRMHS0001918  317.81     4.03       0          0.3        0
PWOPRMHS0001919  327.8      2.84       0          0.3        0
;NA
PWOPRMHS0001925  323.33     3.36       0          0.3        0
;NA
PWOPRMHS0001926  322.69     2.47       0          0.3        0
;NA
PWOPRMHS0001927  323.51     2.31       0          0.3        0
;NA
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;NA
PWOPRMHS0001929  323.85     3.52       0          0.3        0
;NA
PWOPRMHS0001930  323.07     3.07       0          0.3        0
;NA
PWOPRMHS0001931  324.99     5.43       0          0.3        0
;NA
PWOPRMHS0001932  325.31     8.34       0          0.3        0
;NA
PWOPRMHS0001933  325.66     9.07       0          0.3        0
;NA
PWOPRMHS0001935  326.03     7.44       0          0.3        0
;NA
PWOPRMHS0001937  324.28     3.82       0          0.3        0
;NA
PWOPRMHS0001939  327.51     3.59       0          0.3        0
;NA
PWOPRMHS0001941  326.79     3.74       0          0          0
;NA
PWOPRMHS0001943  326.42     5.3        0          0.3        0
;NA
PWOPRMHS0001944  322.64     3          0          0.3        0
;NA
PWOPRMHS0001945  323.32     2.88       0          0.3        0
;NA
PWOPRMHS0001947  324.02     2.7        0          0.3        0
```

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PWOPRMHS0002041  329.07     2.98       0          0.3        0
PWOPRMHS0002042  329.56     4.01       0          0.3        0
PWOPRMHS0002046  330.72     2.86       0          0.3        0
PWOPRMHS0002050  328.97     2.87       0          0.3        0
PWOPRMHS0002051  328.27     3.3        0          0.3        0
;NA
PWOPRMHS0002080  325.23     3.1        0          0.3        0
;NA
PWOPRMHS0002082  326.71     4.05       0          0.3        0
;NA
PWOPRMHS0002083  325.32     3.61       0          0.3        0
;NA
PWOPRMHS0002084  324.97     3.82       0          0.3        0
;NA
PWOPRMHS0002085  329.39     3.11       0          0.3        0
PWOPRMHS0002095  336.04     3.41       0          0.3        0
PWOPRMHS0003136  328.89     3.7        0          0.3        0
PWOPRMHS0003137  329.5      3.26       0          0.3        0
PWOPRMHS0003140  327.35     2.76       0          0.3        0
PWOPRMHS0003146  334.6      3.92       0          0.3        0
PWOPRMHS0003147  333.79     2.72       0          0.3        0
PWOPRMHS0003148  331.89     3.16       0          0.3        0
PWOPRMHS0003149  330.86     3.81       0          0.3        0
PWOPRMHS0003153  336.16     2.43       0          0.3        0
PWOPRMHS0003160  335.5      2.92       0          0.3        0
PWOPRMHS0004129  329.07     2          0          0.3        0
PWOPRMHS0004130  328.83     2.13       0          0.3        0
PWOPRMHS0004131  328.57     2          0          0.3        0
PWOPRMHS0004132  328.13     2.51       0          0.3        0
PWOPRMHS0004133  328.79     2          0          0.3        0
PWOPRMHS0004134  331.94     2          0          0.3        0
PWOPRMHS0004135  332.43     2.02       0          0.3        0
PWOPRMHS0004137  334.38     2.53       0          0.3        0
PWOPRMHS0004141  327.38     2.19       0          0.3        0
PWOPRMHS0004142  327.04     2.46       0          0.3        0
PWOPRMHS0004143  327.78     2          0          0.3        0
PWOPRMHS0004146  332.4      2          0          0.3        0
PWOPRMHS0004159  329.63     2          0          0.3        0
PWOPRMHS0004201  329.52     2          0          0.3        0
PWOPRMHS0004998  326.73     2          0          0.3        0
PWOPRMHS0004999  327.49     2          0          0.3        0
```

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PWOPRMHS0005000  326.99     2.32       0          0.3        0
PWOPRMHS0005001  327.12     2.55       0          0.3        0
PWOPRMHS0005003  326.19     2          0          0.3        0
PWOPRMHS0005008  338.52     4.48       0          0.3        0
PWOPRMHS0005009  339.39     4.26       0          0.3        0
PWOPRMHS0005010  338.14     4.66       0          0.3        0
PWOPRMHS0005011  334.98     3.72       0          0.3        0
PWOPRMHS0005012  335.55     3.95       0          0.3        0
PWOPRMHS0005013  334.8      3.45       0          0.3        0
PWOPRMHS0005178  328.64     2          0          0.3        0
;NA
PWOPRMHS0005179  326.2      4.1        0          0.3        0
;NA
PWOPRMHS0005181  326.66     3.12       0          0.3        0
;NA
PWOPRMHS0005183  327.74     2.96       0          0.3        0
;NA
PWOPRMHS0005188  329.94     2.33       0          0.3        0
;NA
PWOPRMHS0005196  328.21     2.69       0          0.3        0
;NA
PWOPRMHS0005223  325.84     3.81       0          0.3        0
;NA
PWOPRMHS0005226  325.46     3.04       0          0.3        0
;NA
PWOPRMHS0005229  324.74     2.51       0          0.3        0
;NA
PWOPRMHS0005230  324.55     2.65       0          0.3        0
;NA
PWOPRMHS0005231  325.24     2.4        0          0.3        0
;NA
PWOPRMHS0005906  319.63     2          0          0.3        0
;NA
PWOPRMHS0005908  318.92     2.18       0          0.3        0
;NA
PWOPRMHS0005909  318.44     2.56       0          0.3        0
;NA
PWOPRMHS0005910  318.95     2.55       0          0.3        0
;NA
PWOPRMHS0005911  319.29     2.46       0          0.3        0
;NA
```

```
PWOPRMHS0005924  318.6      2.4        0          0.3        0
;NA
PWOPRMHS0005926  318.05     2.75       0          0.3        0
;NA
PWOPRMHS0005927  317.76     2.44       0          0.3        0
;NA
PWOPRMHS0005930  317.25     2.3        0          0.3        0
;NA
PWOPRMHS0005931  317.7      2          0          0.3        0
;NA
PWOPRMHS0005932  317.88     2          0          0.3        0
;NA
PWOPRMHS0005944  318.32     2.18       0          0.3        0
;NA
PWOPRMHS0005945  318.22     2          0          0.3        0
;NA
PWOPRMHS0005946  318.5      2          0          0.3        0
SWMPOND          322        3          0          0.3        0

[OUTFALLS]
;;               Invert     Outfall    Stage/Table      Tide
;;Name           Elev.      Type       Time Series      Gate     Route To
;;-------------- ---------- ---------- ---------------- -------- ----------------
HanlonCreek      300        FREE                        NO

[CONDUITS]
;;               Inlet            Outlet                       Manning    Inlet      Outlet     Init.      Max.
;;Name           Node             Node             Length      N          Offset     Offset     Flow       Flow
;;-------------- ---------------- ---------------- ---------- ---------- ---------- ---------- ---------- ---------
-
1                1                14               360.305    0.013      0          0          0          0
10               24               9                457.949    0.013      0          0          0          0
11               18               42               301.149    0.013      0          0          0          0
;B1_PEAK
13               37               19               155.827    0.013      0          0          0          0
14               19               18               146.578    0.013      0          0          0          0
15               22               25               93.126     0.013      0          0          0          0
16               2                8                631.141    0.013      324        320.964    0          0
17               25               24               181.69     0.013      0          0          0          0
18               9                7                420.604    0.013      0          0          0          0
19               11               12               195.669    0.013      0          0          0          0
```

;A1_PEAK								
2	14	3	73.666	0.013	0	0	0	0
20	12	13	179.641	0.013	0	0	0	0
21	13	53	212.047	0.013	0	0	0	0
;E1_PEAK								
22	53	15	78.987	0.013	0	0	0	0
23	15	54	67.515	0.013	0	0	0	0
;E2_PEAK								
24	54	17	115.43	0.013	0	0	0	0
25	26	27	458.274	0.013	0	0	0	0
26	39	21	482.961	0.013	0	0	0	0
27	27	48	289.263	0.013	0	0	0	0
;D1_PEAK								
28	48	29	179.257	0.013	0	0	0	0
29	30	31	89.546	0.013	0	0	0	0
3	3	20	432.496	0.013	0	0	0	0
30	31	32	191.886	0.013	0	0	0	0
31	32	50	225.886	0.013	0	0	0	0
;D4_PEAK								
32	50	34	141.055	0.013	0	0	0	0
33	34	35	72.595	0.013	0	0	0	0
34	35	36	438.635	0.013	0	0	0	0
35	36	13	141.013	0.013	0	0	0	0
;D3_PEAK								
37	49	39	149.853	0.013	0	0	0	0
38	29	21	402.301	0.013	0	0	0	0
;A2_PEAK								
4	20	5	122.283	0.013	0	0	0	0
;D2_PEAK								
40	21	30	133.451	0.013	0	0	0	0
41	17	56	1006.975	0.013	0	0	0	0
;B2_PEAK								
42	42	22	155.737	0.013	0	0	0	0
43	4	37	223.1	0.013	325	324.1	0	0
;A4_PEAK								
47	7	11	399.547	0.013	0	0	0	0
5	5	6	219.322	0.013	0	0	0	0
6	6	28	710.032	0.013	0	0	0	0
;A3_PEAK								
7	28	8	697.823	0.013	0	0	0	0
70	56	HanlonCreek	345.809	0.013	301.1	301	0	0

```
8                 8                 9                 403.532    0.013      0          0          0          0
;C1_PEAK
9                 40                7                 339.22     0.013      0          0          0          0
;NA
PWOPRSES0001498   PWOPRMHS0001398   PWOPRMHS0001399   33         0.013      317.27     317.16     0          0
;NA
PWOPRSES0001507   PWOPRMHS0001408   PWOPRMHS0001404   46.5       0.013      320.83     320.66     0          0
;NA
PWOPRSES0001510   PWOPRMHS0001467   PWOPRMHS0001404   64         0.013      320.92     320.58     0          0
;NA
PWOPRSES0001511   PWOPRMHS0001423   PWOPRMHS0001422   25.1       0.013      320.43     320.3      0          0
;NA
PWOPRSES0001512   PWOPRMHS0001430   PWOPRMHS0001423   31.8       0.013      321.23     320.64     0          0
;NA
PWOPRSES0001515   PWOPRMHS0001428   PWOPRMHS0001429   57.9       0.013      323.21     321.45     0          0
;NA
PWOPRSES0001516   PWOPRMHS0001429   PWOPRMHS0001421   22.8       0.013      321.35     321.02     0          0
;NA
PWOPRSES0001518   PWOPRMHS0001431   PWOPRMHS0001372   63.5       0.013      323.01     320.26     0          0
;NA
PWOPRSES0001519   PWOPRMHS0001393   PWOPRMHS0001415   139.1      0.013      320.19     319.77     0          0
;NA
PWOPRSES0001520   PWOPRMHS0001394   PWOPRMHS0001402   74.3       0.013      316.86     316.6      0          0
;NA
PWOPRSES0001521   PWOPRMHS0001391   PWOPRMHS0001394   83.9       0.013      317.27     316.96     0          0
;NA
PWOPRSES0001522   PWOPRMHS0001390   PWOPRMHS0001391   38.1       0.013      317.49     317.41     0          0
;NA
PWOPRSES0001524   PWOPRMHS0001392   PWOPRMHS0001391   54.7       0.013      318.18     317.41     0          0
;NA
PWOPRSES0001525   PWOPRMHS0001422   PWOPRMHS0001373   64.5       0.013      320.28     320.06     0          0
;NA
PWOPRSES0001530   PWOPRMHS0001404   PWOPRMHS0001393   106.8      0.013      320.54     320.21     0          0
;NA
PWOPRSES0001534   PWOPRMHS0001388   PWOPRMHS0001387   54.9       0.013      318.93     318.79     0          0
;NA
PWOPRSES0001535   PWOPRMHS0001389   PWOPRMHS0001388   54.9       0.013      319.13     318.93     0          0
;NA
PWOPRSES0001536   PWOPRMHS0001369   PWOPRMHS0001389   63.9       0.013      319.39     319.19     0          0
;NA
PWOPRSES0001537   PWOPRMHS0001415   PWOPRMHS0001369   76.2       0.013      319.68     319.44     0          0
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;NA
PWOPRSES0001538  PWOPRMHS0001373  PWOPRMHS0001415  13.3       0.013      320.02     319.68     0          0
;NA
PWOPRSES0001541  PWOPRMHS0001399  PWOPRMHS0001400  34.7       0.013      317.15     316.99     0          0
;NA
PWOPRSES0001542  PWOPRMHS0001400  PWOPRMHS0001401  58.2       0.013      316.99     316.69     0          0
;NA
PWOPRSES0001543  PWOPRMHS0001401  13               169.918    0.013      316.67     314.5      0          0
;NA
PWOPRSES0001544  PWOPRMHS0001402  36               219.005    0.013      316.5      315.5      0          0
;NA
PWOPRSES0001545  PWOPRMHS0001395  PWOPRMHS0001402  49         0.013      316.79     316.62     0          0
;NA
PWOPRSES0001546  PWOPRMHS0001916  PWOPRMHS0001855  20.24      0.013      327.59     326.87     0          0
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PWOPRSES0001547  PWOPRMHS0001856  PWOPRMHS0001916  16.46      0.013      327.73     327.6      0          0
;NA
PWOPRSES0001548  PWOPRMHS0001804  PWOPRMHS0001855  104.4      0.013      331.98     326.78     0          0
;NA
PWOPRSES0001551  PWOPRMHS0001915  PWOPRMHS0001856  68.43      0.013      329.19     327.81     0          0
;NA
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;NA
PWOPRSES0001556  PWOPRMHS0001857  PWOPRMHS0001437  62.61      0.013      322.43     319.38     0          0
;NA
PWOPRSES0001557  PWOPRMHS0001433  PWOPRMHS0001418  11.89      0.01       319.78     319.3      0          0
;NA
PWOPRSES0001558  PWOPRMHS0001416  PWOPRMHS0001418  80.71      0.01       318.99     318.745    0          0
;NA
PWOPRSES0001559  PWOPRMHS0001403  MHSWM4           83.375     0.01       321.7      319.25     0          0
;NA
PWOPRSES0001564  PWOPRMHS0001437  PWOPRMHS0001436  15.24      0.01       319.38     319.02     0          0
;NA
PWOPRSES0001565  PWOPRMHS0001436  PWOPRMHS0001438  62.18      0.013      318.35     318.2      0          0
;NA
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;NA
PWOPRSES0001567  PWOPRMHS0001435  PWOPRMHS0001438  19.81      0.013      319.64     319.43     0          0
;NA
PWOPRSES0001571  PWOPRMHS0001796  PWOPRMHS0001797  35.4       0.013      326.65     326.42     0          0
;NA
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;NA
PWOPRSES0001575  PWOPRMHS0001386  50               210.178    0.013      318.61     318        0          0
;NA
PWOPRSES0001576  MHEasement2      PWOPRMHS0001386  27.2       0.013      318.7      318.61     0          0
;NA
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;NA
PWOPRSES0001579  PWOPRMHS0001421  PWOPRMHS0001420  29.1       0.013      320.94     320.57     0          0
;NA
PWOPRSES0001580  PWOPRMHS0001420  PWOPRMHS0001419  29.3       0.013      320.5      320.06     0          0
;NA
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;NA
PWOPRSES0001582  PWOPRMHS0001374  PWOPRMHS0001375  13.6       0.013      319.69     319.61     0          0
;NA
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;NA
PWOPRSES0001584  PWOPRMHS0001371  PWOPRMHS0001370  11.3       0.013      319.82     319.49     0          0
;NA
PWOPRSES0001585  PWOPRMHS0001375  PWOPRMHS0001370  53.2       0.013      319.57     319.27     0          0
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;NA
PWOPRSES0001587  PWOPRMHS0001370  MHEasement1      21.3       0.013      319.27     319.07     0          0
;NA
PWOPRSES0001633  PWOPRMHS0001413  PWOPRMHS0001412  14.33      0.013      331.74     331.69     0          0
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;NA
PWOPRSES0001654  PWOPRMHS0001634  PWOPRMHS0001791  141.73     0.013      326.21     325.67     0          0
;NA
PWOPRSES0001655  PWOPRMHS0001792  PWOPRMHS0001836  77.27      0.013      325.24     324.6      0          0
;NA
PWOPRSES0001656  PWOPRMHS0001836  PWOPRMHS0001788  152.1      0.013      324.56     323.43     0          0
;NA
PWOPRSES0001658  PWOPRMHS0001410  PWOPRMHS0001634  81.69      0.013      326.47     326.21     0          0
;NA
PWOPRSES0001660  PWOPRMHS0001791  PWOPRMHS0001792  72.09      0.013      325.59     325.38     0          0
;NA
PWOPRSES0001662  PWOPRMHS0001798  PWOPRMHS0001792  15.39      0.013      326.06     325.85     0          0
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;NA
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PWOPRSES0001667  MHSWM4           PWOPRMHS0001416  26.6       0.013      319.25     319.01     0          0
;NA
PWOPRSES0001679  PWOPRMHS0001409  PWOPRMHS0001410  54.56      0.013      327.81     327.07     0          0
;NA
PWOPRSES0001680  PWOPRMHS0001411  PWOPRMHS0001410  15.24      0.013      327.47     327        0          0
;NA
PWOPRSES0001681  PWOPRMHS0001412  PWOPRMHS0001411  74.68      0.013      331.69     327.81     0          0
;NA
PWOPRSES0001682  PWOPRMHS0001767  PWOPRMHS0001410  89.46      0.013      327.25     326.84     0          0
;NA
PWOPRSES0001684  PWOPRMHS0001768  PWOPRMHS0001767  42.22      0.013      327.85     327.53     0          0
;NA
PWOPRSES0001687  PWOPRMHS0001655  PWOPRMHS0001649  18         0.013      330        329.33     0          0
;NA
PWOPRSES0001688  PWOPRMHS0001649  PWOPRMHS0001652  101        0.013      329.21     326.99     0          0
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PWOPRSES0001698  PWOPRMHS0001652  PWOPRMHS0001664  21         0.013      326.89     326.35     0          0
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PWOPRSES0001711  PWOPRMHS0001706  PWOPRMHS0001677  81.3       0.013      327.14     326.76     0          0
PWOPRSES0001712  PWOPRMHS0001678  PWOPRMHS0001677  8.3        0.013      327.01     326.78     0          0
PWOPRSES0001713  PWOPRMHS0001677  PWOPRMHS0001676  42.6       0.013      326.59     326.4      0          0
;NA
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PWOPRSES0001721  PWOPRMHS0001697  PWOPRMHS0001736  96.7       0.013      323.91     323.52     0          0
PWOPRSES0001724  PWOPRMHS0001689  PWOPRMHS0001687  74.5       0.013      326.61     326.4      0          0
PWOPRSES0001725  PWOPRMHS0001687  PWOPRMHS0001688  41         0.013      326.4      326.2      0          0
PWOPRSES0001728  PWOPRMHS0001688  PWOPRMHS0001674  17.1       0.013      326.1      326.01     0          0
PWOPRSES0001730  PWOPRMHS0001674  PWOPRMHS0001713  86.1       0.013      325.88     325.51     0          0
PWOPRSES0001732  PWOPRMHS0001705  PWOPRMHS0001688  74         0.013      328.53     327.53     0          0
PWOPRSES0001733  PWOPRMHS0001676  PWOPRMHS0001674  15.4       0.013      326.33     326.32     0          0
PWOPRSES0001744  PWOPRMHS0001746  PWOPRMHS0001744  32.5       0.013      327.93     327.78     0          0
PWOPRSES0001745  PWOPRMHS0001686  PWOPRMHS0001682  11.1       0.013      328.55     328.21     0          0
PWOPRSES0001747  PWOPRMHS0002046  PWOPRMHS0001682  55.95      0.013      330.72     328.73     0          0
PWOPRSES0001748  PWOPRMHS0001682  PWOPRMHS0001689  94         0.013      328.1      326.73     0          0
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PWOPRSES0001750  PWOPRMHS0001690  PWOPRMHS0001689  16.1       0.013      326.74     326.63     0          0
PWOPRSES0001753  PWOPRMHS0001691  PWOPRMHS0001690  42.5       0.01       326.982    326.74     0          0
PWOPRSES0001754  PWOPRMHS0001741  PWOPRMHS0002051  84.5       0.013      329.48     328.91     0          0
PWOPRSES0001755  PWOPRMHS0001745  PWOPRMHS0001746  32.1       0.013      328.06     327.95     0          0
PWOPRSES0001756  PWOPRMHS0001744  PWOPRMHS0001692  13.5       0.013      327.73     327.68     0          0
PWOPRSES0001757  PWOPRMHS0002051  PWOPRMHS0001745  32.8       0.013      328.27     328.14     0          0
PWOPRSES0001758  PWOPRMHS0001874  PWOPRMHS0001732  85.2       0.013      329.87     329.28     0          0
PWOPRSES0001759  PWOPRMHS0001692  PWOPRMHS0001743  70.9       0.01       327.57     327.315    0          0
PWOPRSES0001760  PWOPRMHS0001743  PWOPRMHS0001691  18.8       0.013      327.29     327.19     0          0
PWOPRSES0001761  PWOPRMHS0001919  PWOPRMHS0001691  18.5       0.013      327.8      327.71     0          0
PWOPRSES0001765A PWOPRMHS0001740  MHSchool         46.6       0.013      328.72     328.55     0          0
PWOPRSES0001765B MHSchool         PWOPRMHS0002051  24.3       0.013      328.55     328.46     0          0
PWOPRSES0001766  PWOPRMHS0002041  MHSchool         16.96      0.013      329.07     328.87     0          0
PWOPRSES0001768  PWOPRMHS0002050  PWOPRMHS0002051  17.64      0.013      328.97     328.76     0          0
PWOPRSES0001770  PWOPRMHS0001679  PWOPRMHS0001680  13.11      0.013      335.89     335.79     0          0
PWOPRSES0001771  PWOPRMHS0002095  PWOPRMHS0001680  13.41      0.013      336.04     335.26     0          0
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PWOPRSES0001774  PWOPRMHS0001614  PWOPRMHS0001611  44         0.013      322.91     322.87     0          0
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PWOPRSES0001775  PWOPRMHS0001611  18               28.03      0.01       322.87     322.5      0          0
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PWOPRSES0001780  PWOPRMHS0001605  PWOPRMHS0001604  18         0.013      324.34     324.24     0          0
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PWOPRSES0001798  PWOPRMHS0001670  22               88.074     0.01       322.92     322        0          0
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PWOPRSES0001803  PWOPRMHS0001695  SWMPOND          96.049     0.013      322.25     322        0          0
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PWOPRSES0001807  PWOPRMHS0001928  SWMPOND          124.699    0.013      322.2      322        0          0
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;NA
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PWOPRSES0002120  PWOPRMHS0001732  PWOPRMHS0001739  9.7        0.013      328.98     328.92     0          0
PWOPRSES0002121  PWOPRMHS0001729  PWOPRMHS0001732  18.6       0.013      329.08     329.04     0          0
PWOPRSES0002122  PWOPRMHS0001739  PWOPRMHS0001740  15.5       0.013      328.89     328.77     0          0
PWOPRSES0003435  PWOPRMHS0003137  PWOPRMHS0003136  23.4       0.013      329.5      328.99     0          0
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PWOPRSES0003439  PWOPRMHS0003140  PWOPRMHS0001678  48.8       0.013      327.35     327.07     0          0
PWOPRSES0003446  PWOPRMHS0003146  PWOPRMHS0003147  50.75      0.013      334.6      334.5      0          0
PWOPRSES0003447  PWOPRMHS0003147  PWOPRMHS0003148  22         0.013      333.79     332.64     0          0
PWOPRSES0003448  PWOPRMHS0003148  PWOPRMHS0003149  9.25       0.013      331.89     331.68     0          0
PWOPRSES0003449  PWOPRMHS0003149  PWOPRMHS0003137  58.3       0.013      330.86     329.6      0          0
PWOPRSES0003457  PWOPRMHS0003153  PWOPRMHS0001679  35.97      0.013      336.16     335.89     0          0
PWOPRSES0003465  PWOPRMHS0003160  PWOPRMHS0003146  19.51      0.013      335.5      335.01     0          0
PWOPRSES0003466  PWOPRMHS0001680  PWOPRMHS0003146  70.41      0.013      335.06     334.68     0          0
;NA
PWOPRSES0004584  PWOPRMHS0004135  PWOPRMHS0004134  13.2       0.013      332.43     331.94     0          0
;NA
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;NA
PWOPRSES0004586  PWOPRMHS0004133  PWOPRMHS0004132  16.7       0.013      328.79     328.58     0          0
;NA
PWOPRSES0004587  PWOPRMHS0004129  PWOPRMHS0004130  17.5       0.013      329.07     328.95     0          0
;NA
PWOPRSES0004588  PWOPRMHS0004130  PWOPRMHS0004131  64.7       0.013      328.83     328.57     0          0
;NA
PWOPRSES0004589  PWOPRMHS0004137  PWOPRMHS0004135  76.8       0.013      334.38     332.43     0          0
;NA
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;NA
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;NA
PWOPRSES0004592  PWOPRMHS0004141  PWOPRMHS0004142  54.6       0.013      327.38     327.07     0          0
;NA
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PWOPRSES0004593  PWOPRMHS0004143  PWOPRMHS0004141  5.5        0.013      327.78     327.61     0          0
;NA
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;NA
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;NA
PWOPRSES0004603  PWOPRMHS0004159  PWOPRMHS0004130  84.3       0.013      329.63     329.01     0          0
;NA
PWOPRSES0004637  PWOPRMHS0004201  PWOPRMHS0004132  41.8       0.013      329.52     328.58     0          0
;NA
PWOPRSES0005529  PWOPRMHS0004998  PWOPRMHS0001602  47.6       0.013      326.73     326.02     0          0
;NA
PWOPRSES0005530  PWOPRMHS0004999  PWOPRMHS0005000  20.1       0.013      327.49     327.23     0          0
;NA
PWOPRSES0005531  PWOPRMHS0005001  PWOPRMHS0005000  21.4       0.013      327.12     327.09     0          0
;NA
PWOPRSES0005532  PWOPRMHS0005000  PWOPRMHS0005003  105.011    0.013      326.99     326.19     0          0
;NA
PWOPRSES0005534  PWOPRMHS0005003  PWOPRMHS0001608  105.5      0.013      326.19     325.8      0          0
;NA
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;NA
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;NA
PWOPRSES0005537  PWOPRMHS0005010  PWOPRMHS0005011  120.5      0.013      338.14     335.07     0          0
;NA
PWOPRSES0005539  PWOPRMHS0005012  PWOPRMHS0005011  60.5       0.013      335.55     335.08     0          0
;NA
PWOPRSES0005540  PWOPRMHS0005011  PWOPRMHS0005013  6.8        0.013      334.98     334.9      0          0
;NA
PWOPRSES0005541  PWOPRMHS0005013  PWOPRMHS0004137  40.4       0.013      334.8      334.38     0          0
PWOPRSES0005710  PWOPRMHS0001713  37               161.268    0.01       325.51     324.1      0          0
;NA
PWOPRSES0005734  PWOPRMHS0005178  PWOPRMHS0004142  92.8       0.013      328.64     327.07     0          0
;NA
PWOPRSES0005735  PWOPRMHS0005181  PWOPRMHS0005179  96         0.013      326.66     326.24     0          0
;NA
PWOPRSES0005736  PWOPRMHS0005183  PWOPRMHS0005181  91         0.013      327.74     326.79     0          0
;NA
PWOPRSES0005739  PWOPRMHS0005188  PWOPRMHS0005183  99         0.01       329.94     327.74     0          0
;NA
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PWOPRSES0005744  PWOPRMHS0005196  PWOPRMHS0005183  17         0.013      328.21     327.74     0          0
;NA
PWOPRSES0005766  PWOPRMHS0005179  PWOPRMHS0005223  55         0.013      326.2      325.88     0          0
;NA
PWOPRSES0005767  PWOPRMHS0005223  PWOPRMHS0005226  71.8       0.013      325.84     325.48     0          0
;NA
PWOPRSES0005768  PWOPRMHS0005226  PWOPRMHS0005230  74.2       0.013      325.46     325.04     0          0
;NA
PWOPRSES0005769  PWOPRMHS0005230  24               335.253    0.01       324.55     320.5      0          0
;NA
PWOPRSES0005770  PWOPRMHS0005231  PWOPRMHS0005229  71.1       0.013      325.24     324.74     0          0
;NA
PWOPRSES0005771  PWOPRMHS0005229  PWOPRMHS0005230  8.6        0.01       324.74     324.59     0          0
;NA
PWOPRSES0006537  PWOPRMHS0005944  PWOPRMHS0005945  34.65      0.013      318.32     318.22     0          0
;NA
PWOPRSES0006538  PWOPRMHS0005906  PWOPRMHS0001388  81.91      0.013      319.63     319.19     0          0
;NA
PWOPRSES0006542  PWOPRMHS0005908  PWOPRMHS0005909  41.76      0.013      318.92     318.72     0          0
;NA
PWOPRSES0006547  PWOPRMHS0005911  PWOPRMHS0005910  51.83      0.013      319.29     319.05     0          0
;NA
PWOPRSES0006548  PWOPRMHS0005910  PWOPRMHS0005909  55.9       0.013      318.95     318.66     0          0
;NA
PWOPRSES0006549  PWOPRMHS0005909  PWOPRMHS0005926  56.32      0.013      318.44     318.1      0          0
;NA
PWOPRSES0006550  PWOPRMHS0005926  PWOPRMHS0005927  29.23      0.013      318.05     317.93     0          0
;NA
PWOPRSES0006551  PWOPRMHS0005924  PWOPRMHS0005927  90.05      0.013      318.6      318        0          0
;NA
PWOPRSES0006552  PWOPRMHS0005927  PWOPRMHS0005930  107.56     0.013      317.76     317.27     0          0
;NA
PWOPRSES0006553  PWOPRMHS0005930  36               354.591    0.013      317.25     315.5      0          0
;NA
PWOPRSES0006554  PWOPRMHS0005931  PWOPRMHS0005930  17.01      0.013      317.7      317.41     0          0
;NA
PWOPRSES0006555  PWOPRMHS0005932  PWOPRMHS0005930  58.07      0.013      317.88     317.37     0          0
;NA
PWOPRSES0006576  PWOPRMHS0005946  PWOPRMHS0005945  32.9       0.013      318.5      318.31     0          0
;NA
PWOPRSES0006577  PWOPRMHS0005945  PWOPRMHS0005931  82         0.013      318.22     317.74     0          0
```

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;NA
STMEasement      MHEasement1      MHEasement2      72.3       0.013      319.07     318.7      0          0
SWMPOND_OUT      SWMPOND          24               215.307    0.013      322        320.5      0          0

[XSECTIONS]
;;Link           Shape        Geom1            Geom2      Geom3      Geom4      Barrels
;;-------------- ------------ ---------------- ---------- ---------- ---------- ----------
1                TRAPEZOIDAL  3                2          1          1          1
10               TRAPEZOIDAL  3                2          1          1          1
11               TRAPEZOIDAL  3                2          1          1          1
13               TRAPEZOIDAL  3                2          1          1          1
14               TRAPEZOIDAL  3                2          1          1          1
15               TRAPEZOIDAL  3                2          1          1          1
16               TRAPEZOIDAL  3                2          1          1          1
17               TRAPEZOIDAL  3                2          1          1          1
18               TRAPEZOIDAL  3                2          1          1          1
19               TRAPEZOIDAL  3                2          1          1          1
2                TRAPEZOIDAL  3                2          1          1          1
20               TRAPEZOIDAL  3                2          1          1          1
21               TRAPEZOIDAL  3                3          1          1          1
22               TRAPEZOIDAL  3                2          1          1          1
23               TRAPEZOIDAL  3                2          1          1          1
24               TRAPEZOIDAL  3                2          1          1          1
25               TRAPEZOIDAL  3                2          1          1          1
26               TRAPEZOIDAL  3                2          1          1          1
27               TRAPEZOIDAL  3                2          1          1          1
28               TRAPEZOIDAL  3                2          1          1          1
29               TRAPEZOIDAL  3                2          1          1          1
3                TRAPEZOIDAL  3                2          1          1          1
30               TRAPEZOIDAL  3                2          1          1          1
31               TRAPEZOIDAL  3                2          1          1          1
32               TRAPEZOIDAL  3                2          1          1          1
33               TRAPEZOIDAL  3                2          1          1          1
34               TRAPEZOIDAL  3                2          1          1          1
35               TRAPEZOIDAL  3                2          1          1          1
37               TRAPEZOIDAL  3                2          1          1          1
38               TRAPEZOIDAL  3                2          1          1          1
4                TRAPEZOIDAL  3                2          1          1          1
40               TRAPEZOIDAL  3                2          1          1          1
41               TRAPEZOIDAL  3                2          1          1          1
42               RECT_CLOSED  2                2          0          0          1
```

43	TRAPEZOIDAL	3	2	1	1	1
47	TRAPEZOIDAL	3	2	1	1	1
5	TRAPEZOIDAL	3	2	1	1	1
6	TRAPEZOIDAL	3	2	1	1	1
7	TRAPEZOIDAL	3	2	1	1	1
70	TRAPEZOIDAL	3	2	1	1	1
8	TRAPEZOIDAL	4	2	1	1	1
9	TRAPEZOIDAL	3	2	1	1	1
PWOPRSES0001498	CIRCULAR	2	0	0	0	1
PWOPRSES0001507	CIRCULAR	2	0	0	0	1
PWOPRSES0001510	CIRCULAR	2	0	0	0	1
PWOPRSES0001511	CIRCULAR	2	0	0	0	1
PWOPRSES0001512	CIRCULAR	2	0	0	0	1
PWOPRSES0001515	CIRCULAR	2	0	0	0	1
PWOPRSES0001516	CIRCULAR	2	0	0	0	1
PWOPRSES0001518	CIRCULAR	2	0	0	0	1
PWOPRSES0001519	HORIZ_ELLIPSE	2	1.15	0	0	1
PWOPRSES0001520	CIRCULAR	2	0	0	0	1
PWOPRSES0001521	CIRCULAR	2	0	0	0	1
PWOPRSES0001522	CIRCULAR	2	0	0	0	1
PWOPRSES0001524	CIRCULAR	2	0	0	0	1
PWOPRSES0001525	CIRCULAR	2	0	0	0	1
PWOPRSES0001530	HORIZ_ELLIPSE	2	1.15	0	0	1
PWOPRSES0001534	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001535	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001536	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001537	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001538	CIRCULAR	2	0	0	0	1
PWOPRSES0001541	CIRCULAR	2	0	0	0	1
PWOPRSES0001542	CIRCULAR	2	0	0	0	1
PWOPRSES0001543	CIRCULAR	3	0	0	0	1
PWOPRSES0001544	CIRCULAR	3	0	0	0	1
PWOPRSES0001545	CIRCULAR	2	0	0	0	1
PWOPRSES0001546	CIRCULAR	2	0	0	0	1
PWOPRSES0001547	CIRCULAR	2	0	0	0	1
PWOPRSES0001548	CIRCULAR	2	0	0	0	1
PWOPRSES0001551	CIRCULAR	2	0	0	0	1
PWOPRSES0001555	CIRCULAR	2	0	0	0	1
PWOPRSES0001556	CIRCULAR	2	0	0	0	1
PWOPRSES0001557	CIRCULAR	2.5	0	0	0	1
PWOPRSES0001558	CIRCULAR	2.5	0	0	0	1

PWOPRSES0001559	CIRCULAR	2	0	0	0	1
PWOPRSES0001564	CIRCULAR	2	0	0	0	1
PWOPRSES0001565	CIRCULAR	2.5	0	0	0	1
PWOPRSES0001566	CIRCULAR	2.5	0	0	0	1
PWOPRSES0001567	CIRCULAR	2.5	0	0	0	1
PWOPRSES0001571	CIRCULAR	2	0	0	0	1
PWOPRSES0001572	CIRCULAR	2	0	0	0	1
PWOPRSES0001575	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001576	CIRCULAR	2	0	0	0	1
PWOPRSES0001577	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001579	CIRCULAR	2	0	0	0	1
PWOPRSES0001580	CIRCULAR	2	0	0	0	1
PWOPRSES0001581	CIRCULAR	2	0	0	0	1
PWOPRSES0001582	CIRCULAR	2	0	0	0	1
PWOPRSES0001583	CIRCULAR	2	0	0	0	1
PWOPRSES0001584	CIRCULAR	2	0	0	0	1
PWOPRSES0001585	CIRCULAR	2	0	0	0	1
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PWOPRSES0001663	CIRCULAR	2	0	0	0	1
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PWOPRSES0001698	CIRCULAR	2	0	0	0	1
PWOPRSES0001699	CIRCULAR	2	0	0	0	1
PWOPRSES0001711	CIRCULAR	2	0	0	0	1
PWOPRSES0001712	CIRCULAR	2	0	0	0	1
PWOPRSES0001713	CIRCULAR	2	0	0	0	1

PWOPRSES0001718	CIRCULAR	2	0	0	0	1
PWOPRSES0001720	CIRCULAR	2	0	0	0	1
PWOPRSES0001721	CIRCULAR	2	0	0	0	1
PWOPRSES0001724	HORIZ_ELLIPSE	2	1.73	0	0	1
PWOPRSES0001725	HORIZ_ELLIPSE	2	1.73	0	0	1
PWOPRSES0001728	HORIZ_ELLIPSE	2	1.73	0	0	1
PWOPRSES0001730	HORIZ_ELLIPSE	2	1.92	0	0	1
PWOPRSES0001732	CIRCULAR	2	0	0	0	1
PWOPRSES0001733	CIRCULAR	2	0	0	0	1
PWOPRSES0001744	CIRCULAR	2	0	0	0	1
PWOPRSES0001745	CIRCULAR	2	0	0	0	1
PWOPRSES0001747	CIRCULAR	2	0	0	0	1
PWOPRSES0001748	CIRCULAR	2	0	0	0	1
PWOPRSES0001750	CIRCULAR	2	0	0	0	1
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PWOPRSES0001765B	CIRCULAR	2	0	0	0	1
PWOPRSES0001766	CIRCULAR	2	0	0	0	1
PWOPRSES0001768	CIRCULAR	2	0	0	0	1
PWOPRSES0001770	CIRCULAR	2	0	0	0	1
PWOPRSES0001771	CIRCULAR	2	0	0	0	1
PWOPRSES0001774	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001775	HORIZ_ELLIPSE	3	1.345	0	0	1
PWOPRSES0001776	CIRCULAR	2	0	0	0	1
PWOPRSES0001777	CIRCULAR	2	0	0	0	1
PWOPRSES0001778	CIRCULAR	2	0	0	0	1
PWOPRSES0001779	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001780	CIRCULAR	2	0	0	0	1
PWOPRSES0001781	CIRCULAR	2	0	0	0	1
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PWOPRSES0001783	CIRCULAR	2	0	0	0	1
PWOPRSES0001784	CIRCULAR	2	0	0	0	1
PWOPRSES0001785	CIRCULAR	2	0	0	0	1

PWOPRSES0001786	CIRCULAR	2	0	0	0	1
PWOPRSES0001790	CIRCULAR	2	0	0	0	1
PWOPRSES0001791	CIRCULAR	2	0	0	0	1
PWOPRSES0001797	CIRCULAR	2	0	0	0	1
PWOPRSES0001798	CIRCULAR	3	0	0	0	1
PWOPRSES0001803	CIRCULAR	2	0	0	0	1
PWOPRSES0001806	CIRCULAR	2	0	0	0	1
PWOPRSES0001807	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001808	CIRCULAR	2	0	0	0	1
PWOPRSES0001809	CIRCULAR	2	0	0	0	1
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PWOPRSES0001825	CIRCULAR	2	0	0	0	1
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PWOPRSES0001827	CIRCULAR	2	0	0	0	1
PWOPRSES0001828	CIRCULAR	2	0	0	0	1
PWOPRSES0001829	HORIZ_ELLIPSE	3	1.52	0	0	1
PWOPRSES0001840	CIRCULAR	2	0	0	0	1
PWOPRSES0001841	CIRCULAR	2	0	0	0	1
PWOPRSES0001842	CIRCULAR	2	0	0	0	1
PWOPRSES0001844	CIRCULAR	2	0	0	0	1
PWOPRSES0001845	CIRCULAR	2	0	0	0	1
PWOPRSES0001855	CIRCULAR	2	0	0	0	1
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PWOPRSES0001861	CIRCULAR	2	0	0	0	1
PWOPRSES0001862	CIRCULAR	2	0	0	0	1
PWOPRSES0001865	CIRCULAR	2	0	0	0	1
PWOPRSES0001866	CIRCULAR	2	0	0	0	1
PWOPRSES0001868	CIRCULAR	2	0	0	0	1
PWOPRSES0001890	CIRCULAR	2	0	0	0	1
PWOPRSES0001891	CIRCULAR	2	0	0	0	1
PWOPRSES0001892	CIRCULAR	2	0	0	0	1
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PWOPRSES0001896	CIRCULAR	2	0	0	0	1
PWOPRSES0001897	CIRCULAR	2	0	0	0	1
PWOPRSES0001899	CIRCULAR	2	0	0	0	1

PWOPRSES0001900	CIRCULAR	2	0	0	0	1
PWOPRSES0001904	CIRCULAR	2	0	0	0	1
PWOPRSES0001905	CIRCULAR	2	0	0	0	1
PWOPRSES0001906	CIRCULAR	2	0	0	0	1
PWOPRSES0001919	CIRCULAR	2	0	0	0	1
PWOPRSES0001930	CIRCULAR	2	0	0	0	1
PWOPRSES0001931	CIRCULAR	2	0	0	0	1
PWOPRSES0001932	CIRCULAR	2	0	0	0	1
PWOPRSES0001941	CIRCULAR	2	0	0	0	1
PWOPRSES0001942	CIRCULAR	2	0	0	0	1
PWOPRSES0001943	CIRCULAR	2	0	0	0	1
PWOPRSES0001944	CIRCULAR	2	0	0	0	1
PWOPRSES0001951	CIRCULAR	2	0	0	0	1
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PWOPRSES0001960	CIRCULAR	2	0	0	0	1
PWOPRSES0001961	CIRCULAR	2	0	0	0	1
PWOPRSES0001962	CIRCULAR	2	0	0	0	1
PWOPRSES0001963	CIRCULAR	2	0	0	0	1
PWOPRSES0001968	CIRCULAR	2	0	0	0	1
PWOPRSES0001972	CIRCULAR	2	0	0	0	1
PWOPRSES0001976	CIRCULAR	2.5	0	0	0	1
PWOPRSES0001977	CIRCULAR	2	0	0	0	1
PWOPRSES0001978	CIRCULAR	3	0	0	0	1
PWOPRSES0001979	CIRCULAR	2	0	0	0	1
PWOPRSES0001984	CIRCULAR	2.5	0	0	0	1
PWOPRSES0002119	CIRCULAR	2	0	0	0	1
PWOPRSES0002120	CIRCULAR	2	0	0	0	1
PWOPRSES0002121	CIRCULAR	2	0	0	0	1
PWOPRSES0002122	CIRCULAR	2	0	0	0	1
PWOPRSES0003435	CIRCULAR	2	0	0	0	1
PWOPRSES0003436	CIRCULAR	2	0	0	0	1
PWOPRSES0003439	CIRCULAR	2	0	0	0	1
PWOPRSES0003446	CIRCULAR	2	0	0	0	1
PWOPRSES0003447	CIRCULAR	2	0	0	0	1
PWOPRSES0003448	CIRCULAR	2	0	0	0	1
PWOPRSES0003449	CIRCULAR	2	0	0	0	1
PWOPRSES0003457	CIRCULAR	2	0	0	0	1
PWOPRSES0003465	CIRCULAR	2	0	0	0	1
PWOPRSES0003466	CIRCULAR	2	0	0	0	1
PWOPRSES0004584	CIRCULAR	2	0	0	0	1
PWOPRSES0004585	CIRCULAR	2	0	0	0	1

PWOPRSES0004586	CIRCULAR	2	0	0	0	1
PWOPRSES0004587	CIRCULAR	2	0	0	0	1
PWOPRSES0004588	CIRCULAR	2	0	0	0	1
PWOPRSES0004589	CIRCULAR	2	0	0	0	1
PWOPRSES0004590	CIRCULAR	2	0	0	0	1
PWOPRSES0004591	HORIZ_ELLIPSE	2	1.535	0	0	1
PWOPRSES0004592	HORIZ_ELLIPSE	2	1.535	0	0	1
PWOPRSES0004593	CIRCULAR	2	0	0	0	1
PWOPRSES0004594	HORIZ_ELLIPSE	2	1.535	0	0	1
PWOPRSES0004597	CIRCULAR	2	0	0	0	1
PWOPRSES0004603	CIRCULAR	2	0	0	0	1
PWOPRSES0004637	CIRCULAR	2	0	0	0	1
PWOPRSES0005529	CIRCULAR	2	0	0	0	1
PWOPRSES0005530	CIRCULAR	2	0	0	0	1
PWOPRSES0005531	CIRCULAR	2	0	0	0	1
PWOPRSES0005532	CIRCULAR	2	0	0	0	1
PWOPRSES0005534	CIRCULAR	2	0	0	0	1
PWOPRSES0005535	CIRCULAR	2	0	0	0	1
PWOPRSES0005536	CIRCULAR	2	0	0	0	1
PWOPRSES0005537	CIRCULAR	2	0	0	0	1
PWOPRSES0005539	CIRCULAR	2	0	0	0	1
PWOPRSES0005540	CIRCULAR	2	0	0	0	1
PWOPRSES0005541	CIRCULAR	2	0	0	0	1
PWOPRSES0005710	HORIZ_ELLIPSE	3	1.92	0	0	1
PWOPRSES0005734	CIRCULAR	2	0	0	0	1
PWOPRSES0005735	CIRCULAR	2	0	0	0	1
PWOPRSES0005736	CIRCULAR	2	0	0	0	1
PWOPRSES0005739	CIRCULAR	2	0	0	0	1
PWOPRSES0005744	CIRCULAR	2	0	0	0	1
PWOPRSES0005766	CIRCULAR	2	0	0	0	1
PWOPRSES0005767	CIRCULAR	2	0	0	0	1
PWOPRSES0005768	CIRCULAR	2	0	0	0	1
PWOPRSES0005769	CIRCULAR	3	0	0	0	1
PWOPRSES0005770	CIRCULAR	2	0	0	0	1
PWOPRSES0005771	CIRCULAR	2	0	0	0	1
PWOPRSES0006537	CIRCULAR	2	0	0	0	1
PWOPRSES0006538	CIRCULAR	2	0	0	0	1
PWOPRSES0006542	CIRCULAR	2	0	0	0	1
PWOPRSES0006547	CIRCULAR	2	0	0	0	1
PWOPRSES0006548	CIRCULAR	2	0	0	0	1
PWOPRSES0006549	CIRCULAR	2	0	0	0	1

```
PWOPRSES0006550  CIRCULAR     2                0          0          0          1
PWOPRSES0006551  CIRCULAR     2                0          0          0          1
PWOPRSES0006552  CIRCULAR     2                0          0          0          1
PWOPRSES0006553  CIRCULAR     3                0          0          0          1
PWOPRSES0006554  CIRCULAR     2                0          0          0          1
PWOPRSES0006555  CIRCULAR     2                0          0          0          1
PWOPRSES0006576  CIRCULAR     2                0          0          0          1
PWOPRSES0006577  CIRCULAR     2                0          0          0          1
STMEasement      CIRCULAR     2                0          0          0          1
SWMPOND_OUT      CIRCULAR     3                0          0          0          1

[TRANSECTS]
;;Transect Data in HEC-2 format
;
;Full street, width = 8m, curb = 0.15m , cross-slope = 0.02m/m, bank-slope = 0.02m/m, bank-height = 0.3m.
NC 0.03     0.03     0.013
X1 2LaneRd           7        7.5      15.5     0.0      0.0      0.0      0.0      0.0
GR 0.3      0        0.15     7.5      0        7.5      0.08     11.5     0        15.5
GR 0.15     15.5     0.3      23
;
;Full street, width = 16m, curb = 0.15m , cross-slope = 0.02m/m, bank-slope = 0.02m/m, bank-height = 0.30m.
NC 0.03     0.03     0.013
X1 4LaneRd           7        7.5      23.5     0.0      0.0      0.0      0.0      0.0
GR 0.3      0        0.15     7.5      0        7.5      0.16     15.5     0        23.5
GR 0.15     23.5     0.3      31

[LOSSES]
;;Link           Inlet      Outlet     Average    Flap Gate  SeepageRate
;;-------------- ---------- ---------- ---------- ---------- ----------
PWOPRSES0001498  0          0.15       0          NO         0
PWOPRSES0001507  0          0.15       0          NO         0
PWOPRSES0001510  0          1          0          NO         0
PWOPRSES0001511  0          0.15       0          NO         0
PWOPRSES0001512  0          0.15       0          NO         0
PWOPRSES0001515  0          0.15       0          NO         0
PWOPRSES0001516  0          0.15       0          NO         0
PWOPRSES0001518  0          0.15       0          NO         0
PWOPRSES0001519  0          0.15       0          NO         0
PWOPRSES0001520  0          1          0          NO         0
PWOPRSES0001521  0          0.15       0          NO         0
PWOPRSES0001522  0          0.15       0          NO         0
```

PWOPRSES0001524	0	1	0	NO	0
PWOPRSES0001525	0	0.15	0	NO	0
PWOPRSES0001530	0	0.15	0	NO	0
PWOPRSES0001534	0	0.15	0	NO	0
PWOPRSES0001535	0	0.15	0	NO	0
PWOPRSES0001536	0	0.15	0	NO	0
PWOPRSES0001537	0	0.15	0	NO	0
PWOPRSES0001538	0	1	0	NO	0
PWOPRSES0001541	0	0.15	0	NO	0
PWOPRSES0001542	0	1	0	NO	0
PWOPRSES0001543	0	0.15	0	NO	0
PWOPRSES0001544	0	0.15	0	NO	0
PWOPRSES0001545	0	0.15	0	NO	0
PWOPRSES0001546	0	0.75	0	NO	0
PWOPRSES0001547	0	0.75	0	NO	0
PWOPRSES0001548	0	0.15	0	NO	0
PWOPRSES0001551	0	0.75	0	NO	0
PWOPRSES0001555	0	0.15	0	NO	0
PWOPRSES0001556	0	0.75	0	NO	0
PWOPRSES0001557	0	1	0	NO	0
PWOPRSES0001558	0	0.75	0	NO	0
PWOPRSES0001559	0	0.15	0	NO	0
PWOPRSES0001564	0	1	0	NO	0
PWOPRSES0001565	0	0.75	0	NO	0
PWOPRSES0001566	0	0.75	0	NO	0
PWOPRSES0001572	0	0.75	0	NO	0
PWOPRSES0001575	0	0.15	0	NO	0
PWOPRSES0001576	0	0.15	0	NO	0
PWOPRSES0001577	0	1	0	NO	0
PWOPRSES0001579	0	0.15	0	NO	0
PWOPRSES0001580	0	0.15	0	NO	0
PWOPRSES0001581	0	0.15	0	NO	0
PWOPRSES0001582	0	0.15	0	NO	0
PWOPRSES0001583	0	0.15	0	NO	0
PWOPRSES0001584	0	1	0	NO	0
PWOPRSES0001585	0	1	0	NO	0
PWOPRSES0001586	0	1	0	NO	0
PWOPRSES0001587	0	0.15	0	NO	0
PWOPRSES0001633	0	1	0	NO	0
PWOPRSES0001634	0	1	0	NO	0
PWOPRSES0001654	0	0.75	0	NO	0

PWOPRSES0001655	0	1	0	NO	0
PWOPRSES0001656	0	0.15	0	NO	0
PWOPRSES0001658	0	0.85	0	NO	0
PWOPRSES0001660	0	1	0	NO	0
PWOPRSES0001662	0	0.75	0	NO	0
PWOPRSES0001679	0	1	0	NO	0
PWOPRSES0001680	0	1	0	NO	0
PWOPRSES0001681	0	0.15	0	NO	0
PWOPRSES0001682	0	0.15	0	NO	0
PWOPRSES0001684	0	1	0	NO	0
PWOPRSES0001687	0	0.85	0	NO	0
PWOPRSES0001688	0	0.75	0	NO	0
PWOPRSES0001698	0	0.75	0	NO	0
PWOPRSES0001699	0	0.75	0	NO	0
PWOPRSES0001711	0	0.15	0	NO	0
PWOPRSES0001712	0	0.75	0	NO	0
PWOPRSES0001713	0	0.75	0	NO	0
PWOPRSES0001724	0	0.85	0	NO	0
PWOPRSES0001725	0	0.75	0	NO	0
PWOPRSES0001728	0	0.75	0	NO	0
PWOPRSES0001730	0	0.15	0	NO	0
PWOPRSES0001732	0	0.75	0	NO	0
PWOPRSES0001733	0	0.75	0	NO	0
PWOPRSES0001744	0	0.75	0	NO	0
PWOPRSES0001745	0	0.75	0	NO	0
PWOPRSES0001747	0	0.15	0	NO	0
PWOPRSES0001748	0	0.15	0	NO	0
PWOPRSES0001750	0	0.75	0	NO	0
PWOPRSES0001753	0	0.75	0	NO	0
PWOPRSES0001754	0	1	0	NO	0
PWOPRSES0001755	0	0.45	0	NO	0
PWOPRSES0001756	0	0.75	0	NO	0
PWOPRSES0001757	0	0.45	0	NO	0
PWOPRSES0001758	0	0.15	0	NO	0
PWOPRSES0001759	0	0.75	0	NO	0
PWOPRSES0001760	0	0.75	0	NO	0
PWOPRSES0001761	0	0.75	0	NO	0
PWOPRSES0001765A	0	0.15	0	NO	0
PWOPRSES0001765B	0	0.15	0	NO	0
PWOPRSES0001768	0	0.75	0	NO	0
PWOPRSES0001770	0	0.75	0	NO	0

PWOPRSES0001771	0	0.75	0	NO	0
PWOPRSES0001775	0	0.15	0	NO	0
PWOPRSES0001776	0	0.15	0	NO	0
PWOPRSES0001777	0	0.75	0	NO	0
PWOPRSES0001778	0	0.75	0	NO	0
PWOPRSES0001779	0	0.75	0	NO	0
PWOPRSES0001780	0	0.75	0	NO	0
PWOPRSES0001781	0	0.75	0	NO	0
PWOPRSES0001782	0	0.75	0	NO	0
PWOPRSES0001783	0	0.15	0	NO	0
PWOPRSES0001784	0	0.15	0	NO	0
PWOPRSES0001785	0	1	0	NO	0
PWOPRSES0001786	0	0.15	0	NO	0
PWOPRSES0001797	0	0.75	0	NO	0
PWOPRSES0001798	0	0.15	0	NO	0
PWOPRSES0001803	0	0.15	0	NO	0
PWOPRSES0001806	0	0.15	0	NO	0
PWOPRSES0001807	0	0.15	0	NO	0
PWOPRSES0001808	0	1	0	NO	0
PWOPRSES0001809	0	0.15	0	NO	0
PWOPRSES0001810	0	1	0	NO	0
PWOPRSES0001812	0	1	0	NO	0
PWOPRSES0001819	0	0.15	0	NO	0
PWOPRSES0001821	0	0.15	0	NO	0
PWOPRSES0001822	0	0.85	0	NO	0
PWOPRSES0001823	0	0.75	0	NO	0
PWOPRSES0001824	0	0.75	0	NO	0
PWOPRSES0001825	0	0.15	0	NO	0
PWOPRSES0001826	0	0.75	0	NO	0
PWOPRSES0001827	0	0.15	0	NO	0
PWOPRSES0001828	0	1	0	NO	0
PWOPRSES0001829	0	0.15	0	NO	0
PWOPRSES0001844	0	0.75	0	NO	0
PWOPRSES0001845	0	0.15	0	NO	0
PWOPRSES0001855	0	0.75	0	NO	0
PWOPRSES0001856	0	1	0	NO	0
PWOPRSES0001861	0	0.15	0	NO	0
PWOPRSES0001862	0	0.75	0	NO	0
PWOPRSES0001865	0	0.15	0	NO	0
PWOPRSES0001866	0	1	0	NO	0
PWOPRSES0001868	0	0.75	0	NO	0

PWOPRSES0001890	0	0.15	0	NO	0
PWOPRSES0001891	0	0.75	0	NO	0
PWOPRSES0001892	0	0.75	0	NO	0
PWOPRSES0001895	0	0.75	0	NO	0
PWOPRSES0001896	0	0.15	0	NO	0
PWOPRSES0001897	0	0.85	0	NO	0
PWOPRSES0001899	0	0.75	0	NO	0
PWOPRSES0001900	0	0.15	0	NO	0
PWOPRSES0001904	0	1	0	NO	0
PWOPRSES0001905	0	0.15	0	NO	0
PWOPRSES0001906	0	1	0	NO	0
PWOPRSES0001919	0	0.45	0	NO	0
PWOPRSES0001930	0	1	0	NO	0
PWOPRSES0001931	0	0.15	0	NO	0
PWOPRSES0001932	0	0.15	0	NO	0
PWOPRSES0001941	0	0.15	0	NO	0
PWOPRSES0001942	0	0.15	0	NO	0
PWOPRSES0001943	0	0.15	0	NO	0
PWOPRSES0001944	0	0.15	0	NO	0
PWOPRSES0001951	0	0.15	0	NO	0
PWOPRSES0001952	0	0.15	0	NO	0
PWOPRSES0001960	0	0.15	0	NO	0
PWOPRSES0001961	0	0.15	0	NO	0
PWOPRSES0001962	0	1	0	NO	0
PWOPRSES0001963	0	0.15	0	NO	0
PWOPRSES0001968	0	0.15	0	NO	0
PWOPRSES0001972	0	0.75	0	NO	0
PWOPRSES0001976	0	0.15	0	NO	0
PWOPRSES0001977	0	0.75	0	NO	0
PWOPRSES0001978	0	0.15	0	NO	0
PWOPRSES0001979	0	0.75	0	NO	0
PWOPRSES0001984	0	0.15	0	NO	0
PWOPRSES0002119	0	0.75	0	NO	0
PWOPRSES0002120	0	0.75	0	NO	0
PWOPRSES0002121	0	0.75	0	NO	0
PWOPRSES0002122	0	0.75	0	NO	0
PWOPRSES0003435	0	0.75	0	NO	0
PWOPRSES0003436	0	0.75	0	NO	0
PWOPRSES0003439	0	0.75	0	NO	0
PWOPRSES0003446	0	0.45	0	NO	0
PWOPRSES0003447	0	0.75	0	NO	0

PWOPRSES0003448	0	0.75	0	NO	0
PWOPRSES0003449	0	0.75	0	NO	0
PWOPRSES0003457	0	0.75	0	NO	0
PWOPRSES0003465	0	0.75	0	NO	0
PWOPRSES0003466	0	0.75	0	NO	0
PWOPRSES0004584	0	0.75	0	NO	0
PWOPRSES0004585	0	0.75	0	NO	0
PWOPRSES0004586	0	0.75	0	NO	0
PWOPRSES0004587	0	0.75	0	NO	0
PWOPRSES0004588	0	0.75	0	NO	0
PWOPRSES0004589	0	0.75	0	NO	0
PWOPRSES0004590	0	0.75	0	NO	0
PWOPRSES0004591	0	0.15	0	NO	0
PWOPRSES0004592	0	0.75	0	NO	0
PWOPRSES0004593	0	1	0	NO	0
PWOPRSES0004594	0	0.15	0	NO	0
PWOPRSES0004603	0	0.15	0	NO	0
PWOPRSES0004637	0	0.15	0	NO	0
PWOPRSES0005529	0	1	0	NO	0
PWOPRSES0005530	0	0.85	0	NO	0
PWOPRSES0005531	0	0.45	0	NO	0
PWOPRSES0005532	0	0.15	0	NO	0
PWOPRSES0005534	0	0.75	0	NO	0
PWOPRSES0005535	0	0.75	0	NO	0
PWOPRSES0005536	0	0.45	0	NO	0
PWOPRSES0005537	0	0.15	0	NO	0
PWOPRSES0005539	0	0.85	0	NO	0
PWOPRSES0005540	0	0.75	0	NO	0
PWOPRSES0005541	0	0.45	0	NO	0
PWOPRSES0005710	0	0.15	0	NO	0
PWOPRSES0005734	0	0.75	0	NO	0
PWOPRSES0005735	0	0.85	0	NO	0
PWOPRSES0005736	0	0.45	0	NO	0
PWOPRSES0005739	0	0.15	0	NO	0
PWOPRSES0005744	0	0.75	0	NO	0
PWOPRSES0005766	0	0.45	0	NO	0
PWOPRSES0005767	0	0.15	0	NO	0
PWOPRSES0005768	0	0.15	0	NO	0
PWOPRSES0005769	0	0.15	0	NO	0
PWOPRSES0005770	0	0.15	0	NO	0
PWOPRSES0005771	0	1	0	NO	0

```
PWOPRSES0006537  0          1          0          NO         0
PWOPRSES0006538  0          1          0          NO         0
PWOPRSES0006542  0          1          0          NO         0
PWOPRSES0006547  0          0.15       0          NO         0
PWOPRSES0006548  0          1          0          NO         0
PWOPRSES0006549  0          0.15       0          NO         0
PWOPRSES0006550  0          0.15       0          NO         0
PWOPRSES0006551  0          1          0          NO         0
PWOPRSES0006552  0          1          0          NO         0
PWOPRSES0006553  0          0.15       0          NO         0
PWOPRSES0006554  0          1          0          NO         0
PWOPRSES0006555  0          0.15       0          NO         0
PWOPRSES0006576  0          0.15       0          NO         0
PWOPRSES0006577  0          0.15       0          NO         0
STMEasement      0          0.15       0          NO         0

[CURVES]
;;Name           Type       X-Value    Y-Value
;;-------------- ---------- ---------- ----------
10CBs            Rating     0          0
10CBs                       0.02       0.6
10CBs                       0.3        0.6

11CBs            Rating     0          0
11CBs                       0.02       0.66
11CBs                       0.3        0.66

12CBs            Rating     0          0
12CBs                       0.02       0.72
12CBs                       0.3        0.72

13CBs            Rating     0          0
13CBs                       0.02       0.78
13CBs                       0.3        0.78

14CBs            Rating     0          0
14CBs                       0.02       0.84
14CBs                       0.3        0.84

15CBs            Rating     0          0
15CBs                       0.02       0.9
15CBs                       0.3        0.9
```

```
16CBs           Rating     0          0
16CBs                      0.02       0.96
16CBs                      0.3        0.96

17CBs           Rating     0          0
17CBs                      0.02       1.02
17CBs                      0.3        1.02

18CBs           Rating     0          0
18CBs                      0.02       1.08
18CBs                      0.3        1.08

1CBs            Rating     0          0
1CBs                       0.01       0.06
1CBs                       0.3        0.06

21CBs           Rating     0          0
21CBs                      0.02       1.26
21CBs                      0.3        1.26

27CBs           Rating     0          0
27CBs                      0.02       1.62
27CBs                      0.3        1.62

2CBs            Rating     0          0
2CBs                       0.01       0.12
2CBs                       0.3        0.12

3CBs            Rating     0          0
3CBs                       0.01       0.18
3CBs                       0.3        0.18

4CBs            Rating     0          0
4CBs                       0.01       0.24
4CBs                       0.3        0.24

5CBs            Rating     0          0
5CBs                       0.01       0.3
5CBs                       0.3        0.3

6CBs            Rating     0          0
```

```
6CBs                        0.01       0.36
6CBs                        0.3        0.36

7CBs             Rating     0          0
7CBs                        0.01       0.42
7CBs                        0.3        0.42

8CBs             Rating     0          0
8CBs                        0.01       0.48
8CBs                        0.3        0.48

9CBs             Rating     0          0
9CBs                        0.01       0.54
9CBs                        0.3        0.54

SWM28RC          Rating     0          0
SWM28RC                     0.615      0
SWM28RC                     0.8        0
SWM28RC                     0.9        0
SWM28RC                     1          0
SWM28RC                     1.1        0.005
SWM28RC                     1.2        0.061
SWM28RC                     1.3        0.088
SWM28RC                     1.4        0.108
SWM28RC                     1.5        0.778
SWM28RC                     1.6        0.814
SWM28RC                     1.7        0.848
SWM28RC                     1.8        0.881
SWM28RC                     1.9        0.912
SWM28RC                     2          0.943
SWM28RC                     2.1        0.972
SWM28RC                     2.2        1.001
SWM28RC                     2.3        1.029
SWM28RC                     2.4        1.056
SWM28RC                     2.5        1.082
SWM28RC                     2.6        1.108
SWM28RC                     2.7        1.133
SWM28RC                     2.8        1.158

;Represents outflow via CB outlets to sewer.  Assumption CBs are at same level as PP (makes sense) - survey shows
them lower, which in turn doesn't match the photos in inventory.
SWM4RC           Rating     0          0
```

```
SWM4RC                      1.25       0
SWM4RC                      1.27       0.024
SWM4RC                      1.31       0.078
SWM4RC                      1.33       0.12
SWM4RC                      1.38       0.24
SWM4RC                      1.45       0.48
SWM4RC                      1.55       1.02
SWM4RC                      1.59       1.2
SWM4RC                      1.73       2.4
SWM4RC                      1.85       3.6
SWM4RC                      2          4.8

ParkStorage      Storage    0          0
ParkStorage                 0.7        900
ParkStorage                 1          16500
ParkStorage                 1.2        29000

SWM28            Storage    0          3450
SWM28                       0.615      3450
SWM28                       0.8        8500
SWM28                       0.9        8500
SWM28                       1          8500
SWM28                       1.1        8500
SWM28                       1.2        8500
SWM28                       1.3        8500
SWM28                       1.4        8500
SWM28                       1.5        8500
SWM28                       1.6        8500
SWM28                       1.7        8500
SWM28                       1.8        8500
SWM28                       1.9        8500
SWM28                       2          8500
SWM28                       2.1        8500
SWM28                       2.2        8500
SWM28                       2.3        8500
SWM28                       2.4        8500
SWM28                       2.5        8500
SWM28                       2.6        8500
SWM28                       2.7        8500
SWM28                       2.8        8500
```

```
;Approximated from TSH report base mapping.  Note that pipe inlet is partially submerged according to photos and
survey.  Dead storage has to be incorporated to allow inlet to discharge into pond below surface WL.  Assuming same
surface area between spillway height and very top (the approx 62.0 feet shown on as-built drawing)
SWM4Storage      Storage    0          1900
SWM4Storage                 1.25       1900
SWM4Storage                 1.55       2400
SWM4Storage                 2          2400

;Depth-Area relationship for forebay area of SWM Pond 7
SWM7FB           Storage    0          285
SWM7FB                      1          560

;Stage-Storage relationship for main cell of SWM Pond 7
SWM7MC           Storage    0          4235
SWM7MC                      1          4925

WetlandA1        Storage    0          0
WetlandA1                   0.5        1993
WetlandA1                   1          10128
WetlandA1                   1.5        19123
WetlandA1                   2          72071
WetlandA1                   2.5        81823
WetlandA1                   3          82759

WetlandA2        Storage    0          0
WetlandA2                   0.5        43647
WetlandA2                   1          98288
WetlandA2                   1.5        113931
WetlandA2                   2          114893
WetlandA2                   2.5        114932
WetlandA2                   3          114932

WetlandA3        Storage    0          12203
WetlandA3                   0.5        31285
WetlandA3                   1          84316
WetlandA3                   1.5        119057
WetlandA3                   2          147660
WetlandA3                   2.5        182929
WetlandA3                   3          251326
WetlandA3                   3.5        340723
WetlandA3                   4          451413
WetlandA3                   4.5        540607
```

```
WetlandA3                   5          566035
WetlandA3                   5.5        567097

WetlandA4        Storage    0          22748
WetlandA4                   0.5        37777
WetlandA4                   1          56843
WetlandA4                   1.5        85353
WetlandA4                   2          136310
WetlandA4                   2.5        254969
WetlandA4                   3          366650
WetlandA4                   3.5        464859
WetlandA4                   4          572352
WetlandA4                   4.5        643960
WetlandA4                   5          729815
WetlandA4                   5.5        794027

WetlandB1        Storage    0          748
WetlandB1                   0.5        2179
WetlandB1                   1          4353
WetlandB1                   1.5        18749
WetlandB1                   2          29524
WetlandB1                   2.5        30815
WetlandB1                   3          30837

WetlandB2        Storage    0          0
WetlandB2                   0.5        24588
WetlandB2                   1          28790
WetlandB2                   1.5        29102
WetlandB2                   2          29102
WetlandB2                   2.5        29102
WetlandB2                   3          29102

WetlandC1        Storage    0          0
WetlandC1                   0.5        2567
WetlandC1                   1          10045
WetlandC1                   1.5        21166
WetlandC1                   2          30166
WetlandC1                   2.5        31435
WetlandC1                   3          31518

WetlandD1        Storage    0          0
```

```
WetlandD1                   0.5        13522
WetlandD1                   1          58665
WetlandD1                   1.5        127160
WetlandD1                   2          131458
WetlandD1                   2.5        131580
WetlandD1                   3          131580

WetlandD2        Storage    0          650
WetlandD2                   0.5        7394
WetlandD2                   1          48890
WetlandD2                   1.5        89082
WetlandD2                   2          133528
WetlandD2                   2.5        153565
WetlandD2                   3          162160

WetlandD3        Storage    0          0
WetlandD3                   0.5        1820
WetlandD3                   1          46389
WetlandD3                   1.5        54012
WetlandD3                   2          56062
WetlandD3                   2.5        56124
WetlandD3                   3          56124

WetlandD4        Storage    0          157
WetlandD4                   0.5        10443
WetlandD4                   1          14310
WetlandD4                   1.5        30878
WetlandD4                   2          33670
WetlandD4                   2.5        34949
WetlandD4                   3          35215

WetlandE1        Storage    0          0
WetlandE1                   0.5        7717.148314
WetlandE1                   1          17612.80256
WetlandE1                   1.5        25586.52171
WetlandE1                   2          28587
WetlandE1                   2.5        29290
WetlandE1                   3          29297

WetlandE2        Storage    0          0
WetlandE2                   0.5        6088.864713
```

```
WetlandE2                   1          7509.22668
WetlandE2                   1.5        7840
WetlandE2                   2          7885
WetlandE2                   2.5        7885
WetlandE2                   3          7885

WetlandE3        Storage    0          262.986564
WetlandE3                   1          8013.773861
WetlandE3                   2          17068.55258
WetlandE3                   3          23881.86007
WetlandE3                   4          31930.37758
WetlandE3                   5          45851.68924
WetlandE3                   6          59052.95639
WetlandE3                   7          67360.7874
WetlandE3                   8          77508.42571
WetlandE3                   9          80545.00609
WetlandE3                   10         92149.70895
WetlandE3                   11         108177.4222

[TIMESERIES]
;;Name           Date       Time       Value
;;-------------- ---------- ---------- ----------
;Guelph IDF Curve
AES12hour_100yr             0:15       1.01
AES12hour_100yr             0:30       1.01
AES12hour_100yr             0:45       1.01
AES12hour_100yr             1:00       1.01
AES12hour_100yr             1:15       1.01
AES12hour_100yr             1:30       1.01
AES12hour_100yr             1:45       1.01
AES12hour_100yr             2:00       1.01
AES12hour_100yr             2:15       5.81
AES12hour_100yr             2:30       5.81
AES12hour_100yr             2:45       5.81
AES12hour_100yr             3:00       5.81
AES12hour_100yr             3:15       16.65
AES12hour_100yr             3:30       16.65
AES12hour_100yr             3:45       16.65
AES12hour_100yr             4:00       16.65
AES12hour_100yr             4:15       44.93
AES12hour_100yr             4:30       44.93
```

```
AES12hour_100yr             4:45       44.93
AES12hour_100yr             5:00       44.93
AES12hour_100yr             5:15       12.74
AES12hour_100yr             5:30       12.74
AES12hour_100yr             5:45       12.74
AES12hour_100yr             6:00       12.74
AES12hour_100yr             6:15       6.82
AES12hour_100yr             6:30       6.82
AES12hour_100yr             6:45       6.82
AES12hour_100yr             7:00       6.82
AES12hour_100yr             7:15       3.91
AES12hour_100yr             7:30       3.91
AES12hour_100yr             7:45       3.91
AES12hour_100yr             8:00       3.91
AES12hour_100yr             8:15       1.90
AES12hour_100yr             8:30       1.90
AES12hour_100yr             8:45       1.90
AES12hour_100yr             9:00       1.90
AES12hour_100yr             9:15       1.01
AES12hour_100yr             9:30       1.01
AES12hour_100yr             9:45       1.01
AES12hour_100yr             10:00      1.01
AES12hour_100yr             10:15      1.01
AES12hour_100yr             10:30      1.01
AES12hour_100yr             10:45      1.01
AES12hour_100yr             11:00      1.01
AES12hour_100yr             11:15      1.01
AES12hour_100yr             11:30      1.01
AES12hour_100yr             11:45      1.01
AES12hour_100yr             12:00      1.01

;Guelph IDF Curve
AES6hour_100yr              0:15       1.865082087
AES6hour_100yr              0:30       1.865082087
AES6hour_100yr              0:45       1.865082087
AES6hour_100yr              1:00       1.865082087
AES6hour_100yr              1:15       11.19049252
AES6hour_100yr              1:30       11.19049252
AES6hour_100yr              1:45       31.70639362
AES6hour_100yr              2:00       31.70639362
AES6hour_100yr              2:15       85.79376981
```

```
AES6hour_100yr              2:30       85.79376981
AES6hour_100yr              2:45       24.24606527
AES6hour_100yr              3:00       24.24606527
AES6hour_100yr              3:15       13.05557399
AES6hour_100yr              3:30       13.05557399
AES6hour_100yr              3:45       7.460328346
AES6hour_100yr              4:00       7.460328346
AES6hour_100yr              4:15       3.730164173
AES6hour_100yr              4:30       3.730164173
AES6hour_100yr              4:45       1.865082087
AES6hour_100yr              5:00       1.865082087
AES6hour_100yr              5:15       1.865082087
AES6hour_100yr              5:30       1.865082087
AES6hour_100yr              5:45       1.865082087
AES6hour_100yr              6:00       1.865082087

;2100 IDF Curve Predicition
CC_AES12hour_100yr            0:15       1.78
CC_AES12hour_100yr            0:30       1.78
CC_AES12hour_100yr            0:45       1.78
CC_AES12hour_100yr            1:00       1.78
CC_AES12hour_100yr            1:15       1.78
CC_AES12hour_100yr            1:30       1.78
CC_AES12hour_100yr            1:45       1.78
CC_AES12hour_100yr            2:00       1.78
CC_AES12hour_100yr            2:15       10.26
CC_AES12hour_100yr            2:30       10.26
CC_AES12hour_100yr            2:45       10.26
CC_AES12hour_100yr            3:00       10.26
CC_AES12hour_100yr            3:15       29.40
CC_AES12hour_100yr            3:30       29.40
CC_AES12hour_100yr            3:45       29.40
CC_AES12hour_100yr            4:00       29.40
CC_AES12hour_100yr            4:15       79.33
CC_AES12hour_100yr            4:30       79.33
CC_AES12hour_100yr            4:45       79.33
CC_AES12hour_100yr            5:00       79.33
CC_AES12hour_100yr            5:15       22.50
CC_AES12hour_100yr            5:30       22.50
CC_AES12hour_100yr            5:45       22.50
CC_AES12hour_100yr            6:00       22.50
```

```
CC_AES12hour_100yr            6:15       12.04
CC_AES12hour_100yr            6:30       12.04
CC_AES12hour_100yr            6:45       12.04
CC_AES12hour_100yr            7:00       12.04
CC_AES12hour_100yr            7:15       6.91
CC_AES12hour_100yr            7:30       6.91
CC_AES12hour_100yr            7:45       6.91
CC_AES12hour_100yr            8:00       6.91
CC_AES12hour_100yr            8:15       3.35
CC_AES12hour_100yr            8:30       3.35
CC_AES12hour_100yr            8:45       3.35
CC_AES12hour_100yr            9:00       3.35
CC_AES12hour_100yr            9:15       1.78
CC_AES12hour_100yr            9:30       1.78
CC_AES12hour_100yr            9:45       1.78
CC_AES12hour_100yr            10:00      1.78
CC_AES12hour_100yr            10:15      1.78
CC_AES12hour_100yr            10:30      1.78
CC_AES12hour_100yr            10:45      1.78
CC_AES12hour_100yr            11:00      1.78
CC_AES12hour_100yr            11:15      1.78
CC_AES12hour_100yr            11:30      1.78
CC_AES12hour_100yr            11:45      1.78
CC_AES12hour_100yr            12:00      1.78

Guelph100Y       01/19/2010 0:00       0
Guelph100Y       01/19/2010 0:05       3.05
Guelph100Y       01/19/2010 0:10       3.33
Guelph100Y       01/19/2010 0:15       3.7
Guelph100Y       01/19/2010 0:20       4.14
Guelph100Y       01/19/2010 0:25       4.68
Guelph100Y       01/19/2010 0:30       5.34
Guelph100Y       01/19/2010 0:35       6.18
Guelph100Y       01/19/2010 0:40       7.26
Guelph100Y       01/19/2010 0:45       8.89
Guelph100Y       01/19/2010 0:50       10.63
Guelph100Y       01/19/2010 0:55       13.39
Guelph100Y       01/19/2010 1:00       17.51
Guelph100Y       01/19/2010 1:05       24.1
Guelph100Y       01/19/2010 1:10       35.69
Guelph100Y       01/19/2010 1:15       59.35
```

Guelph100Y	01/19/2010 1:20	121.59
Guelph100Y	01/19/2010 1:25	239.35
Guelph100Y	01/19/2010 1:30	137.52
Guelph100Y	01/19/2010 1:35	80.54
Guelph100Y	01/19/2010 1:40	53.35
Guelph100Y	01/19/2010 1:45	38.19
Guelph100Y	01/19/2010 1:50	28.84
Guelph100Y	01/19/2010 1:55	22.65
Guelph100Y	01/19/2010 2:00	18.33
Guelph100Y	01/19/2010 2:05	15.19
Guelph100Y	01/19/2010 2:10	12.83
Guelph100Y	01/19/2010 2:15	11
Guelph100Y	01/19/2010 2:20	9.56
Guelph100Y	01/19/2010 2:25	8.41
Guelph100Y	01/19/2010 2:30	7.46
Guelph100Y	01/19/2010 2:35	6.68
Guelph100Y	01/19/2010 2:40	6.02
Guelph100Y	01/19/2010 2:45	5.49
Guelph100Y	01/19/2010 2:50	4.99
Guelph100Y	01/19/2010 2:55	4.58
Guelph100Y	01/19/2010 3:00	4.22
Guelph100Y	01/19/2010 3:05	3.91
Guelph100Y	01/19/2010 3:10	3.63
Guelph100Y	01/19/2010 3:15	3.38
Guelph100Y	01/19/2010 3:20	3.17
Guelph100Y	01/19/2010 3:25	3.05
Guelph100Y	01/19/2010 3:30	0
Guelph5Y	01/19/2010 0:00	0
Guelph5Y	01/19/2010 0:05	3.06
Guelph5Y	01/19/2010 0:10	3.35
Guelph5Y	01/19/2010 0:15	3.7
Guelph5Y	01/19/2010 0:20	4.13
Guelph5Y	01/19/2010 0:25	4.68
Guelph5Y	01/19/2010 0:30	5.37
Guelph5Y	01/19/2010 0:35	6.3
Guelph5Y	01/19/2010 0:40	7.59
Guelph5Y	01/19/2010 0:45	9.48
Guelph5Y	01/19/2010 0:50	12.46
Guelph5Y	01/19/2010 0:55	17.72
Guelph5Y	01/19/2010 1:00	28.8

```
Guelph5Y         01/19/2010 1:05       61.69
Guelph5Y         01/19/2010 1:10       139.29
Guelph5Y         01/19/2010 1:15       70.6
Guelph5Y         01/19/2010 1:20       39.22
Guelph5Y         01/19/2010 1:25       25.91
Guelph5Y         01/19/2010 1:30       18.86
Guelph5Y         01/19/2010 1:35       14.61
Guelph5Y         01/19/2010 1:40       11.81
Guelph5Y         01/19/2010 1:45       9.86
Guelph5Y         01/19/2010 1:50       8.42
Guelph5Y         01/19/2010 1:55       7.33
Guelph5Y         01/19/2010 2:00       6.48
Guelph5Y         01/19/2010 2:05       5.8
Guelph5Y         01/19/2010 2:10       5.24
Guelph5Y         01/19/2010 2:15       4.78
Guelph5Y         01/19/2010 2:20       4.39
Guelph5Y         01/19/2010 2:25       4.05
Guelph5Y         01/19/2010 2:30       3.77
Guelph5Y         01/19/2010 2:35       3.52
Guelph5Y         01/19/2010 2:40       3.3
Guelph5Y         01/19/2010 2:45       3.1
Guelph5Y         01/19/2010 2:50       3.05
Guelph5Y         01/19/2010 2:55       0

;Rainfall (mm/hr)
Hurricane_Hazel_(0-25) 01/19/2010 00:00:00   6.33
Hurricane_Hazel_(0-25) 01/19/2010 01:00:00   4.22
Hurricane_Hazel_(0-25) 01/19/2010 02:00:00   6.33
Hurricane_Hazel_(0-25) 01/19/2010 03:00:00   12.66
Hurricane_Hazel_(0-25) 01/19/2010 04:00:00   16.88
Hurricane_Hazel_(0-25) 01/19/2010 05:00:00   12.66
Hurricane_Hazel_(0-25) 01/19/2010 06:00:00   23.21
Hurricane_Hazel_(0-25) 01/19/2010 07:00:00   12.66
Hurricane_Hazel_(0-25) 01/19/2010 08:00:00   12.66
Hurricane_Hazel_(0-25) 01/19/2010 09:00:00   52.75
Hurricane_Hazel_(0-25) 01/19/2010 10:00:00   37.98
Hurricane_Hazel_(0-25) 01/19/2010 11:00:00   12.66

[REPORT]
;;Reporting Options
INPUT      NO
```

```
CONTROLS   NO
SUBCATCHMENTS ALL
NODES ALL
LINKS ALL

[TAGS]
Subcatch   A1               WETLAND
Subcatch   A1.1             SUB
Subcatch   A1.1_FRST        FOREST
Subcatch   A2               WETLAND
Subcatch   A2.1             SUB
Subcatch   A2.1_FRST        FOREST
Subcatch   A2.2             SUB
Subcatch   A2.2_FRST        FOREST
Subcatch   A3               WETLAND
Subcatch   A3.1             SUB
Subcatch   A3.1_FRST        FOREST
Subcatch   A3.2             SUB
Subcatch   A3.2_FRST        FOREST
Subcatch   A3.3             SUB
Subcatch   A3.3_FRST        FOREST
Subcatch   A4               WETLAND
Subcatch   A4.1             SUB
Subcatch   A4.1_FRST        FOREST
Subcatch   A4.2             SUB
Subcatch   A4.2_FRST        FOREST
Subcatch   A4.3             SUB
Subcatch   A4.3_FRST        FOREST
Subcatch   A4.4_FRST        FOREST
Subcatch   A4.5             SUB
Subcatch   A4.5_FRST        FOREST
Subcatch   A4.6             SUB
Subcatch   A4.6_FRST        FOREST
Subcatch   B1               WETLAND
Subcatch   B1.1             SUB
Subcatch   B1.1_FRST        FOREST
Subcatch   B2               WETLAND
Subcatch   B2.1             SUB
Subcatch   B2.1_FRST        FOREST
Subcatch   C1               WETLAND
Subcatch   C1.1             SUB
```

```
Subcatch   C1.1_FRST        FOREST
Subcatch   D1               WETLAND
Subcatch   D1.1             SUB
Subcatch   D1.1_FRST        FOREST
Subcatch   D2               WETLAND
Subcatch   D2.1             SUB
Subcatch   D2.1_FRST        FOREST
Subcatch   D3               WETLAND
Subcatch   D3.1             SUB
Subcatch   D4               WETLAND
Subcatch   D4.1             SUB
Subcatch   D4.1_FRST        FOREST
Subcatch   E1               WETLAND
Subcatch   E1.1             SUB
Subcatch   E1.1_FRST        FOREST
Subcatch   E2               WETLAND
Subcatch   E2.1             SUB
Subcatch   E2.1_FRST        FOREST
Subcatch   E3               WETLAND
Subcatch   E3.1             SUB
Subcatch   E3.1_FRST        FOREST
Node       13               PEAKFLOW
Node       14               OVERFLOW
Node       18               PEAKFLOW
Node       20               OVERFLOW
Node       21               PEAKFLOW
Node       22               PEAKFLOW
Node       28               OVERFLOW
Node       31               PEAKFLOW
Node       37               OVERFLOW
Node       40               OVERFLOW
Node       42               OVERFLOW
Node       48               OVERFLOW
Node       49               OVERFLOW
Node       5                PEAKFLOW
Node       50               OVERFLOW
Node       54               OVERFLOW
Node       56               PEAKFLOW
Node       7                OVERFLOW
Node       9                PEAKFLOW
Link       13               WETLAND
```

```
Link       2                WETLAND
Link       22               WETLAND
Link       24               WETLAND
Link       28               WETLAND
Link       32               WETLAND
Link       37               WETLAND
Link       4                WETLAND
Link       40               WETLAND
Link       42               WETLAND
Link       47               WETLAND
Link       7                WETLAND
Link       9                WETLAND

[MAP]
DIMENSIONS       560038.67765     4813980.0537     566748.46535     4819891.9223
UNITS            Meters

[COORDINATES]
;;Node           X-Coord          Y-Coord
;;-------------- ---------------- ----------------
1                563505.595       4818857.531
11               562264.051       4817092.616
12               562093.693       4816996.517
13               561923.335       4816939.73
14               563765.659       4818608.344
15               561698.149       4817099.989
17               561555.781       4817211.295
18               562426.62        4818157.29
19               562538.173       4818252.284
2                563971.394       4816882.676
20               564178.863       4818321.328
21               562545.175       4815756.588
22               562792.469       4817889.143
24               562914.204       4817643.271
25               562839.502       4817808.814
26               563392.315       4814809.546
27               563008.362       4815059.447
28               564101.861       4817495.179
29               562658.413       4815370.702
3                563813.34        4818552.225
30               562518.57        4815887.312
```

31	562509.891	4815976.414
32	562389.177	4816125.495
34	562132.804	4816343.723
35	562141.559	4816415.771
36	562019.922	4816837.051
37	562691.445	4818224.496
39	562260.757	4815366.47
4	562898.769	4818142.309
40	562735.784	4816716.891
42	562653.629	4817959.571
48	562791.226	4815250.407
49	562119.461	4815316.718
5	564285.83	4818262.163
50	562180.148	4816210.903
53	561776.788	4817092.883
54	561654.389	4817151.371
56	560575.172	4817438.611
6	564448.132	4818114.766
7	562660.913	4817047.623
8	563452.191	4817241.134
9	563050.32	4817206.188
MHEasement1	561877.237	4816229.292
MHEasement2	561949.252	4816236.207
MHSchool	562556.23	4818733.76
MHSWM4	561796.452	4817542.016
PWOPRMHS0001369	561884.193	4816425.78
PWOPRMHS0001370	561860.035	4816232.92
PWOPRMHS0001371	561855.459	4816222.492
PWOPRMHS0001372	561846.661	4816215.753
PWOPRMHS0001373	561812.341	4816475.01
PWOPRMHS0001374	561843.527	4816298.466
PWOPRMHS0001375	561847.848	4816285.339
PWOPRMHS0001386	561972.542	4816243.198
PWOPRMHS0001387	561961.55	4816273.581
PWOPRMHS0001388	561945.075	4816327.358
PWOPRMHS0001389	561922.976	4816376.79
PWOPRMHS0001390	561862.605	4816605.17
PWOPRMHS0001391	561851.715	4816638.463
PWOPRMHS0001392	561799.907	4816625.51
PWOPRMHS0001393	561718.958	4816564.397
PWOPRMHS0001394	561827.11	4816719.731

PWOPRMHS0001395	561761.638	4816780.338
PWOPRMHS0001398	561742.623	4816939.696
PWOPRMHS0001399	561765.69	4816913.305
PWOPRMHS0001400	561778.566	4816886.367
PWOPRMHS0001401	561793.986	4816829.638
PWOPRMHS0001402	561805.703	4816791.896
PWOPRMHS0001403	561746.177	4817608.49
PWOPRMHS0001404	561635.613	4816631.971
PWOPRMHS0001408	561601.462	4816667.671
PWOPRMHS0001409	561825.428	4817917.837
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[POLYGONS]
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A3              564762.726       4817249.868
A3              564761.896       4817247.65
A3              564760.513       4817245.16
A3              564759.125       4817243.498
A3              564756.912       4817242.111
A3              564755.804       4817240.177
A3              564755.693       4817239.625
```

A3	564755.244	4817237.41
A3	564754.143	4817234.638
A3	564753.575	4817233.162
A3	564752.755	4817231.037
A3	564753.864	4817229.098
A3	564756.355	4817226.88
A3	564758.294	4817224.666
A3	564759.684	4817220.239
A3	564759.955	4817216.357
A3	564760.234	4817211.097
A3	564761.617	4817206.667
A3	564763.003	4817203.619
A3	564765.495	4817202.511
A3	564770.482	4817201.128
A3	564773.804	4817203.341
A3	564778.234	4817205.28
A3	564781.282	4817208.049
A3	564781.834	4817212.201
A3	564781.834	4817216.632
A3	564781.004	4817221.067
A3	564781.003	4817224.941
A3	564780.174	4817229.098
A3	564780.174	4817232.971
A3	564781.247	4817235.122
A3	564781.555	4817235.741
A3	564781.556	4817239.341
A3	564781.432	4817240.089
A3	564781.282	4817241.008
A3	564781.428	4817242.335
A3	564781.556	4817243.498
A3	564783.773	4817245.437
A3	564785.433	4817246.268
A3.1	563865.573	4817838.43
A3.1	563867.305	4817845.87
A3.1	563877.062	4817855.151
A3.1	563858.384	4817878.243
A3.1	563874.345	4817911.524
A3.1	563935.019	4817975.878
A3.1	564126.048	4818121.548
A3.1	564131.385	4818116.469
A3.1	564138.243	4818109.94

A3.1	564138.581	4818109.618
A3.1	564145.101	4818103.411
A3.1	564151.961	4818096.882
A3.1	564159.324	4818089.872
A3.1	564168.493	4818081.145
A3.1	564172.75	4818077.092
A3.1	564180.766	4818069.461
A3.1	564187.506	4818063.045
A3.1	564191.701	4818053.329
A3.1	564200.387	4818033.205
A3.1	564204.532	4818023.603
A3.1	564199.986	4818006.941
A3.1	564198.012	4817999.707
A3.1	564189.429	4817990.761
A3.1	564177.556	4817978.386
A3.1	564170.265	4817970.788
A3.1	564162.975	4817963.189
A3.1	564155.684	4817955.59
A3.1	564148.394	4817947.992
A3.1	564141.103	4817940.393
A3.1	564133.812	4817932.794
A3.1	564126.522	4817925.196
A3.1	564119.231	4817917.597
A3.1	564111.941	4817909.999
A3.1	564105.345	4817903.124
A3.1	564098.748	4817896.249
A3.1	564092.152	4817889.374
A3.1	564085.556	4817882.499
A3.1	564078.96	4817875.624
A3.1	564072.364	4817868.749
A3.1	564065.767	4817861.874
A3.1	564059.171	4817854.999
A3.1	564052.575	4817848.124
A3.1	564045.978	4817841.25
A3.1	564039.73	4817834.737
A3.1	564033.481	4817828.224
A3.1	564027.232	4817821.711
A3.1	564020.982	4817815.198
A3.1	564014.734	4817808.684
A3.1	564008.485	4817802.171
A3.1	564002.236	4817795.658

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A3.1             563993.209       4817786.251
A3.1             563980.6         4817773.109
A3.1             563965.391       4817757.257
A3.1             563959.735       4817759.832
A3.1             563937.518       4817769.943
A3.1             563921.732       4817784.971
A3.1             563906.67        4817799.309
A3.1             563887.369       4817817.682
A3.1             563879.25        4817825.41
A3.1             563865.573       4817838.43
;Part2: A3.1
A3.1             563808.608       4817593.851
A3.1             563836.711       4817714.511
A3.1             563900.795       4817689.932
A3.1             563833.082       4817619.358
A3.1             563808.608       4817593.851
......
Too many subcatchment entities (247 in total).

[SYMBOLS]
;;Gage           X-Coord          Y-Coord
;;-------------- ---------------- ----------------
```

H.09 Input for PCSWMM for Scenario 9

```
[TITLE]
Climate Change Model of Scenario 4

[OPTIONS]
;;Options            Value
;;------------------ ------------
FLOW_UNITS           CMS
INFILTRATION         GREEN_AMPT
FLOW_ROUTING         DYNWAVE
LINK_OFFSETS         ELEVATION
MIN_SLOPE            0
ALLOW_PONDING        NO
SKIP_STEADY_STATE    NO

START_DATE           09/01/2021
START_TIME           00:00:00
REPORT_START_DATE    09/01/2021
REPORT_START_TIME    00:00:00
END_DATE             09/04/2021
END_TIME             00:00:00
SWEEP_START          01/01
SWEEP_END            12/31
DRY_DAYS             0
REPORT_STEP          00:15:00
WET_STEP             00:15:00
DRY_STEP             00:15:00
ROUTING_STEP         5
RULE_STEP            00:00:00

INERTIAL_DAMPING     PARTIAL
NORMAL_FLOW_LIMITED  BOTH
FORCE_MAIN_EQUATION  H-W
VARIABLE_STEP        0.75
LENGTHENING_STEP     1
MIN_SURFAREA         0
MAX_TRIALS           8
HEAD_TOLERANCE       0.0015
SYS_FLOW_TOL         5
LAT_FLOW_TOL         5
MINIMUM_STEP         0.5
THREADS              4
```

```
[EVAPORATION]
;;Type          Parameters
;;------------- ----------
MONTHLY          0.0    0.0    0.0    1.06   2.48   3.6    4.13   3.61   2.43   1.19   0.3    0.0
DRY_ONLY         NO

[RAINGAGES]
;;                     Rain      Time     Snow     Data
;;Name                 Type      Intrvl   Catch    Source
;;-------------------- --------- -------- -------- ----------
AES12hour_100year      INTENSITY 0:15     1.0      TIMESERIES AES12hour_100yr
AES6hour_100year       INTENSITY 0:15     1.0      TIMESERIES AES6hour_100yr
CC_AES12hour_100year   INTENSITY 0:15     1.0      TIMESERIES CC_AES12hour_100yr
DSGauge                INTENSITY 0:05     1.0      TIMESERIES Guelph100Y
Hurricane_Hazel_(0-25) INTENSITY 01:00    1.0      TIMESERIES Hurricane_Hazel_(0-25)

[SUBCATCHMENTS]
;;                                                 Total    Pcnt.             Pcnt.    Curb     Snow
;;Name           Raingage         Outlet           Area     Imperv   Width    Slope    Length   Pack
;;-------------- ---------------- ---------------- -------- -------- -------- -------- -------- --------
A1               CC_AES12hour_100year 14           8.37858  5        577.833  1.159    0
A1.1             CC_AES12hour_100year 1            42.8127  31       4281.27  2.55     0
A1.1_FRST        CC_AES12hour_100year S_A1.1FRST   3.63836  31       382.985  2.55     0
A2               CC_AES12hour_100year 20           11.49151 5        675.971  0.876    0
A2.1             CC_AES12hour_100year 3            12.9012  20       1290.12  4.465    0
;05
A2.1_FRST        CC_AES12hour_100year S_A2.1FRST   3.27903  20       364.337  4.465    0
A2.2             CC_AES12hour_100year 3            8.44264  34       844.264  5.546    0
A2.2_FRST        CC_AES12hour_100year S_A2.2FRST   2.22057  34       296.076  5.546    0
;01
A3               CC_AES12hour_100year 28           56.7748  5        1494.074 0.876    0
A3.1             CC_AES12hour_100year 6            6.44601  22       644.601  4.32     0
A3.1_FRST        CC_AES12hour_100year S_A3.1FRST   13.18801 22       1318.801 4.32     0
A3.2             CC_AES12hour_100year 6            32.32076 36       3232.076 3.055    0
A3.2_FRST        CC_AES12hour_100year S_A3.2FRST   7.39984  36       739.984  3.055    0
A3.3             CC_AES12hour_100year 28           70.21898 23       7021.898 1.831    0
A3.3_FRST        CC_AES12hour_100year S_A3.3FRST   17.13255 23       1713.255 1.831    0
;02
A4               CC_AES12hour_100year 7            100.51695 5       2010.339 1.409    0
A4.1             CC_AES12hour_100year 9            1.02924  20       205.848  12.11    0
```

```
A4.1_FRST        CC_AES12hour_100year S_A4.1FRST   5.52575  20       1105.15  12.11    0
A4.2             CC_AES12hour_100year 8            9.80983  29       980.983  3.264    0
A4.2_FRST        CC_AES12hour_100year S_A4.2FRST   16.15059 29       1615.059 3.264    0
A4.3             CC_AES12hour_100year 8            46.96537 61       4696.537 6.754    0
A4.3_FRST        CC_AES12hour_100year S_A4.3FRST   8.10956  61       810.956  6.754    0
A4.4_FRST        CC_AES12hour_100year S_A4.4FRST   18.6402  27       1864.02  2.341    0
A4.5             CC_AES12hour_100year 2            108.8003 29       10880.03 2.616    0
A4.5_FRST        CC_AES12hour_100year S_A4.5FRST   15.02335 29       1502.335 2.616    0
A4.6             CC_AES12hour_100year 2            148.9709 52       14897.09 3.51     0
A4.6_FRST        CC_AES12hour_100year S_A4.6FRST   60.75746 52       6075.746 3.51     0
B1               CC_AES12hour_100year 37           3.0847   5        342.744  1.624    0
B1.1             CC_AES12hour_100year 4            0.99721  20       199.442  3.723    0
;06
B1.1_FRST        CC_AES12hour_100year S_B1.1FRST   3.70213  20       740.426  3.723    0
;03
B2               CC_AES12hour_100year 42           2.9118   5        342.565  0.832    0
B2.1             CC_AES12hour_100year 18           6.4804   11       648.04   8.395    0
B2.1_FRST        CC_AES12hour_100year S_B2.1FRST   8.06289  11       806.289  8.395    0
C1               CC_AES12hour_100year 40           3.1551   5        350.567  1.284    0
C1.1             CC_AES12hour_100year 40           123.3055 61       12330.55 2.612    0
C1.1_FRST        CC_AES12hour_100year S_C1.1FRST   2.78849  61       328.058  2.612    0
D1               CC_AES12hour_100year 48           13.15501 5        711.082  0.84     0
D1.1             CC_AES12hour_100year 27           119.81733 61      11981.733 2.621   0
;07
D1.1_FRST        CC_AES12hour_100year S_D1.1FRST   30.3332  61       3033.32  2.621    0
D2               CC_AES12hour_100year 21           17.56726 5        836.536  0.804    0
D2.1             CC_AES12hour_100year 21           52.2425  54       5224.25  1.309    0
D2.1_FRST        CC_AES12hour_100year S_D2.1FRST   19.03354 54       1903.354 1.309    0
D3               CC_AES12hour_100year 49           5.6119   5        467.658  0.585    0
D3.1             CC_AES12hour_100year 49           36.10892 60       3610.892 4.474    0
;04
D4               CC_AES12hour_100year 50           3.51993  5        370.519  1.366    0
D4.1             CC_AES12hour_100year 50           23.40875 53       2340.875 1.568    0
D4.1_FRST        CC_AES12hour_100year S_D4.1FRST   13.64864 53       1364.864 1.568    0
E1               CC_AES12hour_100year 53           2.92807  5        344.479  1.111    0
E1.1             CC_AES12hour_100year 53           18.00759 23       1800.759 3.079    0
;08
E1.1_FRST        CC_AES12hour_100year S_E1.1FRST   32.85577 23       3285.577 3.079    0
E2               CC_AES12hour_100year 54           0.78579  5        174.62   2.898    0
E2.1             CC_AES12hour_100year 54           9.27285  19       927.285  4.9      0
E2.1_FRST        CC_AES12hour_100year S_E2.1FRST   0.87158  19       174.316  4.9      0
```

E3	CC_AES12hour_100year	56	14.02097	5	737.946	2.707	0
E3.1	CC_AES12hour_100year	56	22.8162	22	2281.62	12.425	0
E3.1_FRST	CC_AES12hour_100year	56	13.0633	22	1306.33	12.425	0
HC01-01	CC_AES12hour_100year	PWOPRMHS0001937	6.22	28.7	1269.388	3.5	0
HC01-02	CC_AES12hour_100year	PWOPRMHS0001695	2.27	24.8	504.444	4.2	0
HC01-03	CC_AES12hour_100year	PWOPRMHS0001925	1.2	24.8	173.913	7.1	0
HC01-04	CC_AES12hour_100year	SWMPOND	2.49	19.4	415	4.2	0
HC01-05	CC_AES12hour_100year	PWOPRMHS0001939	2.5	24.8	500	6.3	0
HC01-06	CC_AES12hour_100year	PWOPRMHS0001928	1.32	24.8	197.015	6.7	0
HC01-07	CC_AES12hour_100year	PWOPRMHS0001944	0.7	24.8	159.091	0.8	0
HC01-08	CC_AES12hour_100year	PWOPRMHS0001930	0.52	24.8	70.27	10	0
HC01-09	CC_AES12hour_100year	PWOPRMHS0001947	0.66	24.8	160.976	1.3	0
HC01-10	CC_AES12hour_100year	PWOPRMHS0001929	1.14	24.8	156.164	7.8	0
HC01-11	CC_AES12hour_100year	PWOPRMHS0001933	1.39	24.8	217.187	3.3	0
HC01-12	CC_AES12hour_100year	PWOPRMHS0001943	3.1	24.8	720.93	3.9	0
HC02-01	CC_AES12hour_100year	PWOPRMHS0001622	0.37	37.3	115.625	0.9	0
HC02-02	CC_AES12hour_100year	PWOPRMHS0001413	2.17	50.4	678.125	0.4	0
HC02-03	CC_AES12hour_100year	PWOPRMHS0001412	0.19	43.2	59.375	0.8	0
HC02-04	CC_AES12hour_100year	PWOPRMHS0001411	0.41	29.2	128.125	5	0
HC02-05	CC_AES12hour_100year	PWOPRMHS0001764	2.96	14.8	925	2.6	0
HC02-06	CC_AES12hour_100year	PWOPRMHS0001768	1.79	15.2	577.419	1.4	0
HC02-07	CC_AES12hour_100year	PWOPRMHS0001767	0.78	12.8	243.75	0.6	0
HC02-08	CC_AES12hour_100year	PWOPRMHS0001409	1.26	11.6	393.75	1.4	0
HC02-09	CC_AES12hour_100year	PWOPRMHS0001410	0.87	13.6	263.636	0.5	0
HC02-10	CC_AES12hour_100year	PWOPRMHS0001634	0.94	12.4	293.75	0.8	0
HC02-11	CC_AES12hour_100year	PWOPRMHS0001791	1.49	13.6	465.625	1	0
HC02-12	CC_AES12hour_100year	PWOPRMHS0001797	2.15	12.4	651.515	0.3	0
HC02-13	CC_AES12hour_100year	PWOPRMHS0001792	0.84	11.6	262.5	0.6	0
HC02-14	CC_AES12hour_100year	PWOPRMHS0001836	0.92	12	270.588	1.1	0
HC02-15	CC_AES12hour_100year	PWOPRMHS0001788	1.6	13.2	470.588	2.5	0
HC02-16	CC_AES12hour_100year	PWOPRMHS0001403	0.51	14	150	2.5	0
HC02-17	CC_AES12hour_100year	PWOPRMHS0001403	2.36	13.2	715.152	1.1	0
HC02-18	CC_AES12hour_100year	PWOPRMHS0001433	3.83	14	1160.606	3.3	0
HC02-19	CC_AES12hour_100year	PWOPRMHS0001418	1.52	14.4	460.606	0.1	0
HC02-20	CC_AES12hour_100year	PWOPRMHS0001804	0.44	35.2	275	1.3	0
HC02-21	CC_AES12hour_100year	PWOPRMHS0001903	3.51	14.4	1002.857	0.9	0
HC02-22	CC_AES12hour_100year	PWOPRMHS0001914	2.97	14.4	900	0.8	0
HC02-23	CC_AES12hour_100year	PWOPRMHS0001858	0.4	42.8	160	1.1	0
HC02-24	CC_AES12hour_100year	PWOPRMHS0001915	0.07	58.4	58.333	1.8	0
HC02-25	CC_AES12hour_100year	PWOPRMHS0001916	1.13	45.9	513.636	2.9	0
HC02-26	CC_AES12hour_100year	PWOPRMHS0001855	0.34	54.8	170	4.8	0

HC02-27	CC_AES12hour_100year	PWOPRMHS0001857	0.75	18	227.273	5.1	0
HC02-28	CC_AES12hour_100year	PWOPRMHS0001436	0.57	18	172.727	2.8	0
HC02-29	CC_AES12hour_100year	PWOPRMHS0001435	0.53	40	160.606	0.9	0
HC02-30	CC_AES12hour_100year	PWOPRMHS0001918	1.48	1.2	462.5	0.3	0
HC02-31	CC_AES12hour_100year	PWOPRMHS0001908	2.42	15.2	711.765	1.8	0
HC02-32	CC_AES12hour_100year	PWOPRMHS0001917	2.15	14.4	632.353	3.2	0
HC02-33	CC_AES12hour_100year	PWOPRMHS0001917	0.83	15.2	244.118	0.5	0
HC02-34	CC_AES12hour_100year	PWOPRMHS0001906	0.3	26	88.235	4.5	0
HC02-35	CC_AES12hour_100year	PWOPRMHS0001912	1	1.6	333.333	0.8	0
HC02-36	CC_AES12hour_100year	MHSWM4	0.44	5.6	440	2.1	0
HC02-37	CC_AES12hour_100year	PWOPRMHS0001912	1.01	5.2	480.952	2.2	0
HC02-38	CC_AES12hour_100year	PWOPRMHS0001765	3.11	13.6	914.706	0.5	0
HC02-39	CC_AES12hour_100year	PWOPRMHS0001867	0.88	11.6	266.667	0.1	0
HC03-01	CC_AES12hour_100year	PWOPRMHS0001626	2.24	32	1066.667	0.4	0
HC03-02	CC_AES12hour_100year	PWOPRMHS0001625	0.8	15.2	258.065	3.1	0
HC03-03	CC_AES12hour_100year	PWOPRMHS0001651	0.13	18.8	76.471	5.3	0
HC03-04	CC_AES12hour_100year	PWOPRMHS0001655	1.03	18.8	343.333	2	0
HC03-05	CC_AES12hour_100year	PWOPRMHS0001649	0.33	36.8	173.684	2.3	0
HC03-06	CC_AES12hour_100year	PWOPRMHS0001659	5.16	13.8	1563.636	3.3	0
HC03-07	CC_AES12hour_100year	PWOPRMHS0001658	1.81	15.2	583.871	1.5	0
HC03-08	CC_AES12hour_100year	PWOPRMHS0002082	4.36	15.5	1321.212	3.5	0
HC03-09	CC_AES12hour_100year	PWOPRMHS0002085	1.94	23.3	485	1.3	0
HC03-10	CC_AES12hour_100year	PWOPRMHS0002084	1.69	12	512.121	1.9	0
HC03-11	CC_AES12hour_100year	PWOPRMHS0002080	2.51	16.5	627.5	2.8	0
HC03-12	CC_AES12hour_100year	PWOPRMHS0001891	1.18	14	357.576	0.3	0
HC03-13	CC_AES12hour_100year	PWOPRMHS0001889	0.38	18.8	180.952	0.8	0
HC03-14	CC_AES12hour_100year	PWOPRMHS0001890	0.13	58.4	56.522	0.7	0
HC03-15	CC_AES12hour_100year	PWOPRMHS0001894	0.62	13.6	187.879	1.6	0
HC03-16	CC_AES12hour_100year	PWOPRMHS0001660	0.31	21.2	100	1.1	0
HC03-17	CC_AES12hour_100year	PWOPRMHS0001657	0.12	36.8	75	2.2	0
HC03-18	CC_AES12hour_100year	PWOPRMHS0001663	0.1	64	100	0.4	0
HC03-19	CC_AES12hour_100year	PWOPRMHS0001661B	7.88	8.4	3940	3.5	0
HC03-20	CC_AES12hour_100year	PWOPRMHS0001662	1.5	2.4	500	0.6	0
HC04-01	CC_AES12hour_100year	PWOPRMHS0002042	3.59	18	897.5	0.6	0
HC04-02	CC_AES12hour_100year	PWOPRMHS0001874	0.66	13.9	200	1.5	0
HC04-03	CC_AES12hour_100year	PWOPRMHS0001739	1.2	14.9	363.636	1	0
HC04-04	CC_AES12hour_100year	PWOPRMHS0002041	5.28	18	812.308	1.1	0
HC04-05	CC_AES12hour_100year	PWOPRMHS0001741	0.62	17.6	182.353	2.6	0
HC04-06	CC_AES12hour_100year	PWOPRMHS0002051	1.07	17.6	324.242	0.6	0
HC04-07	CC_AES12hour_100year	PWOPRMHS0001745	0.09	38.4	81.818	0.1	0
HC04-08	CC_AES12hour_100year	PWOPRMHS0001746	0.34	15.5	79.07	1.5	0

HC04-09	CC_AES12hour_100year	PWOPRMHS0001692	0.53	17.6	147.222	1	0
HC04-10	CC_AES12hour_100year	PWOPRMHS0001743	0.62	17.6	177.143	0.6	0
HC04-11	CC_AES12hour_100year	PWOPRMHS0001691	0.91	16.7	325	1.6	0
HC04-12	CC_AES12hour_100year	PWOPRMHS0001919	2.2	13.2	687.5	0.7	0
HC04-13	CC_AES12hour_100year	PWOPRMHS0001690	0.3	15.2	115.385	0.6	0
HC04-14	CC_AES12hour_100year	PWOPRMHS0002095	2.79	14	734.211	0.3	0
HC04-15	CC_AES12hour_100year	PWOPRMHS0003153	3.91	14	1221.875	0.8	0
HC04-16	CC_AES12hour_100year	PWOPRMHS0001680	0.46	15.2	153.333	1	0
HC04-17	CC_AES12hour_100year	PWOPRMHS0003160	2.26	17.6	904	0.9	0
HC04-18	CC_AES12hour_100year	PWOPRMHS0003146	0.26	21.1	173.333	0.1	0
HC04-19	CC_AES12hour_100year	PWOPRMHS0003149	1.3	12	361.111	1.5	0
HC04-20	CC_AES12hour_100year	PWOPRMHS0003137	0.56	12	169.697	2.4	0
HC04-21	CC_AES12hour_100year	PWOPRMHS0003136	0.15	17.2	75	1.2	0
HC04-22	CC_AES12hour_100year	PWOPRMHS0001686	0.23	19.2	104.545	0.8	0
HC04-23	CC_AES12hour_100year	PWOPRMHS0002046	0.56	17.6	329.412	2.4	0
HC04-24	CC_AES12hour_100year	PWOPRMHS0001686	0.13	14.4	40.625	5	0
HC04-25	CC_AES12hour_100year	PWOPRMHS0001682	0.78	13.6	236.364	1.5	0
HC04-26	CC_AES12hour_100year	PWOPRMHS0001689	0.74	12.8	194.737	0.1	0
HC04-27	CC_AES12hour_100year	PWOPRMHS0001705	0.36	10.8	109.091	1.4	0
HC04-28	CC_AES12hour_100year	PWOPRMHS0001705	0.73	15.2	192.105	1.4	0
HC04-29	CC_AES12hour_100year	PWOPRMHS0001706	3.62	13.6	1096.97	1.1	0
HC04-30	CC_AES12hour_100year	PWOPRMHS0001678	1.94	14	554.286	1.5	0
HC04-31	CC_AES12hour_100year	PWOPRMHS0001677	0.48	28	200	0.6	0
HC04-32	CC_AES12hour_100year	PWOPRMHS0001676	0.34	15.2	97.143	0.8	0
HC04-33	CC_AES12hour_100year	PWOPRMHS0001713	1.13	13.6	452	0.7	0
HC04-34	CC_AES12hour_100year	37	1.55	5.6	620	0.6	0
HC04-35	CC_AES12hour_100year	PWOPRMHS0001688	0.49	13.6	122.5	1.2	0
HC04-36	CC_AES12hour_100year	PWOPRMHS0002050	2.93	32.5	1085.185	2.4	0
HC05-01	CC_AES12hour_100year	PWOPRMHS0005188	5.99	12	1711.429	3.8	0
HC05-02	CC_AES12hour_100year	PWOPRMHS0005196	3.23	12.4	769.048	3.2	0
HC05-03	CC_AES12hour_100year	PWOPRMHS0005183	0.11	76	110	2.7	0
HC05-04	CC_AES12hour_100year	PWOPRMHS0005181	0.49	11.2	175	1.1	0
HC05-05	CC_AES12hour_100year	PWOPRMHS0005179	0.92	15	224.39	0.5	0
HC05-06	CC_AES12hour_100year	PWOPRMHS0005223	0.42	16.8	140	1.6	0
HC05-07	CC_AES12hour_100year	PWOPRMHS0005226	0.73	13.2	208.571	1.4	0
HC05-08	CC_AES12hour_100year	PWOPRMHS0005231	2.2	13.6	628.571	0.9	0
HC05-09	CC_AES12hour_100year	PWOPRMHS0005229	0.27	13.2	108	0.1	0
HC05-10	CC_AES12hour_100year	PWOPRMHS0005230	0.35	17.6	250	1.4	0
HC05-11	CC_AES12hour_100year	24	3.17	5.2	1509.524	1.5	0
HC06-01	CC_AES12hour_100year	PWOPRMHS0005009	0.32	15.2	160	0.5	0
HC06-02	CC_AES12hour_100year	PWOPRMHS0005008	0.65	14.8	216.667	0.3	0

HC06-03	CC_AES12hour_100year	PWOPRMHS0005012	1.49	0	175.294	0.6	0
HC06-04	CC_AES12hour_100year	PWOPRMHS0005011	1.11	0.4	584.211	0.1	0
HC06-05	CC_AES12hour_100year	PWOPRMHS0004137	0.35	10.8	109.375	1.1	0
HC06-06	CC_AES12hour_100year	PWOPRMHS0004135	1.57	12.8	402.564	2.7	0
HC06-07	CC_AES12hour_100year	PWOPRMHS0004133	0.4	11.2	117.647	5.9	0
HC06-08	CC_AES12hour_100year	PWOPRMHS0004201	4.15	14.4	1383.333	2.9	0
HC06-09	CC_AES12hour_100year	PWOPRMHS0004159	2.61	13	1044	3.2	0
HC06-10	CC_AES12hour_100year	PWOPRMHS0004129	2.4	12.8	705.882	2.9	0
HC06-11	CC_AES12hour_100year	PWOPRMHS0004130	0.22	17.6	157.143	0.6	0
HC06-12	CC_AES12hour_100year	PWOPRMHS0004131	0.2	24.8	133.333	0.7	0
HC06-13	CC_AES12hour_100year	PWOPRMHS0004132	0.28	51.2	93.333	3.7	0
HC06-14	CC_AES12hour_100year	PWOPRMHS0004143	1.81	23	786.957	0.4	0
HC06-15	CC_AES12hour_100year	PWOPRMHS0005178	0.12	80	120	0.3	0
HC06-16	CC_AES12hour_100year	PWOPRMHS0004142	0.28	67	121.739	1.1	0
HC06-17	CC_AES12hour_100year	PWOPRMHS0004142	1.54	22	550	0.4	0
HC06-18	CC_AES12hour_100year	PWOPRMHS0005001	2.66	55.4	1209.091	0.4	0
HC06-19	CC_AES12hour_100year	PWOPRMHS0004999	0.03	80	30	2.5	0
HC06-20	CC_AES12hour_100year	PWOPRMHS0005000	0.21	80	210	0.4	0
HC06-21	CC_AES12hour_100year	PWOPRMHS0001598	1.27	67	317.5	0.1	0
HC06-22	CC_AES12hour_100year	PWOPRMHS0004998	0.06	80	60	1.6	0
HC06-23	CC_AES12hour_100year	PWOPRMHS0001601	1.5	70	357.143	0.4	0
HC06-24	CC_AES12hour_100year	PWOPRMHS0001602	0.12	80	120	0.9	0
HC06-25	CC_AES12hour_100year	PWOPRMHS0001600	3.35	17.6	1046.875	3.8	0
HC06-26	CC_AES12hour_100year	PWOPRMHS0001605	2.64	25.6	880	0.5	0
HC06-27	CC_AES12hour_100year	PWOPRMHS0001603	0.16	76	160	0.6	0
HC06-28	CC_AES12hour_100year	PWOPRMHS0001604	0.2	80	50	0.5	0
HC06-29	CC_AES12hour_100year	PWOPRMHS0001606	1.24	8	364.706	0.6	0
HC06-30	CC_AES12hour_100year	PWOPRMHS0001670	0.33	48	100	1.5	0
HC06-31	CC_AES12hour_100year	42	1.81	1.6	754.167	1.8	0
HC06-32	CC_AES12hour_100year	PWOPRMHS0005003	1.35	5.2	421.875	0.4	0
HC07-01	CC_AES12hour_100year	PWOPRMHS0001697	3.02	17.2	915.152	0.2	0
HC07-02	CC_AES12hour_100year	PWOPRMHS0001733	1.15	18.8	396.552	0.5	0
HC07-03	CC_AES12hour_100year	PWOPRMHS0001736	0.37	15.2	246.667	0.6	0
HC07-04	CC_AES12hour_100year	PWOPRMHS0001878	0.34	11.6	100	0.8	0
HC07-05	CC_AES12hour_100year	PWOPRMHS0001614	0.29	15.2	85.294	0.1	0
HC07-06	CC_AES12hour_100year	PWOPRMHS0001881	2.06	14	515	0.3	0
HC07-07	CC_AES12hour_100year	PWOPRMHS0001643	0.38	14	95	1	0
HC07-08	CC_AES12hour_100year	PWOPRMHS0001642	0.19	57.6	47.5	0.1	0
HC07-09	CC_AES12hour_100year	PWOPRMHS0001611	0.25	17.6	92.593	3.3	0
HC08-01	CC_AES12hour_100year	PWOPRMHS0005908	0.69	17.2	222.581	0.7	0
HC08-02	CC_AES12hour_100year	PWOPRMHS0005909	2.32	18.8	644.444	0.5	0

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HC08-03          CC_AES12hour_100year PWOPRMHS0005924 2     15.2     588.235  0.4      0
HC08-04          CC_AES12hour_100year PWOPRMHS0005926 0.69  11.6     143.75   0.6      0
HC08-05          CC_AES12hour_100year PWOPRMHS0005927 0.65  15.2     191.176  1.1      0
HC08-06          CC_AES12hour_100year PWOPRMHS0005932 1.18  14       310.526  1        0
HC08-07          CC_AES12hour_100year PWOPRMHS0005944 0.55  14       134.146  1.4      0
HC08-08          CC_AES12hour_100year PWOPRMHS0005931 0.41  57.6     215.789  0.4      0
HC08-09          CC_AES12hour_100year PWOPRMHS0005946 1.78  17.6     508.571  0.5      0
HC08-10          CC_AES12hour_100year PWOPRMHS0005930 1.32  1.6      660      1.4      0
HC09-01          CC_AES12hour_100year PWOPRMHS0001390 0.95  20       237.5    0.3      0
HC09-02          CC_AES12hour_100year PWOPRMHS0001392 1.03  14       302.941  1        0
HC09-03          CC_AES12hour_100year PWOPRMHS0001402 0.97  15.2     269.444  0.6      0
HC09-04          CC_AES12hour_100year PWOPRMHS0001395 2.54  11.2     819.355  0.9      0
HC09-05          CC_AES12hour_100year PWOPRMHS0001398 2.6   12.4     702.703  1.3      0
HC09-06          CC_AES12hour_100year PWOPRMHS0001401 1.23  12       476.744  0.7      0
HC09-07          CC_AES12hour_100year 36           0.48     8        266.667  0.3      0
HC10-01          CC_AES12hour_100year PWOPRMHS0001408 4.47  12.3     1064.286 1.7      0
HC10-02          CC_AES12hour_100year PWOPRMHS0001467 2.53  28.3     527.083  1.3      0
HC10-03          CC_AES12hour_100year PWOPRMHS0001393 1.86  26.9     422.727  0.4      0
HC10-04          CC_AES12hour_100year PWOPRMHS0001424 1.84  15.5     418.182  2.8      0
HC10-05          CC_AES12hour_100year PWOPRMHS0001389 2.41  14.2     535.556  0.5      0
HC10-06          CC_AES12hour_100year PWOPRMHS0001388 1.33  12.4     369.444  0.6      0
HC10-07          CC_AES12hour_100year PWOPRMHS0001429 1.71  16.5     488.571  1.2      0
HC10-08          CC_AES12hour_100year PWOPRMHS0001371 1.19  14.9     476      3.7      0
HC10-09          CC_AES12hour_100year MHEasement2  1.39     12.2     315.909  1.1      0
HC10-10          CC_AES12hour_100year PWOPRMHS0001423 0.28  14.9     93.333   1.9      0
HC10-11          CC_AES12hour_100year PWOPRMHS0001422 0.27  19.5     158.824  2.1      0
HC10-12          CC_AES12hour_100year 50           0.9      2.4      428.571  0.7      0
HC10-13          CC_AES12hour_100year MHEasement1  0.59     16       131.111  0.8      0
HC10-14          CC_AES12hour_100year PWOPRMHS0001374 0.46  16.3     115      2.1      0
HC10-15          CC_AES12hour_100year PWOPRMHS0001420 0.4   16.5     160      1.6      0

[SUBAREAS]
;;Subcatchment   N-Imperv   N-Perv     S-Imperv   S-Perv     PctZero    RouteTo    PctRouted
;;-------------- ---------- ---------- ---------- ---------- ---------- ---------- ----------
A1               0.013      0.35       1          7          25         OUTLET
A1.1             0.013      0.2        1          5          25         OUTLET
A1.1_FRST        0.013      0.2        1          5          25         OUTLET
A2               0.013      0.35       1          7          25         OUTLET
A2.1             0.013      0.2        1          5          25         OUTLET
A2.1_FRST        0.013      0.2        1          5          25         OUTLET
A2.2             0.013      0.2        1          5          25         OUTLET
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A2.2_FRST	0.013	0.2	1	5	25	OUTLET
A3	0.013	0.35	1	7	25	OUTLET
A3.1	0.013	0.2	1	5	25	OUTLET
A3.1_FRST	0.013	0.2	1	5	25	OUTLET
A3.2	0.013	0.2	1	5	25	OUTLET
A3.2_FRST	0.013	0.2	1	5	25	OUTLET
A3.3	0.013	0.2	1	5	25	OUTLET
A3.3_FRST	0.013	0.2	1	5	25	OUTLET
A4	0.013	0.35	1	7	25	OUTLET
A4.1	0.013	0.2	1	5	25	OUTLET
A4.1_FRST	0.013	0.2	1	5	25	OUTLET
A4.2	0.013	0.2	1	5	25	OUTLET
A4.2_FRST	0.013	0.2	1	5	25	OUTLET
A4.3	0.013	0.2	1	5	25	OUTLET
A4.3_FRST	0.013	0.2	1	5	25	OUTLET
A4.4_FRST	0.013	0.2	1	5	25	OUTLET
A4.5	0.013	0.2	1	5	25	OUTLET
A4.5_FRST	0.013	0.2	1	5	25	OUTLET
A4.6	0.013	0.2	1	5	25	OUTLET
A4.6_FRST	0.013	0.2	1	5	25	OUTLET
B1	0.013	0.35	1	7	25	OUTLET
B1.1	0.013	0.2	1	5	25	OUTLET
B1.1_FRST	0.013	0.2	1	5	25	OUTLET
B2	0.013	0.35	1	7	25	OUTLET
B2.1	0.013	0.2	1	5	25	OUTLET
B2.1_FRST	0.013	0.2	1	5	25	OUTLET
C1	0.013	0.35	1	7	25	OUTLET
C1.1	0.013	0.2	1	5	25	OUTLET
C1.1_FRST	0.013	0.2	1	5	25	OUTLET
D1	0.013	0.35	1	7	25	OUTLET
D1.1	0.013	0.2	1	5	25	OUTLET
D1.1_FRST	0.013	0.2	1	5	25	OUTLET
D2	0.013	0.35	1	7	25	OUTLET
D2.1	0.013	0.2	1	5	25	OUTLET
D2.1_FRST	0.013	0.2	1	5	25	OUTLET
D3	0.013	0.35	1	7	25	OUTLET
D3.1	0.013	0.2	1	5	25	OUTLET
D4	0.013	0.35	1	7	25	OUTLET
D4.1	0.013	0.2	1	5	25	OUTLET
D4.1_FRST	0.013	0.2	1	5	25	OUTLET
E1	0.013	0.35	1	7	25	OUTLET

E1.1	0.013	0.2	1	5	25	OUTLET
E1.1_FRST	0.013	0.2	1	5	25	OUTLET
E2	0.013	0.35	1	7	25	OUTLET
E2.1	0.013	0.2	1	5	25	OUTLET
E2.1_FRST	0.013	0.2	1	5	25	OUTLET
E3	0.013	0.35	1	7	25	OUTLET
E3.1	0.013	0.2	1	5	25	OUTLET
E3.1_FRST	0.013	0.2	1	5	25	OUTLET
HC01-01	0.013	0.2	1	5	25	OUTLET
HC01-02	0.013	0.2	1	5	25	OUTLET
HC01-03	0.013	0.2	1	5	25	OUTLET
HC01-04	0.013	0.2	1	5	25	OUTLET
HC01-05	0.013	0.2	1	5	25	OUTLET
HC01-06	0.013	0.2	1	5	25	OUTLET
HC01-07	0.013	0.2	1	5	25	OUTLET
HC01-08	0.013	0.2	1	5	25	OUTLET
HC01-09	0.013	0.2	1	5	25	OUTLET
HC01-10	0.013	0.2	1	5	25	OUTLET
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HC01-12	0.013	0.2	1	5	25	OUTLET
HC02-01	0.013	0.2	1	5	25	OUTLET
HC02-02	0.013	0.2	1	5	25	OUTLET
HC02-03	0.013	0.2	1	5	25	OUTLET
HC02-04	0.013	0.2	1	5	25	OUTLET
HC02-05	0.013	0.2	1	5	25	OUTLET
HC02-06	0.013	0.2	1	5	25	OUTLET
HC02-07	0.013	0.2	1	5	25	OUTLET
HC02-08	0.013	0.2	1	5	25	OUTLET
HC02-09	0.013	0.2	1	5	25	OUTLET
HC02-10	0.013	0.2	1	5	25	OUTLET
HC02-11	0.013	0.2	1	5	25	OUTLET
HC02-12	0.013	0.2	1	5	25	OUTLET
HC02-13	0.013	0.2	1	5	25	OUTLET
HC02-14	0.013	0.2	1	5	25	OUTLET
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HC02-16	0.013	0.2	1	5	25	OUTLET
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HC02-19	0.013	0.2	1	5	25	OUTLET
HC02-20	0.013	0.2	1	5	25	OUTLET
HC02-21	0.013	0.2	1	5	25	OUTLET

HC02-22	0.013	0.2	1	5	25	OUTLET
HC02-23	0.013	0.2	1	5	25	OUTLET
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HC02-25	0.013	0.2	1	5	25	OUTLET
HC02-26	0.013	0.2	1	5	25	OUTLET
HC02-27	0.013	0.2	1	5	25	OUTLET
HC02-28	0.013	0.2	1	5	25	OUTLET
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HC02-30	0.013	0.2	1	5	25	OUTLET
HC02-31	0.013	0.2	1	5	25	OUTLET
HC02-32	0.013	0.2	1	5	25	OUTLET
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HC02-39	0.013	0.2	1	5	25	OUTLET
HC03-01	0.013	0.2	1	5	25	OUTLET
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HC03-03	0.013	0.2	1	5	25	OUTLET
HC03-04	0.013	0.2	1	5	25	OUTLET
HC03-05	0.013	0.2	1	5	25	OUTLET
HC03-06	0.013	0.2	1	5	25	OUTLET
HC03-07	0.013	0.2	1	5	25	OUTLET
HC03-08	0.013	0.2	1	5	25	OUTLET
HC03-09	0.013	0.2	1	5	25	OUTLET
HC03-10	0.013	0.2	1	5	25	OUTLET
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HC03-14	0.013	0.2	1	5	25	OUTLET
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HC03-19	0.013	0.2	1	5	25	OUTLET
HC03-20	0.013	0.2	1	5	25	OUTLET
HC04-01	0.013	0.2	1	5	25	OUTLET
HC04-02	0.013	0.2	1	5	25	OUTLET
HC04-03	0.013	0.2	1	5	25	OUTLET

HC04-04	0.013	0.2	1	5	25	OUTLET
HC04-05	0.013	0.2	1	5	25	OUTLET
HC04-06	0.013	0.2	1	5	25	OUTLET
HC04-07	0.013	0.2	1	5	25	OUTLET
HC04-08	0.013	0.2	1	5	25	OUTLET
HC04-09	0.013	0.2	1	5	25	OUTLET
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HC04-12	0.013	0.2	1	5	25	OUTLET
HC04-13	0.013	0.2	1	5	25	OUTLET
HC04-14	0.013	0.2	1	5	25	OUTLET
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HC04-16	0.013	0.2	1	5	25	OUTLET
HC04-17	0.013	0.2	1	5	25	OUTLET
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HC04-21	0.013	0.2	1	5	25	OUTLET
HC04-22	0.013	0.2	1	5	25	OUTLET
HC04-23	0.013	0.2	1	5	25	OUTLET
HC04-24	0.013	0.2	1	5	25	OUTLET
HC04-25	0.013	0.2	1	5	25	OUTLET
HC04-26	0.013	0.2	1	5	25	OUTLET
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HC04-31	0.013	0.2	1	5	25	OUTLET
HC04-32	0.013	0.2	1	5	25	OUTLET
HC04-33	0.013	0.2	1	5	25	OUTLET
HC04-34	0.013	0.2	1	5	25	OUTLET
HC04-35	0.013	0.2	1	5	25	OUTLET
HC04-36	0.013	0.2	1	5	25	OUTLET
HC05-01	0.013	0.2	1	5	25	OUTLET
HC05-02	0.013	0.2	1	5	25	OUTLET
HC05-03	0.013	0.2	1	5	25	OUTLET
HC05-04	0.013	0.2	1	5	25	OUTLET
HC05-05	0.013	0.2	1	5	25	OUTLET
HC05-06	0.013	0.2	1	5	25	OUTLET
HC05-07	0.013	0.2	1	5	25	OUTLET
HC05-08	0.013	0.2	1	5	25	OUTLET

HC05-09	0.013	0.2	1	5	25	OUTLET
HC05-10	0.013	0.2	1	5	25	OUTLET
HC05-11	0.013	0.2	1	5	25	OUTLET
HC06-01	0.013	0.2	1	5	25	OUTLET
HC06-02	0.013	0.2	1	5	25	OUTLET
HC06-03	0.013	0.2	1	5	25	OUTLET
HC06-04	0.013	0.2	1	5	25	OUTLET
HC06-05	0.013	0.2	1	5	25	OUTLET
HC06-06	0.013	0.2	1	5	25	OUTLET
HC06-07	0.013	0.2	1	5	25	OUTLET
HC06-08	0.013	0.2	1	5	25	OUTLET
HC06-09	0.013	0.2	1	5	25	OUTLET
HC06-10	0.013	0.2	1	5	25	OUTLET
HC06-11	0.013	0.2	1	5	25	OUTLET
HC06-12	0.013	0.2	1	5	25	OUTLET
HC06-13	0.013	0.2	1	5	25	OUTLET
HC06-14	0.013	0.2	1	5	25	OUTLET
HC06-15	0.013	0.2	1	5	25	OUTLET
HC06-16	0.013	0.2	1	5	25	OUTLET
HC06-17	0.013	0.2	1	5	25	OUTLET
HC06-18	0.013	0.2	1	5	25	OUTLET
HC06-19	0.013	0.2	1	5	25	OUTLET
HC06-20	0.013	0.2	1	5	25	OUTLET
HC06-21	0.013	0.2	1	5	25	OUTLET
HC06-22	0.013	0.2	1	5	25	OUTLET
HC06-23	0.013	0.2	1	5	25	OUTLET
HC06-24	0.013	0.2	1	5	25	OUTLET
HC06-25	0.013	0.2	1	5	25	OUTLET
HC06-26	0.013	0.2	1	5	25	OUTLET
HC06-27	0.013	0.2	1	5	25	OUTLET
HC06-28	0.013	0.2	1	5	25	OUTLET
HC06-29	0.013	0.2	1	5	25	OUTLET
HC06-30	0.013	0.2	1	5	25	OUTLET
HC06-31	0.013	0.2	1	5	25	OUTLET
HC06-32	0.013	0.2	1	5	25	OUTLET
HC07-01	0.013	0.2	1	5	25	OUTLET
HC07-02	0.013	0.2	1	5	25	OUTLET
HC07-03	0.013	0.2	1	5	25	OUTLET
HC07-04	0.013	0.2	1	5	25	OUTLET
HC07-05	0.013	0.2	1	5	25	OUTLET
HC07-06	0.013	0.2	1	5	25	OUTLET

```
HC07-07          0.013      0.2        1          5          25         OUTLET
HC07-08          0.013      0.2        1          5          25         OUTLET
HC07-09          0.013      0.2        1          5          25         OUTLET
HC08-01          0.013      0.2        1          5          25         OUTLET
HC08-02          0.013      0.2        1          5          25         OUTLET
HC08-03          0.013      0.2        1          5          25         OUTLET
HC08-04          0.013      0.2        1          5          25         OUTLET
HC08-05          0.013      0.2        1          5          25         OUTLET
HC08-06          0.013      0.2        1          5          25         OUTLET
HC08-07          0.013      0.2        1          5          25         OUTLET
HC08-08          0.013      0.2        1          5          25         OUTLET
HC08-09          0.013      0.2        1          5          25         OUTLET
HC08-10          0.013      0.2        1          5          25         OUTLET
HC09-01          0.013      0.2        1          5          25         OUTLET
HC09-02          0.013      0.2        1          5          25         OUTLET
HC09-03          0.013      0.2        1          5          25         OUTLET
HC09-04          0.013      0.2        1          5          25         OUTLET
HC09-05          0.013      0.2        1          5          25         OUTLET
HC09-06          0.013      0.2        1          5          25         OUTLET
HC09-07          0.013      0.2        1          5          25         OUTLET
HC10-01          0.013      0.2        1          5          25         OUTLET
HC10-02          0.013      0.2        1          5          25         OUTLET
HC10-03          0.013      0.2        1          5          25         OUTLET
HC10-04          0.013      0.2        1          5          25         OUTLET
HC10-05          0.013      0.2        1          5          25         OUTLET
HC10-06          0.013      0.2        1          5          25         OUTLET
HC10-07          0.013      0.2        1          5          25         OUTLET
HC10-08          0.013      0.2        1          5          25         OUTLET
HC10-09          0.013      0.2        1          5          25         OUTLET
HC10-10          0.013      0.2        1          5          25         OUTLET
HC10-11          0.013      0.2        1          5          25         OUTLET
HC10-12          0.013      0.2        1          5          25         OUTLET
HC10-13          0.013      0.2        1          5          25         OUTLET
HC10-14          0.013      0.2        1          5          25         OUTLET
HC10-15          0.013      0.2        1          5          25         OUTLET

[INFILTRATION]
;;Subcatchment   Suction    HydCon     IMDmax
;;-------------- ---------- ---------- ----------
A1               166        5          0.2
A1.1             248        2          0.2
```

A1.1_FRST	227	3	0.2
A2	192	5	0.2
A2.1	238	4	0.2
A2.1_FRST	235	5	0.2
A2.2	244	3	0.2
A2.2_FRST	229	5	0.2
A3	157	8	0.2
A3.1	250	2	0.2
A3.1_FRST	238	5	0.2
A3.2	242	3	0.2
A3.2_FRST	193	7	0.2
A3.3	249	2	0.2
A3.3_FRST	179	8	0.2
A4	156	6	0.2
A4.1	247	2	0.2
A4.1_FRST	210	6	0.2
A4.2	250	2	0.2
A4.2_FRST	220	4	0.2
A4.3	243	3	0.2
A4.3_FRST	154	9	0.2
A4.4_FRST	144	10	0.2
A4.5	245	2	0.2
A4.5_FRST	233	3	0.2
A4.6	193	7	0.2
A4.6_FRST	152	9	0.2
B1	250	2	0.2
B1.1	250	2	0.2
B1.1_FRST	250	2	0.2
B2	250	2	0.2
B2.1	250	2	0.2
B2.1_FRST	250	2	0.2
C1	147	5	0.2
C1.1	236	3	0.2
C1.1_FRST	151	5	0.2
D1	145	7	0.2
D1.1	147	10	0.2
D1.1_FRST	146	7	0.2
D2	146	6	0.2
D2.1	155	9	0.2
D2.1_FRST	145	8	0.2
D3	172	5	0.2

D3.1	160	9	0.2
D4	145	7	0.2
D4.1	172	8	0.2
D4.1_FRST	150	8	0.2
E1	213	5	0.2
E1.1	188	5	0.2
E1.1_FRST	166	7	0.2
E2	233	3	0.2
E2.1	250	2	0.2
E2.1_FRST	241	3	0.2
E3	170	9	0.2
E3.1	217	5	0.2
E3.1_FRST	201	6	0.2
HC01-01	237	4.6	0.2
HC01-02	237	4.5	0.2
HC01-03	237	4.5	0.2
HC01-04	237	4.7	0.2
HC01-05	237	4.5	0.2
HC01-06	237	4.5	0.2
HC01-07	237	4.5	0.2
HC01-08	237	4.5	0.2
HC01-09	237	4.5	0.2
HC01-10	237	4.5	0.2
HC01-11	237	4.5	0.2
HC01-12	146	4.5	0.2
HC02-01	237	4.4	0.2
HC02-02	237	3.9	0.2
HC02-03	237	4.1	0.2
HC02-04	237	4.3	0.2
HC02-05	237	4.4	0.2
HC02-06	237	4.4	0.2
HC02-07	237	4.5	0.2
HC02-08	237	4.6	0.2
HC02-09	237	4.5	0.2
HC02-10	237	4.6	0.2
HC02-11	237	4.5	0.2
HC02-12	237	4.6	0.2
HC02-13	237	4.6	0.2
HC02-14	237	4.6	0.2
HC02-15	237	4.5	0.2
HC02-16	144	9.7	0.2

HC02-17	146	4.5	0.2
HC02-18	144	9.7	0.2
HC02-19	144	9.6	0.2
HC02-20	237	4.3	0.2
HC02-21	237	4.5	0.2
HC02-22	237	4.5	0.2
HC02-23	237	4.1	0.2
HC02-24	237	3.6	0.2
HC02-25	237	4	0.2
HC02-26	237	3.8	0.2
HC02-27	144	9.6	0.2
HC02-28	144	9.6	0.2
HC02-29	144	9.3	0.2
HC02-30	144	10.4	0.2
HC02-31	144	9.5	0.2
HC02-32	144	9.6	0.2
HC02-33	144	9.5	0.2
HC02-34	144	9.3	0.2
HC02-35	144	10.3	0.2
HC02-36	144	10	0.2
HC02-37	144	10	0.2
HC02-38	237	4.5	0.2
HC02-39	237	4.6	0.2
HC03-01	237	3.7	0.2
HC03-02	237	4.4	0.2
HC03-03	237	4.4	0.2
HC03-04	237	4.4	0.2
HC03-05	237	4.2	0.2
HC03-06	237	4.5	0.2
HC03-07	237	4.4	0.2
HC03-08	144	9.9	0.2
HC03-09	144	10	0.2
HC03-10	144	9.9	0.2
HC03-11	144	9.9	0.2
HC03-12	144	9.7	0.2
HC03-13	144	9.5	0.2
HC03-14	144	7.6	0.2
HC03-15	144	9.7	0.2
HC03-16	144	9.5	0.2
HC03-17	237	4.2	0.2
HC03-18	237	3.6	0.2

HC03-19	237	4.7	0.2
HC03-20	237	4.7	0.2
HC04-01	146	4.6	0.2
HC04-02	144	10	0.2
HC04-03	144	10	0.2
HC04-04	146	4.6	0.2
HC04-05	144	9.8	0.2
HC04-06	144	9.8	0.2
HC04-07	144	9.1	0.2
HC04-08	144	9.9	0.2
HC04-09	144	9.8	0.2
HC04-10	144	9.8	0.2
HC04-11	144	10.2	0.2
HC04-12	144	9.8	0.2
HC04-13	144	9.5	0.2
HC04-14	237	4.5	0.2
HC04-15	237	4.5	0.2
HC04-16	237	4.4	0.2
HC04-17	237	4.5	0.2
HC04-18	237	4.5	0.2
HC04-19	237	4.6	0.2
HC04-20	237	4.6	0.2
HC04-21	237	4.5	0.2
HC04-22	237	4.5	0.2
HC04-23	237	4.6	0.2
HC04-24	237	4.5	0.2
HC04-25	146	4.5	0.2
HC04-26	144	9.8	0.2
HC04-27	237	4.6	0.2
HC04-28	144	9.5	0.2
HC04-29	146	4.5	0.2
HC04-30	146	4.5	0.2
HC04-31	144	9.4	0.2
HC04-32	144	9.5	0.2
HC04-33	144	9.7	0.2
HC04-34	144	10	0.2
HC04-35	144	9.7	0.2
HC04-36	146	4.3	0.2
HC05-01	146	4.6	0.2
HC05-02	146	4.6	0.2
HC05-03	144	5	0.2

HC05-04	144	10	0.2
HC05-05	144	9.3	0.2
HC05-06	144	9.7	0.2
HC05-07	144	9.8	0.2
HC05-08	144	9.7	0.2
HC05-09	144	9.8	0.2
HC05-10	144	9.6	0.2
HC05-11	144	10	0.2
HC06-01	237	4.4	0.2
HC06-02	237	4.4	0.2
HC06-03	237	4.8	0.2
HC06-04	237	4.8	0.2
HC06-05	237	4.5	0.2
HC06-06	237	4.5	0.2
HC06-07	146	4.5	0.2
HC06-08	237	4.5	0.2
HC06-09	237	4.5	0.2
HC06-10	237	4.5	0.2
HC06-11	146	4.4	0.2
HC06-12	146	4.4	0.2
HC06-13	144	8.2	0.2
HC06-14	144	7.8	0.2
HC06-15	144	3.5	0.2
HC06-16	144	5.9	0.2
HC06-17	144	8	0.2
HC06-18	144	8	0.2
HC06-19	144	3.5	0.2
HC06-20	144	3.5	0.2
HC06-21	144	6.6	0.2
HC06-22	144	3.5	0.2
HC06-23	144	6.2	0.2
HC06-24	144	3.5	0.2
HC06-25	146	4.4	0.2
HC06-26	144	9.7	0.2
HC06-27	144	5	0.2
HC06-28	144	3.5	0.2
HC06-29	146	4.7	0.2
HC06-30	146	4.2	0.2
HC06-31	144	10.3	0.2
HC06-32	144	10	0.2
HC07-01	144	9.7	0.2

HC07-02	144	9.8	0.2
HC07-03	144	9.6	0.2
HC07-04	144	9.7	0.2
HC07-05	144	9.8	0.2
HC07-06	144	9.7	0.2
HC07-07	144	9.8	0.2
HC07-08	144	9.6	0.2
HC07-09	144	10.3	0.2
HC08-01	146	4.5	0.2
HC08-02	146	4.4	0.2
HC08-03	144	9.5	0.2
HC08-04	146	4.6	0.2
HC08-05	146	4.3	0.2
HC08-06	146	4.5	0.2
HC08-07	146	4.5	0.2
HC08-08	146	3.7	0.2
HC08-09	146	4.2	0.2
HC08-10	146	4.7	0.2
HC09-01	144	10.1	0.2
HC09-02	144	10.2	0.2
HC09-03	144	9.9	0.2
HC09-04	144	10	0.2
HC09-05	144	9.9	0.2
HC09-06	144	9.9	0.2
HC09-07	144	9.7	0.2
HC10-01	144	10.1	0.2
HC10-02	144	9.4	0.2
HC10-03	144	9.6	0.2
HC10-04	144	9.9	0.2
HC10-05	144	10	0.2
HC10-06	144	9.9	0.2
HC10-07	144	9.9	0.2
HC10-08	144	10	0.2
HC10-09	144	9.9	0.2
HC10-10	144	10	0.2
HC10-11	144	9.8	0.2
HC10-12	144	10.3	0.2
HC10-13	144	9.9	0.2
HC10-14	144	9.9	0.2
HC10-15	144	9.9	0.2

```
[LID_CONTROLS]
;;               Type/Layer Parameters
;;-------------- ---------- ----------
NA_LID           BC
NA_LID           SURFACE    150        0.5        0.1        2.6        5
NA_LID           SOIL       1000       0.45       0.12       0.06       220        45         55
NA_LID           STORAGE    250        0.4        7          0
NA_LID           DRAIN      0          0.5        6          6          0          0

[LID_USAGE]
;;Subcatchment   LID Process      Number  Area       Width      InitSatur  FromImprv  ToPerv     Report File
Drain to         FromPerv
;;-------------- ---------------- ------- ---------- ---------- ---------- ---------- ---------- ------------------
------ ---------------- ----------------
A1.1_FRST        NA_LID           5       400        20         25         100        0          *
*                100
A2.1_FRST        NA_LID           4       400        20         25         100        0          *
*                100
A2.2_FRST        NA_LID           5       400        20         25         100        0          *
*                100
A3.1_FRST        NA_LID           18      400        20         25         100        0          *
*                100
A3.2_FRST        NA_LID           16      400        20         25         100        0          *
*                100
A3.3_FRST        NA_LID           28      400        20         25         100        0          *
*                100
A4.1_FRST        NA_LID           7       400        20         25         100        0          *
*                100
A4.2_FRST        NA_LID           27      400        20         25         100        0          *
*                100
A4.3_FRST        NA_LID           30      400        20         25         100        0          *
*                100
A4.4_FRST        NA_LID           39      400        20         25         100        0          *
*                100
A4.5_FRST        NA_LID           21      400        20         25         100        0          *
*                100
A4.6_FRST        NA_LID           208     400        20         25         100        0          *
*                100
B1.1_FRST        NA_LID           4       400        20         25         100        0          *
*                100
B2.1_FRST        NA_LID           4       400        20         25         100        0          *
*                100
C1.1_FRST        NA_LID           9       400        20         25         100        0          *
```

```
D1.1_FRST        NA_LID           107     400        20         25         100        0          *
*                100
D2.1_FRST        NA_LID           64      400        20         25         100        0          *
*                100
D4.1_FRST        NA_LID           44      400        20         25         100        0          *
*                100
E1.1_FRST        NA_LID           54      400        20         25         100        0          *
*                100
E2.1_FRST        NA_LID           1       400        20         25         100        0          *
*                100
E3.1_FRST        NA_LID           16      400        20         25         100        0          *
*                100

[JUNCTIONS]
;;               Invert     Max.       Init.      Surcharge  Ponded
;;Name           Elev.      Depth      Depth      Depth      Area
;;-------------- ---------- ---------- ---------- ---------- ----------
1                332.644    3          0          0          0
11               316.607    3          0          0          0
12               315.5      3          0          0          0
;07
13               314.5      3          0          0          0
14               331.1      3          0          0          0
15               313.95     3          0          0          0
17               312        3          0          0          0
;02
18               322.5      3          0          0          0
19               323.5      3          0          0          0
2                324        3          0          0          0
20               330.1      0          0          0          0
;05
21               321.1      3          0          0          0
;03
22               321.5      3          0          0          0
24               320.5      3          0          0          0
25               321.103    3          0          0          0
26               327.931    3          0          0          0
27               326.5      3          0          0          0
28               326.1      3          0          0          0
29               323.893    3          0          0          0
3                330.57     3          0          0          0
30               320.5      3          0          0          0
```

```
;06
31                320.148    3          0          0          0
32                319        3          0          0          0
34                317.868    3          0          0          0
35                317.5      3          0          0          0
36                315.5      3          0          0          0
37                324.1      3          0          0          0
39                321.3      3          0          0          0
4                 325        3          0          0          0
40                319.1      3          0          0          0
42                322.1      3          0          0          0
48                324.6      3          0          0          0
49                321.6      3          0          0          0
;01
5                 329.5      3          0          0          0
50                318.1      3          0          0          0
53                314.1      3          0          0          0
54                313.925    3          0          0          0
;08
56                301.1      3          0          0          0
6                 329        3          0          0          0
7                 318.1      3          0          0          0
8                 320.964    3          0          0          0
;04
9                 320.404    3          0          0          0
;NA
MHEasement1       319.07     3.83       0          0          0
;NA
MHEasement2       318.7      2          0          0          0
;Represents direct connection point of servicing from public school
;Rim elevation approximated by neighbouring MH values and contours
MHSchool          328.55     3.18       0          0.3        0
;NA
MHSWM4            319.25     4.3        0          0.3        0
;NA
PWOPRMHS0001369   319.39     2.49       0          0.3        0
;NA
PWOPRMHS0001370   319.27     3.33       0          0.3        0
;NA
PWOPRMHS0001371   319.82     3.07       0          0.3        0
;NA
```

```
PWOPRMHS0001372  320.15     3.07       0          0.3        0
;NA
PWOPRMHS0001373  320.02     2.26       0          0.3        0
;NA
PWOPRMHS0001374  319.69     2.9        0          0.3        0
;NA
PWOPRMHS0001375  319.57     2.83       0          0.3        0
;NA
PWOPRMHS0001386  318.61     2.05       0          0.3        0
;NA
PWOPRMHS0001387  318.75     2.27       0          0.3        0
;NA
PWOPRMHS0001388  318.93     2.35       0          0.3        0
;NA
PWOPRMHS0001389  319.13     2.39       0          0.3        0
;NA
PWOPRMHS0001390  317.49     3.36       0          0.3        0
;NA
PWOPRMHS0001391  317.27     3.16       0          0.3        0
;NA
PWOPRMHS0001392  318.18     2.66       0          0.3        0
;NA
PWOPRMHS0001393  320.19     2.79       0          0.3        0
;NA
PWOPRMHS0001394  316.86     2.8        0          0.3        0
;NA
PWOPRMHS0001395  316.79     2.63       0          0.3        0
;NA
PWOPRMHS0001398  317.27     3.29       0          0.3        0
;NA
PWOPRMHS0001399  317.15     2.87       0          0.3        0
;NA
PWOPRMHS0001400  316.99     2.75       0          0.3        0
;NA
PWOPRMHS0001401  316.67     2.83       0          0.3        0
;NA
PWOPRMHS0001402  316.5      2.78       0          0.3        0
;NA
PWOPRMHS0001403  321.7      3.25       0          0.3        0
;NA
PWOPRMHS0001404  320.54     2.9        0          0.3        0
```

```
;NA
PWOPRMHS0001408  320.83     2.96       0          0.3        0
;NA
PWOPRMHS0001409  327.81     2.43       0          0.3        0
;NA
PWOPRMHS0001410  326.47     3.97       0          0.3        0
;NA
PWOPRMHS0001411  327.47     3.16       0          0.3        0
;NA
PWOPRMHS0001412  331.69     3.81       0          0.3        0
;NA
PWOPRMHS0001413  331.74     3.86       0          0.3        0
;NA
PWOPRMHS0001415  319.68     2.59       0          0.3        0
;NA
PWOPRMHS0001416  318.99     4.22       0          0.3        0
;NA
PWOPRMHS0001418  318.73     3.45       0          0.3        0
;NA
PWOPRMHS0001419  319.99     3.16       0          0.3        0
;NA
PWOPRMHS0001420  320.5      3.14       0          0.3        0
;NA
PWOPRMHS0001421  320.94     3.21       0          0.3        0
;NA
PWOPRMHS0001422  320.28     2.33       0          0.3        0
;NA
PWOPRMHS0001423  320.43     2.8        0          0.3        0
;NA
PWOPRMHS0001424  320.96     2.34       0          0.3        0
;NA
PWOPRMHS0001428  323.21     3.02       0          0.3        0
;NA
PWOPRMHS0001429  321.35     3.17       0          0.3        0
;NA
PWOPRMHS0001430  321.23     2.88       0          0.3        0
;NA
PWOPRMHS0001431  323.01     3.1        0          0.3        0
;NA
PWOPRMHS0001433  319.78     3.9        0          0.3        0
;NA
```

```
PWOPRMHS0001435  319.64     2.89       0          0.3        0
;NA
PWOPRMHS0001436  318.35     5.33       0          0.3        0
;NA
PWOPRMHS0001437  319.38     3.85       0          0.5        0
;NA
PWOPRMHS0001438  318.2      4.24       0          0.3        0
;NA
PWOPRMHS0001467  320.92     2.97       0          0.3        0
PWOPRMHS0001597  324.78     2.86       0          0.3        0
PWOPRMHS0001598  325.49     2.11       0          0.3        0
PWOPRMHS0001600  324.66     3.3        0          0.3        0
PWOPRMHS0001601  326.15     2          0          0.3        0
PWOPRMHS0001602  325.98     2          0          0.3        0
PWOPRMHS0001603  324.23     3.25       0          0.3        0
PWOPRMHS0001604  323.95     3.47       0          0.3        0
PWOPRMHS0001605  324.34     3.15       0          0.3        0
PWOPRMHS0001606  323.57     3.36       0          0.3        0
PWOPRMHS0001608  325.67     2.5        0          0.3        0
PWOPRMHS0001610  325.44     2.21       0          0.3        0
;NA
PWOPRMHS0001611  322.87     2.24       0          0.3        0
;NA
PWOPRMHS0001614  322.91     3.09       0          0.3        0
;NA
PWOPRMHS0001622  332.73     2.22       0          0.3        0
;NA
PWOPRMHS0001624  330.92     3.93       0          0.3        0
;NA
PWOPRMHS0001625  330.61     4.33       0          0.3        0
;NA
PWOPRMHS0001626  331        4.4        0          0.3        0
;NA
PWOPRMHS0001634  326.21     3.77       0          0.3        0
;NA
PWOPRMHS0001642  323.27     2.84       0          0.3        0
;NA
PWOPRMHS0001643  323.38     2.83       0          0.3        0
;NA
PWOPRMHS0001649  329.21     4.17       0          0.3        0
;NA
```

```
PWOPRMHS0001650  329.57     3.87       0          0.3        0
;NA
PWOPRMHS0001651  330.28     4.11       0          0.3        0
;NA
PWOPRMHS0001652  326.89     2.16       0          0.3        0
;NA
PWOPRMHS0001653  325.24     2.15       0          0.3        0
;NA
PWOPRMHS0001654  324.91     2.39       0          0.3        0
;NA
PWOPRMHS0001655  330        3.56       0          0.3        0
;NA
PWOPRMHS0001657  324.58     2.47       0          0.3        0
;NA
PWOPRMHS0001658  324.92     2.21       0          0.3        0
;NA
PWOPRMHS0001659  325.31     2.46       0          0.3        0
;NA
PWOPRMHS0001660  324.1      2.85       0          0.3        0
;NA
PWOPRMHS0001661B 324.31     2.45       0          0.3        0
;NA
PWOPRMHS0001662  323.95     2.98       0          0.3        0
;NA
PWOPRMHS0001663  324.06     2.66       0          0.3        0
;NA
PWOPRMHS0001664  326.35     2.28       0          0.3        0
PWOPRMHS0001667  323.15     3.08       0          0.3        0
PWOPRMHS0001670  322.92     2          0          0.3        0
PWOPRMHS0001674  325.88     3.53       0          0.3        0
PWOPRMHS0001676  326.33     3.2        0          0.3        0
PWOPRMHS0001677  326.59     3.15       0          0.3        0
;Rim elevation estimated
PWOPRMHS0001678  327.01     2.79       0          0.3        0
PWOPRMHS0001679  335.89     2.66       0          0.3        0
PWOPRMHS0001680  335.06     3.4        0          0.3        0
PWOPRMHS0001682  328.1      3.89       0          0.3        0
PWOPRMHS0001686  328.55     3.6        0          0.3        0
PWOPRMHS0001687  326.4      3.48       0          0.3        0
PWOPRMHS0001688  326.1      3.34       0          0.3        0
PWOPRMHS0001689  326.61     3.68       0          0.3        0
```

```
PWOPRMHS0001690  326.74     3.56       0          0.3        0
PWOPRMHS0001691  326.982    3.598      0          0.3        0
PWOPRMHS0001692  327.57     3.44       0          0.3        0
;NA
PWOPRMHS0001695  322.25     3.57       0          0.3        0
;NA
PWOPRMHS0001697  323.91     3.11       0          0.3        0
PWOPRMHS0001705  328.53     3.5        0          0.3        0
PWOPRMHS0001706  327.14     3.06       0          0.3        0
PWOPRMHS0001713  325.51     3.65       0          0.3        0
PWOPRMHS0001729  329.08     3.52       0          0.3        0
PWOPRMHS0001732  328.98     3.3        0          0.3        0
;NA
PWOPRMHS0001733  324.05     2.7        0          0.3        0
;NA
PWOPRMHS0001736  323.4      3.15       0          0.3        0
PWOPRMHS0001739  328.89     3.32       0          0.3        0
PWOPRMHS0001740  328.72     3.33       0          0.3        0
PWOPRMHS0001741  329.48     2.76       0          0.3        0
PWOPRMHS0001743  327.29     3.33       0          0.3        0
PWOPRMHS0001744  327.73     3.33       0          0.3        0
PWOPRMHS0001745  328.06     3.3        0          0.3        0
PWOPRMHS0001746  327.93     3.33       0          0.3        0
;NA
PWOPRMHS0001761  329.15     2.76       0          0.3        0
;NA
PWOPRMHS0001764  327.46     3.78       0          0.3        0
;NA
PWOPRMHS0001765  328.04     2.39       0          0.3        0
;NA
PWOPRMHS0001766  328.32     2.41       0          0.3        0
;NA
PWOPRMHS0001767  327.25     3.62       0          0.3        0
;NA
PWOPRMHS0001768  327.85     2.58       0          0.3        0
;NA
PWOPRMHS0001788  322.94     3.97       0          0.3        0
;NA
PWOPRMHS0001791  325.59     5.96       0          0.3        0
;NA
PWOPRMHS0001792  325.24     6.82       0          0.3        0
```

```
;NA
PWOPRMHS0001796  326.65     4.02       0          0          0
;NA
PWOPRMHS0001797  326.4      4.83       0          0          0
;NA
PWOPRMHS0001798  326.06     5.77       0          0.3        0
;NA
PWOPRMHS0001804  331.98     3.61       0          0.3        0
;NA
PWOPRMHS0001836  324.56     5.25       0          0.3        0
;NA
PWOPRMHS0001855  326.21     3.73       0          0.3        0
;NA
PWOPRMHS0001856  327.73     3.67       0          0.3        0
;NA
PWOPRMHS0001857  322.43     3.51       0          0.3        0
;NA
PWOPRMHS0001858  329.93     3.69       0          0.3        0
;NA
PWOPRMHS0001867  331.94     2.78       0          0.3        0
PWOPRMHS0001874  329.87     3.05       0          0.3        0
;NA
PWOPRMHS0001878  323.28     2.96       0          0.3        0
;NA
PWOPRMHS0001879  323.04     3.03       0          0.3        0
;NA
PWOPRMHS0001881  323.57     2.92       0          0.3        0
;NA
PWOPRMHS0001889  324.63     3.44       0          0.3        0
;NA
PWOPRMHS0001890  324.52     3.31       0          0.3        0
;NA
PWOPRMHS0001891  325.1      2.9        0          0.3        0
;NA
PWOPRMHS0001894  324.23     3          0          0.3        0
;NA
PWOPRMHS0001903  332.72     2.54       0          0.3        0
;NA
PWOPRMHS0001904  330.44     3.67       0          0.3        0
;NA
PWOPRMHS0001906  318.8      3.49       0          0.3        0
```

```
;NA
PWOPRMHS0001907  318.83     2.99       0          0.3        0
;NA
PWOPRMHS0001908  319.55     3.08       0          0.3        0
;NA
PWOPRMHS0001911  318.49     3.65       0          0.3        0
;NA
PWOPRMHS0001912  317.51     3.82       0          0.3        0
;NA
PWOPRMHS0001914  331.83     2.71       0          0.3        0
;NA
PWOPRMHS0001915  329.19     3.84       0          0.3        0
;NA
PWOPRMHS0001916  327.59     3.14       0          0.3        0
;NA
PWOPRMHS0001917  319.24     2.98       0          0.3        0
;NA
PWOPRMHS0001918  317.81     4.03       0          0.3        0
PWOPRMHS0001919  327.8      2.84       0          0.3        0
;NA
PWOPRMHS0001925  323.33     3.36       0          0.3        0
;NA
PWOPRMHS0001926  322.69     2.47       0          0.3        0
;NA
PWOPRMHS0001927  323.51     2.31       0          0.3        0
;NA
PWOPRMHS0001928  322.2      2.41       0          0.3        0
;NA
PWOPRMHS0001929  323.85     3.52       0          0.3        0
;NA
PWOPRMHS0001930  323.07     3.07       0          0.3        0
;NA
PWOPRMHS0001931  324.99     5.43       0          0.3        0
;NA
PWOPRMHS0001932  325.31     8.34       0          0.3        0
;NA
PWOPRMHS0001933  325.66     9.07       0          0.3        0
;NA
PWOPRMHS0001935  326.03     7.44       0          0.3        0
;NA
PWOPRMHS0001937  324.28     3.82       0          0.3        0
```

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;NA
PWOPRMHS0001939  327.51     3.59       0          0.3        0
;NA
PWOPRMHS0001941  326.79     3.74       0          0          0
;NA
PWOPRMHS0001943  326.42     5.3        0          0.3        0
;NA
PWOPRMHS0001944  322.64     3          0          0.3        0
;NA
PWOPRMHS0001945  323.32     2.88       0          0.3        0
;NA
PWOPRMHS0001947  324.02     2.7        0          0.3        0
PWOPRMHS0002041  329.07     2.98       0          0.3        0
PWOPRMHS0002042  329.56     4.01       0          0.3        0
PWOPRMHS0002046  330.72     2.86       0          0.3        0
PWOPRMHS0002050  328.97     2.87       0          0.3        0
PWOPRMHS0002051  328.27     3.3        0          0.3        0
;NA
PWOPRMHS0002080  325.23     3.1        0          0.3        0
;NA
PWOPRMHS0002082  326.71     4.05       0          0.3        0
;NA
PWOPRMHS0002083  325.32     3.61       0          0.3        0
;NA
PWOPRMHS0002084  324.97     3.82       0          0.3        0
;NA
PWOPRMHS0002085  329.39     3.11       0          0.3        0
PWOPRMHS0002095  336.04     3.41       0          0.3        0
PWOPRMHS0003136  328.89     3.7        0          0.3        0
PWOPRMHS0003137  329.5      3.26       0          0.3        0
PWOPRMHS0003140  327.35     2.76       0          0.3        0
PWOPRMHS0003146  334.6      3.92       0          0.3        0
PWOPRMHS0003147  333.79     2.72       0          0.3        0
PWOPRMHS0003148  331.89     3.16       0          0.3        0
PWOPRMHS0003149  330.86     3.81       0          0.3        0
PWOPRMHS0003153  336.16     2.43       0          0.3        0
PWOPRMHS0003160  335.5      2.92       0          0.3        0
PWOPRMHS0004129  329.07     2          0          0.3        0
PWOPRMHS0004130  328.83     2.13       0          0.3        0
PWOPRMHS0004131  328.57     2          0          0.3        0
PWOPRMHS0004132  328.13     2.51       0          0.3        0
```

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PWOPRMHS0004133  328.79     2          0          0.3        0
PWOPRMHS0004134  331.94     2          0          0.3        0
PWOPRMHS0004135  332.43     2.02       0          0.3        0
PWOPRMHS0004137  334.38     2.53       0          0.3        0
PWOPRMHS0004141  327.38     2.19       0          0.3        0
PWOPRMHS0004142  327.04     2.46       0          0.3        0
PWOPRMHS0004143  327.78     2          0          0.3        0
PWOPRMHS0004146  332.4      2          0          0.3        0
PWOPRMHS0004159  329.63     2          0          0.3        0
PWOPRMHS0004201  329.52     2          0          0.3        0
PWOPRMHS0004998  326.73     2          0          0.3        0
PWOPRMHS0004999  327.49     2          0          0.3        0
PWOPRMHS0005000  326.99     2.32       0          0.3        0
PWOPRMHS0005001  327.12     2.55       0          0.3        0
PWOPRMHS0005003  326.19     2          0          0.3        0
PWOPRMHS0005008  338.52     4.48       0          0.3        0
PWOPRMHS0005009  339.39     4.26       0          0.3        0
PWOPRMHS0005010  338.14     4.66       0          0.3        0
PWOPRMHS0005011  334.98     3.72       0          0.3        0
PWOPRMHS0005012  335.55     3.95       0          0.3        0
PWOPRMHS0005013  334.8      3.45       0          0.3        0
PWOPRMHS0005178  328.64     2          0          0.3        0
;NA
PWOPRMHS0005179  326.2      4.1        0          0.3        0
;NA
PWOPRMHS0005181  326.66     3.12       0          0.3        0
;NA
PWOPRMHS0005183  327.74     2.96       0          0.3        0
;NA
PWOPRMHS0005188  329.94     2.33       0          0.3        0
;NA
PWOPRMHS0005196  328.21     2.69       0          0.3        0
;NA
PWOPRMHS0005223  325.84     3.81       0          0.3        0
;NA
PWOPRMHS0005226  325.46     3.04       0          0.3        0
;NA
PWOPRMHS0005229  324.74     2.51       0          0.3        0
;NA
PWOPRMHS0005230  324.55     2.65       0          0.3        0
;NA
```

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PWOPRMHS0005231  325.24     2.4        0          0.3        0
;NA
PWOPRMHS0005906  319.63     2          0          0.3        0
;NA
PWOPRMHS0005908  318.92     2.18       0          0.3        0
;NA
PWOPRMHS0005909  318.44     2.56       0          0.3        0
;NA
PWOPRMHS0005910  318.95     2.55       0          0.3        0
;NA
PWOPRMHS0005911  319.29     2.46       0          0.3        0
;NA
PWOPRMHS0005924  318.6      2.4        0          0.3        0
;NA
PWOPRMHS0005926  318.05     2.75       0          0.3        0
;NA
PWOPRMHS0005927  317.76     2.44       0          0.3        0
;NA
PWOPRMHS0005930  317.25     2.3        0          0.3        0
;NA
PWOPRMHS0005931  317.7      2          0          0.3        0
;NA
PWOPRMHS0005932  317.88     2          0          0.3        0
;NA
PWOPRMHS0005944  318.32     2.18       0          0.3        0
;NA
PWOPRMHS0005945  318.22     2          0          0.3        0
;NA
PWOPRMHS0005946  318.5      2          0          0.3        0
SWMPOND          322        3          0          0.3        0

[OUTFALLS]
;;               Invert     Outfall    Stage/Table      Tide
;;Name           Elev.      Type       Time Series      Gate     Route To
;;-------------- ---------- ---------- ---------------- -------- ----------------
A1_OVERFLOW      317        FREE                        NO       A1
A2_OVERFLOW      329        FREE                        NO       A2
A3_OVERFLOW      326        FREE                        NO       A3
A4_OVERFLOW      317        FREE                        NO       A4
B1_OVERFLOW      324        FREE                        NO       B1
B2_OVERFLOW      322        FREE                        NO       B2
```

```
C1_OVERFLOW      319        FREE                        NO       C1
D1_OVERFLOW      324.5      FREE                        NO       D1
D2_OVERFLOW      321        FREE                        NO       D3
D3_OVERFLOW      321.5      FREE                        NO       D3
D4_OVERFLOW      318        FREE                        NO       D4
E1_OVERFLOW      314        FREE                        NO       E1
E2_OVERFLOW      313.9      FREE                        NO       E2
HanlonCreek      300        FREE                        NO

[STORAGE]
;;               Invert   Max.       Init.      Storage    Curve                                Evap.
;;Name           Elev.    Depth      Depth      Curve      Params                               Frac.
Infiltration parameters
;;-------------- -------- ---------- ---------- ---------- --------- --------- -------- -------- -------- ---------
--------------
S_A1             331      3          0          TABULAR    WetlandA1                  0        0
S_A1.1FRST       335.644  2          0          TABULAR    ForestA1.1                 0        0
S_A2             330      3          0          TABULAR    WetlandA2                  0        0
S_A2.1FRST       333.57   2          0          TABULAR    ForestA2.1                 0        0
S_A2.2FRST       333.57   2          0          TABULAR    ForestA2.2                 0        0
S_A3             326      5.5        0          TABULAR    WetlandA3                  0        0
S_A3.1FRST       332      2          0          TABULAR    ForestA3.1                 0        0
S_A3.2FRST       332      2          0          TABULAR    ForestA3.2                 0        0
S_A3.3FRST       329.1    2          0          TABULAR    ForestA3.3                 0        0
S_A4             318      5.5        0          TABULAR    WetlandA4                  0        0
S_A4.1FRST       323.404  2          0          TABULAR    ForestA4.1                 0        0
S_A4.2FRST       323.404  2          0          TABULAR    ForestA4.2                 0        0
S_A4.3FRST       323.964  2          0          TABULAR    ForestA4.3                 0        0
S_A4.4FRST       323.964  2          0          TABULAR    ForestA4.4                 0        0
S_A4.5FRST       327      2          0          TABULAR    ForestA4.5                 0        0
S_A4.6FRST       327      2          0          TABULAR    ForestA4.6                 0        0
S_B1             324      3          0          TABULAR    WetlandB1                  0        0
S_B1.1FRST       328      2          0          TABULAR    ForestB1.1                 0        0
S_B2             322      3          0          TABULAR    WetlandB2                  0        0
S_B2.1FRST       325.5    2          0          TABULAR    ForestB2.1                 0        0
S_C1             319      3          0          TABULAR    WetlandC1                  0        0
S_C1.1FRST       322.1    2          0          TABULAR    ForestC1.1                 0        0
S_D1             324.5    3          0          TABULAR    WetlandD1                  0        0
S_D1.1FRST       329.5    2          0          TABULAR    ForestD1.1                 0        0
S_D2             321      3          0          TABULAR    WetlandD2                  0        0
S_D2.1FRST       324.1    2          0          TABULAR    ForestD2.1                 0        0
```

```
S_D3            321.5    3          0          TABULAR    WetlandD3                 0        0
S_D4            318      3          0          TABULAR    WetlandD4                 0        0
S_D4.1FRST      321.1    2          0          TABULAR    ForestD4.1                0        0
S_E1            314      3          0          TABULAR    WetlandE1                 0        0
S_E1.1FRST      317.1    2          0          TABULAR    ForestE1.1                0        0
S_E2            313.9    3          0          TABULAR    WetlandE2                 0        0
S_E2.1FRST      316.95   2          0          TABULAR    ForestE2.1                0        0

[CONDUITS]
;;              Inlet            Outlet                       Manning    Inlet      Outlet     Init.      Max.
;;Name          Node             Node             Length      N          Offset     Offset     Flow       Flow
;;-------------- ---------------- ---------------- ---------- ---------- ---------- ---------- ---------- ---------
-
1               1                14               360.305    0.013      0          0          0          0
10              24               9                457.949    0.013      0          0          0          0
11              18               42               301.149    0.013      0          0          0          0
12              S_B2             22               131.83     0.013      0          0          0          0
13              19               S_B1             124.967    0.013      0          0          0          0
14              19               18               146.578    0.013      0          0          0          0
15              22               25               93.126     0.013      0          0          0          0
16              2                8                631.141    0.013      324        320.964    0          0
17              25               24               181.69     0.013      0          0          0          0
18              9                7                420.604    0.013      0          0          0          0
19              11               12               195.669    0.013      0          0          0          0
2               S_A1             3                43.668     0.013      0          0          0          0
20              12               13               179.641    0.013      0          0          0          0
21              13               53               212.047    0.013      0          0          0          0
22              S_E1             15               69.292     0.013      0          0          0          0
23              15               54               67.515     0.013      0          0          0          0
24              S_E2             17               107.785    0.013      0          0          0          0
25              26               27               458.274    0.013      0          0          0          0
26              39               21               482.961    0.013      0          0          0          0
27              27               48               289.263    0.013      0          0          0          0
28              S_D1             29               122.671    0.013      0          0          0          0
29              30               31               89.546     0.013      0          0          0          0
3               3                20               432.496    0.013      0          0          0          0
30              31               32               191.886    0.013      0          0          0          0
31              32               50               225.886    0.013      0          0          0          0
32              S_D4             34               122.316    0.013      0          0          0          0
33              34               35               72.595     0.013      0          0          0          0
34              35               36               438.635    0.013      0          0          0          0
```

35	36	13	141.013	0.013	0	0	0	0
36	14	S_A1	34.424	0.013	0	331	0	0
37	S_D3	39	91.663	0.013	0	0	0	0
38	29	21	402.301	0.013	0	0	0	0
39	21	S_D2	78.042	0.013	0	0	0	0
4	S_A2	5	94.929	0.013	0	0	0	0
40	S_D2	30	55.409	0.013	0	0	0	0
41	17	56	1006.975	0.013	0	0	0	0
43	4	37	223.1	0.013	325	324.1	0	0
44	7	S_A4	45.027	0.013	0	317	0	0
45	7	A4_OVERFLOW	60.823	0.013	318.7	0	0	0
46	14	A1_OVERFLOW	16.01	0.013	331.7	0	0	0
47	S_A4	11	355.016	0.013	317	316.607	0	0
48	20	S_A2	28.029	0.013	330.1	330	0	0
49	20	A2_OVERFLOW	32.856	0.013	330.7	330	0	0
5	5	6	219.322	0.013	0	0	0	0
50	28	S_A3	102.047	0.013	326.1	326	0	0
51	28	A3_OVERFLOW	83.104	0.013	326.7	0	0	0
52	37	S_B1	30.885	0.013	324.1	324	0	0
53	37	B1_OVERFLOW	20.838	0.013	324.7	324	0	0
54	40	S_C1	40.45	0.013	319.1	319	0	0
55	40	C1_OVERFLOW	45.312	0.013	319.7	319	0	0
56	42	B2_OVERFLOW	25.741	0.013	322.7	322	0	0
57	42	S_B2	24.015	0.013	322.1	322	0	0
58	49	S_D3	59.379	0.013	321.6	321.5	0	0
59	49	D3_OVERFLOW	57.755	0.013	322.2	321.5	0	0
6	6	28	710.032	0.013	0	0	0	0
60	48	S_D1	64.088	0.013	324.6	324.5	0	0
61	48	D1_OVERFLOW	92.338	0.013	325.2	324.5	0	0
62	21	D2_OVERFLOW	83.528	0.013	321.7	321	0	0
63	50	S_D4	36.294	0.013	318.1	318	0	0
64	50	D4_OVERFLOW	20.059	0.013	318.7	318	0	0
65	54	S_E2	8.253	0.013	313.925	313.9	0	0
66	54	E2_OVERFLOW	17.303	0.013	314.525	313.9	0	0
67	53	E1_OVERFLOW	16.462	0.013	314.7	314	0	0
68	53	S_E1	9.722	0.013	314.1	314	0	0
7	S_A3	8	610.067	0.013	0	0	0	0
70	56	HanlonCreek	345.809	0.013	301.1	301	0	0
8	8	9	403.532	0.013	0	0	0	0
9	S_C1	7	306.084	0.013	0	0	0	0

;NA

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PWOPRSES0001744  PWOPRMHS0001746  PWOPRMHS0001744  32.5       0.013      327.93     327.78     0          0
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PWOPRSES0001747  PWOPRMHS0002046  PWOPRMHS0001682  55.95      0.013      330.72     328.73     0          0
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PWOPRSES0001753  PWOPRMHS0001691  PWOPRMHS0001690  42.5       0.01       326.982    326.74     0          0
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PWOPRSES0001759  PWOPRMHS0001692  PWOPRMHS0001743  70.9       0.01       327.57     327.315    0          0
PWOPRSES0001760  PWOPRMHS0001743  PWOPRMHS0001691  18.8       0.013      327.29     327.19     0          0
PWOPRSES0001761  PWOPRMHS0001919  PWOPRMHS0001691  18.5       0.013      327.8      327.71     0          0
PWOPRSES0001765A PWOPRMHS0001740  MHSchool         46.6       0.013      328.72     328.55     0          0
PWOPRSES0001765B MHSchool         PWOPRMHS0002051  24.3       0.013      328.55     328.46     0          0
PWOPRSES0001766  PWOPRMHS0002041  MHSchool         16.96      0.013      329.07     328.87     0          0
PWOPRSES0001768  PWOPRMHS0002050  PWOPRMHS0002051  17.64      0.013      328.97     328.76     0          0
PWOPRSES0001770  PWOPRMHS0001679  PWOPRMHS0001680  13.11      0.013      335.89     335.79     0          0
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PWOPRSES0001931  PWOPRMHS0001764  PWOPRMHS0001767  85.65      0.013      327.46     327.29     0          0
;NA
PWOPRSES0001932  PWOPRMHS0001761  PWOPRMHS0001764  88.85      0.013      329.15     327.81     0          0
;NA
PWOPRSES0001941  PWOPRMHS0001937  PWOPRMHS0001925  38.71      0.013      324.28     323.37     0          0
;NA
PWOPRSES0001942  PWOPRMHS0001931  PWOPRMHS0001929  44.56      0.013      324.99     323.94     0          0
;NA
PWOPRSES0001943  PWOPRMHS0001932  PWOPRMHS0001931  46.85      0.013      325.31     325.07     0          0
;NA
PWOPRSES0001944  PWOPRMHS0001933  PWOPRMHS0001932  46.39      0.013      325.66     325.4      0          0
;NA
PWOPRSES0001951  PWOPRMHS0001941  PWOPRMHS0001943  52.5       0.013      326.79     326.42     0          0
;NA
PWOPRSES0001952  PWOPRMHS0001935  PWOPRMHS0001933  51.45      0.013      326.03     325.78     0          0
;NA
PWOPRSES0001960  PWOPRMHS0001943  PWOPRMHS0001935  54.59      0.013      326.42     326.14     0          0
;NA
PWOPRSES0001961  PWOPRMHS0001929  PWOPRMHS0001930  46.61      0.013      323.85     323.15     0          0
;NA
PWOPRSES0001962  PWOPRMHS0001944  PWOPRMHS0001928  76.81      0.013      322.64     322.28     0          0
;NA
PWOPRSES0001963  PWOPRMHS0001927  PWOPRMHS0001928  55.93      0.013      323.51     322.51     0          0
;NA
PWOPRSES0001968  PWOPRMHS0001939  PWOPRMHS0001927  46.02      0.013      327.51     323.61     0          0
;NA
PWOPRSES0001972  PWOPRMHS0001917  PWOPRMHS0001907  93.27      0.013      319.24     318.94     0          0
;NA
PWOPRSES0001976  PWOPRMHS0001918  PWOPRMHS0001912  149.66     0.013      317.81     317.52     0          0
;NA
PWOPRSES0001977  PWOPRMHS0001906  PWOPRMHS0001911  34.66      0.013      318.8      318.55     0          0
;NA
PWOPRSES0001978  PWOPRMHS0001912  11               120.189    0.013      317.51     316.6      0          0
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;NA
PWOPRSES0001979  PWOPRMHS0001911  PWOPRMHS0001912  10.97      0.013      318.49     318.36     0          0
;NA
PWOPRSES0001984  PWOPRMHS0001438  PWOPRMHS0001918  151.94     0.013      318.2      317.81     0          0
PWOPRSES0002119  PWOPRMHS0002042  PWOPRMHS0001729  74         0.013      329.56     329.23     0          0
PWOPRSES0002120  PWOPRMHS0001732  PWOPRMHS0001739  9.7        0.013      328.98     328.92     0          0
PWOPRSES0002121  PWOPRMHS0001729  PWOPRMHS0001732  18.6       0.013      329.08     329.04     0          0
PWOPRSES0002122  PWOPRMHS0001739  PWOPRMHS0001740  15.5       0.013      328.89     328.77     0          0
PWOPRSES0003435  PWOPRMHS0003137  PWOPRMHS0003136  23.4       0.013      329.5      328.99     0          0
PWOPRSES0003436  PWOPRMHS0003136  PWOPRMHS0001686  50.2       0.013      328.89     328.62     0          0
PWOPRSES0003439  PWOPRMHS0003140  PWOPRMHS0001678  48.8       0.013      327.35     327.07     0          0
PWOPRSES0003446  PWOPRMHS0003146  PWOPRMHS0003147  50.75      0.013      334.6      334.5      0          0
PWOPRSES0003447  PWOPRMHS0003147  PWOPRMHS0003148  22         0.013      333.79     332.64     0          0
PWOPRSES0003448  PWOPRMHS0003148  PWOPRMHS0003149  9.25       0.013      331.89     331.68     0          0
PWOPRSES0003449  PWOPRMHS0003149  PWOPRMHS0003137  58.3       0.013      330.86     329.6      0          0
PWOPRSES0003457  PWOPRMHS0003153  PWOPRMHS0001679  35.97      0.013      336.16     335.89     0          0
PWOPRSES0003465  PWOPRMHS0003160  PWOPRMHS0003146  19.51      0.013      335.5      335.01     0          0
PWOPRSES0003466  PWOPRMHS0001680  PWOPRMHS0003146  70.41      0.013      335.06     334.68     0          0
;NA
PWOPRSES0004584  PWOPRMHS0004135  PWOPRMHS0004134  13.2       0.013      332.43     331.94     0          0
;NA
PWOPRSES0004585  PWOPRMHS0004134  PWOPRMHS0004133  74.2       0.013      331.94     328.79     0          0
;NA
PWOPRSES0004586  PWOPRMHS0004133  PWOPRMHS0004132  16.7       0.013      328.79     328.58     0          0
;NA
PWOPRSES0004587  PWOPRMHS0004129  PWOPRMHS0004130  17.5       0.013      329.07     328.95     0          0
;NA
PWOPRSES0004588  PWOPRMHS0004130  PWOPRMHS0004131  64.7       0.013      328.83     328.57     0          0
;NA
PWOPRSES0004589  PWOPRMHS0004137  PWOPRMHS0004135  76.8       0.013      334.38     332.43     0          0
;NA
PWOPRSES0004590  PWOPRMHS0004131  PWOPRMHS0004132  24.8       0.013      328.57     328.2      0          0
;NA
PWOPRSES0004591  PWOPRMHS0004132  PWOPRMHS0004141  132.8      0.013      328.13     327.38     0          0
;NA
PWOPRSES0004592  PWOPRMHS0004141  PWOPRMHS0004142  54.6       0.013      327.38     327.07     0          0
;NA
PWOPRSES0004593  PWOPRMHS0004143  PWOPRMHS0004141  5.5        0.013      327.78     327.61     0          0
;NA
PWOPRSES0004594  PWOPRMHS0004142  PWOPRMHS0005003  173.398    0.013      327.04     326.19     0          0
;NA
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PWOPRSES0004597  PWOPRMHS0004146  PWOPRMHS0004129  75.3       0.013      332.4      329.23     0          0
;NA
PWOPRSES0004603  PWOPRMHS0004159  PWOPRMHS0004130  84.3       0.013      329.63     329.01     0          0
;NA
PWOPRSES0004637  PWOPRMHS0004201  PWOPRMHS0004132  41.8       0.013      329.52     328.58     0          0
;NA
PWOPRSES0005529  PWOPRMHS0004998  PWOPRMHS0001602  47.6       0.013      326.73     326.02     0          0
;NA
PWOPRSES0005530  PWOPRMHS0004999  PWOPRMHS0005000  20.1       0.013      327.49     327.23     0          0
;NA
PWOPRSES0005531  PWOPRMHS0005001  PWOPRMHS0005000  21.4       0.013      327.12     327.09     0          0
;NA
PWOPRSES0005532  PWOPRMHS0005000  PWOPRMHS0005003  105.011    0.013      326.99     326.19     0          0
;NA
PWOPRSES0005534  PWOPRMHS0005003  PWOPRMHS0001608  105.5      0.013      326.19     325.8      0          0
;NA
PWOPRSES0005535  PWOPRMHS0005009  PWOPRMHS0005008  117.4      0.013      339.39     338.61     0          0
;NA
PWOPRSES0005536  PWOPRMHS0005008  PWOPRMHS0005010  10.7       0.013      338.52     338.24     0          0
;NA
PWOPRSES0005537  PWOPRMHS0005010  PWOPRMHS0005011  120.5      0.013      338.14     335.07     0          0
;NA
PWOPRSES0005539  PWOPRMHS0005012  PWOPRMHS0005011  60.5       0.013      335.55     335.08     0          0
;NA
PWOPRSES0005540  PWOPRMHS0005011  PWOPRMHS0005013  6.8        0.013      334.98     334.9      0          0
;NA
PWOPRSES0005541  PWOPRMHS0005013  PWOPRMHS0004137  40.4       0.013      334.8      334.38     0          0
PWOPRSES0005710  PWOPRMHS0001713  37               161.268    0.01       325.51     324.1      0          0
;NA
PWOPRSES0005734  PWOPRMHS0005178  PWOPRMHS0004142  92.8       0.013      328.64     327.07     0          0
;NA
PWOPRSES0005735  PWOPRMHS0005181  PWOPRMHS0005179  96         0.013      326.66     326.24     0          0
;NA
PWOPRSES0005736  PWOPRMHS0005183  PWOPRMHS0005181  91         0.013      327.74     326.79     0          0
;NA
PWOPRSES0005739  PWOPRMHS0005188  PWOPRMHS0005183  99         0.01       329.94     327.74     0          0
;NA
PWOPRSES0005744  PWOPRMHS0005196  PWOPRMHS0005183  17         0.013      328.21     327.74     0          0
;NA
PWOPRSES0005766  PWOPRMHS0005179  PWOPRMHS0005223  55         0.013      326.2      325.88     0          0
;NA
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PWOPRSES0005767  PWOPRMHS0005223  PWOPRMHS0005226  71.8       0.013      325.84     325.48     0          0
;NA
PWOPRSES0005768  PWOPRMHS0005226  PWOPRMHS0005230  74.2       0.013      325.46     325.04     0          0
;NA
PWOPRSES0005769  PWOPRMHS0005230  24               335.253    0.01       324.55     320.5      0          0
;NA
PWOPRSES0005770  PWOPRMHS0005231  PWOPRMHS0005229  71.1       0.013      325.24     324.74     0          0
;NA
PWOPRSES0005771  PWOPRMHS0005229  PWOPRMHS0005230  8.6        0.01       324.74     324.59     0          0
;NA
PWOPRSES0006537  PWOPRMHS0005944  PWOPRMHS0005945  34.65      0.013      318.32     318.22     0          0
;NA
PWOPRSES0006538  PWOPRMHS0005906  PWOPRMHS0001388  81.91      0.013      319.63     319.19     0          0
;NA
PWOPRSES0006542  PWOPRMHS0005908  PWOPRMHS0005909  41.76      0.013      318.92     318.72     0          0
;NA
PWOPRSES0006547  PWOPRMHS0005911  PWOPRMHS0005910  51.83      0.013      319.29     319.05     0          0
;NA
PWOPRSES0006548  PWOPRMHS0005910  PWOPRMHS0005909  55.9       0.013      318.95     318.66     0          0
;NA
PWOPRSES0006549  PWOPRMHS0005909  PWOPRMHS0005926  56.32      0.013      318.44     318.1      0          0
;NA
PWOPRSES0006550  PWOPRMHS0005926  PWOPRMHS0005927  29.23      0.013      318.05     317.93     0          0
;NA
PWOPRSES0006551  PWOPRMHS0005924  PWOPRMHS0005927  90.05      0.013      318.6      318        0          0
;NA
PWOPRSES0006552  PWOPRMHS0005927  PWOPRMHS0005930  107.56     0.013      317.76     317.27     0          0
;NA
PWOPRSES0006553  PWOPRMHS0005930  36               354.591    0.013      317.25     315.5      0          0
;NA
PWOPRSES0006554  PWOPRMHS0005931  PWOPRMHS0005930  17.01      0.013      317.7      317.41     0          0
;NA
PWOPRSES0006555  PWOPRMHS0005932  PWOPRMHS0005930  58.07      0.013      317.88     317.37     0          0
;NA
PWOPRSES0006576  PWOPRMHS0005946  PWOPRMHS0005945  32.9       0.013      318.5      318.31     0          0
;NA
PWOPRSES0006577  PWOPRMHS0005945  PWOPRMHS0005931  82         0.013      318.22     317.74     0          0
;NA
STMEasement      MHEasement1      MHEasement2      72.3       0.013      319.07     318.7      0          0
SWMPOND_OUT      SWMPOND          24               215.307    0.013      322        320.5      0          0
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[OUTLETS]
;;                Inlet            Outlet           Outflow    Outlet           Qcoeff/                     Flap
;;Name            Node             Node             Height     Type             QTable           Qexpon     Gate
;;-------------- ---------------- ---------------- ---------- ---------------- ---------------- ---------- ----
OUT_A1.1FRST      S_A1.1FRST       1                335.644    TABULAR/DEPTH    SS_A1.1FRST                 NO
OUT_A2.1FRST      S_A2.1FRST       3                333.57     TABULAR/DEPTH    SS_A2.1FRST                 NO
OUT_A2.2FRST      S_A2.2FRST       3                333.57     TABULAR/DEPTH    SS_A2.2FRST                 NO
OUT_A3.1FRST      S_A3.1FRST       6                332        TABULAR/DEPTH    SS_A3.1FRST                 NO
OUT_A3.2FRST      S_A3.2FRST       6                332        TABULAR/DEPTH    SS_A3.2FRST                 NO
OUT_A3.3FRST      S_A3.3FRST       28               326.6      TABULAR/DEPTH    SS_A3.3FRST                 NO
OUT_A4.1FRST      S_A4.1FRST       9                323.404    TABULAR/DEPTH    SS_A4.1FRST                 NO
OUT_A4.2FRST      S_A4.2FRST       9                323.404    TABULAR/DEPTH    SS_A4.2FRST                 NO
OUT_A4.3FRST      S_A4.3FRST       8                323.964    TABULAR/DEPTH    SS_A4.3FRST                 NO
OUT_A4.4FRST      S_A4.4FRST       8                323.964    TABULAR/DEPTH    SS_A4.4FRST                 NO
OUT_A4.5FRST      S_A4.5FRST       2                327        TABULAR/DEPTH    SS_A4.5FRST                 NO
OUT_A4.6FRST      S_A4.6FRST       2                327        TABULAR/DEPTH    SS_A4.6FRST                 NO
OUT_B1.1FRST      S_B1.1FRST       4                328        TABULAR/DEPTH    SS_B1.1FRST                 NO
OUT_B2.1FRST      S_B2.1FRST       18               325.5      TABULAR/DEPTH    SS_B2.1FRST                 NO
OUT_C1.1FRST      S_C1.1FRST       40               322.1      TABULAR/DEPTH    SS_C1.1FRST                 NO
OUT_D1.1FRST      S_D1.1FRST       27               329.5      TABULAR/DEPTH    SS_D1.1FRST                 NO
OUT_D2.1FRST      S_D2.1FRST       21               324.1      TABULAR/DEPTH    SS_D2.1FRST                 NO
OUT_D4.1FRST      S_D4.1FRST       50               321.1      TABULAR/DEPTH    SS_D4.1FRST                 NO
OUT_E1.1FRST      S_E1.1FRST       53               317.1      TABULAR/DEPTH    SS_E1.1FRST                 NO
OUT_E2.1FRST      S_E2.1FRST       15               316.95     TABULAR/DEPTH    SS_E2.1FRST                 NO

[XSECTIONS]
;;Link           Shape        Geom1            Geom2      Geom3      Geom4      Barrels
;;-------------- ------------ ---------------- ---------- ---------- ---------- ----------
1                TRAPEZOIDAL  3                2          1          1          1
10               TRAPEZOIDAL  3                2          1          1          1
11               TRAPEZOIDAL  3                2          1          1          1
12               RECT_CLOSED  2                2          0          0          1
13               TRAPEZOIDAL  3                2          1          1          1
14               TRAPEZOIDAL  3                2          1          1          1
15               TRAPEZOIDAL  3                2          1          1          1
16               TRAPEZOIDAL  3                2          1          1          1
17               TRAPEZOIDAL  3                2          1          1          1
18               TRAPEZOIDAL  3                2          1          1          1
19               TRAPEZOIDAL  3                2          1          1          1
2                TRAPEZOIDAL  3                2          1          1          1
20               TRAPEZOIDAL  3                2          1          1          1
```

21	TRAPEZOIDAL	3	3	1	1	1
22	TRAPEZOIDAL	3	2	1	1	1
23	TRAPEZOIDAL	3	2	1	1	1
24	TRAPEZOIDAL	3	2	1	1	1
25	TRAPEZOIDAL	3	2	1	1	1
26	TRAPEZOIDAL	3	2	1	1	1
27	TRAPEZOIDAL	3	2	1	1	1
28	TRAPEZOIDAL	3	2	1	1	1
29	TRAPEZOIDAL	3	2	1	1	1
3	TRAPEZOIDAL	3	2	1	1	1
30	TRAPEZOIDAL	3	2	1	1	1
31	TRAPEZOIDAL	3	2	1	1	1
32	TRAPEZOIDAL	3	2	1	1	1
33	TRAPEZOIDAL	3	2	1	1	1
34	TRAPEZOIDAL	3	2	1	1	1
35	TRAPEZOIDAL	3	2	1	1	1
36	TRAPEZOIDAL	3	2	1	1	1
37	TRAPEZOIDAL	3	2	1	1	1
38	TRAPEZOIDAL	3	2	1	1	1
39	TRAPEZOIDAL	3	2	1	1	1
4	TRAPEZOIDAL	3	2	1	1	1
40	TRAPEZOIDAL	3	2	1	1	1
41	TRAPEZOIDAL	3	2	1	1	1
43	TRAPEZOIDAL	3	2	1	1	1
44	TRAPEZOIDAL	3	2	1	1	1
45	RECT_OPEN	2	15	1	0	1
46	RECT_OPEN	2	15	1	0	1
47	TRAPEZOIDAL	3	2	1	1	1
48	TRAPEZOIDAL	3	2	1	1	1
49	RECT_OPEN	2	15	1	0	1
5	TRAPEZOIDAL	3	2	1	1	1
50	TRAPEZOIDAL	3	2	1	1	1
51	RECT_OPEN	2	15	1	0	1
52	TRAPEZOIDAL	3	2	1	1	1
53	RECT_OPEN	2	15	1	0	1
54	TRAPEZOIDAL	3	2	1	1	1
55	RECT_OPEN	2	15	1	0	1
56	RECT_OPEN	2	15	1	0	1
57	TRAPEZOIDAL	3	2	1	1	1
58	TRAPEZOIDAL	3	2	1	1	1
59	RECT_OPEN	2	15	1	0	1

6	TRAPEZOIDAL	3	2	1	1	1
60	TRAPEZOIDAL	3	2	1	1	1
61	RECT_OPEN	2	15	1	0	1
62	RECT_OPEN	2	15	1	0	1
63	TRAPEZOIDAL	3	2	1	1	1
64	RECT_OPEN	2	15	1	0	1
65	TRAPEZOIDAL	3	2	1	1	1
66	RECT_OPEN	2	15	1	0	1
67	RECT_OPEN	2	15	1	0	1
68	TRAPEZOIDAL	3	2	1	1	1
7	TRAPEZOIDAL	3	2	1	1	1
70	TRAPEZOIDAL	3	2	1	1	1
8	TRAPEZOIDAL	4	2	1	1	1
9	TRAPEZOIDAL	3	2	1	1	1
PWOPRSES0001498	CIRCULAR	2	0	0	0	1
PWOPRSES0001507	CIRCULAR	2	0	0	0	1
PWOPRSES0001510	CIRCULAR	2	0	0	0	1
PWOPRSES0001511	CIRCULAR	2	0	0	0	1
PWOPRSES0001512	CIRCULAR	2	0	0	0	1
PWOPRSES0001515	CIRCULAR	2	0	0	0	1
PWOPRSES0001516	CIRCULAR	2	0	0	0	1
PWOPRSES0001518	CIRCULAR	2	0	0	0	1
PWOPRSES0001519	HORIZ_ELLIPSE	2	1.15	0	0	1
PWOPRSES0001520	CIRCULAR	2	0	0	0	1
PWOPRSES0001521	CIRCULAR	2	0	0	0	1
PWOPRSES0001522	CIRCULAR	2	0	0	0	1
PWOPRSES0001524	CIRCULAR	2	0	0	0	1
PWOPRSES0001525	CIRCULAR	2	0	0	0	1
PWOPRSES0001530	HORIZ_ELLIPSE	2	1.15	0	0	1
PWOPRSES0001534	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001535	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001536	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001537	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001538	CIRCULAR	2	0	0	0	1
PWOPRSES0001541	CIRCULAR	2	0	0	0	1
PWOPRSES0001542	CIRCULAR	2	0	0	0	1
PWOPRSES0001543	CIRCULAR	3	0	0	0	1
PWOPRSES0001544	CIRCULAR	3	0	0	0	1
PWOPRSES0001545	CIRCULAR	2	0	0	0	1
PWOPRSES0001546	CIRCULAR	2	0	0	0	1
PWOPRSES0001547	CIRCULAR	2	0	0	0	1

PWOPRSES0001548	CIRCULAR	2	0	0	0	1
PWOPRSES0001551	CIRCULAR	2	0	0	0	1
PWOPRSES0001555	CIRCULAR	2	0	0	0	1
PWOPRSES0001556	CIRCULAR	2	0	0	0	1
PWOPRSES0001557	CIRCULAR	2.5	0	0	0	1
PWOPRSES0001558	CIRCULAR	2.5	0	0	0	1
PWOPRSES0001559	CIRCULAR	2	0	0	0	1
PWOPRSES0001564	CIRCULAR	2	0	0	0	1
PWOPRSES0001565	CIRCULAR	2.5	0	0	0	1
PWOPRSES0001566	CIRCULAR	2.5	0	0	0	1
PWOPRSES0001567	CIRCULAR	2.5	0	0	0	1
PWOPRSES0001571	CIRCULAR	2	0	0	0	1
PWOPRSES0001572	CIRCULAR	2	0	0	0	1
PWOPRSES0001575	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001576	CIRCULAR	2	0	0	0	1
PWOPRSES0001577	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001579	CIRCULAR	2	0	0	0	1
PWOPRSES0001580	CIRCULAR	2	0	0	0	1
PWOPRSES0001581	CIRCULAR	2	0	0	0	1
PWOPRSES0001582	CIRCULAR	2	0	0	0	1
PWOPRSES0001583	CIRCULAR	2	0	0	0	1
PWOPRSES0001584	CIRCULAR	2	0	0	0	1
PWOPRSES0001585	CIRCULAR	2	0	0	0	1
PWOPRSES0001586	CIRCULAR	2	0	0	0	1
PWOPRSES0001587	CIRCULAR	2	0	0	0	1
PWOPRSES0001633	CIRCULAR	2	0	0	0	1
PWOPRSES0001634	CIRCULAR	2	0	0	0	1
PWOPRSES0001654	CIRCULAR	2	0	0	0	1
PWOPRSES0001655	CIRCULAR	2	0	0	0	1
PWOPRSES0001656	CIRCULAR	2	0	0	0	1
PWOPRSES0001658	CIRCULAR	2	0	0	0	1
PWOPRSES0001660	CIRCULAR	2	0	0	0	1
PWOPRSES0001662	CIRCULAR	2	0	0	0	1
PWOPRSES0001663	CIRCULAR	2	0	0	0	1
PWOPRSES0001667	CIRCULAR	2	0	0	0	1
PWOPRSES0001679	CIRCULAR	2	0	0	0	1
PWOPRSES0001680	CIRCULAR	2	0	0	0	1
PWOPRSES0001681	CIRCULAR	2	0	0	0	1
PWOPRSES0001682	CIRCULAR	2	0	0	0	1
PWOPRSES0001684	CIRCULAR	2	0	0	0	1
PWOPRSES0001687	CIRCULAR	2	0	0	0	1

PWOPRSES0001688	CIRCULAR	2	0	0	0	1
PWOPRSES0001698	CIRCULAR	2	0	0	0	1
PWOPRSES0001699	CIRCULAR	2	0	0	0	1
PWOPRSES0001711	CIRCULAR	2	0	0	0	1
PWOPRSES0001712	CIRCULAR	2	0	0	0	1
PWOPRSES0001713	CIRCULAR	2	0	0	0	1
PWOPRSES0001718	CIRCULAR	2	0	0	0	1
PWOPRSES0001720	CIRCULAR	2	0	0	0	1
PWOPRSES0001721	CIRCULAR	2	0	0	0	1
PWOPRSES0001724	HORIZ_ELLIPSE	2	1.73	0	0	1
PWOPRSES0001725	HORIZ_ELLIPSE	2	1.73	0	0	1
PWOPRSES0001728	HORIZ_ELLIPSE	2	1.73	0	0	1
PWOPRSES0001730	HORIZ_ELLIPSE	2	1.92	0	0	1
PWOPRSES0001732	CIRCULAR	2	0	0	0	1
PWOPRSES0001733	CIRCULAR	2	0	0	0	1
PWOPRSES0001744	CIRCULAR	2	0	0	0	1
PWOPRSES0001745	CIRCULAR	2	0	0	0	1
PWOPRSES0001747	CIRCULAR	2	0	0	0	1
PWOPRSES0001748	CIRCULAR	2	0	0	0	1
PWOPRSES0001750	CIRCULAR	2	0	0	0	1
PWOPRSES0001753	CIRCULAR	2	0	0	0	1
PWOPRSES0001754	CIRCULAR	2	0	0	0	1
PWOPRSES0001755	CIRCULAR	2	0	0	0	1
PWOPRSES0001756	CIRCULAR	2	0	0	0	1
PWOPRSES0001757	CIRCULAR	2	0	0	0	1
PWOPRSES0001758	CIRCULAR	2	0	0	0	1
PWOPRSES0001759	CIRCULAR	2	0	0	0	1
PWOPRSES0001760	CIRCULAR	2	0	0	0	1
PWOPRSES0001761	CIRCULAR	2	0	0	0	1
PWOPRSES0001765A	CIRCULAR	2	0	0	0	1
PWOPRSES0001765B	CIRCULAR	2	0	0	0	1
PWOPRSES0001766	CIRCULAR	2	0	0	0	1
PWOPRSES0001768	CIRCULAR	2	0	0	0	1
PWOPRSES0001770	CIRCULAR	2	0	0	0	1
PWOPRSES0001771	CIRCULAR	2	0	0	0	1
PWOPRSES0001774	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001775	HORIZ_ELLIPSE	3	1.345	0	0	1
PWOPRSES0001776	CIRCULAR	2	0	0	0	1
PWOPRSES0001777	CIRCULAR	2	0	0	0	1
PWOPRSES0001778	CIRCULAR	2	0	0	0	1
PWOPRSES0001779	HORIZ_ELLIPSE	2	1.345	0	0	1

PWOPRSES0001780	CIRCULAR	2	0	0	0	1
PWOPRSES0001781	CIRCULAR	2	0	0	0	1
PWOPRSES0001782	CIRCULAR	2	0	0	0	1
PWOPRSES0001783	CIRCULAR	2	0	0	0	1
PWOPRSES0001784	CIRCULAR	2	0	0	0	1
PWOPRSES0001785	CIRCULAR	2	0	0	0	1
PWOPRSES0001786	CIRCULAR	2	0	0	0	1
PWOPRSES0001790	CIRCULAR	2	0	0	0	1
PWOPRSES0001791	CIRCULAR	2	0	0	0	1
PWOPRSES0001797	CIRCULAR	2	0	0	0	1
PWOPRSES0001798	CIRCULAR	3	0	0	0	1
PWOPRSES0001803	CIRCULAR	2	0	0	0	1
PWOPRSES0001806	CIRCULAR	2	0	0	0	1
PWOPRSES0001807	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001808	CIRCULAR	2	0	0	0	1
PWOPRSES0001809	CIRCULAR	2	0	0	0	1
PWOPRSES0001810	CIRCULAR	2	0	0	0	1
PWOPRSES0001812	CIRCULAR	2	0	0	0	1
PWOPRSES0001819	CIRCULAR	2	0	0	0	1
PWOPRSES0001821	CIRCULAR	2	0	0	0	1
PWOPRSES0001822	CIRCULAR	2	0	0	0	1
PWOPRSES0001823	CIRCULAR	2	0	0	0	1
PWOPRSES0001824	CIRCULAR	2	0	0	0	1
PWOPRSES0001825	CIRCULAR	2	0	0	0	1
PWOPRSES0001826	CIRCULAR	2	0	0	0	1
PWOPRSES0001827	CIRCULAR	2	0	0	0	1
PWOPRSES0001828	CIRCULAR	2	0	0	0	1
PWOPRSES0001829	HORIZ_ELLIPSE	3	1.52	0	0	1
PWOPRSES0001840	CIRCULAR	2	0	0	0	1
PWOPRSES0001841	CIRCULAR	2	0	0	0	1
PWOPRSES0001842	CIRCULAR	2	0	0	0	1
PWOPRSES0001844	CIRCULAR	2	0	0	0	1
PWOPRSES0001845	CIRCULAR	2	0	0	0	1
PWOPRSES0001855	CIRCULAR	2	0	0	0	1
PWOPRSES0001856	CIRCULAR	2	0	0	0	1
PWOPRSES0001861	CIRCULAR	2	0	0	0	1
PWOPRSES0001862	CIRCULAR	2	0	0	0	1
PWOPRSES0001865	CIRCULAR	2	0	0	0	1
PWOPRSES0001866	CIRCULAR	2	0	0	0	1
PWOPRSES0001868	CIRCULAR	2	0	0	0	1
PWOPRSES0001890	CIRCULAR	2	0	0	0	1

PWOPRSES0001891	CIRCULAR	2	0	0	0	1
PWOPRSES0001892	CIRCULAR	2	0	0	0	1
PWOPRSES0001895	CIRCULAR	2	0	0	0	1
PWOPRSES0001896	CIRCULAR	2	0	0	0	1
PWOPRSES0001897	CIRCULAR	2	0	0	0	1
PWOPRSES0001899	CIRCULAR	2	0	0	0	1
PWOPRSES0001900	CIRCULAR	2	0	0	0	1
PWOPRSES0001904	CIRCULAR	2	0	0	0	1
PWOPRSES0001905	CIRCULAR	2	0	0	0	1
PWOPRSES0001906	CIRCULAR	2	0	0	0	1
PWOPRSES0001919	CIRCULAR	2	0	0	0	1
PWOPRSES0001930	CIRCULAR	2	0	0	0	1
PWOPRSES0001931	CIRCULAR	2	0	0	0	1
PWOPRSES0001932	CIRCULAR	2	0	0	0	1
PWOPRSES0001941	CIRCULAR	2	0	0	0	1
PWOPRSES0001942	CIRCULAR	2	0	0	0	1
PWOPRSES0001943	CIRCULAR	2	0	0	0	1
PWOPRSES0001944	CIRCULAR	2	0	0	0	1
PWOPRSES0001951	CIRCULAR	2	0	0	0	1
PWOPRSES0001952	CIRCULAR	2	0	0	0	1
PWOPRSES0001960	CIRCULAR	2	0	0	0	1
PWOPRSES0001961	CIRCULAR	2	0	0	0	1
PWOPRSES0001962	CIRCULAR	2	0	0	0	1
PWOPRSES0001963	CIRCULAR	2	0	0	0	1
PWOPRSES0001968	CIRCULAR	2	0	0	0	1
PWOPRSES0001972	CIRCULAR	2	0	0	0	1
PWOPRSES0001976	CIRCULAR	2.5	0	0	0	1
PWOPRSES0001977	CIRCULAR	2	0	0	0	1
PWOPRSES0001978	CIRCULAR	3	0	0	0	1
PWOPRSES0001979	CIRCULAR	2	0	0	0	1
PWOPRSES0001984	CIRCULAR	2.5	0	0	0	1
PWOPRSES0002119	CIRCULAR	2	0	0	0	1
PWOPRSES0002120	CIRCULAR	2	0	0	0	1
PWOPRSES0002121	CIRCULAR	2	0	0	0	1
PWOPRSES0002122	CIRCULAR	2	0	0	0	1
PWOPRSES0003435	CIRCULAR	2	0	0	0	1
PWOPRSES0003436	CIRCULAR	2	0	0	0	1
PWOPRSES0003439	CIRCULAR	2	0	0	0	1
PWOPRSES0003446	CIRCULAR	2	0	0	0	1
PWOPRSES0003447	CIRCULAR	2	0	0	0	1
PWOPRSES0003448	CIRCULAR	2	0	0	0	1

PWOPRSES0003449	CIRCULAR	2	0	0	0	1
PWOPRSES0003457	CIRCULAR	2	0	0	0	1
PWOPRSES0003465	CIRCULAR	2	0	0	0	1
PWOPRSES0003466	CIRCULAR	2	0	0	0	1
PWOPRSES0004584	CIRCULAR	2	0	0	0	1
PWOPRSES0004585	CIRCULAR	2	0	0	0	1
PWOPRSES0004586	CIRCULAR	2	0	0	0	1
PWOPRSES0004587	CIRCULAR	2	0	0	0	1
PWOPRSES0004588	CIRCULAR	2	0	0	0	1
PWOPRSES0004589	CIRCULAR	2	0	0	0	1
PWOPRSES0004590	CIRCULAR	2	0	0	0	1
PWOPRSES0004591	HORIZ_ELLIPSE	2	1.535	0	0	1
PWOPRSES0004592	HORIZ_ELLIPSE	2	1.535	0	0	1
PWOPRSES0004593	CIRCULAR	2	0	0	0	1
PWOPRSES0004594	HORIZ_ELLIPSE	2	1.535	0	0	1
PWOPRSES0004597	CIRCULAR	2	0	0	0	1
PWOPRSES0004603	CIRCULAR	2	0	0	0	1
PWOPRSES0004637	CIRCULAR	2	0	0	0	1
PWOPRSES0005529	CIRCULAR	2	0	0	0	1
PWOPRSES0005530	CIRCULAR	2	0	0	0	1
PWOPRSES0005531	CIRCULAR	2	0	0	0	1
PWOPRSES0005532	CIRCULAR	2	0	0	0	1
PWOPRSES0005534	CIRCULAR	2	0	0	0	1
PWOPRSES0005535	CIRCULAR	2	0	0	0	1
PWOPRSES0005536	CIRCULAR	2	0	0	0	1
PWOPRSES0005537	CIRCULAR	2	0	0	0	1
PWOPRSES0005539	CIRCULAR	2	0	0	0	1
PWOPRSES0005540	CIRCULAR	2	0	0	0	1
PWOPRSES0005541	CIRCULAR	2	0	0	0	1
PWOPRSES0005710	HORIZ_ELLIPSE	3	1.92	0	0	1
PWOPRSES0005734	CIRCULAR	2	0	0	0	1
PWOPRSES0005735	CIRCULAR	2	0	0	0	1
PWOPRSES0005736	CIRCULAR	2	0	0	0	1
PWOPRSES0005739	CIRCULAR	2	0	0	0	1
PWOPRSES0005744	CIRCULAR	2	0	0	0	1
PWOPRSES0005766	CIRCULAR	2	0	0	0	1
PWOPRSES0005767	CIRCULAR	2	0	0	0	1
PWOPRSES0005768	CIRCULAR	2	0	0	0	1
PWOPRSES0005769	CIRCULAR	3	0	0	0	1
PWOPRSES0005770	CIRCULAR	2	0	0	0	1
PWOPRSES0005771	CIRCULAR	2	0	0	0	1

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PWOPRSES0006537  CIRCULAR     2                0          0          0          1
PWOPRSES0006538  CIRCULAR     2                0          0          0          1
PWOPRSES0006542  CIRCULAR     2                0          0          0          1
PWOPRSES0006547  CIRCULAR     2                0          0          0          1
PWOPRSES0006548  CIRCULAR     2                0          0          0          1
PWOPRSES0006549  CIRCULAR     2                0          0          0          1
PWOPRSES0006550  CIRCULAR     2                0          0          0          1
PWOPRSES0006551  CIRCULAR     2                0          0          0          1
PWOPRSES0006552  CIRCULAR     2                0          0          0          1
PWOPRSES0006553  CIRCULAR     3                0          0          0          1
PWOPRSES0006554  CIRCULAR     2                0          0          0          1
PWOPRSES0006555  CIRCULAR     2                0          0          0          1
PWOPRSES0006576  CIRCULAR     2                0          0          0          1
PWOPRSES0006577  CIRCULAR     2                0          0          0          1
STMEasement      CIRCULAR     2                0          0          0          1
SWMPOND_OUT      CIRCULAR     3                0          0          0          1

[TRANSECTS]
;;Transect Data in HEC-2 format
;
;Full street, width = 8m, curb = 0.15m , cross-slope = 0.02m/m, bank-slope = 0.02m/m, bank-height = 0.3m.
NC 0.03     0.03     0.013
X1 2LaneRd           7        7.5      15.5     0.0      0.0      0.0      0.0      0.0
GR 0.3      0        0.15     7.5      0        7.5      0.08     11.5     0        15.5
GR 0.15     15.5     0.3      23
;
;Full street, width = 16m, curb = 0.15m , cross-slope = 0.02m/m, bank-slope = 0.02m/m, bank-height = 0.30m.
NC 0.03     0.03     0.013
X1 4LaneRd           7        7.5      23.5     0.0      0.0      0.0      0.0      0.0
GR 0.3      0        0.15     7.5      0        7.5      0.16     15.5     0        23.5
GR 0.15     23.5     0.3      31

[LOSSES]
;;Link           Inlet      Outlet     Average    Flap Gate  SeepageRate
;;-------------- ---------- ---------- ---------- ---------- ----------
PWOPRSES0001498  0          0.15       0          NO         0
PWOPRSES0001507  0          0.15       0          NO         0
PWOPRSES0001510  0          1          0          NO         0
PWOPRSES0001511  0          0.15       0          NO         0
PWOPRSES0001512  0          0.15       0          NO         0
PWOPRSES0001515  0          0.15       0          NO         0
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PWOPRSES0001516	0	0.15	0	NO	0
PWOPRSES0001518	0	0.15	0	NO	0
PWOPRSES0001519	0	0.15	0	NO	0
PWOPRSES0001520	0	1	0	NO	0
PWOPRSES0001521	0	0.15	0	NO	0
PWOPRSES0001522	0	0.15	0	NO	0
PWOPRSES0001524	0	1	0	NO	0
PWOPRSES0001525	0	0.15	0	NO	0
PWOPRSES0001530	0	0.15	0	NO	0
PWOPRSES0001534	0	0.15	0	NO	0
PWOPRSES0001535	0	0.15	0	NO	0
PWOPRSES0001536	0	0.15	0	NO	0
PWOPRSES0001537	0	0.15	0	NO	0
PWOPRSES0001538	0	1	0	NO	0
PWOPRSES0001541	0	0.15	0	NO	0
PWOPRSES0001542	0	1	0	NO	0
PWOPRSES0001543	0	0.15	0	NO	0
PWOPRSES0001544	0	0.15	0	NO	0
PWOPRSES0001545	0	0.15	0	NO	0
PWOPRSES0001546	0	0.75	0	NO	0
PWOPRSES0001547	0	0.75	0	NO	0
PWOPRSES0001548	0	0.15	0	NO	0
PWOPRSES0001551	0	0.75	0	NO	0
PWOPRSES0001555	0	0.15	0	NO	0
PWOPRSES0001556	0	0.75	0	NO	0
PWOPRSES0001557	0	1	0	NO	0
PWOPRSES0001558	0	0.75	0	NO	0
PWOPRSES0001559	0	0.15	0	NO	0
PWOPRSES0001564	0	1	0	NO	0
PWOPRSES0001565	0	0.75	0	NO	0
PWOPRSES0001566	0	0.75	0	NO	0
PWOPRSES0001572	0	0.75	0	NO	0
PWOPRSES0001575	0	0.15	0	NO	0
PWOPRSES0001576	0	0.15	0	NO	0
PWOPRSES0001577	0	1	0	NO	0
PWOPRSES0001579	0	0.15	0	NO	0
PWOPRSES0001580	0	0.15	0	NO	0
PWOPRSES0001581	0	0.15	0	NO	0
PWOPRSES0001582	0	0.15	0	NO	0
PWOPRSES0001583	0	0.15	0	NO	0
PWOPRSES0001584	0	1	0	NO	0

PWOPRSES0001585	0	1	0	NO	0
PWOPRSES0001586	0	1	0	NO	0
PWOPRSES0001587	0	0.15	0	NO	0
PWOPRSES0001633	0	1	0	NO	0
PWOPRSES0001634	0	1	0	NO	0
PWOPRSES0001654	0	0.75	0	NO	0
PWOPRSES0001655	0	1	0	NO	0
PWOPRSES0001656	0	0.15	0	NO	0
PWOPRSES0001658	0	0.85	0	NO	0
PWOPRSES0001660	0	1	0	NO	0
PWOPRSES0001662	0	0.75	0	NO	0
PWOPRSES0001679	0	1	0	NO	0
PWOPRSES0001680	0	1	0	NO	0
PWOPRSES0001681	0	0.15	0	NO	0
PWOPRSES0001682	0	0.15	0	NO	0
PWOPRSES0001684	0	1	0	NO	0
PWOPRSES0001687	0	0.85	0	NO	0
PWOPRSES0001688	0	0.75	0	NO	0
PWOPRSES0001698	0	0.75	0	NO	0
PWOPRSES0001699	0	0.75	0	NO	0
PWOPRSES0001711	0	0.15	0	NO	0
PWOPRSES0001712	0	0.75	0	NO	0
PWOPRSES0001713	0	0.75	0	NO	0
PWOPRSES0001724	0	0.85	0	NO	0
PWOPRSES0001725	0	0.75	0	NO	0
PWOPRSES0001728	0	0.75	0	NO	0
PWOPRSES0001730	0	0.15	0	NO	0
PWOPRSES0001732	0	0.75	0	NO	0
PWOPRSES0001733	0	0.75	0	NO	0
PWOPRSES0001744	0	0.75	0	NO	0
PWOPRSES0001745	0	0.75	0	NO	0
PWOPRSES0001747	0	0.15	0	NO	0
PWOPRSES0001748	0	0.15	0	NO	0
PWOPRSES0001750	0	0.75	0	NO	0
PWOPRSES0001753	0	0.75	0	NO	0
PWOPRSES0001754	0	1	0	NO	0
PWOPRSES0001755	0	0.45	0	NO	0
PWOPRSES0001756	0	0.75	0	NO	0
PWOPRSES0001757	0	0.45	0	NO	0
PWOPRSES0001758	0	0.15	0	NO	0
PWOPRSES0001759	0	0.75	0	NO	0

PWOPRSES0001760	0	0.75	0	NO	0
PWOPRSES0001761	0	0.75	0	NO	0
PWOPRSES0001765A	0	0.15	0	NO	0
PWOPRSES0001765B	0	0.15	0	NO	0
PWOPRSES0001768	0	0.75	0	NO	0
PWOPRSES0001770	0	0.75	0	NO	0
PWOPRSES0001771	0	0.75	0	NO	0
PWOPRSES0001775	0	0.15	0	NO	0
PWOPRSES0001776	0	0.15	0	NO	0
PWOPRSES0001777	0	0.75	0	NO	0
PWOPRSES0001778	0	0.75	0	NO	0
PWOPRSES0001779	0	0.75	0	NO	0
PWOPRSES0001780	0	0.75	0	NO	0
PWOPRSES0001781	0	0.75	0	NO	0
PWOPRSES0001782	0	0.75	0	NO	0
PWOPRSES0001783	0	0.15	0	NO	0
PWOPRSES0001784	0	0.15	0	NO	0
PWOPRSES0001785	0	1	0	NO	0
PWOPRSES0001786	0	0.15	0	NO	0
PWOPRSES0001797	0	0.75	0	NO	0
PWOPRSES0001798	0	0.15	0	NO	0
PWOPRSES0001803	0	0.15	0	NO	0
PWOPRSES0001806	0	0.15	0	NO	0
PWOPRSES0001807	0	0.15	0	NO	0
PWOPRSES0001808	0	1	0	NO	0
PWOPRSES0001809	0	0.15	0	NO	0
PWOPRSES0001810	0	1	0	NO	0
PWOPRSES0001812	0	1	0	NO	0
PWOPRSES0001819	0	0.15	0	NO	0
PWOPRSES0001821	0	0.15	0	NO	0
PWOPRSES0001822	0	0.85	0	NO	0
PWOPRSES0001823	0	0.75	0	NO	0
PWOPRSES0001824	0	0.75	0	NO	0
PWOPRSES0001825	0	0.15	0	NO	0
PWOPRSES0001826	0	0.75	0	NO	0
PWOPRSES0001827	0	0.15	0	NO	0
PWOPRSES0001828	0	1	0	NO	0
PWOPRSES0001829	0	0.15	0	NO	0
PWOPRSES0001844	0	0.75	0	NO	0
PWOPRSES0001845	0	0.15	0	NO	0
PWOPRSES0001855	0	0.75	0	NO	0

PWOPRSES0001856	0	1	0	NO	0
PWOPRSES0001861	0	0.15	0	NO	0
PWOPRSES0001862	0	0.75	0	NO	0
PWOPRSES0001865	0	0.15	0	NO	0
PWOPRSES0001866	0	1	0	NO	0
PWOPRSES0001868	0	0.75	0	NO	0
PWOPRSES0001890	0	0.15	0	NO	0
PWOPRSES0001891	0	0.75	0	NO	0
PWOPRSES0001892	0	0.75	0	NO	0
PWOPRSES0001895	0	0.75	0	NO	0
PWOPRSES0001896	0	0.15	0	NO	0
PWOPRSES0001897	0	0.85	0	NO	0
PWOPRSES0001899	0	0.75	0	NO	0
PWOPRSES0001900	0	0.15	0	NO	0
PWOPRSES0001904	0	1	0	NO	0
PWOPRSES0001905	0	0.15	0	NO	0
PWOPRSES0001906	0	1	0	NO	0
PWOPRSES0001919	0	0.45	0	NO	0
PWOPRSES0001930	0	1	0	NO	0
PWOPRSES0001931	0	0.15	0	NO	0
PWOPRSES0001932	0	0.15	0	NO	0
PWOPRSES0001941	0	0.15	0	NO	0
PWOPRSES0001942	0	0.15	0	NO	0
PWOPRSES0001943	0	0.15	0	NO	0
PWOPRSES0001944	0	0.15	0	NO	0
PWOPRSES0001951	0	0.15	0	NO	0
PWOPRSES0001952	0	0.15	0	NO	0
PWOPRSES0001960	0	0.15	0	NO	0
PWOPRSES0001961	0	0.15	0	NO	0
PWOPRSES0001962	0	1	0	NO	0
PWOPRSES0001963	0	0.15	0	NO	0
PWOPRSES0001968	0	0.15	0	NO	0
PWOPRSES0001972	0	0.75	0	NO	0
PWOPRSES0001976	0	0.15	0	NO	0
PWOPRSES0001977	0	0.75	0	NO	0
PWOPRSES0001978	0	0.15	0	NO	0
PWOPRSES0001979	0	0.75	0	NO	0
PWOPRSES0001984	0	0.15	0	NO	0
PWOPRSES0002119	0	0.75	0	NO	0
PWOPRSES0002120	0	0.75	0	NO	0
PWOPRSES0002121	0	0.75	0	NO	0

PWOPRSES0002122	0	0.75	0	NO	0
PWOPRSES0003435	0	0.75	0	NO	0
PWOPRSES0003436	0	0.75	0	NO	0
PWOPRSES0003439	0	0.75	0	NO	0
PWOPRSES0003446	0	0.45	0	NO	0
PWOPRSES0003447	0	0.75	0	NO	0
PWOPRSES0003448	0	0.75	0	NO	0
PWOPRSES0003449	0	0.75	0	NO	0
PWOPRSES0003457	0	0.75	0	NO	0
PWOPRSES0003465	0	0.75	0	NO	0
PWOPRSES0003466	0	0.75	0	NO	0
PWOPRSES0004584	0	0.75	0	NO	0
PWOPRSES0004585	0	0.75	0	NO	0
PWOPRSES0004586	0	0.75	0	NO	0
PWOPRSES0004587	0	0.75	0	NO	0
PWOPRSES0004588	0	0.75	0	NO	0
PWOPRSES0004589	0	0.75	0	NO	0
PWOPRSES0004590	0	0.75	0	NO	0
PWOPRSES0004591	0	0.15	0	NO	0
PWOPRSES0004592	0	0.75	0	NO	0
PWOPRSES0004593	0	1	0	NO	0
PWOPRSES0004594	0	0.15	0	NO	0
PWOPRSES0004603	0	0.15	0	NO	0
PWOPRSES0004637	0	0.15	0	NO	0
PWOPRSES0005529	0	1	0	NO	0
PWOPRSES0005530	0	0.85	0	NO	0
PWOPRSES0005531	0	0.45	0	NO	0
PWOPRSES0005532	0	0.15	0	NO	0
PWOPRSES0005534	0	0.75	0	NO	0
PWOPRSES0005535	0	0.75	0	NO	0
PWOPRSES0005536	0	0.45	0	NO	0
PWOPRSES0005537	0	0.15	0	NO	0
PWOPRSES0005539	0	0.85	0	NO	0
PWOPRSES0005540	0	0.75	0	NO	0
PWOPRSES0005541	0	0.45	0	NO	0
PWOPRSES0005710	0	0.15	0	NO	0
PWOPRSES0005734	0	0.75	0	NO	0
PWOPRSES0005735	0	0.85	0	NO	0
PWOPRSES0005736	0	0.45	0	NO	0
PWOPRSES0005739	0	0.15	0	NO	0
PWOPRSES0005744	0	0.75	0	NO	0

```
PWOPRSES0005766  0          0.45       0          NO         0
PWOPRSES0005767  0          0.15       0          NO         0
PWOPRSES0005768  0          0.15       0          NO         0
PWOPRSES0005769  0          0.15       0          NO         0
PWOPRSES0005770  0          0.15       0          NO         0
PWOPRSES0005771  0          1          0          NO         0
PWOPRSES0006537  0          1          0          NO         0
PWOPRSES0006538  0          1          0          NO         0
PWOPRSES0006542  0          1          0          NO         0
PWOPRSES0006547  0          0.15       0          NO         0
PWOPRSES0006548  0          1          0          NO         0
PWOPRSES0006549  0          0.15       0          NO         0
PWOPRSES0006550  0          0.15       0          NO         0
PWOPRSES0006551  0          1          0          NO         0
PWOPRSES0006552  0          1          0          NO         0
PWOPRSES0006553  0          0.15       0          NO         0
PWOPRSES0006554  0          1          0          NO         0
PWOPRSES0006555  0          0.15       0          NO         0
PWOPRSES0006576  0          0.15       0          NO         0
PWOPRSES0006577  0          0.15       0          NO         0
STMEasement      0          0.15       0          NO         0

[CURVES]
;;Name           Type       X-Value    Y-Value
;;-------------- ---------- ---------- ----------
10CBs            Rating     0          0
10CBs                       0.02       0.6
10CBs                       0.3        0.6

11CBs            Rating     0          0
11CBs                       0.02       0.66
11CBs                       0.3        0.66

12CBs            Rating     0          0
12CBs                       0.02       0.72
12CBs                       0.3        0.72

13CBs            Rating     0          0
13CBs                       0.02       0.78
13CBs                       0.3        0.78
```

```
14CBs           Rating     0          0
14CBs                      0.02       0.84
14CBs                      0.3        0.84

15CBs           Rating     0          0
15CBs                      0.02       0.9
15CBs                      0.3        0.9

16CBs           Rating     0          0
16CBs                      0.02       0.96
16CBs                      0.3        0.96

17CBs           Rating     0          0
17CBs                      0.02       1.02
17CBs                      0.3        1.02

18CBs           Rating     0          0
18CBs                      0.02       1.08
18CBs                      0.3        1.08

1CBs            Rating     0          0
1CBs                       0.01       0.06
1CBs                       0.3        0.06

21CBs           Rating     0          0
21CBs                      0.02       1.26
21CBs                      0.3        1.26

27CBs           Rating     0          0
27CBs                      0.02       1.62
27CBs                      0.3        1.62

2CBs            Rating     0          0
2CBs                       0.01       0.12
2CBs                       0.3        0.12

3CBs            Rating     0          0
3CBs                       0.01       0.18
3CBs                       0.3        0.18

4CBs            Rating     0          0
4CBs                       0.01       0.24
```

```
4CBs                        0.3        0.24

5CBs             Rating     0          0
5CBs                        0.01       0.3
5CBs                        0.3        0.3

6CBs             Rating     0          0
6CBs                        0.01       0.36
6CBs                        0.3        0.36

7CBs             Rating     0          0
7CBs                        0.01       0.42
7CBs                        0.3        0.42

8CBs             Rating     0          0
8CBs                        0.01       0.48
8CBs                        0.3        0.48

9CBs             Rating     0          0
9CBs                        0.01       0.54
9CBs                        0.3        0.54

SS_A1.1FRST      Rating     0          0
SS_A1.1FRST                 0.5        0.18
SS_A1.1FRST                 1          0.36

SS_A2.1FRST      Rating     0          0
SS_A2.1FRST                 0.5        0.15
SS_A2.1FRST                 1          0.29

SS_A2.2FRST      Rating     0          0
SS_A2.2FRST                 0.5        0.11
SS_A2.2FRST                 1          0.2

SS_A3.1FRST      Rating     0          0
SS_A3.1FRST                 0.5        0.44
SS_A3.1FRST                 1          0.99

SS_A3.2FRST      Rating     0          0
SS_A3.2FRST                 0.5        0.15
SS_A3.2FRST                 1          0.55
```

```
SS_A3.3FRST      Rating     0          0
SS_A3.3FRST                 0.5        0.22
SS_A3.3FRST                 1          0.94

SS_A4.1FRST      Rating     0          0
SS_A4.1FRST                 0.5        0.17
SS_A4.1FRST                 1          0.5

SS_A4.2FRST      Rating     0          0
SS_A4.2FRST                 0.5        0.55
SS_A4.2FRST                 1          1.18

SS_A4.3FRST      Rating     0          0
SS_A4.3FRST                 0.5        0.12
SS_A4.3FRST                 1          0.52

SS_A4.4FRST      Rating     0          0
SS_A4.4FRST                 0.5        0.15
SS_A4.4FRST                 1          0.79

SS_A4.5FRST      Rating     0          0
SS_A4.5FRST                 0.5        0.52
SS_A4.5FRST                 1          1.28

SS_A4.6FRST      Rating     0          0
SS_A4.6FRST                 0.5        0.64
SS_A4.6FRST                 1          2.94

SS_B1.1FRST      Rating     0          0
SS_B1.1FRST                 0.5        0.19
SS_B1.1FRST                 1          0.38

SS_B2.1FRST      Rating     0          0
SS_B2.1FRST                 0.5        0.4
SS_B2.1FRST                 1          0.81

SS_C1.1FRST      Rating     0          0
SS_C1.1FRST                 0.5        0.14
SS_C1.1FRST                 1          0.26

SS_D1.1FRST      Rating     0          0
SS_D1.1FRST                 0.5        0.44
```

```
SS_D1.1FRST                 1          1.57

SS_D2.1FRST      Rating     0          0
SS_D2.1FRST                 0.5        0.23
SS_D2.1FRST                 1          0.91

SS_D4.1FRST      Rating     0          0
SS_D4.1FRST                 0.5        0.21
SS_D4.1FRST                 1          0.81

SS_E1.1FRST      Rating     0          0
SS_E1.1FRST                 0.5        0.48
SS_E1.1FRST                 1          1.78

SS_E2.1FRST      Rating     0          0
SS_E2.1FRST                 0.5        0.05
SS_E2.1FRST                 1          0.09

SWM28RC          Rating     0          0
SWM28RC                     0.615      0
SWM28RC                     0.8        0
SWM28RC                     0.9        0
SWM28RC                     1          0
SWM28RC                     1.1        0.005
SWM28RC                     1.2        0.061
SWM28RC                     1.3        0.088
SWM28RC                     1.4        0.108
SWM28RC                     1.5        0.778
SWM28RC                     1.6        0.814
SWM28RC                     1.7        0.848
SWM28RC                     1.8        0.881
SWM28RC                     1.9        0.912
SWM28RC                     2          0.943
SWM28RC                     2.1        0.972
SWM28RC                     2.2        1.001
SWM28RC                     2.3        1.029
SWM28RC                     2.4        1.056
SWM28RC                     2.5        1.082
SWM28RC                     2.6        1.108
SWM28RC                     2.7        1.133
SWM28RC                     2.8        1.158
```

```
;Represents outflow via CB outlets to sewer.  Assumption CBs are at same level as PP (makes sense) - survey shows
them lower, which in turn doesn't match the photos in inventory.
SWM4RC          Rating     0          0
SWM4RC                     1.25       0
SWM4RC                     1.27       0.024
SWM4RC                     1.31       0.078
SWM4RC                     1.33       0.12
SWM4RC                     1.38       0.24
SWM4RC                     1.45       0.48
SWM4RC                     1.55       1.02
SWM4RC                     1.59       1.2
SWM4RC                     1.73       2.4
SWM4RC                     1.85       3.6
SWM4RC                     2          4.8

ForestA1.1      Storage    0          33
ForestA1.1                 0.5        67
ForestA1.1                 1          100

ForestA2.1      Storage    0          33
ForestA2.1                 0.5        67
ForestA2.1                 1          100

ForestA2.2      Storage    0          33
ForestA2.2                 0.5        67
ForestA2.2                 1          100

ForestA3.1      Storage    0          133
ForestA3.1                 0.5        267
ForestA3.1                 1          400

ForestA3.2      Storage    0          117
ForestA3.2                 0.5        233
ForestA3.2                 1          350

ForestA3.3      Storage    0          567
ForestA3.3                 0.5        1133
ForestA3.3                 1          1700

ForestA4.1      Storage    0          150
ForestA4.1                 0.5        300
```

```
ForestA4.1                  1          450

ForestA4.2       Storage    0          283
ForestA4.2                  0.5        567
ForestA4.2                  1          850

ForestA4.3       Storage    0          33
ForestA4.3                  0.5        67
ForestA4.3                  1          100

ForestA4.4       Storage    0          33
ForestA4.4                  0.5        67
ForestA4.4                  1          100

ForestA4.5       Storage    0          133
ForestA4.5                  0.5        267
ForestA4.5                  1          400

ForestA4.6       Storage    0          33
ForestA4.6                  0.5        67
ForestA4.6                  1          100

ForestB1.1       Storage    0          33
ForestB1.1                  0.5        67
ForestB1.1                  1          100

ForestB2.1       Storage    0          333
ForestB2.1                  0.5        667
ForestB2.1                  1          1000

ForestC1.1       Storage    0          33
ForestC1.1                  0.5        67
ForestC1.1                  1          100

ForestD1.1       Storage    0          33
ForestD1.1                  0.5        67
ForestD1.1                  1          100

ForestD2.1       Storage    0          33
ForestD2.1                  0.5        67
ForestD2.1                  1          100
```

```
ForestD4.1       Storage    0          33
ForestD4.1                  0.5        67
ForestD4.1                  1          100

ForestE1.1       Storage    0          933
ForestE1.1                  0.5        1867
ForestE1.1                  1          2800

ForestE2.1       Storage    0          33
ForestE2.1                  0.5        67
ForestE2.1                  1          100

ParkStorage      Storage    0          0
ParkStorage                 0.7        900
ParkStorage                 1          16500
ParkStorage                 1.2        29000

SWM28            Storage    0          3450
SWM28                       0.615      3450
SWM28                       0.8        8500
SWM28                       0.9        8500
SWM28                       1          8500
SWM28                       1.1        8500
SWM28                       1.2        8500
SWM28                       1.3        8500
SWM28                       1.4        8500
SWM28                       1.5        8500
SWM28                       1.6        8500
SWM28                       1.7        8500
SWM28                       1.8        8500
SWM28                       1.9        8500
SWM28                       2          8500
SWM28                       2.1        8500
SWM28                       2.2        8500
SWM28                       2.3        8500
SWM28                       2.4        8500
SWM28                       2.5        8500
SWM28                       2.6        8500
SWM28                       2.7        8500
SWM28                       2.8        8500
```

```
;Approximated from TSH report base mapping.  Note that pipe inlet is partially submerged according to photos and
survey.  Dead storage has to be incorporated to allow inlet to discharge into pond below surface WL.  Assuming same
surface area between spillway height and very top (the approx 62.0 feet shown on as-built drawing)
SWM4Storage      Storage    0          1900
SWM4Storage                 1.25       1900
SWM4Storage                 1.55       2400
SWM4Storage                 2          2400

;Depth-Area relationship for forebay area of SWM Pond 7
SWM7FB           Storage    0          285
SWM7FB                      1          560

;Stage-Storage relationship for main cell of SWM Pond 7
SWM7MC           Storage    0          4235
SWM7MC                      1          4925

WetlandA1        Storage    0          0
WetlandA1                   0.5        1993
WetlandA1                   1          10128
WetlandA1                   1.5        19123
WetlandA1                   2          72071
WetlandA1                   2.5        81823
WetlandA1                   3          82759

WetlandA2        Storage    0          0
WetlandA2                   0.5        43647
WetlandA2                   1          98288
WetlandA2                   1.5        113931
WetlandA2                   2          114893
WetlandA2                   2.5        114932
WetlandA2                   3          114932

WetlandA3        Storage    0          12203
WetlandA3                   0.5        31285
WetlandA3                   1          84316
WetlandA3                   1.5        119057
WetlandA3                   2          147660
WetlandA3                   2.5        182929
WetlandA3                   3          251326
WetlandA3                   3.5        340723
WetlandA3                   4          451413
WetlandA3                   4.5        540607
```

```
WetlandA3                   5          566035
WetlandA3                   5.5        567097

WetlandA4        Storage    0          22748
WetlandA4                   0.5        37777
WetlandA4                   1          56843
WetlandA4                   1.5        85353
WetlandA4                   2          136310
WetlandA4                   2.5        254969
WetlandA4                   3          366650
WetlandA4                   3.5        464859
WetlandA4                   4          572352
WetlandA4                   4.5        643960
WetlandA4                   5          729815
WetlandA4                   5.5        794027

WetlandB1        Storage    0          748
WetlandB1                   0.5        2179
WetlandB1                   1          4353
WetlandB1                   1.5        18749
WetlandB1                   2          29524
WetlandB1                   2.5        30815
WetlandB1                   3          30837

WetlandB2        Storage    0          0
WetlandB2                   0.5        24588
WetlandB2                   1          28790
WetlandB2                   1.5        29102
WetlandB2                   2          29102
WetlandB2                   2.5        29102
WetlandB2                   3          29102

WetlandC1        Storage    0          0
WetlandC1                   0.5        2567
WetlandC1                   1          10045
WetlandC1                   1.5        21166
WetlandC1                   2          30166
WetlandC1                   2.5        31435
WetlandC1                   3          31518

WetlandD1        Storage    0          0
```

```
WetlandD1                   0.5        13522
WetlandD1                   1          58665
WetlandD1                   1.5        127160
WetlandD1                   2          131458
WetlandD1                   2.5        131580
WetlandD1                   3          131580

WetlandD2        Storage    0          650
WetlandD2                   0.5        7394
WetlandD2                   1          48890
WetlandD2                   1.5        89082
WetlandD2                   2          133528
WetlandD2                   2.5        153565
WetlandD2                   3          162160

WetlandD3        Storage    0          0
WetlandD3                   0.5        1820
WetlandD3                   1          46389
WetlandD3                   1.5        54012
WetlandD3                   2          56062
WetlandD3                   2.5        56124
WetlandD3                   3          56124

WetlandD4        Storage    0          157
WetlandD4                   0.5        10443
WetlandD4                   1          14310
WetlandD4                   1.5        30878
WetlandD4                   2          33670
WetlandD4                   2.5        34949
WetlandD4                   3          35215

WetlandE1        Storage    0          0
WetlandE1                   0.5        7717.148314
WetlandE1                   1          17612.80256
WetlandE1                   1.5        25586.52171
WetlandE1                   2          28587
WetlandE1                   2.5        29290
WetlandE1                   3          29297

WetlandE2        Storage    0          0
WetlandE2                   0.5        6088.864713
```

```
WetlandE2                   1          7509.22668
WetlandE2                   1.5        7840
WetlandE2                   2          7885
WetlandE2                   2.5        7885
WetlandE2                   3          7885

WetlandE3        Storage    0          262.986564
WetlandE3                   1          8013.773861
WetlandE3                   2          17068.55258
WetlandE3                   3          23881.86007
WetlandE3                   4          31930.37758
WetlandE3                   5          45851.68924
WetlandE3                   6          59052.95639
WetlandE3                   7          67360.7874
WetlandE3                   8          77508.42571
WetlandE3                   9          80545.00609
WetlandE3                   10         92149.70895
WetlandE3                   11         108177.4222

[TIMESERIES]
;;Name           Date       Time       Value
;;-------------- ---------- ---------- ----------
;Guelph IDF Curve
AES12hour_100yr             0:15       1.01
AES12hour_100yr             0:30       1.01
AES12hour_100yr             0:45       1.01
AES12hour_100yr             1:00       1.01
AES12hour_100yr             1:15       1.01
AES12hour_100yr             1:30       1.01
AES12hour_100yr             1:45       1.01
AES12hour_100yr             2:00       1.01
AES12hour_100yr             2:15       5.81
AES12hour_100yr             2:30       5.81
AES12hour_100yr             2:45       5.81
AES12hour_100yr             3:00       5.81
AES12hour_100yr             3:15       16.65
AES12hour_100yr             3:30       16.65
AES12hour_100yr             3:45       16.65
AES12hour_100yr             4:00       16.65
AES12hour_100yr             4:15       44.93
AES12hour_100yr             4:30       44.93
```

```
AES12hour_100yr             4:45       44.93
AES12hour_100yr             5:00       44.93
AES12hour_100yr             5:15       12.74
AES12hour_100yr             5:30       12.74
AES12hour_100yr             5:45       12.74
AES12hour_100yr             6:00       12.74
AES12hour_100yr             6:15       6.82
AES12hour_100yr             6:30       6.82
AES12hour_100yr             6:45       6.82
AES12hour_100yr             7:00       6.82
AES12hour_100yr             7:15       3.91
AES12hour_100yr             7:30       3.91
AES12hour_100yr             7:45       3.91
AES12hour_100yr             8:00       3.91
AES12hour_100yr             8:15       1.90
AES12hour_100yr             8:30       1.90
AES12hour_100yr             8:45       1.90
AES12hour_100yr             9:00       1.90
AES12hour_100yr             9:15       1.01
AES12hour_100yr             9:30       1.01
AES12hour_100yr             9:45       1.01
AES12hour_100yr             10:00      1.01
AES12hour_100yr             10:15      1.01
AES12hour_100yr             10:30      1.01
AES12hour_100yr             10:45      1.01
AES12hour_100yr             11:00      1.01
AES12hour_100yr             11:15      1.01
AES12hour_100yr             11:30      1.01
AES12hour_100yr             11:45      1.01
AES12hour_100yr             12:00      1.01

;Guelph IDF Curve
AES6hour_100yr              0:15       1.865082087
AES6hour_100yr              0:30       1.865082087
AES6hour_100yr              0:45       1.865082087
AES6hour_100yr              1:00       1.865082087
AES6hour_100yr              1:15       11.19049252
AES6hour_100yr              1:30       11.19049252
AES6hour_100yr              1:45       31.70639362
AES6hour_100yr              2:00       31.70639362
AES6hour_100yr              2:15       85.79376981
```

AES6hour_100yr	2:30	85.79376981
AES6hour_100yr	2:45	24.24606527
AES6hour_100yr	3:00	24.24606527
AES6hour_100yr	3:15	13.05557399
AES6hour_100yr	3:30	13.05557399
AES6hour_100yr	3:45	7.460328346
AES6hour_100yr	4:00	7.460328346
AES6hour_100yr	4:15	3.730164173
AES6hour_100yr	4:30	3.730164173
AES6hour_100yr	4:45	1.865082087
AES6hour_100yr	5:00	1.865082087
AES6hour_100yr	5:15	1.865082087
AES6hour_100yr	5:30	1.865082087
AES6hour_100yr	5:45	1.865082087
AES6hour_100yr	6:00	1.865082087

CC_AES12hour_100yr	0:15	1.78
CC_AES12hour_100yr	0:30	1.78
CC_AES12hour_100yr	0:45	1.78
CC_AES12hour_100yr	1:00	1.78
CC_AES12hour_100yr	1:15	1.78
CC_AES12hour_100yr	1:30	1.78
CC_AES12hour_100yr	1:45	1.78
CC_AES12hour_100yr	2:00	1.78
CC_AES12hour_100yr	2:15	10.26
CC_AES12hour_100yr	2:30	10.26
CC_AES12hour_100yr	2:45	10.26
CC_AES12hour_100yr	3:00	10.26
CC_AES12hour_100yr	3:15	29.40
CC_AES12hour_100yr	3:30	29.40
CC_AES12hour_100yr	3:45	29.40
CC_AES12hour_100yr	4:00	29.40
CC_AES12hour_100yr	4:15	79.33
CC_AES12hour_100yr	4:30	79.33
CC_AES12hour_100yr	4:45	79.33
CC_AES12hour_100yr	5:00	79.33
CC_AES12hour_100yr	5:15	22.50
CC_AES12hour_100yr	5:30	22.50
CC_AES12hour_100yr	5:45	22.50
CC_AES12hour_100yr	6:00	22.50
CC_AES12hour_100yr	6:15	12.04

CC_AES12hour_100yr	6:30	12.04
CC_AES12hour_100yr	6:45	12.04
CC_AES12hour_100yr	7:00	12.04
CC_AES12hour_100yr	7:15	6.91
CC_AES12hour_100yr	7:30	6.91
CC_AES12hour_100yr	7:45	6.91
CC_AES12hour_100yr	8:00	6.91
CC_AES12hour_100yr	8:15	3.35
CC_AES12hour_100yr	8:30	3.35
CC_AES12hour_100yr	8:45	3.35
CC_AES12hour_100yr	9:00	3.35
CC_AES12hour_100yr	9:15	1.78
CC_AES12hour_100yr	9:30	1.78
CC_AES12hour_100yr	9:45	1.78
CC_AES12hour_100yr	10:00	1.78
CC_AES12hour_100yr	10:15	1.78
CC_AES12hour_100yr	10:30	1.78
CC_AES12hour_100yr	10:45	1.78
CC_AES12hour_100yr	11:00	1.78
CC_AES12hour_100yr	11:15	1.78
CC_AES12hour_100yr	11:30	1.78
CC_AES12hour_100yr	11:45	1.78
CC_AES12hour_100yr	12:00	1.78

Guelph100Y	01/19/2010 0:00	0
Guelph100Y	01/19/2010 0:05	3.05
Guelph100Y	01/19/2010 0:10	3.33
Guelph100Y	01/19/2010 0:15	3.7
Guelph100Y	01/19/2010 0:20	4.14
Guelph100Y	01/19/2010 0:25	4.68
Guelph100Y	01/19/2010 0:30	5.34
Guelph100Y	01/19/2010 0:35	6.18
Guelph100Y	01/19/2010 0:40	7.26
Guelph100Y	01/19/2010 0:45	8.89
Guelph100Y	01/19/2010 0:50	10.63
Guelph100Y	01/19/2010 0:55	13.39
Guelph100Y	01/19/2010 1:00	17.51
Guelph100Y	01/19/2010 1:05	24.1
Guelph100Y	01/19/2010 1:10	35.69
Guelph100Y	01/19/2010 1:15	59.35
Guelph100Y	01/19/2010 1:20	121.59

Guelph100Y	01/19/2010 1:25	239.35
Guelph100Y	01/19/2010 1:30	137.52
Guelph100Y	01/19/2010 1:35	80.54
Guelph100Y	01/19/2010 1:40	53.35
Guelph100Y	01/19/2010 1:45	38.19
Guelph100Y	01/19/2010 1:50	28.84
Guelph100Y	01/19/2010 1:55	22.65
Guelph100Y	01/19/2010 2:00	18.33
Guelph100Y	01/19/2010 2:05	15.19
Guelph100Y	01/19/2010 2:10	12.83
Guelph100Y	01/19/2010 2:15	11
Guelph100Y	01/19/2010 2:20	9.56
Guelph100Y	01/19/2010 2:25	8.41
Guelph100Y	01/19/2010 2:30	7.46
Guelph100Y	01/19/2010 2:35	6.68
Guelph100Y	01/19/2010 2:40	6.02
Guelph100Y	01/19/2010 2:45	5.49
Guelph100Y	01/19/2010 2:50	4.99
Guelph100Y	01/19/2010 2:55	4.58
Guelph100Y	01/19/2010 3:00	4.22
Guelph100Y	01/19/2010 3:05	3.91
Guelph100Y	01/19/2010 3:10	3.63
Guelph100Y	01/19/2010 3:15	3.38
Guelph100Y	01/19/2010 3:20	3.17
Guelph100Y	01/19/2010 3:25	3.05
Guelph100Y	01/19/2010 3:30	0
Guelph5Y	01/19/2010 0:00	0
Guelph5Y	01/19/2010 0:05	3.06
Guelph5Y	01/19/2010 0:10	3.35
Guelph5Y	01/19/2010 0:15	3.7
Guelph5Y	01/19/2010 0:20	4.13
Guelph5Y	01/19/2010 0:25	4.68
Guelph5Y	01/19/2010 0:30	5.37
Guelph5Y	01/19/2010 0:35	6.3
Guelph5Y	01/19/2010 0:40	7.59
Guelph5Y	01/19/2010 0:45	9.48
Guelph5Y	01/19/2010 0:50	12.46
Guelph5Y	01/19/2010 0:55	17.72
Guelph5Y	01/19/2010 1:00	28.8
Guelph5Y	01/19/2010 1:05	61.69

```
Guelph5Y         01/19/2010 1:10       139.29
Guelph5Y         01/19/2010 1:15       70.6
Guelph5Y         01/19/2010 1:20       39.22
Guelph5Y         01/19/2010 1:25       25.91
Guelph5Y         01/19/2010 1:30       18.86
Guelph5Y         01/19/2010 1:35       14.61
Guelph5Y         01/19/2010 1:40       11.81
Guelph5Y         01/19/2010 1:45       9.86
Guelph5Y         01/19/2010 1:50       8.42
Guelph5Y         01/19/2010 1:55       7.33
Guelph5Y         01/19/2010 2:00       6.48
Guelph5Y         01/19/2010 2:05       5.8
Guelph5Y         01/19/2010 2:10       5.24
Guelph5Y         01/19/2010 2:15       4.78
Guelph5Y         01/19/2010 2:20       4.39
Guelph5Y         01/19/2010 2:25       4.05
Guelph5Y         01/19/2010 2:30       3.77
Guelph5Y         01/19/2010 2:35       3.52
Guelph5Y         01/19/2010 2:40       3.3
Guelph5Y         01/19/2010 2:45       3.1
Guelph5Y         01/19/2010 2:50       3.05
Guelph5Y         01/19/2010 2:55       0

;Rainfall (mm/hr)
Hurricane_Hazel_(0-25) 01/19/2010 00:00:00   6.33
Hurricane_Hazel_(0-25) 01/19/2010 01:00:00   4.22
Hurricane_Hazel_(0-25) 01/19/2010 02:00:00   6.33
Hurricane_Hazel_(0-25) 01/19/2010 03:00:00   12.66
Hurricane_Hazel_(0-25) 01/19/2010 04:00:00   16.88
Hurricane_Hazel_(0-25) 01/19/2010 05:00:00   12.66
Hurricane_Hazel_(0-25) 01/19/2010 06:00:00   23.21
Hurricane_Hazel_(0-25) 01/19/2010 07:00:00   12.66
Hurricane_Hazel_(0-25) 01/19/2010 08:00:00   12.66
Hurricane_Hazel_(0-25) 01/19/2010 09:00:00   52.75
Hurricane_Hazel_(0-25) 01/19/2010 10:00:00   37.98
Hurricane_Hazel_(0-25) 01/19/2010 11:00:00   12.66

[REPORT]
;;Reporting Options
INPUT      NO
CONTROLS   NO
```

```
SUBCATCHMENTS ALL
NODES ALL
LINKS ALL

[TAGS]
Subcatch   A1              WETLAND
Subcatch   A1.1            SUB
Subcatch   A1.1_FRST       FOREST
Subcatch   A2              WETLAND
Subcatch   A2.1            SUB
Subcatch   A2.1_FRST       FOREST
Subcatch   A2.2            SUB
Subcatch   A2.2_FRST       FOREST
Subcatch   A3              WETLAND
Subcatch   A3.1            SUB
Subcatch   A3.1_FRST       FOREST
Subcatch   A3.2            SUB
Subcatch   A3.2_FRST       FOREST
Subcatch   A3.3            SUB
Subcatch   A3.3_FRST       FOREST
Subcatch   A4              WETLAND
Subcatch   A4.1            SUB
Subcatch   A4.1_FRST       FOREST
Subcatch   A4.2            SUB
Subcatch   A4.2_FRST       FOREST
Subcatch   A4.3            SUB
Subcatch   A4.3_FRST       FOREST
Subcatch   A4.4_FRST       FOREST
Subcatch   A4.5            SUB
Subcatch   A4.5_FRST       FOREST
Subcatch   A4.6            SUB
Subcatch   A4.6_FRST       FOREST
Subcatch   B1              WETLAND
Subcatch   B1.1            SUB
Subcatch   B1.1_FRST       FOREST
Subcatch   B2              WETLAND
Subcatch   B2.1            SUB
Subcatch   B2.1_FRST       FOREST
Subcatch   C1              WETLAND
Subcatch   C1.1            SUB
Subcatch   C1.1_FRST       FOREST
```

```
Subcatch   D1              WETLAND
Subcatch   D1.1            SUB
Subcatch   D1.1_FRST       FOREST
Subcatch   D2              WETLAND
Subcatch   D2.1            SUB
Subcatch   D2.1_FRST       FOREST
Subcatch   D3              WETLAND
Subcatch   D3.1            SUB
Subcatch   D4              WETLAND
Subcatch   D4.1            SUB
Subcatch   D4.1_FRST       FOREST
Subcatch   E1              WETLAND
Subcatch   E1.1            SUB
Subcatch   E1.1_FRST       FOREST
Subcatch   E2              WETLAND
Subcatch   E2.1            SUB
Subcatch   E2.1_FRST       FOREST
Subcatch   E3              WETLAND
Subcatch   E3.1            SUB
Subcatch   E3.1_FRST       FOREST
Node       13              PEAKFLOW
Node       14              OVERFLOW
Node       18              PEAKFLOW
Node       20              OVERFLOW
Node       21              PEAKFLOW
Node       22              PEAKFLOW
Node       28              OVERFLOW
Node       31              PEAKFLOW
Node       37              OVERFLOW
Node       40              OVERFLOW
Node       42              OVERFLOW
Node       48              OVERFLOW
Node       49              OVERFLOW
Node       5               PEAKFLOW
Node       50              OVERFLOW
Node       54              OVERFLOW
Node       56              PEAKFLOW
Node       7               OVERFLOW
Node       9               PEAKFLOW
Node       S_A1.1FRST      FOREST
Node       S_A2.1FRST      FOREST
```

```
Node       S_A2.2FRST       FOREST
Node       S_A3.1FRST       FOREST
Node       S_A3.2FRST       FOREST
Node       S_A3.3FRST       FOREST
Node       S_A4.1FRST       FOREST
Node       S_A4.2FRST       FOREST
Node       S_A4.3FRST       FOREST
Node       S_A4.4FRST       FOREST
Node       S_A4.5FRST       FOREST
Node       S_A4.6FRST       FOREST
Node       S_B1.1FRST       FOREST
Node       S_B2.1FRST       FOREST
Node       S_C1.1FRST       FOREST
Node       S_D1.1FRST       FOREST
Node       S_D2.1FRST       FOREST
Node       S_D4.1FRST       FOREST
Node       S_E1.1FRST       FOREST
Node       S_E2.1FRST       FOREST
Link       45               OVERFLOW
Link       46               OVERFLOW
Link       49               OVERFLOW
Link       51               OVERFLOW
Link       53               OVERFLOW
Link       55               OVERFLOW
Link       56               OVERFLOW
Link       59               OVERFLOW
Link       61               OVERFLOW
Link       62               OVERFLOW
Link       64               OVERFLOW
Link       66               OVERFLOW
Link       67               OVERFLOW

[MAP]
DIMENSIONS       560049.17765     4813980.0537     566747.96535     4819891.9223
UNITS            Meters

[COORDINATES]
;;Node           X-Coord          Y-Coord
;;-------------- ---------------- ----------------
1                563505.595       4818857.531
11               562264.051       4817092.616
```

12	562093.693	4816996.517
13	561923.335	4816939.73
14	563765.659	4818608.344
15	561698.149	4817099.989
17	561555.781	4817211.295
18	562426.62	4818157.29
19	562538.173	4818252.284
2	563971.394	4816882.676
20	564178.863	4818321.328
21	562545.175	4815756.588
22	562792.469	4817889.143
24	562914.204	4817643.271
25	562839.502	4817808.814
26	563392.315	4814809.546
27	563008.362	4815059.447
28	564101.861	4817495.179
29	562658.413	4815370.702
3	563813.34	4818552.225
30	562518.57	4815887.312
31	562509.891	4815976.414
32	562389.177	4816125.495
34	562132.804	4816343.723
35	562141.559	4816415.771
36	562019.922	4816837.051
37	562691.445	4818224.496
39	562260.757	4815366.47
4	562898.769	4818142.309
40	562735.784	4816716.891
42	562653.629	4817959.571
48	562791.226	4815250.407
49	562119.461	4815316.718
5	564285.83	4818262.163
50	562180.148	4816210.903
53	561776.788	4817092.883
54	561654.389	4817151.371
56	560575.172	4817438.611
6	564448.132	4818114.766
7	562660.913	4817047.623
8	563452.191	4817241.134
9	563050.32	4817206.188
MHEasement1	561877.237	4816229.292

MHEasement2	561949.252	4816236.207
MHSchool	562556.23	4818733.76
MHSWM4	561796.452	4817542.016
PWOPRMHS0001369	561884.193	4816425.78
PWOPRMHS0001370	561860.035	4816232.92
PWOPRMHS0001371	561855.459	4816222.492
PWOPRMHS0001372	561846.661	4816215.753
PWOPRMHS0001373	561812.341	4816475.01
PWOPRMHS0001374	561843.527	4816298.466
PWOPRMHS0001375	561847.848	4816285.339
PWOPRMHS0001386	561972.542	4816243.198
PWOPRMHS0001387	561961.55	4816273.581
PWOPRMHS0001388	561945.075	4816327.358
PWOPRMHS0001389	561922.976	4816376.79
PWOPRMHS0001390	561862.605	4816605.17
PWOPRMHS0001391	561851.715	4816638.463
PWOPRMHS0001392	561799.907	4816625.51
PWOPRMHS0001393	561718.958	4816564.397
PWOPRMHS0001394	561827.11	4816719.731
PWOPRMHS0001395	561761.638	4816780.338
PWOPRMHS0001398	561742.623	4816939.696
PWOPRMHS0001399	561765.69	4816913.305
PWOPRMHS0001400	561778.566	4816886.367
PWOPRMHS0001401	561793.986	4816829.638
PWOPRMHS0001402	561805.703	4816791.896
PWOPRMHS0001403	561746.177	4817608.49
PWOPRMHS0001404	561635.613	4816631.971
PWOPRMHS0001408	561601.462	4816667.671
PWOPRMHS0001409	561825.428	4817917.837
PWOPRMHS0001410	561840.501	4817971.076
PWOPRMHS0001411	561844.591	4817982.614
PWOPRMHS0001412	561869.304	4818052.989
PWOPRMHS0001413	561877.912	4818049.95
PWOPRMHS0001415	561825.048	4816476.95
PWOPRMHS0001416	561824.196	4817541.964
PWOPRMHS0001418	561877.987	4817487.164
PWOPRMHS0001419	561824.809	4816326.341
PWOPRMHS0001420	561802.331	4816346.087
PWOPRMHS0001421	561774.617	4816354.775
PWOPRMHS0001422	561771.574	4816423.521
PWOPRMHS0001423	561757.078	4816402.985

PWOPRMHS0001424	561711.709	4816422.071
PWOPRMHS0001428	561744.231	4816300.096
PWOPRMHS0001429	561751.471	4816357.794
PWOPRMHS0001430	561753.029	4816371.442
PWOPRMHS0001431	561782.805	4816200.606
PWOPRMHS0001433	561917.179	4817502.421
PWOPRMHS0001435	561950.344	4817403.392
PWOPRMHS0001436	561964.452	4817448.082
PWOPRMHS0001437	561975.395	4817428.756
PWOPRMHS0001438	561966.497	4817387.235
PWOPRMHS0001467	561588.747	4816585.318
PWOPRMHS0001597	562940.584	4818233.191
PWOPRMHS0001598	562944.811	4818100.994
PWOPRMHS0001600	563054.204	4818236.639
PWOPRMHS0001601	563020.359	4818180.421
PWOPRMHS0001602	563006.722	4818166.463
PWOPRMHS0001603	562996.574	4818175.509
PWOPRMHS0001604	562983.713	4818173.975
PWOPRMHS0001605	562983.177	4818191.591
PWOPRMHS0001606	562916.138	4818104.669
PWOPRMHS0001608	562941.941	4818079.72
PWOPRMHS0001610	562941.014	4818100.853
PWOPRMHS0001611	562418.856	4818184.213
PWOPRMHS0001614	562411.822	4818229.263
PWOPRMHS0001622	561798.793	4818077.804
PWOPRMHS0001624	561870.607	4818352.898
PWOPRMHS0001625	561875.988	4818344.603
PWOPRMHS0001626	561851.385	4818381.332
PWOPRMHS0001634	561764.309	4817989.272
PWOPRMHS0001642	562403.42	4818235.142
PWOPRMHS0001643	562380.587	4818237.202
PWOPRMHS0001649	561929.012	4818313.016
PWOPRMHS0001650	561921.69	4818318.725
PWOPRMHS0001651	561893.769	4818346.3
PWOPRMHS0001652	562004.742	4818378.223
PWOPRMHS0001653	562068.226	4818335.822
PWOPRMHS0001654	562090.795	4818330.833
PWOPRMHS0001655	561934.734	4818295.39
PWOPRMHS0001657	562096.337	4818314.226
PWOPRMHS0001658	562091.176	4818297.637
PWOPRMHS0001659	562053.425	4818289.351

PWOPRMHS0001660	562195.031	4818375.544
PWOPRMHS0001661B	562158.925	4818366.059
PWOPRMHS0001662	562174.087	4818351.558
PWOPRMHS0001663	562166.723	4818351.838
PWOPRMHS0001664	562026.148	4818376.683
PWOPRMHS0001667	562856.537	4818041.852
PWOPRMHS0001670	562794.817	4817977.145
PWOPRMHS0001674	562810.361	4818443.76
PWOPRMHS0001676	562823.661	4818447.839
PWOPRMHS0001677	562859.193	4818424.794
PWOPRMHS0001678	562867.364	4818426.043
PWOPRMHS0001679	563028.109	4818686.17
PWOPRMHS0001680	563015.22	4818689.59
PWOPRMHS0001682	562768.026	4818647.408
PWOPRMHS0001686	562773.873	4818654.947
PWOPRMHS0001687	562743.264	4818484.861
PWOPRMHS0001688	562803.797	4818458.627
PWOPRMHS0001689	562751.931	4818556.217
PWOPRMHS0001690	562743.784	4818567.714
PWOPRMHS0001691	562672.663	4818580.292
PWOPRMHS0001692	562668.878	4818665.765
PWOPRMHS0001695	562657.788	4817757.419
PWOPRMHS0001697	562572.32	4818356.787
PWOPRMHS0001705	562856.801	4818562.606
PWOPRMHS0001706	562923.642	4818375.144
PWOPRMHS0001713	562772.9	4818363.606
PWOPRMHS0001729	562481.878	4818753.001
PWOPRMHS0001732	562501.315	4818757.506
PWOPRMHS0001733	562476.132	4818317.775
PWOPRMHS0001736	562500.358	4818291.921
PWOPRMHS0001739	562508.785	4818765.124
PWOPRMHS0001740	562521.5	4818764.574
PWOPRMHS0001741	562515.926	4818655.827
PWOPRMHS0001743	562661.053	4818594.039
PWOPRMHS0001744	562660.311	4818676.462
PWOPRMHS0001745	562597.709	4818695.039
PWOPRMHS0001746	562627.344	4818679.982
PWOPRMHS0001761	562089.41	4817882.154
PWOPRMHS0001764	562005.558	4817911.268
PWOPRMHS0001765	561996.125	4817859.219
PWOPRMHS0001766	562006.358	4817833.244

PWOPRMHS0001767	561925.021	4817940.002
PWOPRMHS0001768	561914.07	4817900.74
PWOPRMHS0001788	561698.376	4817655.42
PWOPRMHS0001791	561674.858	4817883.764
PWOPRMHS0001792	561691.408	4817816.757
PWOPRMHS0001796	561735.415	4817745.354
PWOPRMHS0001797	561721.414	4817775.178
PWOPRMHS0001798	561706.316	4817811.029
PWOPRMHS0001804	562144.492	4817600.981
PWOPRMHS0001836	561618.275	4817781.095
PWOPRMHS0001855	562071.871	4817527.116
PWOPRMHS0001856	562108.25	4817515.863
PWOPRMHS0001857	562018.38	4817472.687
PWOPRMHS0001858	562192.681	4817476.003
PWOPRMHS0001867	562336.75	4817338.49
PWOPRMHS0001874	562442.58	4818695.738
PWOPRMHS0001878	562446.686	4818246.2
PWOPRMHS0001879	562416.185	4818234.902
PWOPRMHS0001881	562323.188	4818256.778
PWOPRMHS0001889	562261.014	4818487.19
PWOPRMHS0001890	562263.472	4818474.204
PWOPRMHS0001891	562276.508	4818476.543
PWOPRMHS0001894	562219.538	4818408.967
PWOPRMHS0001903	562275.642	4817437.565
PWOPRMHS0001904	562252.184	4817414.663
PWOPRMHS0001906	562199.434	4817211.531
PWOPRMHS0001907	562201.793	4817224.567
PWOPRMHS0001908	562230.043	4817218.629
PWOPRMHS0001911	562175.596	4817187.225
PWOPRMHS0001912	562174.045	4817172.203
PWOPRMHS0001914	562212.727	4817498.572
PWOPRMHS0001915	562165.189	4817496.093
PWOPRMHS0001916	562090.968	4817524.907
PWOPRMHS0001917	562135.569	4817290.249
PWOPRMHS0001918	562070.519	4817280.896
PWOPRMHS0001919	562658.654	4818569.474
PWOPRMHS0001925	562526.753	4817666.558
PWOPRMHS0001926	562578.529	4817614.069
PWOPRMHS0001927	562592.176	4817527.656
PWOPRMHS0001928	562632.316	4817567.478
PWOPRMHS0001929	562693.212	4817396.273

PWOPRMHS0001930	562693.797	4817444.903
PWOPRMHS0001931	562684.587	4817352.022
PWOPRMHS0001932	562665.943	4817308.711
PWOPRMHS0001933	562638.633	4817270.858
PWOPRMHS0001935	562601.996	4817232.826
PWOPRMHS0001937	562514.12	4817703.91
PWOPRMHS0001939	562559.736	4817496.063
PWOPRMHS0001941	562507.92	4817191.261
PWOPRMHS0001943	562556.916	4817202.682
PWOPRMHS0001944	562673.084	4817508.37
PWOPRMHS0001945	562734.672	4817541.553
PWOPRMHS0001947	562753.341	4817450.782
PWOPRMHS0002041	562556.785	4818747.818
PWOPRMHS0002042	562429.155	4818809.545
PWOPRMHS0002046	562778.004	4818703.257
PWOPRMHS0002050	562572.6	4818736.45
PWOPRMHS0002051	562573.307	4818716.897
PWOPRMHS0002080	562293.693	4818516.995
PWOPRMHS0002082	562138.935	4818607.426
PWOPRMHS0002083	562201.9	4818544.239
PWOPRMHS0002084	562211.633	4818534.691
PWOPRMHS0002085	562231.774	4818614.815
PWOPRMHS0002095	563019.409	4818702.147
PWOPRMHS0003136	562822.688	4818640.63
PWOPRMHS0003137	562847.789	4818643.369
PWOPRMHS0003140	562899.456	4818458.645
PWOPRMHS0003146	562955.933	4818657.326
PWOPRMHS0003147	562910.35	4818677.222
PWOPRMHS0003148	562892.201	4818688.63
PWOPRMHS0003149	562883.073	4818687.63
PWOPRMHS0003153	563051.444	4818655.097
PWOPRMHS0003160	562961.606	4818637.45
PWOPRMHS0004129	563268.245	4818210.652
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A3	564943.064	4817163.289
A3	564940.944	4817163.029
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A3	564920.504	4817157.469
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A3	564883.794	4817149.529
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A3	564818.334	4817126.539
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A3	564800.334	4817112.529
A3	564784.334	4817098.529
A3	564772.334	4817086.529
A3	564764.334	4817075.53
A3	564755.325	4817061.507
A3	564750.335	4817050.53
A3	564747.335	4817043.529
A3	564746.712	4817042.906
A3	564742.335	4817038.53
A3	564740.114	4817038.529
A3	564738.075	4817036.83
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A3	564682.494	4817052.249
A3	564666.614	4817068.119
A3	564642.804	4817086.639
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A3	564620.334	4817103.929
A3	564617.334	4817104.529
A3	564601.336	4817107.529
A3	564583.334	4817112.529
A3	564574.639	4817113.109
A3	564569.554	4817116.049
A3	564561.683	4817117.479
A3	564555.244	4817116.759
A3	564544.504	4817115.329

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A3                564500.844       4817108.889
A3                564490.825       4817110.319
A3                564485.814       4817110.319
A3                564485.646       4817110.383
A3                564482.765       4817111.489
A3                564476.504       4817113.899
A3                564470.064       4817115.329
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A3                564446.444       4817117.479
A3                564437.854       4817116.049
A3                564429.264       4817115.329
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A3                564384.162       4817000.224
;Part2: A3
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A3	564787.374	4817251.251
A3	564785.154	4817252.909
A3	564781.555	4817255.129
A3	564781.238	4817255.169
A3	564779.343	4817255.408
A3	564777.682	4817254.851
A3	564774.912	4817252.911
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A3	564759.125	4817243.498
A3	564756.912	4817242.111
A3	564755.804	4817240.177
A3	564755.693	4817239.625
A3	564755.244	4817237.41
A3	564754.143	4817234.638
A3	564753.575	4817233.162
A3	564752.755	4817231.037
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A3	564758.294	4817224.666
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A3	564760.234	4817211.097
A3	564761.617	4817206.667
A3	564763.003	4817203.619
A3	564765.495	4817202.511
A3	564770.482	4817201.128
A3	564773.804	4817203.341
A3	564778.234	4817205.28
A3	564781.282	4817208.049

A3	564781.834	4817212.201
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A3	564781.004	4817221.067
A3	564781.003	4817224.941
A3	564780.174	4817229.098
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A3	564781.247	4817235.122
A3	564781.555	4817235.741
A3	564781.556	4817239.341
A3	564781.432	4817240.089
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A3	564783.773	4817245.437
A3	564785.433	4817246.268
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A3.1	563858.384	4817878.243
A3.1	563874.345	4817911.524
A3.1	563935.019	4817975.878
A3.1	564126.048	4818121.548
A3.1	564131.385	4818116.469
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A3.1	564151.961	4818096.882
A3.1	564159.324	4818089.872
A3.1	564168.493	4818081.145
A3.1	564172.75	4818077.092
A3.1	564180.766	4818069.461
A3.1	564187.506	4818063.045
A3.1	564191.701	4818053.329
A3.1	564200.387	4818033.205
A3.1	564204.532	4818023.603
A3.1	564199.986	4818006.941
A3.1	564198.012	4817999.707
A3.1	564189.429	4817990.761
A3.1	564177.556	4817978.386
A3.1	564170.265	4817970.788
A3.1	564162.975	4817963.189

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A3.1            564155.684      4817955.59
A3.1            564148.394      4817947.992
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A3.1            564126.522      4817925.196
A3.1            564119.231      4817917.597
A3.1            564111.941      4817909.999
A3.1            564105.345      4817903.124
A3.1            564098.748      4817896.249
A3.1            564092.152      4817889.374
A3.1            564085.556      4817882.499
A3.1            564078.96       4817875.624
A3.1            564072.364      4817868.749
A3.1            564065.767      4817861.874
A3.1            564059.171      4817854.999
A3.1            564052.575      4817848.124
A3.1            564045.978      4817841.25
A3.1            564039.73       4817834.737
A3.1            564033.481      4817828.224
A3.1            564027.232      4817821.711
A3.1            564020.982      4817815.198
A3.1            564014.734      4817808.684
A3.1            564008.485      4817802.171
A3.1            564002.236      4817795.658
A3.1            563993.209      4817786.251
A3.1            563980.6        4817773.109
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A3.1            563959.735      4817759.832
A3.1            563937.518      4817769.943
A3.1            563921.732      4817784.971
A3.1            563906.67       4817799.309
A3.1            563887.369      4817817.682
A3.1            563879.25       4817825.41
A3.1            563865.573      4817838.43
;Part2: A3.1
A3.1            563808.608      4817593.851
A3.1            563836.711      4817714.511
A3.1            563900.795      4817689.932
A3.1            563833.082      4817619.358
A3.1            563808.608      4817593.851
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```
Too many subcatchment entities (247 in total).

[SYMBOLS]
;;Gage           X-Coord          Y-Coord
;;-------------- ---------------- ----------------
```

H.10 Input for PCSWMM for Scenario 10

```
[TITLE]
Climate Change Model of Scenario 5

[OPTIONS]
;;Options            Value
;;------------------ ------------
FLOW_UNITS           CMS
INFILTRATION         GREEN_AMPT
FLOW_ROUTING         DYNWAVE
LINK_OFFSETS         ELEVATION
MIN_SLOPE            0
ALLOW_PONDING        NO
SKIP_STEADY_STATE    NO

START_DATE           09/01/2021
START_TIME           00:00:00
REPORT_START_DATE    09/01/2021
REPORT_START_TIME    00:00:00
END_DATE             09/04/2021
END_TIME             00:00:00
SWEEP_START          01/01
SWEEP_END            12/31
DRY_DAYS             0
REPORT_STEP          00:05:00
WET_STEP             00:05:00
DRY_STEP             00:15:00
ROUTING_STEP         5
RULE_STEP            00:00:00

INERTIAL_DAMPING     PARTIAL
NORMAL_FLOW_LIMITED  BOTH
FORCE_MAIN_EQUATION  H-W
VARIABLE_STEP        0.75
LENGTHENING_STEP     1
MIN_SURFAREA         0
MAX_TRIALS           8
HEAD_TOLERANCE       0.0015
SYS_FLOW_TOL         5
LAT_FLOW_TOL         5
MINIMUM_STEP         0.5
THREADS              4
```

```
[EVAPORATION]
;;Type          Parameters
;;------------- ----------
MONTHLY          0.0    0.0    0.0    1.06   2.48   3.6    4.13   3.61   2.43   1.19   0.3    0.0
DRY_ONLY         NO

[RAINGAGES]
;;                     Rain      Time     Snow     Data
;;Name                 Type      Intrvl   Catch    Source
;;-------------------- --------- -------- -------- ----------
AES12hour_100year      INTENSITY 0:15     1.0      TIMESERIES AES12hour_100yr
AES6hour_100year       INTENSITY 0:15     1.0      TIMESERIES AES6hour_100yr
CC_AES12hour_100yr     INTENSITY 0:15     1.0      TIMESERIES CC_AES12hour_100yr
DSGauge                INTENSITY 0:05     1.0      TIMESERIES Guelph100Y
Hurricane_Hazel_(0-25) INTENSITY 01:00    1.0      TIMESERIES Hurricane_Hazel_(0-25)

[SUBCATCHMENTS]
;;                                                 Total    Pcnt.             Pcnt.    Curb     Snow
;;Name           Raingage         Outlet           Area     Imperv   Width    Slope    Length   Pack
;;-------------- ---------------- ---------------- -------- -------- -------- -------- -------- --------
A1               CC_AES12hour_100yr 14             8.37858  31       837.858  2.55     0
A1.1             CC_AES12hour_100yr 1              42.8127  31       4281.27  2.55     0
A1.1_FRST        CC_AES12hour_100yr A1             3.63836  5        382.985  4.569    0
A2               CC_AES12hour_100yr 20             11.49151 26       1149.151 4.893    0
A2.1             CC_AES12hour_100yr 3              12.9012  20       1290.12  4.465    0
;05
A2.1_FRST        CC_AES12hour_100yr A2             3.27903  5        364.337  5.888    0
A2.2             CC_AES12hour_100yr 3              8.44264  34       844.264  5.546    0
A2.2_FRST        CC_AES12hour_100yr A2             2.22057  5        296.076  4.679    0
;01
A3               CC_AES12hour_100yr 28             56.7748  27       5677.48  2.341    0
A3.1             CC_AES12hour_100yr 6              6.44601  22       644.601  4.32     0
A3.1_FRST        CC_AES12hour_100yr A3             13.18801 5        712.865  6.361    0
A3.2             CC_AES12hour_100yr 6              32.32076 36       3232.076 3.055    0
A3.2_FRST        CC_AES12hour_100yr A3             7.39984  5        528.56   2.441    0
A3.3             CC_AES12hour_100yr 28             70.21898 23       7021.898 1.831    0
A3.3_FRST        CC_AES12hour_100yr A3             17.13255 5        815.836  2.072    0
;02
A4               CC_AES12hour_100yr 7              100.51695 40      11422.381 3.52    0
A4.1             CC_AES12hour_100yr 9              1.02924  20       205.848  12.11    0
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A4.1_FRST        CC_AES12hour_100yr A4             5.52575  5        251.17   12.609   0
A4.2             CC_AES12hour_100yr 8              9.80983  29       980.983  3.264    0
A4.2_FRST        CC_AES12hour_100yr A4             16.15059 5        807.53   3.234    0
A4.3             CC_AES12hour_100yr 8              46.96537 61       4696.537 6.754    0
A4.3_FRST        CC_AES12hour_100yr A4             8.10956  5        559.28   2.629    0
A4.4_FRST        CC_AES12hour_100yr A4             18.6402  5        866.986  1.485    0
A4.5             CC_AES12hour_100yr 2              108.8003 29       10880.03 2.616    0
A4.5_FRST        CC_AES12hour_100yr A4             15.02335 5        770.428  4.264    0
A4.6             CC_AES12hour_100yr 2              148.9709 52       14897.09 3.51     0
A4.6_FRST        CC_AES12hour_100yr A4             60.75746 5        1557.884 5.817    0
B1               CC_AES12hour_100yr 37             3.0847   16       856.861  1.137    0
B1.1             CC_AES12hour_100yr 4              0.99721  20       199.442  3.723    0
;06
B1.1_FRST        CC_AES12hour_100yr B1             3.70213  5        370.213  2.416    0
;03
B2               CC_AES12hour_100yr 42             2.9118   14       746.615  2.9      0
B2.1             CC_AES12hour_100yr 18             6.4804   11       648.04   8.395    0
B2.1_FRST        CC_AES12hour_100yr B2             8.06289  5        556.061  4.141    0
C1               CC_AES12hour_100yr 40             3.1551   61       350.567  2.612    0
C1.1             CC_AES12hour_100yr 40             123.3055 61       12330.55 2.612    0
C1.1_FRST        CC_AES12hour_100yr C1             2.78849  5        328.058  5.115    0
D1               CC_AES12hour_100yr 48             13.15501 61       1315.501 2.621    0
D1.1             CC_AES12hour_100yr 27             119.81733 61      11981.733 2.621   0
;07
D1.1_FRST        CC_AES12hour_100yr D1             30.3332  5        1103.025 1.654    0
D2               CC_AES12hour_100yr 21             17.56726 54       1756.726 1.309    0
D2.1             CC_AES12hour_100yr 21             52.2425  54       5224.25  1.309    0
D2.1_FRST        CC_AES12hour_100yr D2             19.03354 5        865.161  1.199    0
D3               CC_AES12hour_100yr 49             5.6119   60       561.19   4.474    0
D3.1             CC_AES12hour_100yr 49             36.1347  60       3613.47  4.474    0
;04
D4               CC_AES12hour_100yr 50             3.51993  35       495.765  1.49     0
D4.1             CC_AES12hour_100yr 50             23.40875 53       2340.875 1.568    0
D4.1_FRST        CC_AES12hour_100yr D4             13.64864 5        737.764  1.949    0
E1               CC_AES12hour_100yr 53             2.92807  18       636.537  1.66     0
E1.1             CC_AES12hour_100yr 53             18.00759 23       1800.759 3.079    0
;08
E1.1_FRST        CC_AES12hour_100yr E1             32.85577 5        1132.958 2.328    0
E2               CC_AES12hour_100yr 54             0.78579  19       174.62   4.9      0
E2.1             CC_AES12hour_100yr 54             9.27285  19       927.285  4.9      0
E2.1_FRST        CC_AES12hour_100yr E2             0.87158  5        174.316  6.307    0
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E3	CC_AES12hour_100yr	56	14.02097	22	1402.097	12.425	0
E3.1	CC_AES12hour_100yr	56	22.8162	22	2281.62	12.425	0
E3.1_FRST	CC_AES12hour_100yr	E3	13.0633	5	725.739	8.365	0
HC01-01	CC_AES12hour_100yr	PWOPRMHS0001937	6.22	28.7	1269.388	3.5	0
HC01-02	CC_AES12hour_100yr	PWOPRMHS0001695	2.27	24.8	504.444	4.2	0
HC01-03	CC_AES12hour_100yr	PWOPRMHS0001925	1.2	24.8	173.913	7.1	0
HC01-04	CC_AES12hour_100yr	SWMPOND	2.49	19.4	415	4.2	0
HC01-05	CC_AES12hour_100yr	PWOPRMHS0001939	2.5	24.8	500	6.3	0
HC01-06	CC_AES12hour_100yr	PWOPRMHS0001928	1.32	24.8	197.015	6.7	0
HC01-07	CC_AES12hour_100yr	PWOPRMHS0001944	0.7	24.8	159.091	0.8	0
HC01-08	CC_AES12hour_100yr	PWOPRMHS0001930	0.52	24.8	70.27	10	0
HC01-09	CC_AES12hour_100yr	PWOPRMHS0001947	0.66	24.8	160.976	1.3	0
HC01-10	CC_AES12hour_100yr	PWOPRMHS0001929	1.14	24.8	156.164	7.8	0
HC01-11	CC_AES12hour_100yr	PWOPRMHS0001933	1.39	24.8	217.187	3.3	0
HC01-12	CC_AES12hour_100yr	PWOPRMHS0001943	3.1	24.8	720.93	3.9	0
HC02-01	CC_AES12hour_100yr	PWOPRMHS0001622	0.37	37.3	115.625	0.9	0
HC02-02	CC_AES12hour_100yr	PWOPRMHS0001413	2.17	50.4	678.125	0.4	0
HC02-03	CC_AES12hour_100yr	PWOPRMHS0001412	0.19	43.2	59.375	0.8	0
HC02-04	CC_AES12hour_100yr	PWOPRMHS0001411	0.41	29.2	128.125	5	0
HC02-05	CC_AES12hour_100yr	PWOPRMHS0001764	2.96	14.8	925	2.6	0
HC02-06	CC_AES12hour_100yr	PWOPRMHS0001768	1.79	15.2	577.419	1.4	0
HC02-07	CC_AES12hour_100yr	PWOPRMHS0001767	0.78	12.8	243.75	0.6	0
HC02-08	CC_AES12hour_100yr	PWOPRMHS0001409	1.26	11.6	393.75	1.4	0
HC02-09	CC_AES12hour_100yr	PWOPRMHS0001410	0.87	13.6	263.636	0.5	0
HC02-10	CC_AES12hour_100yr	PWOPRMHS0001634	0.94	12.4	293.75	0.8	0
HC02-11	CC_AES12hour_100yr	PWOPRMHS0001791	1.49	13.6	465.625	1	0
HC02-12	CC_AES12hour_100yr	PWOPRMHS0001797	2.15	12.4	651.515	0.3	0
HC02-13	CC_AES12hour_100yr	PWOPRMHS0001792	0.84	11.6	262.5	0.6	0
HC02-14	CC_AES12hour_100yr	PWOPRMHS0001836	0.92	12	270.588	1.1	0
HC02-15	CC_AES12hour_100yr	PWOPRMHS0001788	1.6	13.2	470.588	2.5	0
HC02-16	CC_AES12hour_100yr	PWOPRMHS0001403	0.51	14	150	2.5	0
HC02-17	CC_AES12hour_100yr	PWOPRMHS0001403	2.36	13.2	715.152	1.1	0
HC02-18	CC_AES12hour_100yr	PWOPRMHS0001433	3.83	14	1160.606	3.3	0
HC02-19	CC_AES12hour_100yr	PWOPRMHS0001418	1.52	14.4	460.606	0.1	0
HC02-20	CC_AES12hour_100yr	PWOPRMHS0001804	0.44	35.2	275	1.3	0
HC02-21	CC_AES12hour_100yr	PWOPRMHS0001903	3.51	14.4	1002.857	0.9	0
HC02-22	CC_AES12hour_100yr	PWOPRMHS0001914	2.97	14.4	900	0.8	0
HC02-23	CC_AES12hour_100yr	PWOPRMHS0001858	0.4	42.8	160	1.1	0
HC02-24	CC_AES12hour_100yr	PWOPRMHS0001915	0.07	58.4	58.333	1.8	0
HC02-25	CC_AES12hour_100yr	PWOPRMHS0001916	1.13	45.9	513.636	2.9	0
HC02-26	CC_AES12hour_100yr	PWOPRMHS0001855	0.34	54.8	170	4.8	0

HC02-27	CC_AES12hour_100yr	PWOPRMHS0001857	0.75	18	227.273	5.1	0
HC02-28	CC_AES12hour_100yr	PWOPRMHS0001436	0.57	18	172.727	2.8	0
HC02-29	CC_AES12hour_100yr	PWOPRMHS0001435	0.53	40	160.606	0.9	0
HC02-30	CC_AES12hour_100yr	PWOPRMHS0001918	1.48	1.2	462.5	0.3	0
HC02-31	CC_AES12hour_100yr	PWOPRMHS0001908	2.42	15.2	711.765	1.8	0
HC02-32	CC_AES12hour_100yr	PWOPRMHS0001917	2.15	14.4	632.353	3.2	0
HC02-33	CC_AES12hour_100yr	PWOPRMHS0001917	0.83	15.2	244.118	0.5	0
HC02-34	CC_AES12hour_100yr	PWOPRMHS0001906	0.3	26	88.235	4.5	0
HC02-35	CC_AES12hour_100yr	PWOPRMHS0001912	1	1.6	333.333	0.8	0
HC02-36	CC_AES12hour_100yr	MHSWM4	0.44	5.6	440	2.1	0
HC02-37	CC_AES12hour_100yr	PWOPRMHS0001912	1.01	5.2	480.952	2.2	0
HC02-38	CC_AES12hour_100yr	PWOPRMHS0001765	3.11	13.6	914.706	0.5	0
HC02-39	CC_AES12hour_100yr	PWOPRMHS0001867	0.88	11.6	266.667	0.1	0
HC03-01	CC_AES12hour_100yr	PWOPRMHS0001626	2.24	32	1066.667	0.4	0
HC03-02	CC_AES12hour_100yr	PWOPRMHS0001625	0.8	15.2	258.065	3.1	0
HC03-03	CC_AES12hour_100yr	PWOPRMHS0001651	0.13	18.8	76.471	5.3	0
HC03-04	CC_AES12hour_100yr	PWOPRMHS0001655	1.03	18.8	343.333	2	0
HC03-05	CC_AES12hour_100yr	PWOPRMHS0001649	0.33	36.8	173.684	2.3	0
HC03-06	CC_AES12hour_100yr	PWOPRMHS0001659	5.16	13.8	1563.636	3.3	0
HC03-07	CC_AES12hour_100yr	PWOPRMHS0001658	1.81	15.2	583.871	1.5	0
HC03-08	CC_AES12hour_100yr	PWOPRMHS0002082	4.36	15.5	1321.212	3.5	0
HC03-09	CC_AES12hour_100yr	PWOPRMHS0002085	1.94	23.3	485	1.3	0
HC03-10	CC_AES12hour_100yr	PWOPRMHS0002084	1.69	12	512.121	1.9	0
HC03-11	CC_AES12hour_100yr	PWOPRMHS0002080	2.51	16.5	627.5	2.8	0
HC03-12	CC_AES12hour_100yr	PWOPRMHS0001891	1.18	14	357.576	0.3	0
HC03-13	CC_AES12hour_100yr	PWOPRMHS0001889	0.38	18.8	180.952	0.8	0
HC03-14	CC_AES12hour_100yr	PWOPRMHS0001890	0.13	58.4	56.522	0.7	0
HC03-15	CC_AES12hour_100yr	PWOPRMHS0001894	0.62	13.6	187.879	1.6	0
HC03-16	CC_AES12hour_100yr	PWOPRMHS0001660	0.31	21.2	100	1.1	0
HC03-17	CC_AES12hour_100yr	PWOPRMHS0001657	0.12	36.8	75	2.2	0
HC03-18	CC_AES12hour_100yr	PWOPRMHS0001663	0.1	64	100	0.4	0
HC03-19	CC_AES12hour_100yr	PWOPRMHS0001661B	7.88	8.4	3940	3.5	0
HC03-20	CC_AES12hour_100yr	PWOPRMHS0001662	1.5	2.4	500	0.6	0
HC04-01	CC_AES12hour_100yr	PWOPRMHS0002042	3.59	18	897.5	0.6	0
HC04-02	CC_AES12hour_100yr	PWOPRMHS0001874	0.66	13.9	200	1.5	0
HC04-03	CC_AES12hour_100yr	PWOPRMHS0001739	1.2	14.9	363.636	1	0
HC04-04	CC_AES12hour_100yr	PWOPRMHS0002041	5.28	18	812.308	1.1	0
HC04-05	CC_AES12hour_100yr	PWOPRMHS0001741	0.62	17.6	182.353	2.6	0
HC04-06	CC_AES12hour_100yr	PWOPRMHS0002051	1.07	17.6	324.242	0.6	0
HC04-07	CC_AES12hour_100yr	PWOPRMHS0001745	0.09	38.4	81.818	0.1	0
HC04-08	CC_AES12hour_100yr	PWOPRMHS0001746	0.34	15.5	79.07	1.5	0

HC04-09	CC_AES12hour_100yr	PWOPRMHS0001692	0.53	17.6	147.222	1	0
HC04-10	CC_AES12hour_100yr	PWOPRMHS0001743	0.62	17.6	177.143	0.6	0
HC04-11	CC_AES12hour_100yr	PWOPRMHS0001691	0.91	16.7	325	1.6	0
HC04-12	CC_AES12hour_100yr	PWOPRMHS0001919	2.2	13.2	687.5	0.7	0
HC04-13	CC_AES12hour_100yr	PWOPRMHS0001690	0.3	15.2	115.385	0.6	0
HC04-14	CC_AES12hour_100yr	PWOPRMHS0002095	2.79	14	734.211	0.3	0
HC04-15	CC_AES12hour_100yr	PWOPRMHS0003153	3.91	14	1221.875	0.8	0
HC04-16	CC_AES12hour_100yr	PWOPRMHS0001680	0.46	15.2	153.333	1	0
HC04-17	CC_AES12hour_100yr	PWOPRMHS0003160	2.26	17.6	904	0.9	0
HC04-18	CC_AES12hour_100yr	PWOPRMHS0003146	0.26	21.1	173.333	0.1	0
HC04-19	CC_AES12hour_100yr	PWOPRMHS0003149	1.3	12	361.111	1.5	0
HC04-20	CC_AES12hour_100yr	PWOPRMHS0003137	0.56	12	169.697	2.4	0
HC04-21	CC_AES12hour_100yr	PWOPRMHS0003136	0.15	17.2	75	1.2	0
HC04-22	CC_AES12hour_100yr	PWOPRMHS0001686	0.23	19.2	104.545	0.8	0
HC04-23	CC_AES12hour_100yr	PWOPRMHS0002046	0.56	17.6	329.412	2.4	0
HC04-24	CC_AES12hour_100yr	PWOPRMHS0001686	0.13	14.4	40.625	5	0
HC04-25	CC_AES12hour_100yr	PWOPRMHS0001682	0.78	13.6	236.364	1.5	0
HC04-26	CC_AES12hour_100yr	PWOPRMHS0001689	0.74	12.8	194.737	0.1	0
HC04-27	CC_AES12hour_100yr	PWOPRMHS0001705	0.36	10.8	109.091	1.4	0
HC04-28	CC_AES12hour_100yr	PWOPRMHS0001705	0.73	15.2	192.105	1.4	0
HC04-29	CC_AES12hour_100yr	PWOPRMHS0001706	3.62	13.6	1096.97	1.1	0
HC04-30	CC_AES12hour_100yr	PWOPRMHS0001678	1.94	14	554.286	1.5	0
HC04-31	CC_AES12hour_100yr	PWOPRMHS0001677	0.48	28	200	0.6	0
HC04-32	CC_AES12hour_100yr	PWOPRMHS0001676	0.34	15.2	97.143	0.8	0
HC04-33	CC_AES12hour_100yr	PWOPRMHS0001713	1.13	13.6	452	0.7	0
HC04-34	CC_AES12hour_100yr	37	1.55	5.6	620	0.6	0
HC04-35	CC_AES12hour_100yr	PWOPRMHS0001688	0.49	13.6	122.5	1.2	0
HC04-36	CC_AES12hour_100yr	PWOPRMHS0002050	2.93	32.5	1085.185	2.4	0
HC05-01	CC_AES12hour_100yr	PWOPRMHS0005188	5.99	12	1711.429	3.8	0
HC05-02	CC_AES12hour_100yr	PWOPRMHS0005196	3.23	12.4	769.048	3.2	0
HC05-03	CC_AES12hour_100yr	PWOPRMHS0005183	0.11	76	110	2.7	0
HC05-04	CC_AES12hour_100yr	PWOPRMHS0005181	0.49	11.2	175	1.1	0
HC05-05	CC_AES12hour_100yr	PWOPRMHS0005179	0.92	15	224.39	0.5	0
HC05-06	CC_AES12hour_100yr	PWOPRMHS0005223	0.42	16.8	140	1.6	0
HC05-07	CC_AES12hour_100yr	PWOPRMHS0005226	0.73	13.2	208.571	1.4	0
HC05-08	CC_AES12hour_100yr	PWOPRMHS0005231	2.2	13.6	628.571	0.9	0
HC05-09	CC_AES12hour_100yr	PWOPRMHS0005229	0.27	13.2	108	0.1	0
HC05-10	CC_AES12hour_100yr	PWOPRMHS0005230	0.35	17.6	250	1.4	0
HC05-11	CC_AES12hour_100yr	24	3.17	5.2	1509.524	1.5	0
HC06-01	CC_AES12hour_100yr	PWOPRMHS0005009	0.32	15.2	160	0.5	0
HC06-02	CC_AES12hour_100yr	PWOPRMHS0005008	0.65	14.8	216.667	0.3	0

HC06-03	CC_AES12hour_100yr	PWOPRMHS0005012	1.49	0	175.294	0.6	0
HC06-04	CC_AES12hour_100yr	PWOPRMHS0005011	1.11	0.4	584.211	0.1	0
HC06-05	CC_AES12hour_100yr	PWOPRMHS0004137	0.35	10.8	109.375	1.1	0
HC06-06	CC_AES12hour_100yr	PWOPRMHS0004135	1.57	12.8	402.564	2.7	0
HC06-07	CC_AES12hour_100yr	PWOPRMHS0004133	0.4	11.2	117.647	5.9	0
HC06-08	CC_AES12hour_100yr	PWOPRMHS0004201	4.15	14.4	1383.333	2.9	0
HC06-09	CC_AES12hour_100yr	PWOPRMHS0004159	2.61	13	1044	3.2	0
HC06-10	CC_AES12hour_100yr	PWOPRMHS0004129	2.4	12.8	705.882	2.9	0
HC06-11	CC_AES12hour_100yr	PWOPRMHS0004130	0.22	17.6	157.143	0.6	0
HC06-12	CC_AES12hour_100yr	PWOPRMHS0004131	0.2	24.8	133.333	0.7	0
HC06-13	CC_AES12hour_100yr	PWOPRMHS0004132	0.28	51.2	93.333	3.7	0
HC06-14	CC_AES12hour_100yr	PWOPRMHS0004143	1.81	23	786.957	0.4	0
HC06-15	CC_AES12hour_100yr	PWOPRMHS0005178	0.12	80	120	0.3	0
HC06-16	CC_AES12hour_100yr	PWOPRMHS0004142	0.28	67	121.739	1.1	0
HC06-17	CC_AES12hour_100yr	PWOPRMHS0004142	1.54	22	550	0.4	0
HC06-18	CC_AES12hour_100yr	PWOPRMHS0005001	2.66	55.4	1209.091	0.4	0
HC06-19	CC_AES12hour_100yr	PWOPRMHS0004999	0.03	80	30	2.5	0
HC06-20	CC_AES12hour_100yr	PWOPRMHS0005000	0.21	80	210	0.4	0
HC06-21	CC_AES12hour_100yr	PWOPRMHS0001598	1.27	67	317.5	0.1	0
HC06-22	CC_AES12hour_100yr	PWOPRMHS0004998	0.06	80	60	1.6	0
HC06-23	CC_AES12hour_100yr	PWOPRMHS0001601	1.5	70	357.143	0.4	0
HC06-24	CC_AES12hour_100yr	PWOPRMHS0001602	0.12	80	120	0.9	0
HC06-25	CC_AES12hour_100yr	PWOPRMHS0001600	3.35	17.6	1046.875	3.8	0
HC06-26	CC_AES12hour_100yr	PWOPRMHS0001605	2.64	25.6	880	0.5	0
HC06-27	CC_AES12hour_100yr	PWOPRMHS0001603	0.16	76	160	0.6	0
HC06-28	CC_AES12hour_100yr	PWOPRMHS0001604	0.2	80	50	0.5	0
HC06-29	CC_AES12hour_100yr	PWOPRMHS0001606	1.24	8	364.706	0.6	0
HC06-30	CC_AES12hour_100yr	PWOPRMHS0001670	0.33	48	100	1.5	0
HC06-31	CC_AES12hour_100yr	42	1.81	1.6	754.167	1.8	0
HC06-32	CC_AES12hour_100yr	PWOPRMHS0005003	1.35	5.2	421.875	0.4	0
HC07-01	CC_AES12hour_100yr	PWOPRMHS0001697	3.02	17.2	915.152	0.2	0
HC07-02	CC_AES12hour_100yr	PWOPRMHS0001733	1.15	18.8	396.552	0.5	0
HC07-03	CC_AES12hour_100yr	PWOPRMHS0001736	0.37	15.2	246.667	0.6	0
HC07-04	CC_AES12hour_100yr	PWOPRMHS0001878	0.34	11.6	100	0.8	0
HC07-05	CC_AES12hour_100yr	PWOPRMHS0001614	0.29	15.2	85.294	0.1	0
HC07-06	CC_AES12hour_100yr	PWOPRMHS0001881	2.06	14	515	0.3	0
HC07-07	CC_AES12hour_100yr	PWOPRMHS0001643	0.38	14	95	1	0
HC07-08	CC_AES12hour_100yr	PWOPRMHS0001642	0.19	57.6	47.5	0.1	0
HC07-09	CC_AES12hour_100yr	PWOPRMHS0001611	0.25	17.6	92.593	3.3	0
HC08-01	CC_AES12hour_100yr	PWOPRMHS0005908	0.69	17.2	222.581	0.7	0
HC08-02	CC_AES12hour_100yr	PWOPRMHS0005909	2.32	18.8	644.444	0.5	0

```
HC08-03          CC_AES12hour_100yr PWOPRMHS0005924 2       15.2     588.235  0.4      0
HC08-04          CC_AES12hour_100yr PWOPRMHS0005926 0.69    11.6     143.75   0.6      0
HC08-05          CC_AES12hour_100yr PWOPRMHS0005927 0.65    15.2     191.176  1.1      0
HC08-06          CC_AES12hour_100yr PWOPRMHS0005932 1.18    14       310.526  1        0
HC08-07          CC_AES12hour_100yr PWOPRMHS0005944 0.55    14       134.146  1.4      0
HC08-08          CC_AES12hour_100yr PWOPRMHS0005931 0.41    57.6     215.789  0.4      0
HC08-09          CC_AES12hour_100yr PWOPRMHS0005946 1.78    17.6     508.571  0.5      0
HC08-10          CC_AES12hour_100yr PWOPRMHS0005930 1.32    1.6      660      1.4      0
HC09-01          CC_AES12hour_100yr PWOPRMHS0001390 0.95    20       237.5    0.3      0
HC09-02          CC_AES12hour_100yr PWOPRMHS0001392 1.03    14       302.941  1        0
HC09-03          CC_AES12hour_100yr PWOPRMHS0001402 0.97    15.2     269.444  0.6      0
HC09-04          CC_AES12hour_100yr PWOPRMHS0001395 2.54    11.2     819.355  0.9      0
HC09-05          CC_AES12hour_100yr PWOPRMHS0001398 2.6     12.4     702.703  1.3      0
HC09-06          CC_AES12hour_100yr PWOPRMHS0001401 1.23    12       476.744  0.7      0
HC09-07          CC_AES12hour_100yr 36             0.48     8        266.667  0.3      0
HC10-01          CC_AES12hour_100yr PWOPRMHS0001408 4.47    12.3     1064.286 1.7      0
HC10-02          CC_AES12hour_100yr PWOPRMHS0001467 2.53    28.3     527.083  1.3      0
HC10-03          CC_AES12hour_100yr PWOPRMHS0001393 1.86    26.9     422.727  0.4      0
HC10-04          CC_AES12hour_100yr PWOPRMHS0001424 1.84    15.5     418.182  2.8      0
HC10-05          CC_AES12hour_100yr PWOPRMHS0001389 2.41    14.2     535.556  0.5      0
HC10-06          CC_AES12hour_100yr PWOPRMHS0001388 1.33    12.4     369.444  0.6      0
HC10-07          CC_AES12hour_100yr PWOPRMHS0001429 1.71    16.5     488.571  1.2      0
HC10-08          CC_AES12hour_100yr PWOPRMHS0001371 1.19    14.9     476      3.7      0
HC10-09          CC_AES12hour_100yr MHEasement2    1.39     12.2     315.909  1.1      0
HC10-10          CC_AES12hour_100yr PWOPRMHS0001423 0.28    14.9     93.333   1.9      0
HC10-11          CC_AES12hour_100yr PWOPRMHS0001422 0.27    19.5     158.824  2.1      0
HC10-12          CC_AES12hour_100yr 50             0.9      2.4      428.571  0.7      0
HC10-13          CC_AES12hour_100yr MHEasement1    0.59     16       131.111  0.8      0
HC10-14          CC_AES12hour_100yr PWOPRMHS0001374 0.46    16.3     115      2.1      0
HC10-15          CC_AES12hour_100yr PWOPRMHS0001420 0.4     16.5     160      1.6      0

[SUBAREAS]
;;Subcatchment   N-Imperv   N-Perv     S-Imperv   S-Perv     PctZero    RouteTo    PctRouted
;;-------------- ---------- ---------- ---------- ---------- ---------- ---------- ----------
A1               0.013      0.2        1          5          25         OUTLET
A1.1             0.013      0.2        1          5          25         OUTLET
A1.1_FRST        0.013      0.2        1          7          25         OUTLET
A2               0.013      0.2        1          5          25         OUTLET
A2.1             0.013      0.2        1          5          25         OUTLET
A2.1_FRST        0.013      0.2        1          7          25         OUTLET
A2.2             0.013      0.2        1          5          25         OUTLET
```

A2.2_FRST	0.013	0.2	1	7	25	OUTLET
A3	0.013	0.2	1	5	25	OUTLET
A3.1	0.013	0.2	1	5	25	OUTLET
A3.1_FRST	0.013	0.2	1	7	25	OUTLET
A3.2	0.013	0.2	1	5	25	OUTLET
A3.2_FRST	0.013	0.2	1	7	25	OUTLET
A3.3	0.013	0.2	1	5	25	OUTLET
A3.3_FRST	0.013	0.2	1	7	25	OUTLET
A4	0.013	0.2	1	5	25	OUTLET
A4.1	0.013	0.2	1	5	25	OUTLET
A4.1_FRST	0.013	0.2	1	7	25	OUTLET
A4.2	0.013	0.2	1	5	25	OUTLET
A4.2_FRST	0.013	0.2	1	7	25	OUTLET
A4.3	0.013	0.2	1	5	25	OUTLET
A4.3_FRST	0.013	0.2	1	7	25	OUTLET
A4.4_FRST	0.013	0.2	1	7	25	OUTLET
A4.5	0.013	0.2	1	5	25	OUTLET
A4.5_FRST	0.013	0.2	1	7	25	OUTLET
A4.6	0.013	0.2	1	5	25	OUTLET
A4.6_FRST	0.013	0.2	1	7	25	OUTLET
B1	0.013	0.2	1	5	25	OUTLET
B1.1	0.013	0.2	1	5	25	OUTLET
B1.1_FRST	0.013	0.2	1	7	25	OUTLET
B2	0.013	0.2	1	5	25	OUTLET
B2.1	0.013	0.2	1	5	25	OUTLET
B2.1_FRST	0.013	0.2	1	7	25	OUTLET
C1	0.013	0.2	1	5	25	OUTLET
C1.1	0.013	0.2	1	5	25	OUTLET
C1.1_FRST	0.013	0.2	1	7	25	OUTLET
D1	0.013	0.2	1	5	25	OUTLET
D1.1	0.013	0.2	1	5	25	OUTLET
D1.1_FRST	0.013	0.2	1	7	25	OUTLET
D2	0.013	0.2	1	5	25	OUTLET
D2.1	0.013	0.2	1	5	25	OUTLET
D2.1_FRST	0.013	0.2	1	7	25	OUTLET
D3	0.013	0.2	1	5	25	OUTLET
D3.1	0.013	0.2	1	5	25	OUTLET
D4	0.013	0.2	1	5	25	OUTLET
D4.1	0.013	0.2	1	5	25	OUTLET
D4.1_FRST	0.013	0.2	1	7	25	OUTLET
E1	0.013	0.2	1	5	25	OUTLET

E1.1	0.013	0.2	1	5	25	OUTLET
E1.1_FRST	0.013	0.2	1	7	25	OUTLET
E2	0.013	0.2	1	5	25	OUTLET
E2.1	0.013	0.2	1	5	25	OUTLET
E2.1_FRST	0.013	0.2	1	7	25	OUTLET
E3	0.013	0.2	1	5	25	OUTLET
E3.1	0.013	0.2	1	5	25	OUTLET
E3.1_FRST	0.013	0.2	1	7	25	OUTLET
HC01-01	0.013	0.2	1	5	25	OUTLET
HC01-02	0.013	0.2	1	5	25	OUTLET
HC01-03	0.013	0.2	1	5	25	OUTLET
HC01-04	0.013	0.2	1	5	25	OUTLET
HC01-05	0.013	0.2	1	5	25	OUTLET
HC01-06	0.013	0.2	1	5	25	OUTLET
HC01-07	0.013	0.2	1	5	25	OUTLET
HC01-08	0.013	0.2	1	5	25	OUTLET
HC01-09	0.013	0.2	1	5	25	OUTLET
HC01-10	0.013	0.2	1	5	25	OUTLET
HC01-11	0.013	0.2	1	5	25	OUTLET
HC01-12	0.013	0.2	1	5	25	OUTLET
HC02-01	0.013	0.2	1	5	25	OUTLET
HC02-02	0.013	0.2	1	5	25	OUTLET
HC02-03	0.013	0.2	1	5	25	OUTLET
HC02-04	0.013	0.2	1	5	25	OUTLET
HC02-05	0.013	0.2	1	5	25	OUTLET
HC02-06	0.013	0.2	1	5	25	OUTLET
HC02-07	0.013	0.2	1	5	25	OUTLET
HC02-08	0.013	0.2	1	5	25	OUTLET
HC02-09	0.013	0.2	1	5	25	OUTLET
HC02-10	0.013	0.2	1	5	25	OUTLET
HC02-11	0.013	0.2	1	5	25	OUTLET
HC02-12	0.013	0.2	1	5	25	OUTLET
HC02-13	0.013	0.2	1	5	25	OUTLET
HC02-14	0.013	0.2	1	5	25	OUTLET
HC02-15	0.013	0.2	1	5	25	OUTLET
HC02-16	0.013	0.2	1	5	25	OUTLET
HC02-17	0.013	0.2	1	5	25	OUTLET
HC02-18	0.013	0.2	1	5	25	OUTLET
HC02-19	0.013	0.2	1	5	25	OUTLET
HC02-20	0.013	0.2	1	5	25	OUTLET
HC02-21	0.013	0.2	1	5	25	OUTLET

HC02-22	0.013	0.2	1	5	25	OUTLET
HC02-23	0.013	0.2	1	5	25	OUTLET
HC02-24	0.013	0.2	1	5	25	OUTLET
HC02-25	0.013	0.2	1	5	25	OUTLET
HC02-26	0.013	0.2	1	5	25	OUTLET
HC02-27	0.013	0.2	1	5	25	OUTLET
HC02-28	0.013	0.2	1	5	25	OUTLET
HC02-29	0.013	0.2	1	5	25	OUTLET
HC02-30	0.013	0.2	1	5	25	OUTLET
HC02-31	0.013	0.2	1	5	25	OUTLET
HC02-32	0.013	0.2	1	5	25	OUTLET
HC02-33	0.013	0.2	1	5	25	OUTLET
HC02-34	0.013	0.2	1	5	25	OUTLET
HC02-35	0.013	0.2	1	5	25	OUTLET
HC02-36	0.013	0.2	1	5	25	OUTLET
HC02-37	0.013	0.2	1	5	25	OUTLET
HC02-38	0.013	0.2	1	5	25	OUTLET
HC02-39	0.013	0.2	1	5	25	OUTLET
HC03-01	0.013	0.2	1	5	25	OUTLET
HC03-02	0.013	0.2	1	5	25	OUTLET
HC03-03	0.013	0.2	1	5	25	OUTLET
HC03-04	0.013	0.2	1	5	25	OUTLET
HC03-05	0.013	0.2	1	5	25	OUTLET
HC03-06	0.013	0.2	1	5	25	OUTLET
HC03-07	0.013	0.2	1	5	25	OUTLET
HC03-08	0.013	0.2	1	5	25	OUTLET
HC03-09	0.013	0.2	1	5	25	OUTLET
HC03-10	0.013	0.2	1	5	25	OUTLET
HC03-11	0.013	0.2	1	5	25	OUTLET
HC03-12	0.013	0.2	1	5	25	OUTLET
HC03-13	0.013	0.2	1	5	25	OUTLET
HC03-14	0.013	0.2	1	5	25	OUTLET
HC03-15	0.013	0.2	1	5	25	OUTLET
HC03-16	0.013	0.2	1	5	25	OUTLET
HC03-17	0.013	0.2	1	5	25	OUTLET
HC03-18	0.013	0.2	1	5	25	OUTLET
HC03-19	0.013	0.2	1	5	25	OUTLET
HC03-20	0.013	0.2	1	5	25	OUTLET
HC04-01	0.013	0.2	1	5	25	OUTLET
HC04-02	0.013	0.2	1	5	25	OUTLET
HC04-03	0.013	0.2	1	5	25	OUTLET

HC04-04	0.013	0.2	1	5	25	OUTLET
HC04-05	0.013	0.2	1	5	25	OUTLET
HC04-06	0.013	0.2	1	5	25	OUTLET
HC04-07	0.013	0.2	1	5	25	OUTLET
HC04-08	0.013	0.2	1	5	25	OUTLET
HC04-09	0.013	0.2	1	5	25	OUTLET
HC04-10	0.013	0.2	1	5	25	OUTLET
HC04-11	0.013	0.2	1	5	25	OUTLET
HC04-12	0.013	0.2	1	5	25	OUTLET
HC04-13	0.013	0.2	1	5	25	OUTLET
HC04-14	0.013	0.2	1	5	25	OUTLET
HC04-15	0.013	0.2	1	5	25	OUTLET
HC04-16	0.013	0.2	1	5	25	OUTLET
HC04-17	0.013	0.2	1	5	25	OUTLET
HC04-18	0.013	0.2	1	5	25	OUTLET
HC04-19	0.013	0.2	1	5	25	OUTLET
HC04-20	0.013	0.2	1	5	25	OUTLET
HC04-21	0.013	0.2	1	5	25	OUTLET
HC04-22	0.013	0.2	1	5	25	OUTLET
HC04-23	0.013	0.2	1	5	25	OUTLET
HC04-24	0.013	0.2	1	5	25	OUTLET
HC04-25	0.013	0.2	1	5	25	OUTLET
HC04-26	0.013	0.2	1	5	25	OUTLET
HC04-27	0.013	0.2	1	5	25	OUTLET
HC04-28	0.013	0.2	1	5	25	OUTLET
HC04-29	0.013	0.2	1	5	25	OUTLET
HC04-30	0.013	0.2	1	5	25	OUTLET
HC04-31	0.013	0.2	1	5	25	OUTLET
HC04-32	0.013	0.2	1	5	25	OUTLET
HC04-33	0.013	0.2	1	5	25	OUTLET
HC04-34	0.013	0.2	1	5	25	OUTLET
HC04-35	0.013	0.2	1	5	25	OUTLET
HC04-36	0.013	0.2	1	5	25	OUTLET
HC05-01	0.013	0.2	1	5	25	OUTLET
HC05-02	0.013	0.2	1	5	25	OUTLET
HC05-03	0.013	0.2	1	5	25	OUTLET
HC05-04	0.013	0.2	1	5	25	OUTLET
HC05-05	0.013	0.2	1	5	25	OUTLET
HC05-06	0.013	0.2	1	5	25	OUTLET
HC05-07	0.013	0.2	1	5	25	OUTLET
HC05-08	0.013	0.2	1	5	25	OUTLET

HC05-09	0.013	0.2	1	5	25	OUTLET
HC05-10	0.013	0.2	1	5	25	OUTLET
HC05-11	0.013	0.2	1	5	25	OUTLET
HC06-01	0.013	0.2	1	5	25	OUTLET
HC06-02	0.013	0.2	1	5	25	OUTLET
HC06-03	0.013	0.2	1	5	25	OUTLET
HC06-04	0.013	0.2	1	5	25	OUTLET
HC06-05	0.013	0.2	1	5	25	OUTLET
HC06-06	0.013	0.2	1	5	25	OUTLET
HC06-07	0.013	0.2	1	5	25	OUTLET
HC06-08	0.013	0.2	1	5	25	OUTLET
HC06-09	0.013	0.2	1	5	25	OUTLET
HC06-10	0.013	0.2	1	5	25	OUTLET
HC06-11	0.013	0.2	1	5	25	OUTLET
HC06-12	0.013	0.2	1	5	25	OUTLET
HC06-13	0.013	0.2	1	5	25	OUTLET
HC06-14	0.013	0.2	1	5	25	OUTLET
HC06-15	0.013	0.2	1	5	25	OUTLET
HC06-16	0.013	0.2	1	5	25	OUTLET
HC06-17	0.013	0.2	1	5	25	OUTLET
HC06-18	0.013	0.2	1	5	25	OUTLET
HC06-19	0.013	0.2	1	5	25	OUTLET
HC06-20	0.013	0.2	1	5	25	OUTLET
HC06-21	0.013	0.2	1	5	25	OUTLET
HC06-22	0.013	0.2	1	5	25	OUTLET
HC06-23	0.013	0.2	1	5	25	OUTLET
HC06-24	0.013	0.2	1	5	25	OUTLET
HC06-25	0.013	0.2	1	5	25	OUTLET
HC06-26	0.013	0.2	1	5	25	OUTLET
HC06-27	0.013	0.2	1	5	25	OUTLET
HC06-28	0.013	0.2	1	5	25	OUTLET
HC06-29	0.013	0.2	1	5	25	OUTLET
HC06-30	0.013	0.2	1	5	25	OUTLET
HC06-31	0.013	0.2	1	5	25	OUTLET
HC06-32	0.013	0.2	1	5	25	OUTLET
HC07-01	0.013	0.2	1	5	25	OUTLET
HC07-02	0.013	0.2	1	5	25	OUTLET
HC07-03	0.013	0.2	1	5	25	OUTLET
HC07-04	0.013	0.2	1	5	25	OUTLET
HC07-05	0.013	0.2	1	5	25	OUTLET
HC07-06	0.013	0.2	1	5	25	OUTLET

```
HC07-07          0.013      0.2        1          5          25         OUTLET
HC07-08          0.013      0.2        1          5          25         OUTLET
HC07-09          0.013      0.2        1          5          25         OUTLET
HC08-01          0.013      0.2        1          5          25         OUTLET
HC08-02          0.013      0.2        1          5          25         OUTLET
HC08-03          0.013      0.2        1          5          25         OUTLET
HC08-04          0.013      0.2        1          5          25         OUTLET
HC08-05          0.013      0.2        1          5          25         OUTLET
HC08-06          0.013      0.2        1          5          25         OUTLET
HC08-07          0.013      0.2        1          5          25         OUTLET
HC08-08          0.013      0.2        1          5          25         OUTLET
HC08-09          0.013      0.2        1          5          25         OUTLET
HC08-10          0.013      0.2        1          5          25         OUTLET
HC09-01          0.013      0.2        1          5          25         OUTLET
HC09-02          0.013      0.2        1          5          25         OUTLET
HC09-03          0.013      0.2        1          5          25         OUTLET
HC09-04          0.013      0.2        1          5          25         OUTLET
HC09-05          0.013      0.2        1          5          25         OUTLET
HC09-06          0.013      0.2        1          5          25         OUTLET
HC09-07          0.013      0.2        1          5          25         OUTLET
HC10-01          0.013      0.2        1          5          25         OUTLET
HC10-02          0.013      0.2        1          5          25         OUTLET
HC10-03          0.013      0.2        1          5          25         OUTLET
HC10-04          0.013      0.2        1          5          25         OUTLET
HC10-05          0.013      0.2        1          5          25         OUTLET
HC10-06          0.013      0.2        1          5          25         OUTLET
HC10-07          0.013      0.2        1          5          25         OUTLET
HC10-08          0.013      0.2        1          5          25         OUTLET
HC10-09          0.013      0.2        1          5          25         OUTLET
HC10-10          0.013      0.2        1          5          25         OUTLET
HC10-11          0.013      0.2        1          5          25         OUTLET
HC10-12          0.013      0.2        1          5          25         OUTLET
HC10-13          0.013      0.2        1          5          25         OUTLET
HC10-14          0.013      0.2        1          5          25         OUTLET
HC10-15          0.013      0.2        1          5          25         OUTLET

[INFILTRATION]
;;Subcatchment   Suction    HydCon     IMDmax
;;-------------- ---------- ---------- ----------
A1               166        5          0.2
A1.1             248        2          0.2
```

H.10 Input for PCSWMM for Scenario 10

A1.1_FRST	227	3	0.2
A2	192	5	0.2
A2.1	238	4	0.2
A2.1_FRST	235	5	0.2
A2.2	244	3	0.2
A2.2_FRST	229	5	0.2
A3	157	8	0.2
A3.1	250	2	0.2
A3.1_FRST	238	5	0.2
A3.2	242	3	0.2
A3.2_FRST	193	7	0.2
A3.3	249	2	0.2
A3.3_FRST	179	8	0.2
A4	156	6	0.2
A4.1	247	2	0.2
A4.1_FRST	210	6	0.2
A4.2	250	2	0.2
A4.2_FRST	220	4	0.2
A4.3	243	3	0.2
A4.3_FRST	154	9	0.2
A4.4_FRST	144	10	0.2
A4.5	245	2	0.2
A4.5_FRST	233	3	0.2
A4.6	193	7	0.2
A4.6_FRST	152	9	0.2
B1	250	2	0.2
B1.1	250	2	0.2
B1.1_FRST	250	2	0.2
B2	250	2	0.2
B2.1	250	2	0.2
B2.1_FRST	250	2	0.2
C1	147	5	0.2
C1.1	236	3	0.2
C1.1_FRST	151	5	0.2
D1	145	7	0.2
D1.1	147	10	0.2
D1.1_FRST	146	7	0.2
D2	146	6	0.2
D2.1	155	9	0.2
D2.1_FRST	145	8	0.2
D3	172	5	0.2

D3.1	160	9	0.2
D4	145	7	0.2
D4.1	172	8	0.2
D4.1_FRST	150	8	0.2
E1	213	5	0.2
E1.1	188	5	0.2
E1.1_FRST	166	7	0.2
E2	233	3	0.2
E2.1	250	2	0.2
E2.1_FRST	241	3	0.2
E3	170	9	0.2
E3.1	217	5	0.2
E3.1_FRST	201	6	0.2
HC01-01	237	4.6	0.2
HC01-02	237	4.5	0.2
HC01-03	237	4.5	0.2
HC01-04	237	4.7	0.2
HC01-05	237	4.5	0.2
HC01-06	237	4.5	0.2
HC01-07	237	4.5	0.2
HC01-08	237	4.5	0.2
HC01-09	237	4.5	0.2
HC01-10	237	4.5	0.2
HC01-11	237	4.5	0.2
HC01-12	146	4.5	0.2
HC02-01	237	4.4	0.2
HC02-02	237	3.9	0.2
HC02-03	237	4.1	0.2
HC02-04	237	4.3	0.2
HC02-05	237	4.4	0.2
HC02-06	237	4.4	0.2
HC02-07	237	4.5	0.2
HC02-08	237	4.6	0.2
HC02-09	237	4.5	0.2
HC02-10	237	4.6	0.2
HC02-11	237	4.5	0.2
HC02-12	237	4.6	0.2
HC02-13	237	4.6	0.2
HC02-14	237	4.6	0.2
HC02-15	237	4.5	0.2
HC02-16	144	9.7	0.2

HC02-17	146	4.5	0.2
HC02-18	144	9.7	0.2
HC02-19	144	9.6	0.2
HC02-20	237	4.3	0.2
HC02-21	237	4.5	0.2
HC02-22	237	4.5	0.2
HC02-23	237	4.1	0.2
HC02-24	237	3.6	0.2
HC02-25	237	4	0.2
HC02-26	237	3.8	0.2
HC02-27	144	9.6	0.2
HC02-28	144	9.6	0.2
HC02-29	144	9.3	0.2
HC02-30	144	10.4	0.2
HC02-31	144	9.5	0.2
HC02-32	144	9.6	0.2
HC02-33	144	9.5	0.2
HC02-34	144	9.3	0.2
HC02-35	144	10.3	0.2
HC02-36	144	10	0.2
HC02-37	144	10	0.2
HC02-38	237	4.5	0.2
HC02-39	237	4.6	0.2
HC03-01	237	3.7	0.2
HC03-02	237	4.4	0.2
HC03-03	237	4.4	0.2
HC03-04	237	4.4	0.2
HC03-05	237	4.2	0.2
HC03-06	237	4.5	0.2
HC03-07	237	4.4	0.2
HC03-08	144	9.9	0.2
HC03-09	144	10	0.2
HC03-10	144	9.9	0.2
HC03-11	144	9.9	0.2
HC03-12	144	9.7	0.2
HC03-13	144	9.5	0.2
HC03-14	144	7.6	0.2
HC03-15	144	9.7	0.2
HC03-16	144	9.5	0.2
HC03-17	237	4.2	0.2
HC03-18	237	3.6	0.2

HC03-19	237	4.7	0.2
HC03-20	237	4.7	0.2
HC04-01	146	4.6	0.2
HC04-02	144	10	0.2
HC04-03	144	10	0.2
HC04-04	146	4.6	0.2
HC04-05	144	9.8	0.2
HC04-06	144	9.8	0.2
HC04-07	144	9.1	0.2
HC04-08	144	9.9	0.2
HC04-09	144	9.8	0.2
HC04-10	144	9.8	0.2
HC04-11	144	10.2	0.2
HC04-12	144	9.8	0.2
HC04-13	144	9.5	0.2
HC04-14	237	4.5	0.2
HC04-15	237	4.5	0.2
HC04-16	237	4.4	0.2
HC04-17	237	4.5	0.2
HC04-18	237	4.5	0.2
HC04-19	237	4.6	0.2
HC04-20	237	4.6	0.2
HC04-21	237	4.5	0.2
HC04-22	237	4.5	0.2
HC04-23	237	4.6	0.2
HC04-24	237	4.5	0.2
HC04-25	146	4.5	0.2
HC04-26	144	9.8	0.2
HC04-27	237	4.6	0.2
HC04-28	144	9.5	0.2
HC04-29	146	4.5	0.2
HC04-30	146	4.5	0.2
HC04-31	144	9.4	0.2
HC04-32	144	9.5	0.2
HC04-33	144	9.7	0.2
HC04-34	144	10	0.2
HC04-35	144	9.7	0.2
HC04-36	146	4.3	0.2
HC05-01	146	4.6	0.2
HC05-02	146	4.6	0.2
HC05-03	144	5	0.2

HC05-04	144	10	0.2
HC05-05	144	9.3	0.2
HC05-06	144	9.7	0.2
HC05-07	144	9.8	0.2
HC05-08	144	9.7	0.2
HC05-09	144	9.8	0.2
HC05-10	144	9.6	0.2
HC05-11	144	10	0.2
HC06-01	237	4.4	0.2
HC06-02	237	4.4	0.2
HC06-03	237	4.8	0.2
HC06-04	237	4.8	0.2
HC06-05	237	4.5	0.2
HC06-06	237	4.5	0.2
HC06-07	146	4.5	0.2
HC06-08	237	4.5	0.2
HC06-09	237	4.5	0.2
HC06-10	237	4.5	0.2
HC06-11	146	4.4	0.2
HC06-12	146	4.4	0.2
HC06-13	144	8.2	0.2
HC06-14	144	7.8	0.2
HC06-15	144	3.5	0.2
HC06-16	144	5.9	0.2
HC06-17	144	8	0.2
HC06-18	144	8	0.2
HC06-19	144	3.5	0.2
HC06-20	144	3.5	0.2
HC06-21	144	6.6	0.2
HC06-22	144	3.5	0.2
HC06-23	144	6.2	0.2
HC06-24	144	3.5	0.2
HC06-25	146	4.4	0.2
HC06-26	144	9.7	0.2
HC06-27	144	5	0.2
HC06-28	144	3.5	0.2
HC06-29	146	4.7	0.2
HC06-30	146	4.2	0.2
HC06-31	144	10.3	0.2
HC06-32	144	10	0.2
HC07-01	144	9.7	0.2

HC07-02	144	9.8	0.2
HC07-03	144	9.6	0.2
HC07-04	144	9.7	0.2
HC07-05	144	9.8	0.2
HC07-06	144	9.7	0.2
HC07-07	144	9.8	0.2
HC07-08	144	9.6	0.2
HC07-09	144	10.3	0.2
HC08-01	146	4.5	0.2
HC08-02	146	4.4	0.2
HC08-03	144	9.5	0.2
HC08-04	146	4.6	0.2
HC08-05	146	4.3	0.2
HC08-06	146	4.5	0.2
HC08-07	146	4.5	0.2
HC08-08	146	3.7	0.2
HC08-09	146	4.2	0.2
HC08-10	146	4.7	0.2
HC09-01	144	10.1	0.2
HC09-02	144	10.2	0.2
HC09-03	144	9.9	0.2
HC09-04	144	10	0.2
HC09-05	144	9.9	0.2
HC09-06	144	9.9	0.2
HC09-07	144	9.7	0.2
HC10-01	144	10.1	0.2
HC10-02	144	9.4	0.2
HC10-03	144	9.6	0.2
HC10-04	144	9.9	0.2
HC10-05	144	10	0.2
HC10-06	144	9.9	0.2
HC10-07	144	9.9	0.2
HC10-08	144	10	0.2
HC10-09	144	9.9	0.2
HC10-10	144	10	0.2
HC10-11	144	9.8	0.2
HC10-12	144	10.3	0.2
HC10-13	144	9.9	0.2
HC10-14	144	9.9	0.2
HC10-15	144	9.9	0.2

H.10 Input for PCSWMM for Scenario 10

```
[LID_CONTROLS]
;;               Type/Layer Parameters
;;-------------- ---------- ----------
LID_WETLAND      BC
LID_WETLAND      SURFACE    150        0.5        0.1        2.6        5
LID_WETLAND      SOIL       1000       0.45       0.12       0.06       220        45         55
LID_WETLAND      STORAGE    250        0.4        5          0
LID_WETLAND      DRAIN      0          0.5        6          6          0          0

[LID_USAGE]
;;Subcatchment   LID Process      Number  Area       Width      InitSatur  FromImprv  ToPerv     Report File
Drain to         FromPerv
;;-------------- ---------------- ------- ---------- ---------- ---------- ---------- ---------- ------------------
------ ---------------- ----------------
A1               LID_WETLAND      22      400        20         25         100        0          *
*                100
A2               LID_WETLAND      31      400        20         25         100        0          *
*                100
A3               LID_WETLAND      310     400        20         25         100        0          *
*                100
A4               LID_WETLAND      1130    400        20         25         100        0          *
*                100
B1               LID_WETLAND      3       400        20         25         100        0          *
*                100
B2               LID_WETLAND      4       400        20         25         100        0          *
*                100
C1               LID_WETLAND      17      400        20         25         100        0          *
*                100
D1               LID_WETLAND      71      400        20         25         100        0          *
*                100
D2               LID_WETLAND      75      400        20         25         100        0          *
*                100
D3               LID_WETLAND      51      400        20         25         100        0          *
*                100
D4               LID_WETLAND      13      400        20         25         100        0          *
*                100
E1               LID_WETLAND      35      400        20         25         100        0          *
*                100
E2               LID_WETLAND      5       400        20         25         100        0          *
*                100
E3               LID_WETLAND      32      400        20         25         100        0          *
*                100
```

H.10 Input for PCSWMM for Scenario 10

```
[JUNCTIONS]
;;               Invert     Max.       Init.      Surcharge  Ponded
;;Name           Elev.      Depth      Depth      Depth      Area
;;-------------- ---------- ---------- ---------- ---------- ----------
1                332.644    3          0          0          0
11               316.607    3          0          0          0
12               315.5      3          0          0          0
;07
13               314.5      3          0          0          0
14               331.1      3          0          0          0
15               313.95     3          0          0          0
17               312        3          0          0          0
;02
18               322.5      3          0          0          0
19               323.5      3          0          0          0
2                324        3          0          0          0
20               330.1      0          0          0          0
;05
21               321.1      3          0          0          0
;03
22               321.5      3          0          0          0
24               320.5      3          0          0          0
25               321.103    3          0          0          0
26               327.931    3          0          0          0
27               326.5      3          0          0          0
28               326.1      3          0          0          0
29               323.893    3          0          0          0
3                330.57     3          0          0          0
30               320.5      3          0          0          0
;06
31               320.148    3          0          0          0
32               319        3          0          0          0
34               317.868    3          0          0          0
35               317.5      3          0          0          0
36               315.5      3          0          0          0
37               324.1      3          0          0          0
39               321.3      3          0          0          0
4                325        3          0          0          0
40               319.1      3          0          0          0
42               322.1      3          0          0          0
48               324.6      3          0          0          0
```

```
49                321.6      3          0          0          0
;01
5                 329.5      3          0          0          0
50                318.1      3          0          0          0
53                314.1      3          0          0          0
54                313.925    3          0          0          0
;08
56                301.1      3          0          0          0
6                 329        3          0          0          0
7                 318.1      3          0          0          0
8                 320.964    3          0          0          0
;04
9                 320.404    3          0          0          0
;NA
MHEasement1       319.07     3.83       0          0          0
;NA
MHEasement2       318.7      2          0          0          0
;Represents direct connection point of servicing from public school
;Rim elevation approximated by neighbouring MH values and contours
MHSchool          328.55     3.18       0          0.3        0
;NA
MHSWM4            319.25     4.3        0          0.3        0
;NA
PWOPRMHS0001369   319.39     2.49       0          0.3        0
;NA
PWOPRMHS0001370   319.27     3.33       0          0.3        0
;NA
PWOPRMHS0001371   319.82     3.07       0          0.3        0
;NA
PWOPRMHS0001372   320.15     3.07       0          0.3        0
;NA
PWOPRMHS0001373   320.02     2.26       0          0.3        0
;NA
PWOPRMHS0001374   319.69     2.9        0          0.3        0
;NA
PWOPRMHS0001375   319.57     2.83       0          0.3        0
;NA
PWOPRMHS0001386   318.61     2.05       0          0.3        0
;NA
PWOPRMHS0001387   318.75     2.27       0          0.3        0
;NA
```

```
PWOPRMHS0001388  318.93     2.35       0          0.3        0
;NA
PWOPRMHS0001389  319.13     2.39       0          0.3        0
;NA
PWOPRMHS0001390  317.49     3.36       0          0.3        0
;NA
PWOPRMHS0001391  317.27     3.16       0          0.3        0
;NA
PWOPRMHS0001392  318.18     2.66       0          0.3        0
;NA
PWOPRMHS0001393  320.19     2.79       0          0.3        0
;NA
PWOPRMHS0001394  316.86     2.8        0          0.3        0
;NA
PWOPRMHS0001395  316.79     2.63       0          0.3        0
;NA
PWOPRMHS0001398  317.27     3.29       0          0.3        0
;NA
PWOPRMHS0001399  317.15     2.87       0          0.3        0
;NA
PWOPRMHS0001400  316.99     2.75       0          0.3        0
;NA
PWOPRMHS0001401  316.67     2.83       0          0.3        0
;NA
PWOPRMHS0001402  316.5      2.78       0          0.3        0
;NA
PWOPRMHS0001403  321.7      3.25       0          0.3        0
;NA
PWOPRMHS0001404  320.54     2.9        0          0.3        0
;NA
PWOPRMHS0001408  320.83     2.96       0          0.3        0
;NA
PWOPRMHS0001409  327.81     2.43       0          0.3        0
;NA
PWOPRMHS0001410  326.47     3.97       0          0.3        0
;NA
PWOPRMHS0001411  327.47     3.16       0          0.3        0
;NA
PWOPRMHS0001412  331.69     3.81       0          0.3        0
;NA
PWOPRMHS0001413  331.74     3.86       0          0.3        0
```

```
;NA
PWOPRMHS0001415  319.68     2.59       0          0.3        0
;NA
PWOPRMHS0001416  318.99     4.22       0          0.3        0
;NA
PWOPRMHS0001418  318.73     3.45       0          0.3        0
;NA
PWOPRMHS0001419  319.99     3.16       0          0.3        0
;NA
PWOPRMHS0001420  320.5      3.14       0          0.3        0
;NA
PWOPRMHS0001421  320.94     3.21       0          0.3        0
;NA
PWOPRMHS0001422  320.28     2.33       0          0.3        0
;NA
PWOPRMHS0001423  320.43     2.8        0          0.3        0
;NA
PWOPRMHS0001424  320.96     2.34       0          0.3        0
;NA
PWOPRMHS0001428  323.21     3.02       0          0.3        0
;NA
PWOPRMHS0001429  321.35     3.17       0          0.3        0
;NA
PWOPRMHS0001430  321.23     2.88       0          0.3        0
;NA
PWOPRMHS0001431  323.01     3.1        0          0.3        0
;NA
PWOPRMHS0001433  319.78     3.9        0          0.3        0
;NA
PWOPRMHS0001435  319.64     2.89       0          0.3        0
;NA
PWOPRMHS0001436  318.35     5.33       0          0.3        0
;NA
PWOPRMHS0001437  319.38     3.85       0          0.5        0
;NA
PWOPRMHS0001438  318.2      4.24       0          0.3        0
;NA
PWOPRMHS0001467  320.92     2.97       0          0.3        0
PWOPRMHS0001597  324.78     2.86       0          0.3        0
PWOPRMHS0001598  325.49     2.11       0          0.3        0
PWOPRMHS0001600  324.66     3.3        0          0.3        0
```

```
PWOPRMHS0001601  326.15     2          0          0.3        0
PWOPRMHS0001602  325.98     2          0          0.3        0
PWOPRMHS0001603  324.23     3.25       0          0.3        0
PWOPRMHS0001604  323.95     3.47       0          0.3        0
PWOPRMHS0001605  324.34     3.15       0          0.3        0
PWOPRMHS0001606  323.57     3.36       0          0.3        0
PWOPRMHS0001608  325.67     2.5        0          0.3        0
PWOPRMHS0001610  325.44     2.21       0          0.3        0
;NA
PWOPRMHS0001611  322.87     2.24       0          0.3        0
;NA
PWOPRMHS0001614  322.91     3.09       0          0.3        0
;NA
PWOPRMHS0001622  332.73     2.22       0          0.3        0
;NA
PWOPRMHS0001624  330.92     3.93       0          0.3        0
;NA
PWOPRMHS0001625  330.61     4.33       0          0.3        0
;NA
PWOPRMHS0001626  331        4.4        0          0.3        0
;NA
PWOPRMHS0001634  326.21     3.77       0          0.3        0
;NA
PWOPRMHS0001642  323.27     2.84       0          0.3        0
;NA
PWOPRMHS0001643  323.38     2.83       0          0.3        0
;NA
PWOPRMHS0001649  329.21     4.17       0          0.3        0
;NA
PWOPRMHS0001650  329.57     3.87       0          0.3        0
;NA
PWOPRMHS0001651  330.28     4.11       0          0.3        0
;NA
PWOPRMHS0001652  326.89     2.16       0          0.3        0
;NA
PWOPRMHS0001653  325.24     2.15       0          0.3        0
;NA
PWOPRMHS0001654  324.91     2.39       0          0.3        0
;NA
PWOPRMHS0001655  330        3.56       0          0.3        0
;NA
```

```
PWOPRMHS0001657  324.58     2.47       0          0.3        0
;NA
PWOPRMHS0001658  324.92     2.21       0          0.3        0
;NA
PWOPRMHS0001659  325.31     2.46       0          0.3        0
;NA
PWOPRMHS0001660  324.1      2.85       0          0.3        0
;NA
PWOPRMHS0001661B 324.31     2.45       0          0.3        0
;NA
PWOPRMHS0001662  323.95     2.98       0          0.3        0
;NA
PWOPRMHS0001663  324.06     2.66       0          0.3        0
;NA
PWOPRMHS0001664  326.35     2.28       0          0.3        0
PWOPRMHS0001667  323.15     3.08       0          0.3        0
PWOPRMHS0001670  322.92     2          0          0.3        0
PWOPRMHS0001674  325.88     3.53       0          0.3        0
PWOPRMHS0001676  326.33     3.2        0          0.3        0
PWOPRMHS0001677  326.59     3.15       0          0.3        0
;Rim elevation estimated
PWOPRMHS0001678  327.01     2.79       0          0.3        0
PWOPRMHS0001679  335.89     2.66       0          0.3        0
PWOPRMHS0001680  335.06     3.4        0          0.3        0
PWOPRMHS0001682  328.1      3.89       0          0.3        0
PWOPRMHS0001686  328.55     3.6        0          0.3        0
PWOPRMHS0001687  326.4      3.48       0          0.3        0
PWOPRMHS0001688  326.1      3.34       0          0.3        0
PWOPRMHS0001689  326.61     3.68       0          0.3        0
PWOPRMHS0001690  326.74     3.56       0          0.3        0
PWOPRMHS0001691  326.982    3.598      0          0.3        0
PWOPRMHS0001692  327.57     3.44       0          0.3        0
;NA
PWOPRMHS0001695  322.25     3.57       0          0.3        0
;NA
PWOPRMHS0001697  323.91     3.11       0          0.3        0
PWOPRMHS0001705  328.53     3.5        0          0.3        0
PWOPRMHS0001706  327.14     3.06       0          0.3        0
PWOPRMHS0001713  325.51     3.65       0          0.3        0
PWOPRMHS0001729  329.08     3.52       0          0.3        0
PWOPRMHS0001732  328.98     3.3        0          0.3        0
```

```
;NA
PWOPRMHS0001733  324.05     2.7        0          0.3        0
;NA
PWOPRMHS0001736  323.4      3.15       0          0.3        0
PWOPRMHS0001739  328.89     3.32       0          0.3        0
PWOPRMHS0001740  328.72     3.33       0          0.3        0
PWOPRMHS0001741  329.48     2.76       0          0.3        0
PWOPRMHS0001743  327.29     3.33       0          0.3        0
PWOPRMHS0001744  327.73     3.33       0          0.3        0
PWOPRMHS0001745  328.06     3.3        0          0.3        0
PWOPRMHS0001746  327.93     3.33       0          0.3        0
;NA
PWOPRMHS0001761  329.15     2.76       0          0.3        0
;NA
PWOPRMHS0001764  327.46     3.78       0          0.3        0
;NA
PWOPRMHS0001765  328.04     2.39       0          0.3        0
;NA
PWOPRMHS0001766  328.32     2.41       0          0.3        0
;NA
PWOPRMHS0001767  327.25     3.62       0          0.3        0
;NA
PWOPRMHS0001768  327.85     2.58       0          0.3        0
;NA
PWOPRMHS0001788  322.94     3.97       0          0.3        0
;NA
PWOPRMHS0001791  325.59     5.96       0          0.3        0
;NA
PWOPRMHS0001792  325.24     6.82       0          0.3        0
;NA
PWOPRMHS0001796  326.65     4.02       0          0          0
;NA
PWOPRMHS0001797  326.4      4.83       0          0          0
;NA
PWOPRMHS0001798  326.06     5.77       0          0.3        0
;NA
PWOPRMHS0001804  331.98     3.61       0          0.3        0
;NA
PWOPRMHS0001836  324.56     5.25       0          0.3        0
;NA
PWOPRMHS0001855  326.21     3.73       0          0.3        0
```

```
;NA
PWOPRMHS0001856  327.73     3.67       0          0.3        0
;NA
PWOPRMHS0001857  322.43     3.51       0          0.3        0
;NA
PWOPRMHS0001858  329.93     3.69       0          0.3        0
;NA
PWOPRMHS0001867  331.94     2.78       0          0.3        0
PWOPRMHS0001874  329.87     3.05       0          0.3        0
;NA
PWOPRMHS0001878  323.28     2.96       0          0.3        0
;NA
PWOPRMHS0001879  323.04     3.03       0          0.3        0
;NA
PWOPRMHS0001881  323.57     2.92       0          0.3        0
;NA
PWOPRMHS0001889  324.63     3.44       0          0.3        0
;NA
PWOPRMHS0001890  324.52     3.31       0          0.3        0
;NA
PWOPRMHS0001891  325.1      2.9        0          0.3        0
;NA
PWOPRMHS0001894  324.23     3          0          0.3        0
;NA
PWOPRMHS0001903  332.72     2.54       0          0.3        0
;NA
PWOPRMHS0001904  330.44     3.67       0          0.3        0
;NA
PWOPRMHS0001906  318.8      3.49       0          0.3        0
;NA
PWOPRMHS0001907  318.83     2.99       0          0.3        0
;NA
PWOPRMHS0001908  319.55     3.08       0          0.3        0
;NA
PWOPRMHS0001911  318.49     3.65       0          0.3        0
;NA
PWOPRMHS0001912  317.51     3.82       0          0.3        0
;NA
PWOPRMHS0001914  331.83     2.71       0          0.3        0
;NA
PWOPRMHS0001915  329.19     3.84       0          0.3        0
```

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;NA
PWOPRMHS0001916  327.59     3.14       0          0.3        0
;NA
PWOPRMHS0001917  319.24     2.98       0          0.3        0
;NA
PWOPRMHS0001918  317.81     4.03       0          0.3        0
PWOPRMHS0001919  327.8      2.84       0          0.3        0
;NA
PWOPRMHS0001925  323.33     3.36       0          0.3        0
;NA
PWOPRMHS0001926  322.69     2.47       0          0.3        0
;NA
PWOPRMHS0001927  323.51     2.31       0          0.3        0
;NA
PWOPRMHS0001928  322.2      2.41       0          0.3        0
;NA
PWOPRMHS0001929  323.85     3.52       0          0.3        0
;NA
PWOPRMHS0001930  323.07     3.07       0          0.3        0
;NA
PWOPRMHS0001931  324.99     5.43       0          0.3        0
;NA
PWOPRMHS0001932  325.31     8.34       0          0.3        0
;NA
PWOPRMHS0001933  325.66     9.07       0          0.3        0
;NA
PWOPRMHS0001935  326.03     7.44       0          0.3        0
;NA
PWOPRMHS0001937  324.28     3.82       0          0.3        0
;NA
PWOPRMHS0001939  327.51     3.59       0          0.3        0
;NA
PWOPRMHS0001941  326.79     3.74       0          0          0
;NA
PWOPRMHS0001943  326.42     5.3        0          0.3        0
;NA
PWOPRMHS0001944  322.64     3          0          0.3        0
;NA
PWOPRMHS0001945  323.32     2.88       0          0.3        0
;NA
PWOPRMHS0001947  324.02     2.7        0          0.3        0
```

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PWOPRMHS0002041  329.07     2.98       0          0.3        0
PWOPRMHS0002042  329.56     4.01       0          0.3        0
PWOPRMHS0002046  330.72     2.86       0          0.3        0
PWOPRMHS0002050  328.97     2.87       0          0.3        0
PWOPRMHS0002051  328.27     3.3        0          0.3        0
;NA
PWOPRMHS0002080  325.23     3.1        0          0.3        0
;NA
PWOPRMHS0002082  326.71     4.05       0          0.3        0
;NA
PWOPRMHS0002083  325.32     3.61       0          0.3        0
;NA
PWOPRMHS0002084  324.97     3.82       0          0.3        0
;NA
PWOPRMHS0002085  329.39     3.11       0          0.3        0
PWOPRMHS0002095  336.04     3.41       0          0.3        0
PWOPRMHS0003136  328.89     3.7        0          0.3        0
PWOPRMHS0003137  329.5      3.26       0          0.3        0
PWOPRMHS0003140  327.35     2.76       0          0.3        0
PWOPRMHS0003146  334.6      3.92       0          0.3        0
PWOPRMHS0003147  333.79     2.72       0          0.3        0
PWOPRMHS0003148  331.89     3.16       0          0.3        0
PWOPRMHS0003149  330.86     3.81       0          0.3        0
PWOPRMHS0003153  336.16     2.43       0          0.3        0
PWOPRMHS0003160  335.5      2.92       0          0.3        0
PWOPRMHS0004129  329.07     2          0          0.3        0
PWOPRMHS0004130  328.83     2.13       0          0.3        0
PWOPRMHS0004131  328.57     2          0          0.3        0
PWOPRMHS0004132  328.13     2.51       0          0.3        0
PWOPRMHS0004133  328.79     2          0          0.3        0
PWOPRMHS0004134  331.94     2          0          0.3        0
PWOPRMHS0004135  332.43     2.02       0          0.3        0
PWOPRMHS0004137  334.38     2.53       0          0.3        0
PWOPRMHS0004141  327.38     2.19       0          0.3        0
PWOPRMHS0004142  327.04     2.46       0          0.3        0
PWOPRMHS0004143  327.78     2          0          0.3        0
PWOPRMHS0004146  332.4      2          0          0.3        0
PWOPRMHS0004159  329.63     2          0          0.3        0
PWOPRMHS0004201  329.52     2          0          0.3        0
PWOPRMHS0004998  326.73     2          0          0.3        0
PWOPRMHS0004999  327.49     2          0          0.3        0
```

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PWOPRMHS0005000  326.99     2.32       0          0.3        0
PWOPRMHS0005001  327.12     2.55       0          0.3        0
PWOPRMHS0005003  326.19     2          0          0.3        0
PWOPRMHS0005008  338.52     4.48       0          0.3        0
PWOPRMHS0005009  339.39     4.26       0          0.3        0
PWOPRMHS0005010  338.14     4.66       0          0.3        0
PWOPRMHS0005011  334.98     3.72       0          0.3        0
PWOPRMHS0005012  335.55     3.95       0          0.3        0
PWOPRMHS0005013  334.8      3.45       0          0.3        0
PWOPRMHS0005178  328.64     2          0          0.3        0
;NA
PWOPRMHS0005179  326.2      4.1        0          0.3        0
;NA
PWOPRMHS0005181  326.66     3.12       0          0.3        0
;NA
PWOPRMHS0005183  327.74     2.96       0          0.3        0
;NA
PWOPRMHS0005188  329.94     2.33       0          0.3        0
;NA
PWOPRMHS0005196  328.21     2.69       0          0.3        0
;NA
PWOPRMHS0005223  325.84     3.81       0          0.3        0
;NA
PWOPRMHS0005226  325.46     3.04       0          0.3        0
;NA
PWOPRMHS0005229  324.74     2.51       0          0.3        0
;NA
PWOPRMHS0005230  324.55     2.65       0          0.3        0
;NA
PWOPRMHS0005231  325.24     2.4        0          0.3        0
;NA
PWOPRMHS0005906  319.63     2          0          0.3        0
;NA
PWOPRMHS0005908  318.92     2.18       0          0.3        0
;NA
PWOPRMHS0005909  318.44     2.56       0          0.3        0
;NA
PWOPRMHS0005910  318.95     2.55       0          0.3        0
;NA
PWOPRMHS0005911  319.29     2.46       0          0.3        0
;NA
```

```
PWOPRMHS0005924  318.6      2.4        0          0.3        0
;NA
PWOPRMHS0005926  318.05     2.75       0          0.3        0
;NA
PWOPRMHS0005927  317.76     2.44       0          0.3        0
;NA
PWOPRMHS0005930  317.25     2.3        0          0.3        0
;NA
PWOPRMHS0005931  317.7      2          0          0.3        0
;NA
PWOPRMHS0005932  317.88     2          0          0.3        0
;NA
PWOPRMHS0005944  318.32     2.18       0          0.3        0
;NA
PWOPRMHS0005945  318.22     2          0          0.3        0
;NA
PWOPRMHS0005946  318.5      2          0          0.3        0
SWMPOND          322        3          0          0.3        0

[OUTFALLS]
;;               Invert     Outfall    Stage/Table      Tide
;;Name           Elev.      Type       Time Series      Gate     Route To
;;-------------- ---------- ---------- ---------------- -------- ----------------
A1_OVERFLOW      317        FREE                        NO       A1
A2_OVERFLOW      329        FREE                        NO       A2
A3_OVERFLOW      326        FREE                        NO       A3
A4_OVERFLOW      317        FREE                        NO       A4
B1_OVERFLOW      324        FREE                        NO       B1
B2_OVERFLOW      322        FREE                        NO       B2
C1_OVERFLOW      319        FREE                        NO       C1
D1_OVERFLOW      324.5      FREE                        NO       D1
D2_OVERFLOW      321        FREE                        NO       D3
D3_OVERFLOW      321.5      FREE                        NO       D3
D4_OVERFLOW      318        FREE                        NO       D4
E1_OVERFLOW      314        FREE                        NO       E1
E2_OVERFLOW      313.9      FREE                        NO       E2
HanlonCreek      300        FREE                        NO

[STORAGE]
;;               Invert   Max.       Init.      Storage    Curve                                  Evap.
;;Name           Elev.    Depth      Depth      Curve      Params                                 Frac.
Infiltration parameters
```

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;;-------------- -------- ---------- ---------- ---------- --------- --------- -------- -------- -------- ---------
--------------
S_A1             331      3          0          TABULAR    SWM_A1                     0        0
S_A2             330      3          0          TABULAR    SWM_A2                     0        0
S_A3             326      3          0          TABULAR    SWM_A3                     0        0
S_A4             318      3          0          TABULAR    SWM_A4                     0        0
S_B1             324      3          0          TABULAR    SWM_B1                     0        0
S_B2             322      3          0          TABULAR    SWM_B2                     0        0
S_C1             319      3          0          TABULAR    SWM_C1                     0        0
S_D1             324.5    3          0          TABULAR    SWM_D1                     0        0
S_D2             321      3          0          TABULAR    SWM_D2                     0        0
S_D3             321.5    3          0          TABULAR    SWM_D3                     0        0
S_D4             318      3          0          TABULAR    SWM_D4                     0        0
S_E1             314      3          0          TABULAR    SWM_E1                     0        0
S_E2             313.9    3          0          TABULAR    SWM_E2                     0        0

[CONDUITS]
;;               Inlet            Outlet                      Manning    Inlet      Outlet     Init.      Max.
;;Name           Node             Node             Length     N          Offset     Offset     Flow       Flow
;;-------------- ---------------- ---------------- ---------- ---------- ---------- ---------- ---------- ---------
-
1                1                14               360.305    0.013      0          0          0          0
10               24               9                457.949    0.013      0          0          0          0
11               18               42               301.149    0.013      0          0          0          0
12               S_B2             22               131.83     0.013      0          0          0          0
13               19               S_B1             124.967    0.013      0          0          0          0
14               19               18               146.578    0.013      0          0          0          0
15               22               25               93.126     0.013      0          0          0          0
16               2                8                631.141    0.013      324        320.964    0          0
17               25               24               181.69     0.013      0          0          0          0
18               9                7                420.604    0.013      0          0          0          0
19               11               12               195.669    0.013      0          0          0          0
2                S_A1             3                43.668     0.013      0          0          0          0
20               12               13               179.641    0.013      0          0          0          0
21               13               53               212.047    0.013      0          0          0          0
22               S_E1             15               69.292     0.013      0          0          0          0
23               15               54               67.515     0.013      0          0          0          0
24               S_E2             17               107.785    0.013      0          0          0          0
25               26               27               458.274    0.013      0          0          0          0
26               39               21               482.961    0.013      0          0          0          0
27               27               48               289.263    0.013      0          0          0          0
```

28	S_D1	29	122.671	0.013	0	0	0	0
29	30	31	89.546	0.013	0	0	0	0
3	3	20	432.496	0.013	0	0	0	0
30	31	32	191.886	0.013	0	0	0	0
31	32	50	225.886	0.013	0	0	0	0
32	S_D4	34	122.316	0.013	0	0	0	0
33	34	35	72.595	0.013	0	0	0	0
34	35	36	438.635	0.013	0	0	0	0
35	36	13	141.013	0.013	0	0	0	0
36	14	S_A1	34.424	0.013	0	331	0	0
37	S_D3	39	91.663	0.013	0	0	0	0
38	29	21	402.301	0.013	0	0	0	0
39	21	S_D2	78.042	0.013	0	0	0	0
4	S_A2	5	94.929	0.013	0	0	0	0
40	S_D2	30	55.409	0.013	0	0	0	0
41	17	56	1006.975	0.013	0	0	0	0
43	4	37	223.1	0.013	325	324.1	0	0
44	7	S_A4	45.027	0.013	0	317	0	0
45	7	A4_OVERFLOW	60.823	0.013	318.7	0	0	0
46	14	A1_OVERFLOW	16.01	0.013	331.7	0	0	0
47	S_A4	11	355.016	0.013	317	316.607	0	0
48	20	S_A2	28.029	0.013	330.1	330	0	0
49	20	A2_OVERFLOW	32.856	0.013	330.7	330	0	0
5	5	6	219.322	0.013	0	0	0	0
50	28	S_A3	102.047	0.013	326.1	326	0	0
51	28	A3_OVERFLOW	83.104	0.013	326.7	0	0	0
52	37	S_B1	30.885	0.013	324.1	324	0	0
53	37	B1_OVERFLOW	20.838	0.013	324.7	324	0	0
54	40	S_C1	40.45	0.013	319.1	319	0	0
55	40	C1_OVERFLOW	45.312	0.013	319.7	319	0	0
56	42	B2_OVERFLOW	25.741	0.013	322.7	322	0	0
57	42	S_B2	24.015	0.013	322.1	322	0	0
58	49	S_D3	59.379	0.013	321.6	321.5	0	0
59	49	D3_OVERFLOW	57.755	0.013	322.2	321.5	0	0
6	6	28	710.032	0.013	0	0	0	0
60	48	S_D1	64.088	0.013	324.6	324.5	0	0
61	48	D1_OVERFLOW	92.338	0.013	325.2	324.5	0	0
62	21	D2_OVERFLOW	83.528	0.013	321.7	321	0	0
63	50	S_D4	36.294	0.013	318.1	318	0	0
64	50	D4_OVERFLOW	20.059	0.013	318.7	318	0	0
65	54	S_E2	8.253	0.013	313.925	313.9	0	0

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66                54                E2_OVERFLOW       17.303     0.013      314.525    313.9      0          0
67                53                E1_OVERFLOW       16.462     0.013      314.7      314        0          0
68                53                S_E1              9.722      0.013      314.1      314        0          0
7                 S_A3              8                 610.067    0.013      0          0          0          0
70                56                HanlonCreek       345.809    0.013      301.1      301        0          0
8                 8                 9                 403.532    0.013      0          0          0          0
9                 S_C1              7                 306.084    0.013      0          0          0          0
;NA
PWOPRSES0001498   PWOPRMHS0001398   PWOPRMHS0001399   33         0.013      317.27     317.16     0          0
;NA
PWOPRSES0001507   PWOPRMHS0001408   PWOPRMHS0001404   46.5       0.013      320.83     320.66     0          0
;NA
PWOPRSES0001510   PWOPRMHS0001467   PWOPRMHS0001404   64         0.013      320.92     320.58     0          0
;NA
PWOPRSES0001511   PWOPRMHS0001423   PWOPRMHS0001422   25.1       0.013      320.43     320.3      0          0
;NA
PWOPRSES0001512   PWOPRMHS0001430   PWOPRMHS0001423   31.8       0.013      321.23     320.64     0          0
;NA
PWOPRSES0001515   PWOPRMHS0001428   PWOPRMHS0001429   57.9       0.013      323.21     321.45     0          0
;NA
PWOPRSES0001516   PWOPRMHS0001429   PWOPRMHS0001421   22.8       0.013      321.35     321.02     0          0
;NA
PWOPRSES0001518   PWOPRMHS0001431   PWOPRMHS0001372   63.5       0.013      323.01     320.26     0          0
;NA
PWOPRSES0001519   PWOPRMHS0001393   PWOPRMHS0001415   139.1      0.013      320.19     319.77     0          0
;NA
PWOPRSES0001520   PWOPRMHS0001394   PWOPRMHS0001402   74.3       0.013      316.86     316.6      0          0
;NA
PWOPRSES0001521   PWOPRMHS0001391   PWOPRMHS0001394   83.9       0.013      317.27     316.96     0          0
;NA
PWOPRSES0001522   PWOPRMHS0001390   PWOPRMHS0001391   38.1       0.013      317.49     317.41     0          0
;NA
PWOPRSES0001524   PWOPRMHS0001392   PWOPRMHS0001391   54.7       0.013      318.18     317.41     0          0
;NA
PWOPRSES0001525   PWOPRMHS0001422   PWOPRMHS0001373   64.5       0.013      320.28     320.06     0          0
;NA
PWOPRSES0001530   PWOPRMHS0001404   PWOPRMHS0001393   106.8      0.013      320.54     320.21     0          0
;NA
PWOPRSES0001534   PWOPRMHS0001388   PWOPRMHS0001387   54.9       0.013      318.93     318.79     0          0
;NA
PWOPRSES0001535   PWOPRMHS0001389   PWOPRMHS0001388   54.9       0.013      319.13     318.93     0          0
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;NA
PWOPRSES0001536  PWOPRMHS0001369  PWOPRMHS0001389  63.9       0.013      319.39     319.19     0          0
;NA
PWOPRSES0001537  PWOPRMHS0001415  PWOPRMHS0001369  76.2       0.013      319.68     319.44     0          0
;NA
PWOPRSES0001538  PWOPRMHS0001373  PWOPRMHS0001415  13.3       0.013      320.02     319.68     0          0
;NA
PWOPRSES0001541  PWOPRMHS0001399  PWOPRMHS0001400  34.7       0.013      317.15     316.99     0          0
;NA
PWOPRSES0001542  PWOPRMHS0001400  PWOPRMHS0001401  58.2       0.013      316.99     316.69     0          0
;NA
PWOPRSES0001543  PWOPRMHS0001401  13               169.918    0.013      316.67     314.5      0          0
;NA
PWOPRSES0001544  PWOPRMHS0001402  36               219.005    0.013      316.5      315.5      0          0
;NA
PWOPRSES0001545  PWOPRMHS0001395  PWOPRMHS0001402  49         0.013      316.79     316.62     0          0
;NA
PWOPRSES0001546  PWOPRMHS0001916  PWOPRMHS0001855  20.24      0.013      327.59     326.87     0          0
;NA
PWOPRSES0001547  PWOPRMHS0001856  PWOPRMHS0001916  16.46      0.013      327.73     327.6      0          0
;NA
PWOPRSES0001548  PWOPRMHS0001804  PWOPRMHS0001855  104.4      0.013      331.98     326.78     0          0
;NA
PWOPRSES0001551  PWOPRMHS0001915  PWOPRMHS0001856  68.43      0.013      329.19     327.81     0          0
;NA
PWOPRSES0001555  PWOPRMHS0001855  PWOPRMHS0001857  76.66      0.013      326.21     322.57     0          0
;NA
PWOPRSES0001556  PWOPRMHS0001857  PWOPRMHS0001437  62.61      0.013      322.43     319.38     0          0
;NA
PWOPRSES0001557  PWOPRMHS0001433  PWOPRMHS0001418  11.89      0.01       319.78     319.3      0          0
;NA
PWOPRSES0001558  PWOPRMHS0001416  PWOPRMHS0001418  80.71      0.01       318.99     318.745    0          0
;NA
PWOPRSES0001559  PWOPRMHS0001403  MHSWM4           83.375     0.01       321.7      319.25     0          0
;NA
PWOPRSES0001564  PWOPRMHS0001437  PWOPRMHS0001436  15.24      0.01       319.38     319.02     0          0
;NA
PWOPRSES0001565  PWOPRMHS0001436  PWOPRMHS0001438  62.18      0.013      318.35     318.2      0          0
;NA
PWOPRSES0001566  PWOPRMHS0001418  PWOPRMHS0001436  104.55     0.013      318.73     318.41     0          0
;NA
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PWOPRSES0001567  PWOPRMHS0001435  PWOPRMHS0001438  19.81      0.013      319.64     319.43     0          0
;NA
PWOPRSES0001571  PWOPRMHS0001796  PWOPRMHS0001797  35.4       0.013      326.65     326.42     0          0
;NA
PWOPRSES0001572  PWOPRMHS0001788  PWOPRMHS0001403  58.83      0.013      322.94     321.7      0          0
;NA
PWOPRSES0001575  PWOPRMHS0001386  S_D4             174.444    0.013      318.61     318        0          0
;NA
PWOPRSES0001576  MHEasement2      PWOPRMHS0001386  27.2       0.013      318.7      318.61     0          0
;NA
PWOPRSES0001577  PWOPRMHS0001387  PWOPRMHS0001386  30.8       0.013      318.75     318.61     0          0
;NA
PWOPRSES0001579  PWOPRMHS0001421  PWOPRMHS0001420  29.1       0.013      320.94     320.57     0          0
;NA
PWOPRSES0001580  PWOPRMHS0001420  PWOPRMHS0001419  29.3       0.013      320.5      320.06     0          0
;NA
PWOPRSES0001581  PWOPRMHS0001419  PWOPRMHS0001374  33.3       0.013      319.99     319.74     0          0
;NA
PWOPRSES0001582  PWOPRMHS0001374  PWOPRMHS0001375  13.6       0.013      319.69     319.61     0          0
;NA
PWOPRSES0001583  PWOPRMHS0001372  PWOPRMHS0001371  10.9       0.013      320.15     319.87     0          0
;NA
PWOPRSES0001584  PWOPRMHS0001371  PWOPRMHS0001370  11.3       0.013      319.82     319.49     0          0
;NA
PWOPRSES0001585  PWOPRMHS0001375  PWOPRMHS0001370  53.2       0.013      319.57     319.27     0          0
;NA
PWOPRSES0001586  PWOPRMHS0001424  PWOPRMHS0001423  48.5       0.013      320.96     320.52     0          0
;NA
PWOPRSES0001587  PWOPRMHS0001370  MHEasement1      21.3       0.013      319.27     319.07     0          0
;NA
PWOPRSES0001633  PWOPRMHS0001413  PWOPRMHS0001412  14.33      0.013      331.74     331.69     0          0
;NA
PWOPRSES0001634  PWOPRMHS0001622  PWOPRMHS0001412  75.13      0.013      332.73     331.96     0          0
;NA
PWOPRSES0001654  PWOPRMHS0001634  PWOPRMHS0001791  141.73     0.013      326.21     325.67     0          0
;NA
PWOPRSES0001655  PWOPRMHS0001792  PWOPRMHS0001836  77.27      0.013      325.24     324.6      0          0
;NA
PWOPRSES0001656  PWOPRMHS0001836  PWOPRMHS0001788  152.1      0.013      324.56     323.43     0          0
;NA
PWOPRSES0001658  PWOPRMHS0001410  PWOPRMHS0001634  81.69      0.013      326.47     326.21     0          0
```

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;NA
PWOPRSES0001660  PWOPRMHS0001791  PWOPRMHS0001792  72.09      0.013      325.59     325.38     0          0
;NA
PWOPRSES0001662  PWOPRMHS0001798  PWOPRMHS0001792  15.39      0.013      326.06     325.85     0          0
;NA
PWOPRSES0001663  PWOPRMHS0001797  PWOPRMHS0001798  39.1       0.013      326.4      326.13     0          0
;NA
PWOPRSES0001667  MHSWM4           PWOPRMHS0001416  26.6       0.013      319.25     319.01     0          0
;NA
PWOPRSES0001679  PWOPRMHS0001409  PWOPRMHS0001410  54.56      0.013      327.81     327.07     0          0
;NA
PWOPRSES0001680  PWOPRMHS0001411  PWOPRMHS0001410  15.24      0.013      327.47     327        0          0
;NA
PWOPRSES0001681  PWOPRMHS0001412  PWOPRMHS0001411  74.68      0.013      331.69     327.81     0          0
;NA
PWOPRSES0001682  PWOPRMHS0001767  PWOPRMHS0001410  89.46      0.013      327.25     326.84     0          0
;NA
PWOPRSES0001684  PWOPRMHS0001768  PWOPRMHS0001767  42.22      0.013      327.85     327.53     0          0
;NA
PWOPRSES0001687  PWOPRMHS0001655  PWOPRMHS0001649  18         0.013      330        329.33     0          0
;NA
PWOPRSES0001688  PWOPRMHS0001649  PWOPRMHS0001652  101        0.013      329.21     326.99     0          0
;NA
PWOPRSES0001698  PWOPRMHS0001652  PWOPRMHS0001664  21         0.013      326.89     326.35     0          0
;NA
PWOPRSES0001699  PWOPRMHS0001664  PWOPRMHS0001653  58.5       0.013      326.35     325.29     0          0
PWOPRSES0001711  PWOPRMHS0001706  PWOPRMHS0001677  81.3       0.013      327.14     326.76     0          0
PWOPRSES0001712  PWOPRMHS0001678  PWOPRMHS0001677  8.3        0.013      327.01     326.78     0          0
PWOPRSES0001713  PWOPRMHS0001677  PWOPRMHS0001676  42.6       0.013      326.59     326.4      0          0
;NA
PWOPRSES0001718  PWOPRMHS0001736  PWOPRMHS0001878  70.1       0.013      323.4      323.28     0          0
;NA
PWOPRSES0001720  PWOPRMHS0001733  PWOPRMHS0001736  33.3       0.013      324.05     323.83     0          0
;NA
PWOPRSES0001721  PWOPRMHS0001697  PWOPRMHS0001736  96.7       0.013      323.91     323.52     0          0
PWOPRSES0001724  PWOPRMHS0001689  PWOPRMHS0001687  74.5       0.013      326.61     326.4      0          0
PWOPRSES0001725  PWOPRMHS0001687  PWOPRMHS0001688  41         0.013      326.4      326.2      0          0
PWOPRSES0001728  PWOPRMHS0001688  PWOPRMHS0001674  17.1       0.013      326.1      326.01     0          0
PWOPRSES0001730  PWOPRMHS0001674  PWOPRMHS0001713  86.1       0.013      325.88     325.51     0          0
PWOPRSES0001732  PWOPRMHS0001705  PWOPRMHS0001688  74         0.013      328.53     327.53     0          0
PWOPRSES0001733  PWOPRMHS0001676  PWOPRMHS0001674  15.4       0.013      326.33     326.32     0          0
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PWOPRSES0001744  PWOPRMHS0001746  PWOPRMHS0001744  32.5       0.013      327.93     327.78     0          0
PWOPRSES0001745  PWOPRMHS0001686  PWOPRMHS0001682  11.1       0.013      328.55     328.21     0          0
PWOPRSES0001747  PWOPRMHS0002046  PWOPRMHS0001682  55.95      0.013      330.72     328.73     0          0
PWOPRSES0001748  PWOPRMHS0001682  PWOPRMHS0001689  94         0.013      328.1      326.73     0          0
PWOPRSES0001750  PWOPRMHS0001690  PWOPRMHS0001689  16.1       0.013      326.74     326.63     0          0
PWOPRSES0001753  PWOPRMHS0001691  PWOPRMHS0001690  42.5       0.01       326.982    326.74     0          0
PWOPRSES0001754  PWOPRMHS0001741  PWOPRMHS0002051  84.5       0.013      329.48     328.91     0          0
PWOPRSES0001755  PWOPRMHS0001745  PWOPRMHS0001746  32.1       0.013      328.06     327.95     0          0
PWOPRSES0001756  PWOPRMHS0001744  PWOPRMHS0001692  13.5       0.013      327.73     327.68     0          0
PWOPRSES0001757  PWOPRMHS0002051  PWOPRMHS0001745  32.8       0.013      328.27     328.14     0          0
PWOPRSES0001758  PWOPRMHS0001874  PWOPRMHS0001732  85.2       0.013      329.87     329.28     0          0
PWOPRSES0001759  PWOPRMHS0001692  PWOPRMHS0001743  70.9       0.01       327.57     327.315    0          0
PWOPRSES0001760  PWOPRMHS0001743  PWOPRMHS0001691  18.8       0.013      327.29     327.19     0          0
PWOPRSES0001761  PWOPRMHS0001919  PWOPRMHS0001691  18.5       0.013      327.8      327.71     0          0
PWOPRSES0001765A PWOPRMHS0001740  MHSchool         46.6       0.013      328.72     328.55     0          0
PWOPRSES0001765B MHSchool         PWOPRMHS0002051  24.3       0.013      328.55     328.46     0          0
PWOPRSES0001766  PWOPRMHS0002041  MHSchool         16.96      0.013      329.07     328.87     0          0
PWOPRSES0001768  PWOPRMHS0002050  PWOPRMHS0002051  17.64      0.013      328.97     328.76     0          0
PWOPRSES0001770  PWOPRMHS0001679  PWOPRMHS0001680  13.11      0.013      335.89     335.79     0          0
PWOPRSES0001771  PWOPRMHS0002095  PWOPRMHS0001680  13.41      0.013      336.04     335.26     0          0
;NA
PWOPRSES0001774  PWOPRMHS0001614  PWOPRMHS0001611  44         0.013      322.91     322.87     0          0
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PWOPRSES0001775  PWOPRMHS0001611  18               28.03      0.01       322.87     322.5      0          0
;NA
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;NA
PWOPRSES0001777  PWOPRMHS0001602  PWOPRMHS0001598  89.8       0.013      325.98     325.52     0          0
;NA
PWOPRSES0001778  PWOPRMHS0001603  PWOPRMHS0001604  17.25      0.013      324.23     324.19     0          0
;NA
PWOPRSES0001779  PWOPRMHS0001610  PWOPRMHS0001606  32.8       0.013      325.44     323.59     0          0
;NA
PWOPRSES0001780  PWOPRMHS0001605  PWOPRMHS0001604  18         0.013      324.34     324.24     0          0
;NA
PWOPRSES0001781  PWOPRMHS0001597  PWOPRMHS0001605  61         0.013      324.78     324.38     0          0
;NA
PWOPRSES0001782  PWOPRMHS0001600  PWOPRMHS0001603  83.8       0.013      324.66     324.27     0          0
;NA
PWOPRSES0001783  PWOPRMHS0001601  PWOPRMHS0001602  19.4       0.013      326.15     326.05     0          0
;NA
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PWOPRSES0001784  PWOPRMHS0001606  PWOPRMHS0001667  88.4       0.013      323.57     323.2      0          0
;NA
PWOPRSES0001785  PWOPRMHS0001608  PWOPRMHS0001610  20.2       0.013      325.67     325.56     0          0
;NA
PWOPRSES0001786  PWOPRMHS0001598  PWOPRMHS0001610  3.8        0.013      325.49     325.47     0          0
;NA
PWOPRSES0001790  PWOPRMHS0001881  PWOPRMHS0001643  60         0.013      323.57     323.4      0          0
;NA
PWOPRSES0001791  PWOPRMHS0001643  PWOPRMHS0001642  22.5       0.013      323.38     323.27     0          0
;NA
PWOPRSES0001797  PWOPRMHS0001667  PWOPRMHS0001670  88.6       0.013      323.15     322.93     0          0
;NA
PWOPRSES0001798  PWOPRMHS0001670  22               88.074     0.01       322.92     322        0          0
;NA
PWOPRSES0001803  PWOPRMHS0001695  SWMPOND          96.049     0.013      322.25     322        0          0
;NA
PWOPRSES0001806  PWOPRMHS0001925  PWOPRMHS0001926  75.13      0.013      323.33     322.72     0          0
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PWOPRSES0001807  PWOPRMHS0001928  SWMPOND          124.699    0.013      322.2      322        0          0
;NA
PWOPRSES0001808  PWOPRMHS0001947  PWOPRMHS0001930  58.92      0.013      324.02     323.47     0          0
;NA
PWOPRSES0001809  PWOPRMHS0001930  PWOPRMHS0001944  74.52      0.013      323.07     322.68     0          0
;NA
PWOPRSES0001810  PWOPRMHS0001945  PWOPRMHS0001944  67.21      0.013      323.32     322.92     0          0
;NA
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;NA
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PWOPRSES0001823  PWOPRMHS0002084  PWOPRMHS0001889  70.95      0.013      324.97     324.73     0          0
;NA
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;NA
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PWOPRSES0001826  PWOPRMHS0001889  PWOPRMHS0001890  13.05      0.013      324.63     324.62     0          0
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;NA
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;NA
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;NA
PWOPRSES0001891  PWOPRMHS0001653  PWOPRMHS0001654  23         0.013      325.24     324.99     0          0
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PWOPRSES0001892  PWOPRMHS0001658  PWOPRMHS0001657  11.7       0.013      324.92     324.88     0          0
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;NA
PWOPRSES0001905  PWOPRMHS0001661B PWOPRMHS0001663  17.5       0.013      324.31     324.24     0          0
;NA
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;NA
PWOPRSES0001919  PWOPRMHS0001766  PWOPRMHS0001765  27.74      0.013      328.32     328.12     0          0
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;NA
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;NA
PWOPRSES0001968  PWOPRMHS0001939  PWOPRMHS0001927  46.02      0.013      327.51     323.61     0          0
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;NA
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PWOPRSES0002120  PWOPRMHS0001732  PWOPRMHS0001739  9.7        0.013      328.98     328.92     0          0
PWOPRSES0002121  PWOPRMHS0001729  PWOPRMHS0001732  18.6       0.013      329.08     329.04     0          0
PWOPRSES0002122  PWOPRMHS0001739  PWOPRMHS0001740  15.5       0.013      328.89     328.77     0          0
PWOPRSES0003435  PWOPRMHS0003137  PWOPRMHS0003136  23.4       0.013      329.5      328.99     0          0
PWOPRSES0003436  PWOPRMHS0003136  PWOPRMHS0001686  50.2       0.013      328.89     328.62     0          0
PWOPRSES0003439  PWOPRMHS0003140  PWOPRMHS0001678  48.8       0.013      327.35     327.07     0          0
PWOPRSES0003446  PWOPRMHS0003146  PWOPRMHS0003147  50.75      0.013      334.6      334.5      0          0
PWOPRSES0003447  PWOPRMHS0003147  PWOPRMHS0003148  22         0.013      333.79     332.64     0          0
PWOPRSES0003448  PWOPRMHS0003148  PWOPRMHS0003149  9.25       0.013      331.89     331.68     0          0
PWOPRSES0003449  PWOPRMHS0003149  PWOPRMHS0003137  58.3       0.013      330.86     329.6      0          0
PWOPRSES0003457  PWOPRMHS0003153  PWOPRMHS0001679  35.97      0.013      336.16     335.89     0          0
PWOPRSES0003465  PWOPRMHS0003160  PWOPRMHS0003146  19.51      0.013      335.5      335.01     0          0
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;NA
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;NA
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;NA
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;NA
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;NA
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;NA
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PWOPRSES0006550  PWOPRMHS0005926  PWOPRMHS0005927  29.23      0.013      318.05     317.93     0          0
;NA
PWOPRSES0006551  PWOPRMHS0005924  PWOPRMHS0005927  90.05      0.013      318.6      318        0          0
;NA
PWOPRSES0006552  PWOPRMHS0005927  PWOPRMHS0005930  107.56     0.013      317.76     317.27     0          0
;NA
PWOPRSES0006553  PWOPRMHS0005930  36               354.591    0.013      317.25     315.5      0          0
;NA
PWOPRSES0006554  PWOPRMHS0005931  PWOPRMHS0005930  17.01      0.013      317.7      317.41     0          0
;NA
PWOPRSES0006555  PWOPRMHS0005932  PWOPRMHS0005930  58.07      0.013      317.88     317.37     0          0
```

```
;NA
PWOPRSES0006576  PWOPRMHS0005946  PWOPRMHS0005945  32.9       0.013      318.5      318.31     0          0
;NA
PWOPRSES0006577  PWOPRMHS0005945  PWOPRMHS0005931  82         0.013      318.22     317.74     0          0
;NA
STMEasement      MHEasement1      MHEasement2      72.3       0.013      319.07     318.7      0          0
SWMPOND_OUT      SWMPOND          24               215.307    0.013      322        320.5      0          0

[XSECTIONS]
;;Link           Shape        Geom1            Geom2      Geom3      Geom4      Barrels
;;-------------- ------------ ---------------- ---------- ---------- ---------- ----------
1                TRAPEZOIDAL  3                2          1          1          1
10               TRAPEZOIDAL  3                2          1          1          1
11               TRAPEZOIDAL  3                2          1          1          1
12               RECT_CLOSED  2                2          0          0          1
13               TRAPEZOIDAL  3                2          1          1          1
14               TRAPEZOIDAL  3                2          1          1          1
15               TRAPEZOIDAL  3                2          1          1          1
16               TRAPEZOIDAL  3                2          1          1          1
17               TRAPEZOIDAL  3                2          1          1          1
18               TRAPEZOIDAL  3                2          1          1          1
19               TRAPEZOIDAL  3                2          1          1          1
2                TRAPEZOIDAL  3                2          1          1          1
20               TRAPEZOIDAL  3                2          1          1          1
21               TRAPEZOIDAL  3                3          1          1          1
22               TRAPEZOIDAL  3                2          1          1          1
23               TRAPEZOIDAL  3                2          1          1          1
24               TRAPEZOIDAL  3                2          1          1          1
25               TRAPEZOIDAL  3                2          1          1          1
26               TRAPEZOIDAL  3                2          1          1          1
27               TRAPEZOIDAL  3                2          1          1          1
28               TRAPEZOIDAL  3                2          1          1          1
29               TRAPEZOIDAL  3                2          1          1          1
3                TRAPEZOIDAL  3                2          1          1          1
30               TRAPEZOIDAL  3                2          1          1          1
31               TRAPEZOIDAL  3                2          1          1          1
32               TRAPEZOIDAL  3                2          1          1          1
33               TRAPEZOIDAL  3                2          1          1          1
34               TRAPEZOIDAL  3                2          1          1          1
35               TRAPEZOIDAL  3                2          1          1          1
36               TRAPEZOIDAL  3                2          1          1          1
```

37	TRAPEZOIDAL	3	2	1	1	1
38	TRAPEZOIDAL	3	2	1	1	1
39	TRAPEZOIDAL	3	2	1	1	1
4	TRAPEZOIDAL	3	2	1	1	1
40	TRAPEZOIDAL	3	2	1	1	1
41	TRAPEZOIDAL	3	2	1	1	1
43	TRAPEZOIDAL	3	2	1	1	1
44	TRAPEZOIDAL	3	2	1	1	1
45	RECT_OPEN	2	15	1	0	1
46	RECT_OPEN	2	15	1	0	1
47	TRAPEZOIDAL	3	2	1	1	1
48	TRAPEZOIDAL	3	2	1	1	1
49	RECT_OPEN	2	15	1	0	1
5	TRAPEZOIDAL	3	2	1	1	1
50	TRAPEZOIDAL	3	2	1	1	1
51	RECT_OPEN	2	15	1	0	1
52	TRAPEZOIDAL	3	2	1	1	1
53	RECT_OPEN	2	15	1	0	1
54	TRAPEZOIDAL	3	2	1	1	1
55	RECT_OPEN	2	15	1	0	1
56	RECT_OPEN	2	15	1	0	1
57	TRAPEZOIDAL	3	2	1	1	1
58	TRAPEZOIDAL	3	2	1	1	1
59	RECT_OPEN	2	15	1	0	1
6	TRAPEZOIDAL	3	2	1	1	1
60	TRAPEZOIDAL	3	2	1	1	1
61	RECT_OPEN	2	15	1	0	1
62	RECT_OPEN	2	15	1	0	1
63	TRAPEZOIDAL	3	2	1	1	1
64	RECT_OPEN	2	15	1	0	1
65	TRAPEZOIDAL	3	2	1	1	1
66	RECT_OPEN	2	15	1	0	1
67	RECT_OPEN	2	15	1	0	1
68	TRAPEZOIDAL	3	2	1	1	1
7	TRAPEZOIDAL	3	2	1	1	1
70	TRAPEZOIDAL	3	2	1	1	1
8	TRAPEZOIDAL	4	2	1	1	1
9	TRAPEZOIDAL	3	2	1	1	1
PWOPRSES0001498	CIRCULAR	2	0	0	0	1
PWOPRSES0001507	CIRCULAR	2	0	0	0	1
PWOPRSES0001510	CIRCULAR	2	0	0	0	1

PWOPRSES0001511	CIRCULAR	2	0	0	0	1
PWOPRSES0001512	CIRCULAR	2	0	0	0	1
PWOPRSES0001515	CIRCULAR	2	0	0	0	1
PWOPRSES0001516	CIRCULAR	2	0	0	0	1
PWOPRSES0001518	CIRCULAR	2	0	0	0	1
PWOPRSES0001519	HORIZ_ELLIPSE	2	1.15	0	0	1
PWOPRSES0001520	CIRCULAR	2	0	0	0	1
PWOPRSES0001521	CIRCULAR	2	0	0	0	1
PWOPRSES0001522	CIRCULAR	2	0	0	0	1
PWOPRSES0001524	CIRCULAR	2	0	0	0	1
PWOPRSES0001525	CIRCULAR	2	0	0	0	1
PWOPRSES0001530	HORIZ_ELLIPSE	2	1.15	0	0	1
PWOPRSES0001534	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001535	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001536	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001537	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001538	CIRCULAR	2	0	0	0	1
PWOPRSES0001541	CIRCULAR	2	0	0	0	1
PWOPRSES0001542	CIRCULAR	2	0	0	0	1
PWOPRSES0001543	CIRCULAR	3	0	0	0	1
PWOPRSES0001544	CIRCULAR	3	0	0	0	1
PWOPRSES0001545	CIRCULAR	2	0	0	0	1
PWOPRSES0001546	CIRCULAR	2	0	0	0	1
PWOPRSES0001547	CIRCULAR	2	0	0	0	1
PWOPRSES0001548	CIRCULAR	2	0	0	0	1
PWOPRSES0001551	CIRCULAR	2	0	0	0	1
PWOPRSES0001555	CIRCULAR	2	0	0	0	1
PWOPRSES0001556	CIRCULAR	2	0	0	0	1
PWOPRSES0001557	CIRCULAR	2.5	0	0	0	1
PWOPRSES0001558	CIRCULAR	2.5	0	0	0	1
PWOPRSES0001559	CIRCULAR	2	0	0	0	1
PWOPRSES0001564	CIRCULAR	2	0	0	0	1
PWOPRSES0001565	CIRCULAR	2.5	0	0	0	1
PWOPRSES0001566	CIRCULAR	2.5	0	0	0	1
PWOPRSES0001567	CIRCULAR	2.5	0	0	0	1
PWOPRSES0001571	CIRCULAR	2	0	0	0	1
PWOPRSES0001572	CIRCULAR	2	0	0	0	1
PWOPRSES0001575	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001576	CIRCULAR	2	0	0	0	1
PWOPRSES0001577	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001579	CIRCULAR	2	0	0	0	1

PWOPRSES0001580	CIRCULAR	2	0	0	0	1
PWOPRSES0001581	CIRCULAR	2	0	0	0	1
PWOPRSES0001582	CIRCULAR	2	0	0	0	1
PWOPRSES0001583	CIRCULAR	2	0	0	0	1
PWOPRSES0001584	CIRCULAR	2	0	0	0	1
PWOPRSES0001585	CIRCULAR	2	0	0	0	1
PWOPRSES0001586	CIRCULAR	2	0	0	0	1
PWOPRSES0001587	CIRCULAR	2	0	0	0	1
PWOPRSES0001633	CIRCULAR	2	0	0	0	1
PWOPRSES0001634	CIRCULAR	2	0	0	0	1
PWOPRSES0001654	CIRCULAR	2	0	0	0	1
PWOPRSES0001655	CIRCULAR	2	0	0	0	1
PWOPRSES0001656	CIRCULAR	2	0	0	0	1
PWOPRSES0001658	CIRCULAR	2	0	0	0	1
PWOPRSES0001660	CIRCULAR	2	0	0	0	1
PWOPRSES0001662	CIRCULAR	2	0	0	0	1
PWOPRSES0001663	CIRCULAR	2	0	0	0	1
PWOPRSES0001667	CIRCULAR	2	0	0	0	1
PWOPRSES0001679	CIRCULAR	2	0	0	0	1
PWOPRSES0001680	CIRCULAR	2	0	0	0	1
PWOPRSES0001681	CIRCULAR	2	0	0	0	1
PWOPRSES0001682	CIRCULAR	2	0	0	0	1
PWOPRSES0001684	CIRCULAR	2	0	0	0	1
PWOPRSES0001687	CIRCULAR	2	0	0	0	1
PWOPRSES0001688	CIRCULAR	2	0	0	0	1
PWOPRSES0001698	CIRCULAR	2	0	0	0	1
PWOPRSES0001699	CIRCULAR	2	0	0	0	1
PWOPRSES0001711	CIRCULAR	2	0	0	0	1
PWOPRSES0001712	CIRCULAR	2	0	0	0	1
PWOPRSES0001713	CIRCULAR	2	0	0	0	1
PWOPRSES0001718	CIRCULAR	2	0	0	0	1
PWOPRSES0001720	CIRCULAR	2	0	0	0	1
PWOPRSES0001721	CIRCULAR	2	0	0	0	1
PWOPRSES0001724	HORIZ_ELLIPSE	2	1.73	0	0	1
PWOPRSES0001725	HORIZ_ELLIPSE	2	1.73	0	0	1
PWOPRSES0001728	HORIZ_ELLIPSE	2	1.73	0	0	1
PWOPRSES0001730	HORIZ_ELLIPSE	2	1.92	0	0	1
PWOPRSES0001732	CIRCULAR	2	0	0	0	1
PWOPRSES0001733	CIRCULAR	2	0	0	0	1
PWOPRSES0001744	CIRCULAR	2	0	0	0	1
PWOPRSES0001745	CIRCULAR	2	0	0	0	1

PWOPRSES0001747	CIRCULAR	2	0	0	0	1
PWOPRSES0001748	CIRCULAR	2	0	0	0	1
PWOPRSES0001750	CIRCULAR	2	0	0	0	1
PWOPRSES0001753	CIRCULAR	2	0	0	0	1
PWOPRSES0001754	CIRCULAR	2	0	0	0	1
PWOPRSES0001755	CIRCULAR	2	0	0	0	1
PWOPRSES0001756	CIRCULAR	2	0	0	0	1
PWOPRSES0001757	CIRCULAR	2	0	0	0	1
PWOPRSES0001758	CIRCULAR	2	0	0	0	1
PWOPRSES0001759	CIRCULAR	2	0	0	0	1
PWOPRSES0001760	CIRCULAR	2	0	0	0	1
PWOPRSES0001761	CIRCULAR	2	0	0	0	1
PWOPRSES0001765A	CIRCULAR	2	0	0	0	1
PWOPRSES0001765B	CIRCULAR	2	0	0	0	1
PWOPRSES0001766	CIRCULAR	2	0	0	0	1
PWOPRSES0001768	CIRCULAR	2	0	0	0	1
PWOPRSES0001770	CIRCULAR	2	0	0	0	1
PWOPRSES0001771	CIRCULAR	2	0	0	0	1
PWOPRSES0001774	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001775	HORIZ_ELLIPSE	3	1.345	0	0	1
PWOPRSES0001776	CIRCULAR	2	0	0	0	1
PWOPRSES0001777	CIRCULAR	2	0	0	0	1
PWOPRSES0001778	CIRCULAR	2	0	0	0	1
PWOPRSES0001779	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001780	CIRCULAR	2	0	0	0	1
PWOPRSES0001781	CIRCULAR	2	0	0	0	1
PWOPRSES0001782	CIRCULAR	2	0	0	0	1
PWOPRSES0001783	CIRCULAR	2	0	0	0	1
PWOPRSES0001784	CIRCULAR	2	0	0	0	1
PWOPRSES0001785	CIRCULAR	2	0	0	0	1
PWOPRSES0001786	CIRCULAR	2	0	0	0	1
PWOPRSES0001790	CIRCULAR	2	0	0	0	1
PWOPRSES0001791	CIRCULAR	2	0	0	0	1
PWOPRSES0001797	CIRCULAR	2	0	0	0	1
PWOPRSES0001798	CIRCULAR	3	0	0	0	1
PWOPRSES0001803	CIRCULAR	2	0	0	0	1
PWOPRSES0001806	CIRCULAR	2	0	0	0	1
PWOPRSES0001807	HORIZ_ELLIPSE	2	1.345	0	0	1
PWOPRSES0001808	CIRCULAR	2	0	0	0	1
PWOPRSES0001809	CIRCULAR	2	0	0	0	1
PWOPRSES0001810	CIRCULAR	2	0	0	0	1

PWOPRSES0001812	CIRCULAR	2	0	0	0	1
PWOPRSES0001819	CIRCULAR	2	0	0	0	1
PWOPRSES0001821	CIRCULAR	2	0	0	0	1
PWOPRSES0001822	CIRCULAR	2	0	0	0	1
PWOPRSES0001823	CIRCULAR	2	0	0	0	1
PWOPRSES0001824	CIRCULAR	2	0	0	0	1
PWOPRSES0001825	CIRCULAR	2	0	0	0	1
PWOPRSES0001826	CIRCULAR	2	0	0	0	1
PWOPRSES0001827	CIRCULAR	2	0	0	0	1
PWOPRSES0001828	CIRCULAR	2	0	0	0	1
PWOPRSES0001829	HORIZ_ELLIPSE	3	1.52	0	0	1
PWOPRSES0001840	CIRCULAR	2	0	0	0	1
PWOPRSES0001841	CIRCULAR	2	0	0	0	1
PWOPRSES0001842	CIRCULAR	2	0	0	0	1
PWOPRSES0001844	CIRCULAR	2	0	0	0	1
PWOPRSES0001845	CIRCULAR	2	0	0	0	1
PWOPRSES0001855	CIRCULAR	2	0	0	0	1
PWOPRSES0001856	CIRCULAR	2	0	0	0	1
PWOPRSES0001861	CIRCULAR	2	0	0	0	1
PWOPRSES0001862	CIRCULAR	2	0	0	0	1
PWOPRSES0001865	CIRCULAR	2	0	0	0	1
PWOPRSES0001866	CIRCULAR	2	0	0	0	1
PWOPRSES0001868	CIRCULAR	2	0	0	0	1
PWOPRSES0001890	CIRCULAR	2	0	0	0	1
PWOPRSES0001891	CIRCULAR	2	0	0	0	1
PWOPRSES0001892	CIRCULAR	2	0	0	0	1
PWOPRSES0001895	CIRCULAR	2	0	0	0	1
PWOPRSES0001896	CIRCULAR	2	0	0	0	1
PWOPRSES0001897	CIRCULAR	2	0	0	0	1
PWOPRSES0001899	CIRCULAR	2	0	0	0	1
PWOPRSES0001900	CIRCULAR	2	0	0	0	1
PWOPRSES0001904	CIRCULAR	2	0	0	0	1
PWOPRSES0001905	CIRCULAR	2	0	0	0	1
PWOPRSES0001906	CIRCULAR	2	0	0	0	1
PWOPRSES0001919	CIRCULAR	2	0	0	0	1
PWOPRSES0001930	CIRCULAR	2	0	0	0	1
PWOPRSES0001931	CIRCULAR	2	0	0	0	1
PWOPRSES0001932	CIRCULAR	2	0	0	0	1
PWOPRSES0001941	CIRCULAR	2	0	0	0	1
PWOPRSES0001942	CIRCULAR	2	0	0	0	1
PWOPRSES0001943	CIRCULAR	2	0	0	0	1

PWOPRSES0001944	CIRCULAR	2	0	0	0	1
PWOPRSES0001951	CIRCULAR	2	0	0	0	1
PWOPRSES0001952	CIRCULAR	2	0	0	0	1
PWOPRSES0001960	CIRCULAR	2	0	0	0	1
PWOPRSES0001961	CIRCULAR	2	0	0	0	1
PWOPRSES0001962	CIRCULAR	2	0	0	0	1
PWOPRSES0001963	CIRCULAR	2	0	0	0	1
PWOPRSES0001968	CIRCULAR	2	0	0	0	1
PWOPRSES0001972	CIRCULAR	2	0	0	0	1
PWOPRSES0001976	CIRCULAR	2.5	0	0	0	1
PWOPRSES0001977	CIRCULAR	2	0	0	0	1
PWOPRSES0001978	CIRCULAR	3	0	0	0	1
PWOPRSES0001979	CIRCULAR	2	0	0	0	1
PWOPRSES0001984	CIRCULAR	2.5	0	0	0	1
PWOPRSES0002119	CIRCULAR	2	0	0	0	1
PWOPRSES0002120	CIRCULAR	2	0	0	0	1
PWOPRSES0002121	CIRCULAR	2	0	0	0	1
PWOPRSES0002122	CIRCULAR	2	0	0	0	1
PWOPRSES0003435	CIRCULAR	2	0	0	0	1
PWOPRSES0003436	CIRCULAR	2	0	0	0	1
PWOPRSES0003439	CIRCULAR	2	0	0	0	1
PWOPRSES0003446	CIRCULAR	2	0	0	0	1
PWOPRSES0003447	CIRCULAR	2	0	0	0	1
PWOPRSES0003448	CIRCULAR	2	0	0	0	1
PWOPRSES0003449	CIRCULAR	2	0	0	0	1
PWOPRSES0003457	CIRCULAR	2	0	0	0	1
PWOPRSES0003465	CIRCULAR	2	0	0	0	1
PWOPRSES0003466	CIRCULAR	2	0	0	0	1
PWOPRSES0004584	CIRCULAR	2	0	0	0	1
PWOPRSES0004585	CIRCULAR	2	0	0	0	1
PWOPRSES0004586	CIRCULAR	2	0	0	0	1
PWOPRSES0004587	CIRCULAR	2	0	0	0	1
PWOPRSES0004588	CIRCULAR	2	0	0	0	1
PWOPRSES0004589	CIRCULAR	2	0	0	0	1
PWOPRSES0004590	CIRCULAR	2	0	0	0	1
PWOPRSES0004591	HORIZ_ELLIPSE	2	1.535	0	0	1
PWOPRSES0004592	HORIZ_ELLIPSE	2	1.535	0	0	1
PWOPRSES0004593	CIRCULAR	2	0	0	0	1
PWOPRSES0004594	HORIZ_ELLIPSE	2	1.535	0	0	1
PWOPRSES0004597	CIRCULAR	2	0	0	0	1
PWOPRSES0004603	CIRCULAR	2	0	0	0	1

PWOPRSES0004637	CIRCULAR	2	0	0	0	1
PWOPRSES0005529	CIRCULAR	2	0	0	0	1
PWOPRSES0005530	CIRCULAR	2	0	0	0	1
PWOPRSES0005531	CIRCULAR	2	0	0	0	1
PWOPRSES0005532	CIRCULAR	2	0	0	0	1
PWOPRSES0005534	CIRCULAR	2	0	0	0	1
PWOPRSES0005535	CIRCULAR	2	0	0	0	1
PWOPRSES0005536	CIRCULAR	2	0	0	0	1
PWOPRSES0005537	CIRCULAR	2	0	0	0	1
PWOPRSES0005539	CIRCULAR	2	0	0	0	1
PWOPRSES0005540	CIRCULAR	2	0	0	0	1
PWOPRSES0005541	CIRCULAR	2	0	0	0	1
PWOPRSES0005710	HORIZ_ELLIPSE	3	1.92	0	0	1
PWOPRSES0005734	CIRCULAR	2	0	0	0	1
PWOPRSES0005735	CIRCULAR	2	0	0	0	1
PWOPRSES0005736	CIRCULAR	2	0	0	0	1
PWOPRSES0005739	CIRCULAR	2	0	0	0	1
PWOPRSES0005744	CIRCULAR	2	0	0	0	1
PWOPRSES0005766	CIRCULAR	2	0	0	0	1
PWOPRSES0005767	CIRCULAR	2	0	0	0	1
PWOPRSES0005768	CIRCULAR	2	0	0	0	1
PWOPRSES0005769	CIRCULAR	3	0	0	0	1
PWOPRSES0005770	CIRCULAR	2	0	0	0	1
PWOPRSES0005771	CIRCULAR	2	0	0	0	1
PWOPRSES0006537	CIRCULAR	2	0	0	0	1
PWOPRSES0006538	CIRCULAR	2	0	0	0	1
PWOPRSES0006542	CIRCULAR	2	0	0	0	1
PWOPRSES0006547	CIRCULAR	2	0	0	0	1
PWOPRSES0006548	CIRCULAR	2	0	0	0	1
PWOPRSES0006549	CIRCULAR	2	0	0	0	1
PWOPRSES0006550	CIRCULAR	2	0	0	0	1
PWOPRSES0006551	CIRCULAR	2	0	0	0	1
PWOPRSES0006552	CIRCULAR	2	0	0	0	1
PWOPRSES0006553	CIRCULAR	3	0	0	0	1
PWOPRSES0006554	CIRCULAR	2	0	0	0	1
PWOPRSES0006555	CIRCULAR	2	0	0	0	1
PWOPRSES0006576	CIRCULAR	2	0	0	0	1
PWOPRSES0006577	CIRCULAR	2	0	0	0	1
STMEasement	CIRCULAR	2	0	0	0	1
SWMPOND_OUT	CIRCULAR	3	0	0	0	1

H.10 Input for PCSWMM for Scenario 10

```
[TRANSECTS]
;;Transect Data in HEC-2 format
;
;Full street, width = 8m, curb = 0.15m , cross-slope = 0.02m/m, bank-slope = 0.02m/m, bank-height = 0.3m.
NC 0.03     0.03     0.013
X1 2LaneRd           7        7.5      15.5     0.0      0.0      0.0      0.0      0.0
GR 0.3      0        0.15     7.5      0        7.5      0.08     11.5     0        15.5
GR 0.15     15.5     0.3      23
;
;Full street, width = 16m, curb = 0.15m , cross-slope = 0.02m/m, bank-slope = 0.02m/m, bank-height = 0.30m.
NC 0.03     0.03     0.013
X1 4LaneRd           7        7.5      23.5     0.0      0.0      0.0      0.0      0.0
GR 0.3      0        0.15     7.5      0        7.5      0.16     15.5     0        23.5
GR 0.15     23.5     0.3      31

[LOSSES]
;;Link           Inlet      Outlet     Average    Flap Gate  SeepageRate
;;-------------- ---------- ---------- ---------- ---------- ----------
PWOPRSES0001498  0          0.15       0          NO         0
PWOPRSES0001507  0          0.15       0          NO         0
PWOPRSES0001510  0          1          0          NO         0
PWOPRSES0001511  0          0.15       0          NO         0
PWOPRSES0001512  0          0.15       0          NO         0
PWOPRSES0001515  0          0.15       0          NO         0
PWOPRSES0001516  0          0.15       0          NO         0
PWOPRSES0001518  0          0.15       0          NO         0
PWOPRSES0001519  0          0.15       0          NO         0
PWOPRSES0001520  0          1          0          NO         0
PWOPRSES0001521  0          0.15       0          NO         0
PWOPRSES0001522  0          0.15       0          NO         0
PWOPRSES0001524  0          1          0          NO         0
PWOPRSES0001525  0          0.15       0          NO         0
PWOPRSES0001530  0          0.15       0          NO         0
PWOPRSES0001534  0          0.15       0          NO         0
PWOPRSES0001535  0          0.15       0          NO         0
PWOPRSES0001536  0          0.15       0          NO         0
PWOPRSES0001537  0          0.15       0          NO         0
PWOPRSES0001538  0          1          0          NO         0
PWOPRSES0001541  0          0.15       0          NO         0
PWOPRSES0001542  0          1          0          NO         0
PWOPRSES0001543  0          0.15       0          NO         0
```

PWOPRSES0001544	0	0.15	0	NO	0
PWOPRSES0001545	0	0.15	0	NO	0
PWOPRSES0001546	0	0.75	0	NO	0
PWOPRSES0001547	0	0.75	0	NO	0
PWOPRSES0001548	0	0.15	0	NO	0
PWOPRSES0001551	0	0.75	0	NO	0
PWOPRSES0001555	0	0.15	0	NO	0
PWOPRSES0001556	0	0.75	0	NO	0
PWOPRSES0001557	0	1	0	NO	0
PWOPRSES0001558	0	0.75	0	NO	0
PWOPRSES0001559	0	0.15	0	NO	0
PWOPRSES0001564	0	1	0	NO	0
PWOPRSES0001565	0	0.75	0	NO	0
PWOPRSES0001566	0	0.75	0	NO	0
PWOPRSES0001572	0	0.75	0	NO	0
PWOPRSES0001575	0	0.15	0	NO	0
PWOPRSES0001576	0	0.15	0	NO	0
PWOPRSES0001577	0	1	0	NO	0
PWOPRSES0001579	0	0.15	0	NO	0
PWOPRSES0001580	0	0.15	0	NO	0
PWOPRSES0001581	0	0.15	0	NO	0
PWOPRSES0001582	0	0.15	0	NO	0
PWOPRSES0001583	0	0.15	0	NO	0
PWOPRSES0001584	0	1	0	NO	0
PWOPRSES0001585	0	1	0	NO	0
PWOPRSES0001586	0	1	0	NO	0
PWOPRSES0001587	0	0.15	0	NO	0
PWOPRSES0001633	0	1	0	NO	0
PWOPRSES0001634	0	1	0	NO	0
PWOPRSES0001654	0	0.75	0	NO	0
PWOPRSES0001655	0	1	0	NO	0
PWOPRSES0001656	0	0.15	0	NO	0
PWOPRSES0001658	0	0.85	0	NO	0
PWOPRSES0001660	0	1	0	NO	0
PWOPRSES0001662	0	0.75	0	NO	0
PWOPRSES0001679	0	1	0	NO	0
PWOPRSES0001680	0	1	0	NO	0
PWOPRSES0001681	0	0.15	0	NO	0
PWOPRSES0001682	0	0.15	0	NO	0
PWOPRSES0001684	0	1	0	NO	0
PWOPRSES0001687	0	0.85	0	NO	0

PWOPRSES0001688	0	0.75	0	NO	0
PWOPRSES0001698	0	0.75	0	NO	0
PWOPRSES0001699	0	0.75	0	NO	0
PWOPRSES0001711	0	0.15	0	NO	0
PWOPRSES0001712	0	0.75	0	NO	0
PWOPRSES0001713	0	0.75	0	NO	0
PWOPRSES0001724	0	0.85	0	NO	0
PWOPRSES0001725	0	0.75	0	NO	0
PWOPRSES0001728	0	0.75	0	NO	0
PWOPRSES0001730	0	0.15	0	NO	0
PWOPRSES0001732	0	0.75	0	NO	0
PWOPRSES0001733	0	0.75	0	NO	0
PWOPRSES0001744	0	0.75	0	NO	0
PWOPRSES0001745	0	0.75	0	NO	0
PWOPRSES0001747	0	0.15	0	NO	0
PWOPRSES0001748	0	0.15	0	NO	0
PWOPRSES0001750	0	0.75	0	NO	0
PWOPRSES0001753	0	0.75	0	NO	0
PWOPRSES0001754	0	1	0	NO	0
PWOPRSES0001755	0	0.45	0	NO	0
PWOPRSES0001756	0	0.75	0	NO	0
PWOPRSES0001757	0	0.45	0	NO	0
PWOPRSES0001758	0	0.15	0	NO	0
PWOPRSES0001759	0	0.75	0	NO	0
PWOPRSES0001760	0	0.75	0	NO	0
PWOPRSES0001761	0	0.75	0	NO	0
PWOPRSES0001765A	0	0.15	0	NO	0
PWOPRSES0001765B	0	0.15	0	NO	0
PWOPRSES0001768	0	0.75	0	NO	0
PWOPRSES0001770	0	0.75	0	NO	0
PWOPRSES0001771	0	0.75	0	NO	0
PWOPRSES0001775	0	0.15	0	NO	0
PWOPRSES0001776	0	0.15	0	NO	0
PWOPRSES0001777	0	0.75	0	NO	0
PWOPRSES0001778	0	0.75	0	NO	0
PWOPRSES0001779	0	0.75	0	NO	0
PWOPRSES0001780	0	0.75	0	NO	0
PWOPRSES0001781	0	0.75	0	NO	0
PWOPRSES0001782	0	0.75	0	NO	0
PWOPRSES0001783	0	0.15	0	NO	0
PWOPRSES0001784	0	0.15	0	NO	0

PWOPRSES0001785	0	1	0	NO	0
PWOPRSES0001786	0	0.15	0	NO	0
PWOPRSES0001797	0	0.75	0	NO	0
PWOPRSES0001798	0	0.15	0	NO	0
PWOPRSES0001803	0	0.15	0	NO	0
PWOPRSES0001806	0	0.15	0	NO	0
PWOPRSES0001807	0	0.15	0	NO	0
PWOPRSES0001808	0	1	0	NO	0
PWOPRSES0001809	0	0.15	0	NO	0
PWOPRSES0001810	0	1	0	NO	0
PWOPRSES0001812	0	1	0	NO	0
PWOPRSES0001819	0	0.15	0	NO	0
PWOPRSES0001821	0	0.15	0	NO	0
PWOPRSES0001822	0	0.85	0	NO	0
PWOPRSES0001823	0	0.75	0	NO	0
PWOPRSES0001824	0	0.75	0	NO	0
PWOPRSES0001825	0	0.15	0	NO	0
PWOPRSES0001826	0	0.75	0	NO	0
PWOPRSES0001827	0	0.15	0	NO	0
PWOPRSES0001828	0	1	0	NO	0
PWOPRSES0001829	0	0.15	0	NO	0
PWOPRSES0001844	0	0.75	0	NO	0
PWOPRSES0001845	0	0.15	0	NO	0
PWOPRSES0001855	0	0.75	0	NO	0
PWOPRSES0001856	0	1	0	NO	0
PWOPRSES0001861	0	0.15	0	NO	0
PWOPRSES0001862	0	0.75	0	NO	0
PWOPRSES0001865	0	0.15	0	NO	0
PWOPRSES0001866	0	1	0	NO	0
PWOPRSES0001868	0	0.75	0	NO	0
PWOPRSES0001890	0	0.15	0	NO	0
PWOPRSES0001891	0	0.75	0	NO	0
PWOPRSES0001892	0	0.75	0	NO	0
PWOPRSES0001895	0	0.75	0	NO	0
PWOPRSES0001896	0	0.15	0	NO	0
PWOPRSES0001897	0	0.85	0	NO	0
PWOPRSES0001899	0	0.75	0	NO	0
PWOPRSES0001900	0	0.15	0	NO	0
PWOPRSES0001904	0	1	0	NO	0
PWOPRSES0001905	0	0.15	0	NO	0
PWOPRSES0001906	0	1	0	NO	0

PWOPRSES0001919	0	0.45	0	NO	0
PWOPRSES0001930	0	1	0	NO	0
PWOPRSES0001931	0	0.15	0	NO	0
PWOPRSES0001932	0	0.15	0	NO	0
PWOPRSES0001941	0	0.15	0	NO	0
PWOPRSES0001942	0	0.15	0	NO	0
PWOPRSES0001943	0	0.15	0	NO	0
PWOPRSES0001944	0	0.15	0	NO	0
PWOPRSES0001951	0	0.15	0	NO	0
PWOPRSES0001952	0	0.15	0	NO	0
PWOPRSES0001960	0	0.15	0	NO	0
PWOPRSES0001961	0	0.15	0	NO	0
PWOPRSES0001962	0	1	0	NO	0
PWOPRSES0001963	0	0.15	0	NO	0
PWOPRSES0001968	0	0.15	0	NO	0
PWOPRSES0001972	0	0.75	0	NO	0
PWOPRSES0001976	0	0.15	0	NO	0
PWOPRSES0001977	0	0.75	0	NO	0
PWOPRSES0001978	0	0.15	0	NO	0
PWOPRSES0001979	0	0.75	0	NO	0
PWOPRSES0001984	0	0.15	0	NO	0
PWOPRSES0002119	0	0.75	0	NO	0
PWOPRSES0002120	0	0.75	0	NO	0
PWOPRSES0002121	0	0.75	0	NO	0
PWOPRSES0002122	0	0.75	0	NO	0
PWOPRSES0003435	0	0.75	0	NO	0
PWOPRSES0003436	0	0.75	0	NO	0
PWOPRSES0003439	0	0.75	0	NO	0
PWOPRSES0003446	0	0.45	0	NO	0
PWOPRSES0003447	0	0.75	0	NO	0
PWOPRSES0003448	0	0.75	0	NO	0
PWOPRSES0003449	0	0.75	0	NO	0
PWOPRSES0003457	0	0.75	0	NO	0
PWOPRSES0003465	0	0.75	0	NO	0
PWOPRSES0003466	0	0.75	0	NO	0
PWOPRSES0004584	0	0.75	0	NO	0
PWOPRSES0004585	0	0.75	0	NO	0
PWOPRSES0004586	0	0.75	0	NO	0
PWOPRSES0004587	0	0.75	0	NO	0
PWOPRSES0004588	0	0.75	0	NO	0
PWOPRSES0004589	0	0.75	0	NO	0

PWOPRSES0004590	0	0.75	0	NO	0
PWOPRSES0004591	0	0.15	0	NO	0
PWOPRSES0004592	0	0.75	0	NO	0
PWOPRSES0004593	0	1	0	NO	0
PWOPRSES0004594	0	0.15	0	NO	0
PWOPRSES0004603	0	0.15	0	NO	0
PWOPRSES0004637	0	0.15	0	NO	0
PWOPRSES0005529	0	1	0	NO	0
PWOPRSES0005530	0	0.85	0	NO	0
PWOPRSES0005531	0	0.45	0	NO	0
PWOPRSES0005532	0	0.15	0	NO	0
PWOPRSES0005534	0	0.75	0	NO	0
PWOPRSES0005535	0	0.75	0	NO	0
PWOPRSES0005536	0	0.45	0	NO	0
PWOPRSES0005537	0	0.15	0	NO	0
PWOPRSES0005539	0	0.85	0	NO	0
PWOPRSES0005540	0	0.75	0	NO	0
PWOPRSES0005541	0	0.45	0	NO	0
PWOPRSES0005710	0	0.15	0	NO	0
PWOPRSES0005734	0	0.75	0	NO	0
PWOPRSES0005735	0	0.85	0	NO	0
PWOPRSES0005736	0	0.45	0	NO	0
PWOPRSES0005739	0	0.15	0	NO	0
PWOPRSES0005744	0	0.75	0	NO	0
PWOPRSES0005766	0	0.45	0	NO	0
PWOPRSES0005767	0	0.15	0	NO	0
PWOPRSES0005768	0	0.15	0	NO	0
PWOPRSES0005769	0	0.15	0	NO	0
PWOPRSES0005770	0	0.15	0	NO	0
PWOPRSES0005771	0	1	0	NO	0
PWOPRSES0006537	0	1	0	NO	0
PWOPRSES0006538	0	1	0	NO	0
PWOPRSES0006542	0	1	0	NO	0
PWOPRSES0006547	0	0.15	0	NO	0
PWOPRSES0006548	0	1	0	NO	0
PWOPRSES0006549	0	0.15	0	NO	0
PWOPRSES0006550	0	0.15	0	NO	0
PWOPRSES0006551	0	1	0	NO	0
PWOPRSES0006552	0	1	0	NO	0
PWOPRSES0006553	0	0.15	0	NO	0
PWOPRSES0006554	0	1	0	NO	0

```
PWOPRSES0006555  0          0.15       0          NO         0
PWOPRSES0006576  0          0.15       0          NO         0
PWOPRSES0006577  0          0.15       0          NO         0
STMEasement      0          0.15       0          NO         0

[CURVES]
;;Name           Type       X-Value    Y-Value
;;-------------- ---------- ---------- ----------
10CBs            Rating     0          0
10CBs                       0.02       0.6
10CBs                       0.3        0.6

11CBs            Rating     0          0
11CBs                       0.02       0.66
11CBs                       0.3        0.66

12CBs            Rating     0          0
12CBs                       0.02       0.72
12CBs                       0.3        0.72

13CBs            Rating     0          0
13CBs                       0.02       0.78
13CBs                       0.3        0.78

14CBs            Rating     0          0
14CBs                       0.02       0.84
14CBs                       0.3        0.84

15CBs            Rating     0          0
15CBs                       0.02       0.9
15CBs                       0.3        0.9

16CBs            Rating     0          0
16CBs                       0.02       0.96
16CBs                       0.3        0.96

17CBs            Rating     0          0
17CBs                       0.02       1.02
17CBs                       0.3        1.02

18CBs            Rating     0          0
18CBs                       0.02       1.08
```

```
18CBs                       0.3        1.08

1CBs            Rating      0          0
1CBs                        0.01       0.06
1CBs                        0.3        0.06

21CBs           Rating      0          0
21CBs                       0.02       1.26
21CBs                       0.3        1.26

27CBs           Rating      0          0
27CBs                       0.02       1.62
27CBs                       0.3        1.62

2CBs            Rating      0          0
2CBs                        0.01       0.12
2CBs                        0.3        0.12

3CBs            Rating      0          0
3CBs                        0.01       0.18
3CBs                        0.3        0.18

4CBs            Rating      0          0
4CBs                        0.01       0.24
4CBs                        0.3        0.24

5CBs            Rating      0          0
5CBs                        0.01       0.3
5CBs                        0.3        0.3

6CBs            Rating      0          0
6CBs                        0.01       0.36
6CBs                        0.3        0.36

7CBs            Rating      0          0
7CBs                        0.01       0.42
7CBs                        0.3        0.42

8CBs            Rating      0          0
8CBs                        0.01       0.48
8CBs                        0.3        0.48
```

```
9CBs            Rating     0          0
9CBs                       0.01       0.54
9CBs                       0.3        0.54

SWM28RC         Rating     0          0
SWM28RC                    0.615      0
SWM28RC                    0.8        0
SWM28RC                    0.9        0
SWM28RC                    1          0
SWM28RC                    1.1        0.005
SWM28RC                    1.2        0.061
SWM28RC                    1.3        0.088
SWM28RC                    1.4        0.108
SWM28RC                    1.5        0.778
SWM28RC                    1.6        0.814
SWM28RC                    1.7        0.848
SWM28RC                    1.8        0.881
SWM28RC                    1.9        0.912
SWM28RC                    2          0.943
SWM28RC                    2.1        0.972
SWM28RC                    2.2        1.001
SWM28RC                    2.3        1.029
SWM28RC                    2.4        1.056
SWM28RC                    2.5        1.082
SWM28RC                    2.6        1.108
SWM28RC                    2.7        1.133
SWM28RC                    2.8        1.158

;Represents outflow via CB outlets to sewer.  Assumption CBs are at same level as PP (makes sense) - survey shows
them lower, which in turn doesn't match the photos in inventory.
SWM4RC          Rating     0          0
SWM4RC                     1.25       0
SWM4RC                     1.27       0.024
SWM4RC                     1.31       0.078
SWM4RC                     1.33       0.12
SWM4RC                     1.38       0.24
SWM4RC                     1.45       0.48
SWM4RC                     1.55       1.02
SWM4RC                     1.59       1.2
SWM4RC                     1.73       2.4
SWM4RC                     1.85       3.6
```

H.10 Input for PCSWMM for Scenario 10

```
SWM4RC                      2          4.8

SWM_A1           Storage    0          6400
SWM_A1                      0.5        7056
SWM_A1                      1          7744
SWM_A1                      1.5        8464
SWM_A1                      2          9216
SWM_A1                      2.5        10000
SWM_A1                      3          10816

SWM_A2           Storage    0          32400
SWM_A2                      0.5        33856
SWM_A2                      1          35344
SWM_A2                      1.5        36864
SWM_A2                      2          38416
SWM_A2                      2.5        40000
SWM_A2                      3          41616

SWM_A3           Storage    0          42025
SWM_A3                      0.5        43681
SWM_A3                      1          45369
SWM_A3                      1.5        47089
SWM_A3                      2          48841
SWM_A3                      2.5        50625
SWM_A3                      3          52441

SWM_A4           Storage    0          140625
SWM_A4                      0.5        143641
SWM_A4                      1          146689
SWM_A4                      1.5        149769
SWM_A4                      2          152881
SWM_A4                      2.5        156025
SWM_A4                      3          159201

SWM_B1           Storage    0          4900
SWM_B1                      0.5        5476
SWM_B1                      1          6084
SWM_B1                      1.5        6724
SWM_B1                      2          7396
SWM_B1                      2.5        8100
SWM_B1                      3          8836
```

```
SWM_B2          Storage    0          25600
SWM_B2                     0.5        26569
SWM_B2                     1          27556
SWM_B2                     1.5        28561
SWM_B2                     2          29584
SWM_B2                     2.5        30625
SWM_B2                     3          31684

SWM_C1          Storage    0          15625
SWM_C1                     0.5        16641
SWM_C1                     1          17689
SWM_C1                     1.5        18769
SWM_C1                     2          19881
SWM_C1                     2.5        21025
SWM_C1                     3          22201

SWM_D1          Storage    0          50625
SWM_D1                     0.5        52441
SWM_D1                     1          54289
SWM_D1                     1.5        56169
SWM_D1                     2          58081
SWM_D1                     2.5        60025
SWM_D1                     3          62001

SWM_D2          Storage    0          100
SWM_D2                     0.5        196
SWM_D2                     1          324
SWM_D2                     1.5        484
SWM_D2                     2          676
SWM_D2                     2.5        900
SWM_D2                     3          1156

SWM_D3          Storage    0          13225
SWM_D3                     0.5        14161
SWM_D3                     1          15129
SWM_D3                     1.5        16129
SWM_D3                     2          17161
SWM_D3                     2.5        18225
SWM_D3                     3          19321

SWM_D4          Storage    0          9025
```

```
SWM_D4                      0.5        9801
SWM_D4                      1          10609
SWM_D4                      1.5        11449
SWM_D4                      2          12321
SWM_D4                      2.5        13225
SWM_D4                      3          14161

SWM_E1           Storage    0          100
SWM_E1                      0.5        196
SWM_E1                      1          324
SWM_E1                      1.5        484
SWM_E1                      2          676
SWM_E1                      2.5        900
SWM_E1                      3          1156

SWM_E2           Storage    0          144
SWM_E2                      0.5        256
SWM_E2                      1          400
SWM_E2                      1.5        576
SWM_E2                      2          784
SWM_E2                      2.5        1024
SWM_E2                      3          1296

WetlandA2        Storage    0          0
WetlandA2                   0.5        43647
WetlandA2                   1          98288
WetlandA2                   1.5        113931
WetlandA2                   2          114893
WetlandA2                   2.5        114932
WetlandA2                   3          114932

WetlandA3        Storage    0          12203
WetlandA3                   0.5        31285
WetlandA3                   1          84316
WetlandA3                   1.5        119057
WetlandA3                   2          147660
WetlandA3                   2.5        182929
WetlandA3                   3          251326
WetlandA3                   3.5        340723
WetlandA3                   4          451413
WetlandA3                   4.5        540607
```

```
WetlandA3                   5          566035
WetlandA3                   5.5        567097

WetlandA4        Storage    0          22748
WetlandA4                   0.5        37777
WetlandA4                   1          56843
WetlandA4                   1.5        85353
WetlandA4                   2          136310
WetlandA4                   2.5        254969
WetlandA4                   3          366650
WetlandA4                   3.5        464859
WetlandA4                   4          572352
WetlandA4                   4.5        643960
WetlandA4                   5          729815
WetlandA4                   5.5        794027

WetlandB1        Storage    0          748
WetlandB1                   0.5        2179
WetlandB1                   1          4353
WetlandB1                   1.5        18749
WetlandB1                   2          29524
WetlandB1                   2.5        30815
WetlandB1                   3          30837

WetlandC1        Storage    0          0
WetlandC1                   0.5        2567
WetlandC1                   1          10045
WetlandC1                   1.5        21166
WetlandC1                   2          30166
WetlandC1                   2.5        31435
WetlandC1                   3          31518

WetlandD1        Storage    0          0
WetlandD1                   0.5        13522
WetlandD1                   1          58665
WetlandD1                   1.5        127160
WetlandD1                   2          131458
WetlandD1                   2.5        131580
WetlandD1                   3          131580

WetlandD2        Storage    0          650
```

```
WetlandD2                   0.5        7394
WetlandD2                   1          48890
WetlandD2                   1.5        89082
WetlandD2                   2          133528
WetlandD2                   2.5        153565
WetlandD2                   3          162160

WetlandD3        Storage    0          0
WetlandD3                   0.5        1820
WetlandD3                   1          46389
WetlandD3                   1.5        54012
WetlandD3                   2          56062
WetlandD3                   2.5        56124
WetlandD3                   3          56124

WetlandD4        Storage    0          157
WetlandD4                   0.5        10443
WetlandD4                   1          14310
WetlandD4                   1.5        30878
WetlandD4                   2          33670
WetlandD4                   2.5        34949
WetlandD4                   3          35215

WetlandE1        Storage    0          0
WetlandE1                   0.5        7717.148314
WetlandE1                   1          17612.80256
WetlandE1                   1.5        25586.52171
WetlandE1                   2          28587
WetlandE1                   2.5        29290
WetlandE1                   3          29297

WetlandE2        Storage    0          0
WetlandE2                   0.5        6088.864713
WetlandE2                   1          7509.22668
WetlandE2                   1.5        7840
WetlandE2                   2          7885
WetlandE2                   2.5        7885
WetlandE2                   3          7885

WetlandE3        Storage    0          262.986564
WetlandE3                   1          8013.773861
```

```
WetlandE3                   2          17068.55258
WetlandE3                   3          23881.86007
WetlandE3                   4          31930.37758
WetlandE3                   5          45851.68924
WetlandE3                   6          59052.95639
WetlandE3                   7          67360.7874
WetlandE3                   8          77508.42571
WetlandE3                   9          80545.00609
WetlandE3                   10         92149.70895
WetlandE3                   11         108177.4222

[TIMESERIES]
;;Name           Date       Time       Value
;;-------------- ---------- ---------- ----------
;Guelph IDF Curve
AES12hour_100yr             0:15       1.01
AES12hour_100yr             0:30       1.01
AES12hour_100yr             0:45       1.01
AES12hour_100yr             1:00       1.01
AES12hour_100yr             1:15       1.01
AES12hour_100yr             1:30       1.01
AES12hour_100yr             1:45       1.01
AES12hour_100yr             2:00       1.01
AES12hour_100yr             2:15       5.81
AES12hour_100yr             2:30       5.81
AES12hour_100yr             2:45       5.81
AES12hour_100yr             3:00       5.81
AES12hour_100yr             3:15       16.65
AES12hour_100yr             3:30       16.65
AES12hour_100yr             3:45       16.65
AES12hour_100yr             4:00       16.65
AES12hour_100yr             4:15       44.93
AES12hour_100yr             4:30       44.93
AES12hour_100yr             4:45       44.93
AES12hour_100yr             5:00       44.93
AES12hour_100yr             5:15       12.74
AES12hour_100yr             5:30       12.74
AES12hour_100yr             5:45       12.74
AES12hour_100yr             6:00       12.74
AES12hour_100yr             6:15       6.82
AES12hour_100yr             6:30       6.82
```

```
AES12hour_100yr             6:45       6.82
AES12hour_100yr             7:00       6.82
AES12hour_100yr             7:15       3.91
AES12hour_100yr             7:30       3.91
AES12hour_100yr             7:45       3.91
AES12hour_100yr             8:00       3.91
AES12hour_100yr             8:15       1.90
AES12hour_100yr             8:30       1.90
AES12hour_100yr             8:45       1.90
AES12hour_100yr             9:00       1.90
AES12hour_100yr             9:15       1.01
AES12hour_100yr             9:30       1.01
AES12hour_100yr             9:45       1.01
AES12hour_100yr             10:00      1.01
AES12hour_100yr             10:15      1.01
AES12hour_100yr             10:30      1.01
AES12hour_100yr             10:45      1.01
AES12hour_100yr             11:00      1.01
AES12hour_100yr             11:15      1.01
AES12hour_100yr             11:30      1.01
AES12hour_100yr             11:45      1.01
AES12hour_100yr             12:00      1.01

;Guelph IDF Curve
AES6hour_100yr              0:15       1.865082087
AES6hour_100yr              0:30       1.865082087
AES6hour_100yr              0:45       1.865082087
AES6hour_100yr              1:00       1.865082087
AES6hour_100yr              1:15       11.19049252
AES6hour_100yr              1:30       11.19049252
AES6hour_100yr              1:45       31.70639362
AES6hour_100yr              2:00       31.70639362
AES6hour_100yr              2:15       85.79376981
AES6hour_100yr              2:30       85.79376981
AES6hour_100yr              2:45       24.24606527
AES6hour_100yr              3:00       24.24606527
AES6hour_100yr              3:15       13.05557399
AES6hour_100yr              3:30       13.05557399
AES6hour_100yr              3:45       7.460328346
AES6hour_100yr              4:00       7.460328346
AES6hour_100yr              4:15       3.730164173
```

```
AES6hour_100yr              4:30       3.730164173
AES6hour_100yr              4:45       1.865082087
AES6hour_100yr              5:00       1.865082087
AES6hour_100yr              5:15       1.865082087
AES6hour_100yr              5:30       1.865082087
AES6hour_100yr              5:45       1.865082087
AES6hour_100yr              6:00       1.865082087

;2100 IDF Curve Predicition
CC_AES12hour_100yr            0:15       1.78
CC_AES12hour_100yr            0:30       1.78
CC_AES12hour_100yr            0:45       1.78
CC_AES12hour_100yr            1:00       1.78
CC_AES12hour_100yr            1:15       1.78
CC_AES12hour_100yr            1:30       1.78
CC_AES12hour_100yr            1:45       1.78
CC_AES12hour_100yr            2:00       1.78
CC_AES12hour_100yr            2:15       10.26
CC_AES12hour_100yr            2:30       10.26
CC_AES12hour_100yr            2:45       10.26
CC_AES12hour_100yr            3:00       10.26
CC_AES12hour_100yr            3:15       29.40
CC_AES12hour_100yr            3:30       29.40
CC_AES12hour_100yr            3:45       29.40
CC_AES12hour_100yr            4:00       29.40
CC_AES12hour_100yr            4:15       79.33
CC_AES12hour_100yr            4:30       79.33
CC_AES12hour_100yr            4:45       79.33
CC_AES12hour_100yr            5:00       79.33
CC_AES12hour_100yr            5:15       22.50
CC_AES12hour_100yr            5:30       22.50
CC_AES12hour_100yr            5:45       22.50
CC_AES12hour_100yr            6:00       22.50
CC_AES12hour_100yr            6:15       12.04
CC_AES12hour_100yr            6:30       12.04
CC_AES12hour_100yr            6:45       12.04
CC_AES12hour_100yr            7:00       12.04
CC_AES12hour_100yr            7:15       6.91
CC_AES12hour_100yr            7:30       6.91
CC_AES12hour_100yr            7:45       6.91
CC_AES12hour_100yr            8:00       6.91
```

```
CC_AES12hour_100yr            8:15       3.35
CC_AES12hour_100yr            8:30       3.35
CC_AES12hour_100yr            8:45       3.35
CC_AES12hour_100yr            9:00       3.35
CC_AES12hour_100yr            9:15       1.78
CC_AES12hour_100yr            9:30       1.78
CC_AES12hour_100yr            9:45       1.78
CC_AES12hour_100yr            10:00      1.78
CC_AES12hour_100yr            10:15      1.78
CC_AES12hour_100yr            10:30      1.78
CC_AES12hour_100yr            10:45      1.78
CC_AES12hour_100yr            11:00      1.78
CC_AES12hour_100yr            11:15      1.78
CC_AES12hour_100yr            11:30      1.78
CC_AES12hour_100yr            11:45      1.78
CC_AES12hour_100yr            12:00      1.78

Guelph100Y       01/19/2010 0:00       0
Guelph100Y       01/19/2010 0:05       3.05
Guelph100Y       01/19/2010 0:10       3.33
Guelph100Y       01/19/2010 0:15       3.7
Guelph100Y       01/19/2010 0:20       4.14
Guelph100Y       01/19/2010 0:25       4.68
Guelph100Y       01/19/2010 0:30       5.34
Guelph100Y       01/19/2010 0:35       6.18
Guelph100Y       01/19/2010 0:40       7.26
Guelph100Y       01/19/2010 0:45       8.89
Guelph100Y       01/19/2010 0:50       10.63
Guelph100Y       01/19/2010 0:55       13.39
Guelph100Y       01/19/2010 1:00       17.51
Guelph100Y       01/19/2010 1:05       24.1
Guelph100Y       01/19/2010 1:10       35.69
Guelph100Y       01/19/2010 1:15       59.35
Guelph100Y       01/19/2010 1:20       121.59
Guelph100Y       01/19/2010 1:25       239.35
Guelph100Y       01/19/2010 1:30       137.52
Guelph100Y       01/19/2010 1:35       80.54
Guelph100Y       01/19/2010 1:40       53.35
Guelph100Y       01/19/2010 1:45       38.19
Guelph100Y       01/19/2010 1:50       28.84
Guelph100Y       01/19/2010 1:55       22.65
```

Guelph100Y	01/19/2010 2:00	18.33
Guelph100Y	01/19/2010 2:05	15.19
Guelph100Y	01/19/2010 2:10	12.83
Guelph100Y	01/19/2010 2:15	11
Guelph100Y	01/19/2010 2:20	9.56
Guelph100Y	01/19/2010 2:25	8.41
Guelph100Y	01/19/2010 2:30	7.46
Guelph100Y	01/19/2010 2:35	6.68
Guelph100Y	01/19/2010 2:40	6.02
Guelph100Y	01/19/2010 2:45	5.49
Guelph100Y	01/19/2010 2:50	4.99
Guelph100Y	01/19/2010 2:55	4.58
Guelph100Y	01/19/2010 3:00	4.22
Guelph100Y	01/19/2010 3:05	3.91
Guelph100Y	01/19/2010 3:10	3.63
Guelph100Y	01/19/2010 3:15	3.38
Guelph100Y	01/19/2010 3:20	3.17
Guelph100Y	01/19/2010 3:25	3.05
Guelph100Y	01/19/2010 3:30	0

Guelph5Y	01/19/2010 0:00	0
Guelph5Y	01/19/2010 0:05	3.06
Guelph5Y	01/19/2010 0:10	3.35
Guelph5Y	01/19/2010 0:15	3.7
Guelph5Y	01/19/2010 0:20	4.13
Guelph5Y	01/19/2010 0:25	4.68
Guelph5Y	01/19/2010 0:30	5.37
Guelph5Y	01/19/2010 0:35	6.3
Guelph5Y	01/19/2010 0:40	7.59
Guelph5Y	01/19/2010 0:45	9.48
Guelph5Y	01/19/2010 0:50	12.46
Guelph5Y	01/19/2010 0:55	17.72
Guelph5Y	01/19/2010 1:00	28.8
Guelph5Y	01/19/2010 1:05	61.69
Guelph5Y	01/19/2010 1:10	139.29
Guelph5Y	01/19/2010 1:15	70.6
Guelph5Y	01/19/2010 1:20	39.22
Guelph5Y	01/19/2010 1:25	25.91
Guelph5Y	01/19/2010 1:30	18.86
Guelph5Y	01/19/2010 1:35	14.61
Guelph5Y	01/19/2010 1:40	11.81

```
Guelph5Y         01/19/2010 1:45       9.86
Guelph5Y         01/19/2010 1:50       8.42
Guelph5Y         01/19/2010 1:55       7.33
Guelph5Y         01/19/2010 2:00       6.48
Guelph5Y         01/19/2010 2:05       5.8
Guelph5Y         01/19/2010 2:10       5.24
Guelph5Y         01/19/2010 2:15       4.78
Guelph5Y         01/19/2010 2:20       4.39
Guelph5Y         01/19/2010 2:25       4.05
Guelph5Y         01/19/2010 2:30       3.77
Guelph5Y         01/19/2010 2:35       3.52
Guelph5Y         01/19/2010 2:40       3.3
Guelph5Y         01/19/2010 2:45       3.1
Guelph5Y         01/19/2010 2:50       3.05
Guelph5Y         01/19/2010 2:55       0

;Rainfall (mm/hr)
Hurricane_Hazel_(0-25) 01/19/2010 00:00:00   6.33
Hurricane_Hazel_(0-25) 01/19/2010 01:00:00   4.22
Hurricane_Hazel_(0-25) 01/19/2010 02:00:00   6.33
Hurricane_Hazel_(0-25) 01/19/2010 03:00:00   12.66
Hurricane_Hazel_(0-25) 01/19/2010 04:00:00   16.88
Hurricane_Hazel_(0-25) 01/19/2010 05:00:00   12.66
Hurricane_Hazel_(0-25) 01/19/2010 06:00:00   23.21
Hurricane_Hazel_(0-25) 01/19/2010 07:00:00   12.66
Hurricane_Hazel_(0-25) 01/19/2010 08:00:00   12.66
Hurricane_Hazel_(0-25) 01/19/2010 09:00:00   52.75
Hurricane_Hazel_(0-25) 01/19/2010 10:00:00   37.98
Hurricane_Hazel_(0-25) 01/19/2010 11:00:00   12.66

[REPORT]
;;Reporting Options
INPUT      NO
CONTROLS   NO
SUBCATCHMENTS ALL
NODES ALL
LINKS ALL

[TAGS]
Subcatch   A1               WETLAND
Subcatch   A1.1             SUB
```

```
Subcatch   A1.1_FRST        FOREST
Subcatch   A2               WETLAND
Subcatch   A2.1             SUB
Subcatch   A2.1_FRST        FOREST
Subcatch   A2.2             SUB
Subcatch   A2.2_FRST        FOREST
Subcatch   A3               WETLAND
Subcatch   A3.1             SUB
Subcatch   A3.1_FRST        FOREST
Subcatch   A3.2             SUB
Subcatch   A3.2_FRST        FOREST
Subcatch   A3.3             SUB
Subcatch   A3.3_FRST        FOREST
Subcatch   A4               WETLAND
Subcatch   A4.1             SUB
Subcatch   A4.1_FRST        FOREST
Subcatch   A4.2             SUB
Subcatch   A4.2_FRST        FOREST
Subcatch   A4.3             SUB
Subcatch   A4.3_FRST        FOREST
Subcatch   A4.4_FRST        FOREST
Subcatch   A4.5             SUB
Subcatch   A4.5_FRST        FOREST
Subcatch   A4.6             SUB
Subcatch   A4.6_FRST        FOREST
Subcatch   B1               WETLAND
Subcatch   B1.1             SUB
Subcatch   B1.1_FRST        FOREST
Subcatch   B2               WETLAND
Subcatch   B2.1             SUB
Subcatch   B2.1_FRST        FOREST
Subcatch   C1               WETLAND
Subcatch   C1.1             SUB
Subcatch   C1.1_FRST        FOREST
Subcatch   D1               WETLAND
Subcatch   D1.1             SUB
Subcatch   D1.1_FRST        FOREST
Subcatch   D2               WETLAND
Subcatch   D2.1             SUB
Subcatch   D2.1_FRST        FOREST
Subcatch   D3               WETLAND
```

H.10 Input for PCSWMM for Scenario 10

```
Subcatch   D3.1             SUB
Subcatch   D4               WETLAND
Subcatch   D4.1             SUB
Subcatch   D4.1_FRST        FOREST
Subcatch   E1               WETLAND
Subcatch   E1.1             SUB
Subcatch   E1.1_FRST        FOREST
Subcatch   E2               WETLAND
Subcatch   E2.1             SUB
Subcatch   E2.1_FRST        FOREST
Subcatch   E3               WETLAND
Subcatch   E3.1             SUB
Subcatch   E3.1_FRST        FOREST
Node       13               PEAKFLOW
Node       14               OVERFLOW
Node       18               PEAKFLOW
Node       20               OVERFLOW
Node       21               PEAKFLOW
Node       22               PEAKFLOW
Node       28               OVERFLOW
Node       31               PEAKFLOW
Node       37               OVERFLOW
Node       40               OVERFLOW
Node       42               OVERFLOW
Node       48               OVERFLOW
Node       49               OVERFLOW
Node       5                PEAKFLOW
Node       50               OVERFLOW
Node       54               OVERFLOW
Node       56               PEAKFLOW
Node       7                OVERFLOW
Node       9                PEAKFLOW
Link       45               OVERFLOW
Link       46               OVERFLOW
Link       49               OVERFLOW
Link       51               OVERFLOW
Link       53               OVERFLOW
Link       55               OVERFLOW
Link       56               OVERFLOW
Link       59               OVERFLOW
Link       61               OVERFLOW
```

```
Link       62              OVERFLOW
Link       64              OVERFLOW
Link       66              OVERFLOW
Link       67              OVERFLOW

[MAP]
DIMENSIONS       560049.17765     4813980.0537     566747.96535     4819891.9223
UNITS            Meters

[COORDINATES]
;;Node           X-Coord          Y-Coord
;;-------------- ---------------- ----------------
1                563505.595       4818857.531
11               562264.051       4817092.616
12               562093.693       4816996.517
13               561923.335       4816939.73
14               563765.659       4818608.344
15               561698.149       4817099.989
17               561555.781       4817211.295
18               562426.62        4818157.29
19               562538.173       4818252.284
2                563971.394       4816882.676
20               564178.863       4818321.328
21               562545.175       4815756.588
22               562792.469       4817889.143
24               562914.204       4817643.271
25               562839.502       4817808.814
26               563392.315       4814809.546
27               563008.362       4815059.447
28               564101.861       4817495.179
29               562658.413       4815370.702
3                563813.34        4818552.225
30               562518.57        4815887.312
31               562509.891       4815976.414
32               562389.177       4816125.495
34               562132.804       4816343.723
35               562141.559       4816415.771
36               562019.922       4816837.051
37               562691.445       4818224.496
39               562260.757       4815366.47
4                562898.769       4818142.309
```

40	562735.784	4816716.891
42	562653.629	4817959.571
48	562791.226	4815250.407
49	562119.461	4815316.718
5	564285.83	4818262.163
50	562180.148	4816210.903
53	561776.788	4817092.883
54	561654.389	4817151.371
56	560575.172	4817438.611
6	564448.132	4818114.766
7	562660.913	4817047.623
8	563452.191	4817241.134
9	563050.32	4817206.188
MHEasement1	561877.237	4816229.292
MHEasement2	561949.252	4816236.207
MHSchool	562556.23	4818733.76
MHSWM4	561796.452	4817542.016
PWOPRMHS0001369	561884.193	4816425.78
PWOPRMHS0001370	561860.035	4816232.92
PWOPRMHS0001371	561855.459	4816222.492
PWOPRMHS0001372	561846.661	4816215.753
PWOPRMHS0001373	561812.341	4816475.01
PWOPRMHS0001374	561843.527	4816298.466
PWOPRMHS0001375	561847.848	4816285.339
PWOPRMHS0001386	561972.542	4816243.198
PWOPRMHS0001387	561961.55	4816273.581
PWOPRMHS0001388	561945.075	4816327.358
PWOPRMHS0001389	561922.976	4816376.79
PWOPRMHS0001390	561862.605	4816605.17
PWOPRMHS0001391	561851.715	4816638.463
PWOPRMHS0001392	561799.907	4816625.51
PWOPRMHS0001393	561718.958	4816564.397
PWOPRMHS0001394	561827.11	4816719.731
PWOPRMHS0001395	561761.638	4816780.338
PWOPRMHS0001398	561742.623	4816939.696
PWOPRMHS0001399	561765.69	4816913.305
PWOPRMHS0001400	561778.566	4816886.367
PWOPRMHS0001401	561793.986	4816829.638
PWOPRMHS0001402	561805.703	4816791.896
PWOPRMHS0001403	561746.177	4817608.49
PWOPRMHS0001404	561635.613	4816631.971

PWOPRMHS0001408	561601.462	4816667.671
PWOPRMHS0001409	561825.428	4817917.837
PWOPRMHS0001410	561840.501	4817971.076
PWOPRMHS0001411	561844.591	4817982.614
PWOPRMHS0001412	561869.304	4818052.989
PWOPRMHS0001413	561877.912	4818049.95
PWOPRMHS0001415	561825.048	4816476.95
PWOPRMHS0001416	561824.196	4817541.964
PWOPRMHS0001418	561877.987	4817487.164
PWOPRMHS0001419	561824.809	4816326.341
PWOPRMHS0001420	561802.331	4816346.087
PWOPRMHS0001421	561774.617	4816354.775
PWOPRMHS0001422	561771.574	4816423.521
PWOPRMHS0001423	561757.078	4816402.985
PWOPRMHS0001424	561711.709	4816422.071
PWOPRMHS0001428	561744.231	4816300.096
PWOPRMHS0001429	561751.471	4816357.794
PWOPRMHS0001430	561753.029	4816371.442
PWOPRMHS0001431	561782.805	4816200.606
PWOPRMHS0001433	561917.179	4817502.421
PWOPRMHS0001435	561950.344	4817403.392
PWOPRMHS0001436	561964.452	4817448.082
PWOPRMHS0001437	561975.395	4817428.756
PWOPRMHS0001438	561966.497	4817387.235
PWOPRMHS0001467	561588.747	4816585.318
PWOPRMHS0001597	562940.584	4818233.191
PWOPRMHS0001598	562944.811	4818100.994
PWOPRMHS0001600	563054.204	4818236.639
PWOPRMHS0001601	563020.359	4818180.421
PWOPRMHS0001602	563006.722	4818166.463
PWOPRMHS0001603	562996.574	4818175.509
PWOPRMHS0001604	562983.713	4818173.975
PWOPRMHS0001605	562983.177	4818191.591
PWOPRMHS0001606	562916.138	4818104.669
PWOPRMHS0001608	562941.941	4818079.72
PWOPRMHS0001610	562941.014	4818100.853
PWOPRMHS0001611	562418.856	4818184.213
PWOPRMHS0001614	562411.822	4818229.263
PWOPRMHS0001622	561798.793	4818077.804
PWOPRMHS0001624	561870.607	4818352.898
PWOPRMHS0001625	561875.988	4818344.603

PWOPRMHS0001626	561851.385	4818381.332
PWOPRMHS0001634	561764.309	4817989.272
PWOPRMHS0001642	562403.42	4818235.142
PWOPRMHS0001643	562380.587	4818237.202
PWOPRMHS0001649	561929.012	4818313.016
PWOPRMHS0001650	561921.69	4818318.725
PWOPRMHS0001651	561893.769	4818346.3
PWOPRMHS0001652	562004.742	4818378.223
PWOPRMHS0001653	562068.226	4818335.822
PWOPRMHS0001654	562090.795	4818330.833
PWOPRMHS0001655	561934.734	4818295.39
PWOPRMHS0001657	562096.337	4818314.226
PWOPRMHS0001658	562091.176	4818297.637
PWOPRMHS0001659	562053.425	4818289.351
PWOPRMHS0001660	562195.031	4818375.544
PWOPRMHS0001661B	562158.925	4818366.059
PWOPRMHS0001662	562174.087	4818351.558
PWOPRMHS0001663	562166.723	4818351.838
PWOPRMHS0001664	562026.148	4818376.683
PWOPRMHS0001667	562856.537	4818041.852
PWOPRMHS0001670	562794.817	4817977.145
PWOPRMHS0001674	562810.361	4818443.76
PWOPRMHS0001676	562823.661	4818447.839
PWOPRMHS0001677	562859.193	4818424.794
PWOPRMHS0001678	562867.364	4818426.043
PWOPRMHS0001679	563028.109	4818686.17
PWOPRMHS0001680	563015.22	4818689.59
PWOPRMHS0001682	562768.026	4818647.408
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[VERTICES]
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A3.1	564168.493	4818081.145
A3.1	564172.75	4818077.092
A3.1	564180.766	4818069.461
A3.1	564187.506	4818063.045
A3.1	564191.701	4818053.329
A3.1	564200.387	4818033.205
A3.1	564204.532	4818023.603
A3.1	564199.986	4818006.941
A3.1	564198.012	4817999.707
A3.1	564189.429	4817990.761
A3.1	564177.556	4817978.386
A3.1	564170.265	4817970.788
A3.1	564162.975	4817963.189
A3.1	564155.684	4817955.59
A3.1	564148.394	4817947.992
A3.1	564141.103	4817940.393
A3.1	564133.812	4817932.794
A3.1	564126.522	4817925.196
A3.1	564119.231	4817917.597

```
A3.1             564111.941       4817909.999
A3.1             564105.345       4817903.124
A3.1             564098.748       4817896.249
A3.1             564092.152       4817889.374
A3.1             564085.556       4817882.499
A3.1             564078.96        4817875.624
A3.1             564072.364       4817868.749
A3.1             564065.767       4817861.874
A3.1             564059.171       4817854.999
A3.1             564052.575       4817848.124
A3.1             564045.978       4817841.25
A3.1             564039.73        4817834.737
A3.1             564033.481       4817828.224
A3.1             564027.232       4817821.711
A3.1             564020.982       4817815.198
A3.1             564014.734       4817808.684
A3.1             564008.485       4817802.171
A3.1             564002.236       4817795.658
A3.1             563993.209       4817786.251
A3.1             563980.6         4817773.109
A3.1             563965.391       4817757.257
A3.1             563959.735       4817759.832
A3.1             563937.518       4817769.943
A3.1             563921.732       4817784.971
A3.1             563906.67        4817799.309
A3.1             563887.369       4817817.682
A3.1             563879.25        4817825.41
A3.1             563865.573       4817838.43
;Part2: A3.1
A3.1             563808.608       4817593.851
A3.1             563836.711       4817714.511
A3.1             563900.795       4817689.932
A3.1             563833.082       4817619.358
A3.1             563808.608       4817593.851
......
Too many subcatchment entities (247 in total).

[SYMBOLS]
;;Gage           X-Coord          Y-Coord
;;-------------- ---------------- ----------------
```

APPENDIX I - PCSWMM OUTPUT FOR THE 100 YEAR AES STORM

```
EPA STORM WATER MANAGEMENT MODEL - VERSION 5.1 (Build 5.1.013)
--------------------------------------------------------------

Network HC01 - discharges to SWM 7.  Dual Drainage version of model.

WARNING 03: negative offset ignored for Link 1
WARNING 03: negative offset ignored for Link 1
WARNING 03: negative offset ignored for Link 10
WARNING 03: negative offset ignored for Link 10
WARNING 03: negative offset ignored for Link 11
WARNING 03: negative offset ignored for Link 11
WARNING 03: negative offset ignored for Link 12
WARNING 03: negative offset ignored for Link 12
WARNING 03: negative offset ignored for Link 13
WARNING 03: negative offset ignored for Link 13
WARNING 03: negative offset ignored for Link 14
WARNING 03: negative offset ignored for Link 14
WARNING 03: negative offset ignored for Link 15
WARNING 03: negative offset ignored for Link 15
WARNING 03: negative offset ignored for Link 17
WARNING 03: negative offset ignored for Link 17
WARNING 03: negative offset ignored for Link 18
WARNING 03: negative offset ignored for Link 18
WARNING 03: negative offset ignored for Link 19
WARNING 03: negative offset ignored for Link 19
WARNING 03: negative offset ignored for Link 2
WARNING 03: negative offset ignored for Link 2
WARNING 03: negative offset ignored for Link 20
WARNING 03: negative offset ignored for Link 20
WARNING 03: negative offset ignored for Link 21
WARNING 03: negative offset ignored for Link 21
WARNING 03: negative offset ignored for Link 22
WARNING 03: negative offset ignored for Link 22
WARNING 03: negative offset ignored for Link 23
WARNING 03: negative offset ignored for Link 23
WARNING 03: negative offset ignored for Link 24
WARNING 03: negative offset ignored for Link 24
WARNING 03: negative offset ignored for Link 25
WARNING 03: negative offset ignored for Link 25
WARNING 03: negative offset ignored for Link 26
WARNING 03: negative offset ignored for Link 26
WARNING 03: negative offset ignored for Link 27
WARNING 03: negative offset ignored for Link 27
WARNING 03: negative offset ignored for Link 28
WARNING 03: negative offset ignored for Link 28
WARNING 03: negative offset ignored for Link 29
WARNING 03: negative offset ignored for Link 29
WARNING 03: negative offset ignored for Link 3
WARNING 03: negative offset ignored for Link 3
WARNING 03: negative offset ignored for Link 30
WARNING 03: negative offset ignored for Link 30
WARNING 03: negative offset ignored for Link 31
WARNING 03: negative offset ignored for Link 31
WARNING 03: negative offset ignored for Link 32
WARNING 03: negative offset ignored for Link 32
WARNING 03: negative offset ignored for Link 33
```

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WARNING 03: negative offset ignored for Link 33
WARNING 03: negative offset ignored for Link 34
WARNING 03: negative offset ignored for Link 34
WARNING 03: negative offset ignored for Link 35
WARNING 03: negative offset ignored for Link 35
WARNING 03: negative offset ignored for Link 36
WARNING 03: negative offset ignored for Link 37
WARNING 03: negative offset ignored for Link 37
WARNING 03: negative offset ignored for Link 38
WARNING 03: negative offset ignored for Link 38
WARNING 03: negative offset ignored for Link 39
WARNING 03: negative offset ignored for Link 39
WARNING 03: negative offset ignored for Link 4
WARNING 03: negative offset ignored for Link 4
WARNING 03: negative offset ignored for Link 40
WARNING 03: negative offset ignored for Link 40
WARNING 03: negative offset ignored for Link 41
WARNING 03: negative offset ignored for Link 41
WARNING 03: negative offset ignored for Link 44
WARNING 03: negative offset ignored for Link 44
WARNING 03: negative offset ignored for Link 45
WARNING 03: negative offset ignored for Link 46
WARNING 03: negative offset ignored for Link 47
WARNING 03: negative offset ignored for Link 5
WARNING 03: negative offset ignored for Link 5
WARNING 03: negative offset ignored for Link 51
WARNING 03: negative offset ignored for Link 6
WARNING 03: negative offset ignored for Link 6
WARNING 03: negative offset ignored for Link 7
WARNING 03: negative offset ignored for Link 7
WARNING 03: negative offset ignored for Link 8
WARNING 03: negative offset ignored for Link 8
WARNING 03: negative offset ignored for Link 9
WARNING 03: negative offset ignored for Link 9
WARNING 03: negative offset ignored for Link PWOPRSES0001978
WARNING 02: maximum depth increased for Node 11
WARNING 02: maximum depth increased for Node 13
WARNING 02: maximum depth increased for Node 22
WARNING 02: maximum depth increased for Node 24
WARNING 02: maximum depth increased for Node 36
WARNING 02: maximum depth increased for Node 8
WARNING 02: maximum depth increased for Node 9
WARNING 02: maximum depth increased for Node PWOPRMHS0001401
WARNING 02: maximum depth increased for Node PWOPRMHS0001402
WARNING 02: maximum depth increased for Node PWOPRMHS0001602
WARNING 02: maximum depth increased for Node PWOPRMHS0001611
WARNING 02: maximum depth increased for Node PWOPRMHS0001662
WARNING 02: maximum depth increased for Node PWOPRMHS0001670
WARNING 02: maximum depth increased for Node PWOPRMHS0001688
WARNING 02: maximum depth increased for Node PWOPRMHS0004129
WARNING 02: maximum depth increased for Node PWOPRMHS0004130
WARNING 02: maximum depth increased for Node PWOPRMHS0004141
WARNING 02: maximum depth increased for Node PWOPRMHS0005230
WARNING 02: maximum depth increased for Node PWOPRMHS0005930
WARNING 02: maximum depth increased for Node PWOPRMHS0005931
WARNING 02: maximum depth increased for Node PWOPRMHS0005945
WARNING 02: maximum depth increased for Node SWMPOND
```

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

****************
Analysis Options
****************
Flow Units ............... CMS
Process Models:
  Rainfall/Runoff ........ YES
  RDII ................... NO
  Snowmelt ............... NO
  Groundwater ............ NO
  Flow Routing ........... YES
  Ponding Allowed ........ NO
  Water Quality .......... NO
Infiltration Method ...... GREEN_AMPT
Flow Routing Method ...... DYNWAVE
Surcharge Method ......... EXTRAN
Starting Date ............ 09/01/2021 00:00:00
Ending Date .............. 09/04/2021 00:00:00
Antecedent Dry Days ...... 0.0
Report Time Step ......... 00:05:00
Wet Time Step ............ 00:05:00
Dry Time Step ............ 00:15:00
Routing Time Step ........ 1.00 sec
Variable Time Step ....... YES
Maximum Trials ........... 8
Number of Threads ........ 4
Head Tolerance ........... 0.001500 m


**************************        Volume         Depth
Runoff Quantity Continuity     hectare-m            mm
**************************     ---------       -------
Total Precipitation ......       166.278        97.810
Outfall Runon ............      1414.966       832.327
Evaporation Loss .........         1.845         1.085
Infiltration Loss ........        96.373        56.689
Surface Runoff ...........      1483.255       872.496
Final Storage ............         0.000         0.000
Continuity Error (%) .....        -0.014


**************************        Volume        Volume
Flow Routing Continuity        hectare-m      10^6 ltr
**************************     ---------     ---------
Dry Weather Inflow .......         0.000         0.000
Wet Weather Inflow .......      1483.255     14832.702
Groundwater Inflow .......         0.000         0.000
RDII Inflow ..............         0.000         0.000
External Inflow ..........         0.000         0.000
External Outflow .........      1483.186     14832.018
Flooding Loss ............         0.000         0.000
```

```
Evaporation Loss .........         0.017         0.170
Exfiltration Loss ........         0.000         0.000
Initial Stored Volume ....         0.000         0.001
Final Stored Volume ......         0.011         0.109
Continuity Error (%) .....         0.003


*************************
Highest Continuity Errors
*************************
Node PWOPRMHS0001611 (1.71%)


***************************
Time-Step Critical Elements
***************************
Link 65 (1.48%)


********************************
Highest Flow Instability Indexes
********************************
Link 44 (12)
Link 65 (5)
Link 23 (2)
Link 36 (2)
Link 45 (2)

*************************
Routing Time Step Summary
*************************
Minimum Time Step           :     0.49 sec
Average Time Step           :     1.00 sec
Maximum Time Step           :     1.00 sec
Percent in Steady State     :    -0.00
Average Iterations per Step :     2.02
Percent Not Converging      :     0.03


***************************
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
A1	97.81	58.51	0.78	73.65	7.72	74.26	81.98	6.87	1.53	0.524
A1.1	97.81	0.00	1.16	32.32	29.73	34.69	64.42	27.58	4.78	0.659
A1.1_FRST	97.81	0.00	0.76	54.42	4.79	37.93	42.72	1.55	0.36	0.437
A2	97.81	74.06	0.82	79.19	8.50	83.44	91.93	10.56	1.76	0.535
A2.1	97.81	0.00	0.83	50.42	19.18	27.48	46.65	6.02	1.29	0.477
A2.1_FRST	97.81	0.00	0.56	67.00	4.79	25.54	30.34	0.99	0.29	0.310
A2.2	97.81	0.00	1.10	36.69	32.61	27.53	60.13	5.08	0.93	0.615
A2.2_FRST	97.81	0.00	0.56	66.58	4.79	25.97	30.76	0.68	0.20	0.314

A3	97.81	246.49	1.10	115.76	17.12	210.38	227.50	129.16	9.40	0.661
A3.1	97.81	0.00	1.03	36.45	21.10	39.31	60.41	3.89	0.71	0.618
A3.1_FRST	97.81	0.00	0.59	68.73	4.79	23.76	28.55	3.77	0.99	0.292
A3.2	97.81	0.00	1.14	35.75	34.53	26.51	61.04	19.73	3.53	0.624
A3.2_FRST	97.81	0.00	0.60	66.83	4.79	25.64	30.43	2.25	0.55	0.311
A3.3	97.81	0.00	1.07	36.46	22.06	38.29	60.35	42.38	7.58	0.617
A3.3_FRST	97.81	0.00	0.58	72.80	4.79	19.68	24.48	4.19	0.94	0.250
A4	97.81	2256.77	1.99	184.22	117.60	2050.92	2168.52	2179.75	88.43	0.921
A4.1	97.81	0.00	0.98	36.50	19.17	41.26	60.43	0.62	0.12	0.618
A4.1_FRST	97.81	0.00	0.65	60.72	4.79	31.72	36.51	2.02	0.50	0.373
A4.2	97.81	0.00	1.12	33.22	27.81	35.73	63.55	6.23	1.10	0.650
A4.2_FRST	97.81	0.00	0.71	63.49	4.79	28.87	33.67	5.44	1.18	0.344
A4.3	97.81	0.00	1.48	21.43	58.50	16.54	75.04	35.24	5.47	0.767
A4.3_FRST	97.81	0.00	0.51	73.46	4.79	19.10	23.90	1.94	0.52	0.244
A4.4_FRST	97.81	0.00	0.49	78.83	4.79	13.73	18.52	3.45	0.79	0.189
A4.5	97.81	0.00	1.13	33.18	27.81	35.77	63.58	69.18	12.11	0.650
A4.5_FRST	97.81	0.00	0.80	56.43	4.79	35.85	40.64	6.11	1.28	0.416
A4.6	97.81	0.00	1.29	31.43	49.87	15.35	65.22	97.15	16.39	0.667
A4.6_FRST	97.81	0.00	0.54	75.83	4.79	16.68	21.48	13.05	2.94	0.220
B1	97.81	91.09	1.04	50.78	9.35	127.87	137.22	4.23	1.01	0.726
B1.1	97.81	0.00	0.99	36.90	19.17	40.84	60.01	0.60	0.11	0.614
B1.1_FRST	97.81	0.00	0.92	47.04	4.79	45.12	49.91	1.85	0.38	0.510
B2	97.81	1254.13	1.13	55.69	67.50	1228.81	1296.31	37.75	7.92	0.959
B2.1	97.81	0.00	0.89	41.37	10.54	45.09	55.63	3.61	0.71	0.569
B2.1_FRST	97.81	0.00	0.93	47.25	4.79	44.90	49.69	4.01	0.81	0.508
C1	97.81	5226.49	0.87	86.70	266.12	4974.90	5241.03	165.36	32.02	0.984
C1.1	97.81	0.00	1.50	21.45	58.48	16.50	74.98	92.46	14.33	0.767
C1.1_FRST	97.81	0.00	0.63	61.99	4.79	30.49	35.29	0.98	0.26	0.361
D1	97.81	739.87	0.99	89.79	41.79	705.46	747.25	98.30	13.09	0.892
D1.1	97.81	0.00	1.38	29.11	58.48	8.96	67.44	80.81	12.96	0.690
D1.1_FRST	97.81	0.00	0.69	68.74	4.79	23.63	28.43	8.62	1.57	0.291
D2	97.81	26.35	0.81	81.90	6.11	35.37	41.48	7.29	0.82	0.334
D2.1	97.81	0.00	1.29	33.60	51.76	11.26	63.02	32.92	5.46	0.644
D2.1_FRST	97.81	0.00	0.61	72.92	4.79	19.52	24.32	4.63	0.91	0.249
D3	97.81	11408.12	1.43	141.22	575.20	10789.29	11364.49	637.77	35.60	0.988
D3.1	97.81	0.00	1.37	28.75	57.54	10.28	67.82	24.49	3.96	0.693
D4	97.81	8676.23	1.35	116.88	438.61	8218.34	8656.95	304.72	17.80	0.987
D4.1	97.81	0.00	1.29	32.84	50.81	12.97	63.78	14.93	2.50	0.652
D4.1_FRST	97.81	0.00	0.59	71.12	4.79	21.35	26.15	3.57	0.81	0.267
E1	97.81	232992.67	2.27	247.33	11654.44	221195.55	232849.99	6818.05	199.35	0.999
E1.1	97.81	0.00	0.85	50.97	22.06	24.03	46.09	8.30	1.75	0.471
E1.1_FRST	97.81	0.00	0.67	68.98	4.79	23.41	28.20	9.27	1.78	0.288
E2	97.81	475014.65	2.27	164.62	23755.47	451197.23	474952.70	3732.15	109.94	1.000
E2.1	97.81	0.00	0.99	37.83	18.22	40.85	59.07	5.48	1.02	0.604
E2.1_FRST	97.81	0.00	0.73	54.19	4.79	38.22	43.01	0.37	0.09	0.440
E3	97.81	34.30	0.61	83.32	6.51	41.72	48.23	6.76	1.20	0.365
E3.1	97.81	0.00	0.79	52.11	21.09	23.92	45.01	10.27	2.29	0.460
E3.1_FRST	97.81	0.00	0.65	60.42	4.79	32.02	36.81	4.81	1.18	0.376
HC01-01	97.81	0.00	0.90	46.78	27.52	22.73	50.25	3.13	0.64	0.514
HC01-02	97.81	0.00	0.86	48.82	23.78	24.48	48.26	1.10	0.23	0.493
HC01-03	97.81	0.00	0.86	48.95	23.78	24.35	48.12	0.58	0.12	0.492
HC01-04	97.81	0.00	0.76	53.54	18.60	25.02	43.62	1.09	0.25	0.446
HC01-05	97.81	0.00	0.85	48.76	23.78	24.56	48.33	1.21	0.26	0.494
HC01-06	97.81	0.00	0.86	48.95	23.78	24.35	48.12	0.64	0.14	0.492
HC01-07	97.81	0.00	0.87	49.62	23.78	23.63	47.41	0.33	0.07	0.485
HC01-08	97.81	0.00	0.86	48.87	23.78	24.43	48.21	0.25	0.05	0.493
HC01-09	97.81	0.00	0.86	49.24	23.78	24.03	47.81	0.32	0.07	0.489

HC01-10	97.81	0.00	0.86	48.96	23.78	24.34	48.11	0.55	0.12	0.492
HC01-11	97.81	0.00	0.86	49.22	23.78	24.05	47.83	0.66	0.14	0.489
HC01-12	97.81	0.00	0.90	44.43	23.78	28.83	52.61	1.63	0.33	0.538
HC02-01	97.81	0.00	1.06	40.51	35.77	20.60	56.37	0.21	0.04	0.576
HC02-02	97.81	0.00	1.30	30.60	48.33	17.70	66.03	1.43	0.24	0.675
HC02-03	97.81	0.00	1.16	35.64	41.43	19.69	61.13	0.12	0.02	0.625
HC02-04	97.81	0.00	0.92	44.90	27.99	24.15	52.14	0.21	0.04	0.533
HC02-05	97.81	0.00	0.70	54.86	14.19	28.19	42.38	1.25	0.30	0.433
HC02-06	97.81	0.00	0.72	54.83	14.57	27.80	42.38	0.76	0.18	0.433
HC02-07	97.81	0.00	0.69	57.49	12.27	27.45	39.72	0.31	0.07	0.406
HC02-08	97.81	0.00	0.65	58.24	11.12	27.91	39.03	0.49	0.12	0.399
HC02-09	97.81	0.00	0.70	57.15	13.04	27.00	40.04	0.35	0.08	0.409
HC02-10	97.81	0.00	0.67	58.05	11.89	27.30	39.19	0.37	0.09	0.401
HC02-11	97.81	0.00	0.69	56.61	13.04	27.58	40.62	0.61	0.15	0.415
HC02-12	97.81	0.00	0.68	58.97	11.89	26.34	38.23	0.82	0.19	0.391
HC02-13	97.81	0.00	0.66	58.82	11.12	27.31	38.43	0.32	0.08	0.393
HC02-14	97.81	0.00	0.65	58.20	11.50	27.56	39.06	0.36	0.09	0.399
HC02-15	97.81	0.00	0.68	56.46	12.65	28.14	40.80	0.65	0.16	0.417
HC02-16	97.81	0.00	0.55	63.04	13.42	20.91	34.33	0.18	0.05	0.351
HC02-17	97.81	0.00	0.74	51.76	12.65	32.76	45.41	1.07	0.24	0.464
HC02-18	97.81	0.00	0.55	62.86	13.42	21.10	34.52	1.32	0.35	0.353
HC02-19	97.81	0.00	0.61	66.00	13.81	17.45	31.26	0.48	0.11	0.320
HC02-20	97.81	0.00	1.01	41.05	33.75	22.16	55.90	0.25	0.05	0.572
HC02-21	97.81	0.00	0.71	56.25	13.81	27.14	40.95	1.44	0.34	0.419
HC02-22	97.81	0.00	0.71	56.25	13.81	27.14	40.95	1.22	0.29	0.419
HC02-23	97.81	0.00	1.15	35.70	41.04	20.04	61.09	0.24	0.04	0.625
HC02-24	97.81	0.00	1.39	24.39	55.98	16.21	72.20	0.05	0.01	0.738
HC02-25	97.81	0.00	1.19	33.24	44.01	19.51	63.52	0.72	0.13	0.649
HC02-26	97.81	0.00	1.33	27.12	52.54	16.97	69.51	0.24	0.04	0.711
HC02-27	97.81	0.00	0.62	59.49	17.26	20.58	37.83	0.28	0.07	0.387
HC02-28	97.81	0.00	0.62	59.73	17.25	20.31	37.57	0.21	0.05	0.384
HC02-29	97.81	0.00	1.01	43.36	38.36	15.19	53.55	0.28	0.05	0.547
HC02-30	97.81	0.00	0.35	76.80	1.15	19.57	20.72	0.31	0.10	0.212
HC02-31	97.81	0.00	0.59	61.84	14.57	20.91	35.49	0.86	0.22	0.363
HC02-32	97.81	0.00	0.56	62.36	13.80	21.20	35.00	0.75	0.20	0.358
HC02-33	97.81	0.00	0.60	62.92	14.57	19.79	34.36	0.29	0.07	0.351
HC02-34	97.81	0.00	0.76	53.01	24.92	19.23	44.16	0.13	0.03	0.451
HC02-35	97.81	0.00	0.34	74.72	1.53	21.31	22.85	0.23	0.08	0.234
HC02-36	97.81	0.00	0.39	69.18	5.37	23.09	28.45	0.13	0.04	0.291
HC02-37	97.81	0.00	0.39	69.92	4.98	22.65	27.64	0.28	0.09	0.283
HC02-38	97.81	0.00	0.70	57.21	13.04	26.95	39.99	1.24	0.29	0.409
HC02-39	97.81	0.00	0.70	61.05	11.12	25.00	36.13	0.32	0.07	0.369
HC03-01	97.81	0.00	1.01	40.96	30.69	25.26	55.95	1.25	0.24	0.572
HC03-02	97.81	0.00	0.71	54.51	14.57	28.17	42.74	0.34	0.08	0.437
HC03-03	97.81	0.00	0.75	51.72	18.02	27.54	45.57	0.06	0.01	0.466
HC03-04	97.81	0.00	0.76	52.30	18.02	26.86	44.88	0.46	0.10	0.459
HC03-05	97.81	0.00	1.05	39.62	35.28	22.02	57.30	0.19	0.04	0.586
HC03-06	97.81	0.00	0.69	55.92	13.23	28.11	41.34	2.13	0.52	0.423
HC03-07	97.81	0.00	0.72	54.80	14.57	27.84	42.41	0.77	0.18	0.434
HC03-08	97.81	0.00	0.56	62.20	14.86	20.32	35.18	1.53	0.40	0.360
HC03-09	97.81	0.00	0.71	57.31	22.34	17.55	39.89	0.77	0.18	0.408
HC03-10	97.81	0.00	0.51	65.16	11.50	20.75	32.25	0.55	0.15	0.330
HC03-11	97.81	0.00	0.59	61.76	15.82	19.75	35.57	0.89	0.23	0.364
HC03-12	97.81	0.00	0.58	64.91	13.42	18.97	32.39	0.38	0.10	0.331
HC03-13	97.81	0.00	0.65	59.08	18.02	20.17	38.20	0.15	0.04	0.391
HC03-14	97.81	0.00	1.36	27.14	56.01	13.45	69.46	0.09	0.01	0.710
HC03-15	97.81	0.00	0.55	63.58	13.04	20.75	33.78	0.21	0.06	0.345

HC03-16	97.81	0.00	0.69	57.56	20.33	19.33	39.66	0.12	0.03	0.405
HC03-17	97.81	0.00	1.04	39.58	35.28	22.08	57.36	0.07	0.01	0.586
HC03-18	97.81	0.00	1.48	21.14	61.37	13.97	75.34	0.08	0.01	0.770
HC03-19	97.81	0.00	0.58	60.07	8.05	29.29	37.34	2.94	0.77	0.382
HC03-20	97.81	0.00	0.52	65.54	2.30	29.54	31.84	0.48	0.14	0.326
HC04-01	97.81	0.00	0.82	49.97	17.26	29.85	47.11	1.69	0.36	0.482
HC04-02	97.81	0.00	0.54	64.11	13.32	19.93	33.26	0.22	0.06	0.340
HC04-03	97.81	0.00	0.56	63.66	14.29	19.40	33.69	0.40	0.11	0.344
HC04-04	97.81	0.00	0.82	50.30	17.26	29.51	46.77	2.47	0.52	0.478
HC04-05	97.81	0.00	0.61	60.56	16.87	19.87	36.75	0.23	0.06	0.376
HC04-06	97.81	0.00	0.62	61.58	16.87	18.82	35.70	0.38	0.09	0.365
HC04-07	97.81	0.00	0.99	44.14	36.83	15.96	52.79	0.05	0.01	0.540
HC04-08	97.81	0.00	0.58	63.07	14.86	19.39	34.25	0.12	0.03	0.350
HC04-09	97.81	0.00	0.62	61.28	16.87	19.13	36.00	0.19	0.05	0.368
HC04-10	97.81	0.00	0.63	61.68	16.88	18.70	35.58	0.22	0.05	0.364
HC04-11	97.81	0.00	0.58	62.18	16.01	19.15	35.16	0.32	0.08	0.359
HC04-12	97.81	0.00	0.55	64.76	12.65	19.94	32.59	0.72	0.19	0.333
HC04-13	97.81	0.00	0.60	62.24	14.57	20.49	35.06	0.11	0.03	0.358
HC04-14	97.81	0.00	0.72	57.68	13.42	26.06	39.49	1.10	0.25	0.404
HC04-15	97.81	0.00	0.70	56.48	13.42	27.31	40.73	1.59	0.38	0.416
HC04-16	97.81	0.00	0.72	54.98	14.57	27.65	42.23	0.19	0.05	0.432
HC04-17	97.81	0.00	0.75	53.74	16.87	26.57	43.44	0.98	0.23	0.444
HC04-18	97.81	0.00	0.82	52.08	20.23	24.78	45.01	0.12	0.03	0.460
HC04-19	97.81	0.00	0.65	58.07	11.50	27.69	39.19	0.51	0.13	0.401
HC04-20	97.81	0.00	0.65	57.74	11.50	28.05	39.55	0.22	0.06	0.404
HC04-21	97.81	0.00	0.74	53.69	16.49	27.03	43.52	0.07	0.02	0.445
HC04-22	97.81	0.00	0.77	52.61	18.41	26.14	44.55	0.10	0.02	0.455
HC04-23	97.81	0.00	0.72	53.56	16.87	26.83	43.70	0.24	0.06	0.447
HC04-24	97.81	0.00	0.69	55.36	13.80	28.11	41.91	0.05	0.01	0.429
HC04-25	97.81	0.00	0.75	51.35	13.04	32.80	45.83	0.36	0.08	0.469
HC04-26	97.81	0.00	0.59	68.34	12.28	16.66	28.94	0.21	0.05	0.296
HC04-27	97.81	0.00	0.64	58.82	10.35	28.11	38.47	0.14	0.03	0.393
HC04-28	97.81	0.00	0.59	62.18	14.57	20.56	35.14	0.26	0.07	0.359
HC04-29	97.81	0.00	0.75	51.52	13.04	32.61	45.65	1.65	0.37	0.467
HC04-30	97.81	0.00	0.75	51.17	13.42	32.58	46.00	0.89	0.20	0.470
HC04-31	97.81	0.00	0.80	52.33	26.85	17.93	44.78	0.21	0.05	0.458
HC04-32	97.81	0.00	0.60	62.51	14.57	20.21	34.79	0.12	0.03	0.356
HC04-33	97.81	0.00	0.55	63.77	13.04	20.54	33.58	0.38	0.10	0.343
HC04-34	97.81	0.00	0.41	70.77	5.37	21.36	26.73	0.41	0.13	0.273
HC04-35	97.81	0.00	0.55	64.11	13.04	20.19	33.23	0.16	0.04	0.340
HC04-36	97.81	0.00	1.02	38.93	31.16	26.85	58.01	1.70	0.32	0.593
HC05-01	97.81	0.00	0.70	52.47	11.50	33.27	44.78	2.68	0.62	0.458
HC05-02	97.81	0.00	0.72	52.44	11.89	32.89	44.77	1.45	0.33	0.458
HC05-03	97.81	0.00	1.63	14.54	72.86	8.92	81.77	0.09	0.01	0.836
HC05-04	97.81	0.00	0.50	66.15	10.74	20.53	31.26	0.15	0.04	0.320
HC05-05	97.81	0.00	0.61	62.98	14.38	19.91	34.29	0.32	0.08	0.351
HC05-06	97.81	0.00	0.60	61.06	16.11	20.15	36.26	0.15	0.04	0.371
HC05-07	97.81	0.00	0.54	64.31	12.65	20.40	33.05	0.24	0.06	0.338
HC05-08	97.81	0.00	0.55	64.13	13.04	20.17	33.21	0.73	0.19	0.340
HC05-09	97.81	0.00	0.57	66.57	12.66	18.07	30.73	0.08	0.02	0.314
HC05-10	97.81	0.00	0.61	59.65	16.87	20.82	37.69	0.13	0.03	0.385
HC05-11	97.81	0.00	0.39	70.12	4.98	22.45	27.43	0.87	0.27	0.280
HC06-01	97.81	0.00	0.72	54.91	14.57	27.72	42.29	0.14	0.03	0.432
HC06-02	97.81	0.00	0.73	56.12	14.19	26.85	41.04	0.27	0.06	0.420
HC06-03	97.81	0.00	0.52	70.89	0.00	26.45	26.45	0.39	0.10	0.270
HC06-04	97.81	0.00	0.50	68.50	0.38	28.50	28.89	0.32	0.09	0.295
HC06-05	97.81	0.00	0.65	58.42	10.35	28.49	38.84	0.14	0.03	0.397

HC06-06	97.81	0.00	0.67	56.82	12.27	28.17	40.44	0.63	0.16	0.413
HC06-07	97.81	0.00	0.70	52.28	10.74	34.26	44.99	0.18	0.04	0.460
HC06-08	97.81	0.00	0.70	55.50	13.80	27.95	41.75	1.73	0.42	0.427
HC06-09	97.81	0.00	0.67	56.26	12.46	28.58	41.04	1.07	0.26	0.420
HC06-10	97.81	0.00	0.67	56.66	12.27	28.34	40.61	0.97	0.24	0.415
HC06-11	97.81	0.00	0.81	48.14	16.87	32.14	49.01	0.11	0.02	0.501
HC06-12	97.81	0.00	0.90	43.89	23.77	29.39	53.17	0.11	0.02	0.544
HC06-13	97.81	0.00	1.22	32.91	49.09	14.74	63.83	0.18	0.03	0.653
HC06-14	97.81	0.00	0.80	51.72	22.05	23.34	45.40	0.82	0.18	0.464
HC06-15	97.81	0.00	1.73	10.38	76.72	9.10	85.82	0.10	0.01	0.877
HC06-16	97.81	0.00	1.53	18.57	64.26	13.62	77.87	0.22	0.03	0.796
HC06-17	97.81	0.00	0.78	53.35	21.10	22.68	43.78	0.67	0.15	0.448
HC06-18	97.81	0.00	1.30	29.97	53.13	13.54	66.67	1.77	0.29	0.682
HC06-19	97.81	0.00	1.71	10.34	76.69	9.14	85.83	0.03	0.00	0.878
HC06-20	97.81	0.00	1.73	10.38	76.72	9.11	85.83	0.18	0.03	0.877
HC06-21	97.81	0.00	1.60	20.47	64.18	11.67	75.85	0.96	0.15	0.775
HC06-22	97.81	0.00	1.72	10.35	76.70	9.14	85.84	0.05	0.01	0.878
HC06-23	97.81	0.00	1.61	17.61	67.10	11.62	78.72	1.18	0.18	0.805
HC06-24	97.81	0.00	1.72	10.36	76.71	9.13	85.83	0.10	0.01	0.878
HC06-25	97.81	0.00	0.80	48.09	16.87	32.20	49.08	1.64	0.35	0.502
HC06-26	97.81	0.00	0.76	55.21	24.55	17.38	41.93	1.11	0.24	0.429
HC06-27	97.81	0.00	1.64	14.59	72.88	8.84	81.72	0.13	0.02	0.835
HC06-28	97.81	0.00	1.78	10.47	76.69	8.99	85.68	0.17	0.02	0.876
HC06-29	97.81	0.00	0.66	56.50	7.67	33.06	40.73	0.51	0.12	0.416
HC06-30	97.81	0.00	1.26	29.74	46.03	20.92	66.95	0.22	0.04	0.685
HC06-31	97.81	0.00	0.32	73.65	1.53	22.43	23.97	0.43	0.15	0.245
HC06-32	97.81	0.00	0.41	72.14	4.98	20.35	25.33	0.34	0.10	0.259
HC07-01	97.81	0.00	0.64	62.92	16.49	17.82	34.32	1.04	0.24	0.351
HC07-02	97.81	0.00	0.64	60.58	18.03	18.65	36.67	0.42	0.10	0.375
HC07-03	97.81	0.00	0.58	61.79	14.57	20.99	35.56	0.13	0.03	0.364
HC07-04	97.81	0.00	0.52	65.72	11.12	20.53	31.65	0.11	0.03	0.324
HC07-05	97.81	0.00	0.62	65.96	14.58	16.71	31.29	0.09	0.02	0.320
HC07-06	97.81	0.00	0.59	65.44	13.42	18.43	31.85	0.66	0.16	0.326
HC07-07	97.81	0.00	0.56	64.23	13.42	19.68	33.11	0.13	0.03	0.338
HC07-08	97.81	0.00	1.37	31.92	55.18	9.43	64.62	0.12	0.02	0.661
HC07-09	97.81	0.00	0.59	61.36	16.87	19.13	36.01	0.09	0.02	0.368
HC08-01	97.81	0.00	0.81	49.51	16.49	31.10	47.59	0.33	0.07	0.487
HC08-02	97.81	0.00	0.85	48.49	18.03	30.53	48.56	1.13	0.24	0.496
HC08-03	97.81	0.00	0.60	63.18	14.57	19.53	34.10	0.68	0.17	0.349
HC08-04	97.81	0.00	0.74	54.38	11.12	31.65	42.77	0.30	0.07	0.437
HC08-05	97.81	0.00	0.79	49.58	14.57	32.98	47.56	0.31	0.07	0.486
HC08-06	97.81	0.00	0.76	51.51	13.42	32.22	45.64	0.54	0.12	0.467
HC08-07	97.81	0.00	0.76	51.39	13.42	32.34	45.77	0.25	0.06	0.468
HC08-08	97.81	0.00	1.42	22.87	55.24	18.41	73.65	0.30	0.05	0.753
HC08-09	97.81	0.00	0.84	48.20	16.88	31.99	48.87	0.87	0.18	0.500
HC08-10	97.81	0.00	0.55	59.26	1.53	36.61	38.14	0.50	0.13	0.390
HC09-01	97.81	0.00	0.67	61.58	19.18	16.45	35.63	0.34	0.08	0.364
HC09-02	97.81	0.00	0.55	64.85	13.42	19.08	32.50	0.33	0.09	0.332
HC09-03	97.81	0.00	0.58	63.85	14.57	18.89	33.47	0.32	0.08	0.342
HC09-04	97.81	0.00	0.50	66.48	10.74	20.18	30.92	0.79	0.22	0.316
HC09-05	97.81	0.00	0.52	65.32	11.89	20.18	32.07	0.83	0.23	0.328
HC09-06	97.81	0.00	0.51	65.54	11.50	20.35	31.86	0.39	0.11	0.326
HC09-07	97.81	0.00	0.46	68.19	7.67	21.58	29.25	0.14	0.04	0.299
HC10-01	97.81	0.00	0.52	65.84	11.79	19.75	31.54	1.41	0.39	0.322
HC10-02	97.81	0.00	0.82	52.49	27.14	17.45	44.59	1.13	0.24	0.456
HC10-03	97.81	0.00	0.80	54.91	25.80	16.38	42.18	0.78	0.16	0.431
HC10-04	97.81	0.00	0.57	62.64	14.86	19.85	34.71	0.64	0.17	0.355

HC10-05	97.81	0.00	0.57	65.63	13.62	18.07	31.68	0.76	0.19	0.324
HC10-06	97.81	0.00	0.54	66.02	11.89	19.44	31.33	0.42	0.11	0.320
HC10-07	97.81	0.00	0.59	62.16	15.82	19.34	35.16	0.60	0.15	0.359
HC10-08	97.81	0.00	0.55	62.63	14.28	20.49	34.78	0.41	0.11	0.356
HC10-09	97.81	0.00	0.52	65.96	11.70	19.71	31.41	0.44	0.12	0.321
HC10-10	97.81	0.00	0.55	63.08	14.28	20.00	34.28	0.10	0.03	0.351
HC10-11	97.81	0.00	0.64	58.72	18.69	19.91	38.60	0.10	0.03	0.395
HC10-12	97.81	0.00	0.34	73.53	2.30	21.74	24.04	0.22	0.07	0.246
HC10-13	97.81	0.00	0.60	63.39	15.34	18.56	33.90	0.20	0.05	0.347
HC10-14	97.81	0.00	0.59	62.10	15.63	19.61	35.23	0.16	0.04	0.360
HC10-15	97.81	0.00	0.58	61.56	15.82	19.97	35.79	0.14	0.04	0.366

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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
1	JUNCTION	0.02	0.63	333.27	0 05:15	0.63
11	JUNCTION	0.19	0.97	317.58	0 05:18	0.96
12	JUNCTION	0.20	1.03	316.53	0 05:18	1.03
13	JUNCTION	0.26	1.40	315.90	0 05:19	1.40
14	JUNCTION	0.03	0.62	331.72	0 05:15	0.62
15	JUNCTION	0.35	1.64	315.59	0 09:36	1.63
17	JUNCTION	0.20	0.90	312.90	0 12:45	0.90
18	JUNCTION	0.04	1.11	323.61	0 05:14	1.11
19	JUNCTION	0.02	0.51	324.01	0 05:18	0.51
2	JUNCTION	0.07	1.61	325.61	0 05:15	1.61
20	JUNCTION	0.04	0.68	330.78	0 05:16	0.68
21	JUNCTION	0.11	0.85	321.95	0 05:14	0.85
22	JUNCTION	0.05	1.02	322.52	0 05:16	1.01
24	JUNCTION	0.12	2.09	322.59	0 05:17	2.08
25	JUNCTION	0.06	1.47	322.57	0 05:15	1.47
26	JUNCTION	0.00	0.00	327.93	0 00:00	0.00
27	JUNCTION	0.04	0.97	327.47	0 05:15	0.97
28	JUNCTION	0.09	0.91	327.01	0 05:15	0.90
29	JUNCTION	0.05	0.61	324.50	0 05:37	0.61
3	JUNCTION	0.05	0.98	331.55	0 05:15	0.98
30	JUNCTION	0.09	0.67	321.17	0 05:20	0.67
31	JUNCTION	0.08	0.60	320.74	0 05:20	0.60
32	JUNCTION	0.09	0.68	319.68	0 05:19	0.68
34	JUNCTION	0.09	0.68	318.55	0 05:21	0.68
35	JUNCTION	0.10	0.70	318.20	0 05:22	0.70
36	JUNCTION	0.09	0.70	316.20	0 05:17	0.69
37	JUNCTION	0.02	0.64	324.74	0 05:15	0.64
39	JUNCTION	0.15	1.21	322.51	0 07:49	1.21
4	JUNCTION	0.00	0.07	325.07	0 05:15	0.07
40	JUNCTION	0.06	1.03	320.13	0 05:15	1.03
42	JUNCTION	0.04	0.75	322.85	0 05:18	0.75
48	JUNCTION	0.07	0.95	325.55	0 05:15	0.95
49	JUNCTION	0.12	1.02	322.62	0 07:40	1.02
5	JUNCTION	0.04	0.66	330.16	0 06:07	0.66
50	JUNCTION	0.11	0.82	318.92	0 06:15	0.82

53	JUNCTION	0.32	1.52	315.62	0	10:12	1.52
54	JUNCTION	0.28	1.28	315.21	0	12:04	1.28
56	JUNCTION	0.43	1.77	302.87	0	12:47	1.77
6	JUNCTION	0.05	0.80	329.80	0	05:15	0.80
7	JUNCTION	0.23	1.25	319.35	0	07:15	1.25
8	JUNCTION	0.16	2.37	323.33	0	05:15	2.37
9	JUNCTION	0.13	2.07	322.48	0	05:16	2.07
MHEasement1	JUNCTION	0.01	0.26	319.33	0	05:15	0.26
MHEasement2	JUNCTION	0.02	0.41	319.11	0	05:15	0.41
MHSchool	JUNCTION	0.02	0.47	329.02	0	05:15	0.47
MHSWM4	JUNCTION	0.02	0.65	319.90	0	05:15	0.64
PWOPRMHS0001369	JUNCTION	0.02	0.40	319.79	0	05:15	0.40
PWOPRMHS0001370	JUNCTION	0.01	0.22	319.49	0	05:15	0.22
PWOPRMHS0001371	JUNCTION	0.00	0.11	319.93	0	05:15	0.11
PWOPRMHS0001372	JUNCTION	0.00	0.00	320.15	0	00:00	0.00
PWOPRMHS0001373	JUNCTION	0.00	0.13	320.15	0	05:15	0.13
PWOPRMHS0001374	JUNCTION	0.01	0.20	319.89	0	05:15	0.20
PWOPRMHS0001375	JUNCTION	0.01	0.21	319.78	0	05:15	0.21
PWOPRMHS0001386	JUNCTION	0.03	0.49	319.10	0	05:15	0.49
PWOPRMHS0001387	JUNCTION	0.02	0.53	319.28	0	05:15	0.53
PWOPRMHS0001388	JUNCTION	0.02	0.46	319.39	0	05:15	0.46
PWOPRMHS0001389	JUNCTION	0.01	0.39	319.52	0	05:15	0.39
PWOPRMHS0001390	JUNCTION	0.01	0.15	317.64	0	05:15	0.15
PWOPRMHS0001391	JUNCTION	0.01	0.19	317.46	0	05:15	0.19
PWOPRMHS0001392	JUNCTION	0.00	0.10	318.28	0	05:15	0.10
PWOPRMHS0001393	JUNCTION	0.02	0.36	320.55	0	05:15	0.36
PWOPRMHS0001394	JUNCTION	0.01	0.20	317.06	0	05:16	0.20
PWOPRMHS0001395	JUNCTION	0.01	0.22	317.01	0	05:15	0.22
PWOPRMHS0001398	JUNCTION	0.01	0.22	317.49	0	05:15	0.22
PWOPRMHS0001399	JUNCTION	0.01	0.21	317.36	0	05:15	0.21
PWOPRMHS0001400	JUNCTION	0.01	0.22	317.21	0	05:15	0.21
PWOPRMHS0001401	JUNCTION	0.01	0.17	316.84	0	05:15	0.17
PWOPRMHS0001402	JUNCTION	0.01	0.26	316.76	0	05:15	0.26
PWOPRMHS0001403	JUNCTION	0.01	0.36	322.06	0	05:15	0.36
PWOPRMHS0001404	JUNCTION	0.01	0.30	320.84	0	05:15	0.30
PWOPRMHS0001408	JUNCTION	0.01	0.28	321.11	0	05:15	0.28
PWOPRMHS0001409	JUNCTION	0.00	0.12	327.93	0	05:15	0.12
PWOPRMHS0001410	JUNCTION	0.02	0.63	327.10	0	05:15	0.63
PWOPRMHS0001411	JUNCTION	0.01	0.20	327.67	0	05:15	0.20
PWOPRMHS0001412	JUNCTION	0.01	0.13	331.82	0	05:15	0.13
PWOPRMHS0001413	JUNCTION	0.01	0.26	332.00	0	05:15	0.26
PWOPRMHS0001415	JUNCTION	0.02	0.39	320.07	0	05:15	0.39
PWOPRMHS0001416	JUNCTION	0.03	0.78	319.77	0	05:15	0.78
PWOPRMHS0001418	JUNCTION	0.03	0.90	319.63	0	05:15	0.90
PWOPRMHS0001419	JUNCTION	0.01	0.17	320.16	0	05:15	0.17
PWOPRMHS0001420	JUNCTION	0.01	0.14	320.64	0	05:15	0.14
PWOPRMHS0001421	JUNCTION	0.00	0.14	321.08	0	05:15	0.14
PWOPRMHS0001422	JUNCTION	0.01	0.22	320.50	0	05:15	0.22
PWOPRMHS0001423	JUNCTION	0.01	0.19	320.62	0	05:15	0.19
PWOPRMHS0001424	JUNCTION	0.01	0.16	321.12	0	05:15	0.16
PWOPRMHS0001428	JUNCTION	0.00	0.00	323.21	0	00:00	0.00
PWOPRMHS0001429	JUNCTION	0.00	0.13	321.48	0	05:15	0.13
PWOPRMHS0001430	JUNCTION	0.00	0.00	321.23	0	00:00	0.00
PWOPRMHS0001431	JUNCTION	0.00	0.00	323.01	0	00:00	0.00
PWOPRMHS0001433	JUNCTION	0.00	0.15	319.93	0	04:43	0.15
PWOPRMHS0001435	JUNCTION	0.00	0.08	319.72	0	05:15	0.08
PWOPRMHS0001436	JUNCTION	0.04	1.11	319.46	0	05:15	1.11

PWOPRMHS0001437	JUNCTION	0.01	0.38	319.76	0	05:15	0.38
PWOPRMHS0001438	JUNCTION	0.03	0.96	319.16	0	05:15	0.96
PWOPRMHS0001467	JUNCTION	0.01	0.21	321.13	0	05:15	0.21
PWOPRMHS0001597	JUNCTION	0.00	0.00	324.78	0	00:00	0.00
PWOPRMHS0001598	JUNCTION	0.01	0.27	325.76	0	05:15	0.27
PWOPRMHS0001600	JUNCTION	0.01	0.26	324.92	0	05:15	0.26
PWOPRMHS0001601	JUNCTION	0.01	0.18	326.33	0	05:15	0.18
PWOPRMHS0001602	JUNCTION	0.01	0.19	326.17	0	04:45	0.19
PWOPRMHS0001603	JUNCTION	0.01	0.34	324.57	0	05:15	0.34
PWOPRMHS0001604	JUNCTION	0.02	0.50	324.45	0	05:15	0.50
PWOPRMHS0001605	JUNCTION	0.01	0.23	324.57	0	05:15	0.23
PWOPRMHS0001606	JUNCTION	0.03	0.89	324.46	0	05:15	0.89
PWOPRMHS0001608	JUNCTION	0.03	0.82	326.49	0	05:15	0.82
PWOPRMHS0001610	JUNCTION	0.01	0.30	325.74	0	05:15	0.30
PWOPRMHS0001611	JUNCTION	0.01	1.34	324.21	0	05:14	1.21
PWOPRMHS0001614	JUNCTION	0.02	0.76	323.67	0	05:18	0.70
PWOPRMHS0001622	JUNCTION	0.00	0.08	332.81	0	05:15	0.08
PWOPRMHS0001624	JUNCTION	0.01	0.20	331.12	0	05:15	0.20
PWOPRMHS0001625	JUNCTION	0.01	0.21	330.82	0	05:15	0.21
PWOPRMHS0001626	JUNCTION	0.25	0.40	331.40	0	05:15	0.40
PWOPRMHS0001634	JUNCTION	0.02	0.58	326.79	0	05:15	0.58
PWOPRMHS0001642	JUNCTION	0.01	0.53	323.80	0	05:18	0.31
PWOPRMHS0001643	JUNCTION	0.01	0.26	323.64	0	05:18	0.24
PWOPRMHS0001649	JUNCTION	0.01	0.21	329.42	0	05:15	0.21
PWOPRMHS0001650	JUNCTION	0.01	0.19	329.76	0	05:15	0.19
PWOPRMHS0001651	JUNCTION	0.01	0.18	330.46	0	05:15	0.18
PWOPRMHS0001652	JUNCTION	0.01	0.22	327.11	0	05:15	0.22
PWOPRMHS0001653	JUNCTION	0.01	0.28	325.52	0	05:15	0.28
PWOPRMHS0001654	JUNCTION	0.01	0.27	325.18	0	05:15	0.27
PWOPRMHS0001655	JUNCTION	0.00	0.09	330.09	0	05:15	0.09
PWOPRMHS0001657	JUNCTION	0.01	0.35	324.93	0	05:15	0.35
PWOPRMHS0001658	JUNCTION	0.01	0.23	325.15	0	05:15	0.23
PWOPRMHS0001659	JUNCTION	0.01	0.26	325.57	0	05:15	0.26
PWOPRMHS0001660	JUNCTION	0.02	0.60	324.70	0	05:15	0.60
PWOPRMHS0001661B	JUNCTION	0.02	0.61	324.92	0	05:15	0.61
PWOPRMHS0001662	JUNCTION	0.02	0.55	324.50	0	05:15	0.55
PWOPRMHS0001663	JUNCTION	0.03	0.83	324.89	0	05:15	0.83
PWOPRMHS0001664	JUNCTION	0.01	0.22	326.57	0	05:15	0.22
PWOPRMHS0001667	JUNCTION	0.04	1.07	324.22	0	05:16	1.07
PWOPRMHS0001670	JUNCTION	0.02	0.51	323.43	0	05:15	0.51
PWOPRMHS0001674	JUNCTION	0.03	0.68	326.56	0	05:15	0.68
PWOPRMHS0001676	JUNCTION	0.02	0.49	326.82	0	05:15	0.49
PWOPRMHS0001677	JUNCTION	0.01	0.39	326.98	0	05:15	0.39
PWOPRMHS0001678	JUNCTION	0.01	0.15	327.16	0	05:15	0.15
PWOPRMHS0001679	JUNCTION	0.01	0.28	336.17	0	05:15	0.28
PWOPRMHS0001680	JUNCTION	0.01	0.36	335.42	0	05:15	0.36
PWOPRMHS0001682	JUNCTION	0.01	0.36	328.46	0	05:15	0.36
PWOPRMHS0001686	JUNCTION	0.01	0.42	328.97	0	05:15	0.42
PWOPRMHS0001687	JUNCTION	0.03	0.77	327.17	0	05:15	0.77
PWOPRMHS0001688	JUNCTION	0.03	0.92	327.02	0	05:15	0.92
PWOPRMHS0001689	JUNCTION	0.03	0.85	327.46	0	05:15	0.85
PWOPRMHS0001690	JUNCTION	0.03	0.83	327.57	0	05:15	0.83
PWOPRMHS0001691	JUNCTION	0.02	0.70	327.69	0	05:15	0.70
PWOPRMHS0001692	JUNCTION	0.02	0.62	328.19	0	05:15	0.61
PWOPRMHS0001695	JUNCTION	0.01	0.28	322.53	0	05:15	0.27
PWOPRMHS0001697	JUNCTION	0.01	0.22	324.13	0	05:15	0.22
PWOPRMHS0001705	JUNCTION	0.00	0.11	328.64	0	05:15	0.11

PWOPRMHS0001706	JUNCTION	0.01	0.26	327.40	0	05:15	0.26
PWOPRMHS0001713	JUNCTION	0.02	0.46	325.97	0	05:15	0.46
PWOPRMHS0001729	JUNCTION	0.01	0.34	329.42	0	05:15	0.34
PWOPRMHS0001732	JUNCTION	0.01	0.34	329.32	0	05:15	0.34
PWOPRMHS0001733	JUNCTION	0.01	0.13	324.18	0	05:15	0.13
PWOPRMHS0001736	JUNCTION	0.01	0.33	323.73	0	05:15	0.32
PWOPRMHS0001739	JUNCTION	0.01	0.33	329.22	0	05:15	0.33
PWOPRMHS0001740	JUNCTION	0.01	0.35	329.07	0	05:15	0.35
PWOPRMHS0001741	JUNCTION	0.00	0.10	329.58	0	05:15	0.10
PWOPRMHS0001743	JUNCTION	0.02	0.65	327.94	0	05:15	0.65
PWOPRMHS0001744	JUNCTION	0.03	0.69	328.42	0	05:15	0.69
PWOPRMHS0001745	JUNCTION	0.02	0.67	328.73	0	05:15	0.67
PWOPRMHS0001746	JUNCTION	0.02	0.67	328.60	0	05:15	0.67
PWOPRMHS0001761	JUNCTION	0.00	0.00	329.15	0	00:00	0.00
PWOPRMHS0001764	JUNCTION	0.02	0.40	327.86	0	05:15	0.40
PWOPRMHS0001765	JUNCTION	0.01	0.25	328.29	0	05:15	0.25
PWOPRMHS0001766	JUNCTION	0.00	0.00	328.32	0	00:00	0.00
PWOPRMHS0001767	JUNCTION	0.01	0.39	327.64	0	05:15	0.39
PWOPRMHS0001768	JUNCTION	0.01	0.18	328.03	0	05:15	0.18
PWOPRMHS0001788	JUNCTION	0.02	0.51	323.45	0	05:15	0.51
PWOPRMHS0001791	JUNCTION	0.03	0.72	326.31	0	05:15	0.72
PWOPRMHS0001792	JUNCTION	0.02	0.60	325.84	0	05:15	0.60
PWOPRMHS0001796	JUNCTION	0.00	0.00	326.65	0	00:00	0.00
PWOPRMHS0001797	JUNCTION	0.01	0.17	326.57	0	05:15	0.17
PWOPRMHS0001798	JUNCTION	0.01	0.17	326.23	0	05:15	0.17
PWOPRMHS0001804	JUNCTION	0.00	0.06	332.04	0	05:15	0.06
PWOPRMHS0001836	JUNCTION	0.02	0.53	325.09	0	05:15	0.53
PWOPRMHS0001855	JUNCTION	0.01	0.24	326.45	0	05:15	0.24
PWOPRMHS0001856	JUNCTION	0.01	0.40	328.13	0	05:15	0.40
PWOPRMHS0001857	JUNCTION	0.01	0.24	322.67	0	05:15	0.24
PWOPRMHS0001858	JUNCTION	0.01	0.30	330.23	0	05:15	0.30
PWOPRMHS0001867	JUNCTION	0.00	0.10	332.04	0	05:15	0.10
PWOPRMHS0001874	JUNCTION	0.00	0.10	329.97	0	05:15	0.10
PWOPRMHS0001878	JUNCTION	0.01	0.36	323.64	0	05:16	0.29
PWOPRMHS0001879	JUNCTION	0.01	0.86	323.90	0	05:16	0.78
PWOPRMHS0001881	JUNCTION	0.01	0.19	323.76	0	05:14	0.19
PWOPRMHS0001889	JUNCTION	0.02	0.52	325.15	0	05:15	0.52
PWOPRMHS0001890	JUNCTION	0.02	0.50	325.02	0	05:15	0.50
PWOPRMHS0001891	JUNCTION	0.00	0.11	325.21	0	05:15	0.11
PWOPRMHS0001894	JUNCTION	0.02	0.54	324.77	0	05:15	0.54
PWOPRMHS0001903	JUNCTION	0.01	0.16	332.88	0	05:15	0.16
PWOPRMHS0001904	JUNCTION	0.01	0.27	330.71	0	05:15	0.27
PWOPRMHS0001906	JUNCTION	0.01	0.31	319.11	0	05:15	0.31
PWOPRMHS0001907	JUNCTION	0.01	0.32	319.15	0	05:15	0.32
PWOPRMHS0001908	JUNCTION	0.01	0.16	319.71	0	05:15	0.16
PWOPRMHS0001911	JUNCTION	0.01	0.31	318.80	0	05:15	0.31
PWOPRMHS0001912	JUNCTION	0.03	0.74	318.25	0	05:15	0.74
PWOPRMHS0001914	JUNCTION	0.01	0.15	331.98	0	05:15	0.15
PWOPRMHS0001915	JUNCTION	0.01	0.26	329.45	0	05:15	0.26
PWOPRMHS0001916	JUNCTION	0.01	0.30	327.89	0	05:15	0.30
PWOPRMHS0001917	JUNCTION	0.01	0.25	319.49	0	05:15	0.25
PWOPRMHS0001918	JUNCTION	0.04	1.00	318.81	0	05:16	0.99
PWOPRMHS0001919	JUNCTION	0.01	0.21	328.01	0	05:15	0.21
PWOPRMHS0001925	JUNCTION	0.01	0.33	323.66	0	05:15	0.33
PWOPRMHS0001926	JUNCTION	0.01	0.36	323.05	0	05:15	0.36
PWOPRMHS0001927	JUNCTION	0.01	0.16	323.67	0	05:15	0.16
PWOPRMHS0001928	JUNCTION	0.03	0.65	322.85	0	05:13	0.65

PWOPRMHS0001929	JUNCTION	0.01	0.25	324.10	0	05:15	0.25
PWOPRMHS0001930	JUNCTION	0.01	0.35	323.42	0	05:15	0.35
PWOPRMHS0001931	JUNCTION	0.01	0.20	325.19	0	05:15	0.20
PWOPRMHS0001932	JUNCTION	0.01	0.29	325.60	0	05:15	0.29
PWOPRMHS0001933	JUNCTION	0.01	0.28	325.94	0	05:15	0.28
PWOPRMHS0001935	JUNCTION	0.01	0.25	326.28	0	05:15	0.25
PWOPRMHS0001937	JUNCTION	0.01	0.23	324.51	0	05:15	0.23
PWOPRMHS0001939	JUNCTION	0.00	0.11	327.62	0	05:15	0.11
PWOPRMHS0001941	JUNCTION	0.00	0.00	326.79	0	00:00	0.00
PWOPRMHS0001943	JUNCTION	0.01	0.24	326.66	0	05:15	0.24
PWOPRMHS0001944	JUNCTION	0.02	0.39	323.03	0	05:15	0.39
PWOPRMHS0001945	JUNCTION	0.00	0.00	323.32	0	00:00	0.00
PWOPRMHS0001947	JUNCTION	0.00	0.10	324.12	0	05:15	0.10
PWOPRMHS0002041	JUNCTION	0.01	0.24	329.31	0	05:15	0.24
PWOPRMHS0002042	JUNCTION	0.01	0.27	329.83	0	05:15	0.27
PWOPRMHS0002046	JUNCTION	0.00	0.07	330.79	0	05:15	0.07
PWOPRMHS0002050	JUNCTION	0.01	0.23	329.20	0	05:15	0.23
PWOPRMHS0002051	JUNCTION	0.02	0.62	328.89	0	05:15	0.62
PWOPRMHS0002080	JUNCTION	0.01	0.19	325.42	0	05:15	0.19
PWOPRMHS0002082	JUNCTION	0.01	0.20	326.91	0	05:15	0.20
PWOPRMHS0002083	JUNCTION	0.01	0.28	325.60	0	05:15	0.28
PWOPRMHS0002084	JUNCTION	0.02	0.43	325.40	0	05:15	0.43
PWOPRMHS0002085	JUNCTION	0.00	0.11	329.50	0	05:15	0.11
PWOPRMHS0002095	JUNCTION	0.00	0.12	336.16	0	05:15	0.12
PWOPRMHS0003136	JUNCTION	0.02	0.49	329.38	0	05:15	0.49
PWOPRMHS0003137	JUNCTION	0.01	0.37	329.87	0	05:15	0.37
PWOPRMHS0003140	JUNCTION	0.00	0.00	327.35	0	00:00	0.00
PWOPRMHS0003146	JUNCTION	0.02	0.52	335.12	0	05:15	0.52
PWOPRMHS0003147	JUNCTION	0.01	0.28	334.07	0	05:15	0.28
PWOPRMHS0003148	JUNCTION	0.01	0.40	332.29	0	05:15	0.40
PWOPRMHS0003149	JUNCTION	0.01	0.33	331.19	0	05:15	0.33
PWOPRMHS0003153	JUNCTION	0.01	0.26	336.42	0	05:15	0.26
PWOPRMHS0003160	JUNCTION	0.01	0.15	335.65	0	05:15	0.15
PWOPRMHS0004129	JUNCTION	0.01	0.22	329.29	0	05:15	0.22
PWOPRMHS0004130	JUNCTION	0.01	0.34	329.17	0	05:15	0.34
PWOPRMHS0004131	JUNCTION	0.01	0.27	328.84	0	05:15	0.27
PWOPRMHS0004132	JUNCTION	0.01	0.39	328.52	0	05:15	0.39
PWOPRMHS0004133	JUNCTION	0.01	0.29	329.08	0	05:15	0.29
PWOPRMHS0004134	JUNCTION	0.01	0.17	332.11	0	05:15	0.17
PWOPRMHS0004135	JUNCTION	0.01	0.22	332.65	0	05:15	0.22
PWOPRMHS0004137	JUNCTION	0.00	0.16	334.54	0	05:15	0.16
PWOPRMHS0004141	JUNCTION	0.02	0.49	327.87	0	05:15	0.49
PWOPRMHS0004142	JUNCTION	0.02	0.45	327.49	0	05:15	0.45
PWOPRMHS0004143	JUNCTION	0.01	0.15	327.93	0	05:15	0.15
PWOPRMHS0004146	JUNCTION	0.00	0.00	332.40	0	00:00	0.00
PWOPRMHS0004159	JUNCTION	0.01	0.20	329.83	0	05:15	0.20
PWOPRMHS0004201	JUNCTION	0.01	0.19	329.71	0	05:15	0.19
PWOPRMHS0004998	JUNCTION	0.00	0.03	326.76	0	05:15	0.03
PWOPRMHS0004999	JUNCTION	0.00	0.03	327.52	0	05:15	0.03
PWOPRMHS0005000	JUNCTION	0.01	0.21	327.20	0	05:15	0.21
PWOPRMHS0005001	JUNCTION	0.02	0.30	327.42	0	05:15	0.30
PWOPRMHS0005003	JUNCTION	0.03	0.76	326.95	0	05:15	0.76
PWOPRMHS0005008	JUNCTION	0.00	0.10	338.62	0	05:15	0.10
PWOPRMHS0005009	JUNCTION	0.00	0.08	339.47	0	05:15	0.08
PWOPRMHS0005010	JUNCTION	0.00	0.09	338.23	0	05:15	0.09
PWOPRMHS0005011	JUNCTION	0.01	0.23	335.21	0	05:15	0.23
PWOPRMHS0005012	JUNCTION	0.00	0.12	335.67	0	05:15	0.12

PWOPRMHS0005013	JUNCTION	0.01	0.20	335.00	0	05:15	0.20
PWOPRMHS0005178	JUNCTION	0.00	0.04	328.68	0	05:15	0.04
PWOPRMHS0005179	JUNCTION	0.02	0.45	326.65	0	05:15	0.45
PWOPRMHS0005181	JUNCTION	0.02	0.47	327.13	0	05:15	0.47
PWOPRMHS0005183	JUNCTION	0.01	0.35	328.09	0	05:15	0.35
PWOPRMHS0005188	JUNCTION	0.01	0.20	330.14	0	05:15	0.20
PWOPRMHS0005196	JUNCTION	0.01	0.17	328.38	0	05:15	0.17
PWOPRMHS0005223	JUNCTION	0.02	0.44	326.28	0	05:15	0.44
PWOPRMHS0005226	JUNCTION	0.02	0.44	325.90	0	05:15	0.44
PWOPRMHS0005229	JUNCTION	0.01	0.18	324.92	0	05:15	0.18
PWOPRMHS0005230	JUNCTION	0.01	0.31	324.86	0	05:15	0.31
PWOPRMHS0005231	JUNCTION	0.01	0.17	325.41	0	05:15	0.17
PWOPRMHS0005906	JUNCTION	0.00	0.00	319.63	0	00:00	0.00
PWOPRMHS0005908	JUNCTION	0.00	0.12	319.04	0	05:15	0.12
PWOPRMHS0005909	JUNCTION	0.01	0.22	318.66	0	05:15	0.22
PWOPRMHS0005910	JUNCTION	0.00	0.00	318.95	0	00:00	0.00
PWOPRMHS0005911	JUNCTION	0.00	0.00	319.29	0	00:00	0.00
PWOPRMHS0005924	JUNCTION	0.01	0.17	318.77	0	05:15	0.17
PWOPRMHS0005926	JUNCTION	0.01	0.27	318.32	0	05:15	0.27
PWOPRMHS0005927	JUNCTION	0.01	0.35	318.11	0	05:15	0.35
PWOPRMHS0005930	JUNCTION	0.02	0.39	317.64	0	05:15	0.39
PWOPRMHS0005931	JUNCTION	0.01	0.20	317.90	0	05:15	0.20
PWOPRMHS0005932	JUNCTION	0.00	0.13	318.01	0	05:15	0.13
PWOPRMHS0005944	JUNCTION	0.00	0.12	318.44	0	05:15	0.12
PWOPRMHS0005945	JUNCTION	0.01	0.20	318.42	0	05:15	0.20
PWOPRMHS0005946	JUNCTION	0.01	0.18	318.68	0	05:15	0.18
SWMPOND	JUNCTION	0.02	0.53	322.53	0	05:16	0.52
A1_OVERFLOW	OUTFALL	0.00	0.02	317.02	0	05:15	0.02
A2_OVERFLOW	OUTFALL	0.00	0.00	329.00	0	00:00	0.00
A3_OVERFLOW	OUTFALL	0.01	0.30	326.30	0	05:15	0.30
A4_OVERFLOW	OUTFALL	0.08	0.65	317.65	0	07:15	0.65
B1_OVERFLOW	OUTFALL	0.00	0.04	324.04	0	05:16	0.04
B2_OVERFLOW	OUTFALL	0.00	0.15	322.15	0	05:18	0.15
C1_OVERFLOW	OUTFALL	0.01	0.43	319.43	0	05:15	0.43
D1_OVERFLOW	OUTFALL	0.01	0.35	324.85	0	05:15	0.34
D2_OVERFLOW	OUTFALL	0.02	0.25	321.25	0	05:15	0.25
D3_OVERFLOW	OUTFALL	0.03	0.42	321.92	0	07:40	0.42
D4_OVERFLOW	OUTFALL	0.02	0.22	318.22	0	06:15	0.22
E1_OVERFLOW	OUTFALL	0.14	0.92	314.92	0	10:13	0.92
E2_OVERFLOW	OUTFALL	0.11	0.68	314.58	0	12:43	0.68
HanlonCreek	OUTFALL	0.00	0.00	300.00	0	00:00	0.00
S_A1	STORAGE	0.02	0.50	331.50	0	05:16	0.50
S_A2	STORAGE	0.03	0.54	330.54	0	06:07	0.54
S_A3	STORAGE	0.06	0.54	326.54	0	06:52	0.54
S_A4	STORAGE	0.20	1.05	319.05	0	07:51	1.05
S_B1	STORAGE	0.02	0.60	324.60	0	05:17	0.60
S_B2	STORAGE	0.04	0.79	322.79	0	05:51	0.79
S_C1	STORAGE	0.06	0.95	319.95	0	05:24	0.95
S_D1	STORAGE	0.05	0.67	325.17	0	05:38	0.67
S_D2	STORAGE	0.07	0.55	321.55	0	05:19	0.55
S_D3	STORAGE	0.12	1.05	322.55	0	07:59	1.05
S_D4	STORAGE	0.12	0.86	318.86	0	05:20	0.86
S_E1	STORAGE	0.36	1.64	315.64	0	10:32	1.64
S_E2	STORAGE	0.17	0.79	314.69	0	12:44	0.79

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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	
1	JUNCTION	4.783	4.783	0	05:15	27.6	27.6	-0.016	
11	JUNCTION	0.000	11.818	0	05:17	0	461	0.001	
12	JUNCTION	0.000	11.822	0	05:18	0	461	0.001	
13	JUNCTION	0.000	19.484	0	05:18	0	647	-0.002	
14	JUNCTION	1.531	6.104	0	05:15	6.87	34.5	0.009	
15	JUNCTION	0.000	17.960	0	10:37	0	660	-0.032	
17	JUNCTION	0.000	14.565	0	12:44	0	665	-0.000	
18	JUNCTION	0.711	11.869	0	05:14	3.61	44.5	-0.188	
19	JUNCTION	0.000	4.263	0	05:17	0	22.7	0.008	
2	JUNCTION	28.505	28.505	0	05:15	166	166	-0.057	
20	JUNCTION	1.763	7.563	0	05:15	10.6	52.8	0.015	
21	JUNCTION	6.283	15.547	0	05:15	40.2	289	-0.001	
22	JUNCTION	0.000	6.611	0	05:17	0	64.6	-0.004	
24	JUNCTION	0.275	10.608	0	05:16	0.87	83.3	0.053	
25	JUNCTION	0.000	6.679	0	05:17	0	64.6	-0.003	
26	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
27	JUNCTION	12.956	12.956	0	05:15	80.8	80.8	-0.017	
28	JUNCTION	12.962	20.090	0	05:15	172	241	0.017	
29	JUNCTION	0.000	5.721	0	05:38	0	90.4	-0.012	
3	JUNCTION	2.218	6.105	0	05:15	11.1	42.2	-0.028	
30	JUNCTION	0.000	5.176	0	05:20	0	153	-0.000	
31	JUNCTION	0.000	5.175	0	05:20	0	153	-0.000	
32	JUNCTION	0.000	5.175	0	05:20	0	153	-0.002	
34	JUNCTION	0.000	5.954	0	05:20	0	178	0.000	
35	JUNCTION	0.000	5.954	0	05:21	0	178	0.000	
36	JUNCTION	0.041	7.426	0	05:16	0.14	185	0.003	
37	JUNCTION	1.072	5.249	0	05:15	4.65	23.6	-0.002	
39	JUNCTION	0.000	6.421	0	08:23	0	158	0.018	
4	JUNCTION	0.112	0.112	0	05:15	0.598	0.598	-0.110	
40	JUNCTION	42.782	42.782	0	05:15	258	258	-0.000	
42	JUNCTION	7.962	14.836	0	05:18	38.2	80.8	0.019	
48	JUNCTION	13.086	23.458	0	05:15	98.3	179	0.010	
49	JUNCTION	35.831	35.831	0	07:35	662	662	-0.000	
5	JUNCTION	0.000	3.788	0	06:08	0	45.9	0.012	
50	JUNCTION	18.261	23.242	0	06:15	320	472	0.001	
53	JUNCTION	199.359	214.154	0	10:05	6.83e+03	7.47e+03	0.001	
54	JUNCTION	109.941	125.686	0	12:43	3.74e+03	4.4e+03	0.011	
56	JUNCTION	3.484	14.560	0	12:45	17	682	0.003	
6	JUNCTION	4.245	7.198	0	05:15	23.6	69.5	-0.035	
7	JUNCTION	88.433	103.877	0	07:15	2.18e+03	2.68e+03	0.005	
8	JUNCTION	6.567	39.340	0	05:15	41.5	319	-0.003	
9	JUNCTION	0.116	49.698	0	05:15	0.622	403	-0.017	
MHEasement1	JUNCTION	0.050	0.388	0	05:15	0.2	1.52	-0.021	
MHEasement2	JUNCTION	0.117	0.505	0	05:15	0.437	1.96	0.007	
MHSchool	JUNCTION	0.000	1.039	0	05:15	0	4.78	-0.000	
MHSWM4	JUNCTION	0.039	2.454	0	05:15	0.125	10.9	0.001	
PWOPRMHS0001369	JUNCTION	0.000	1.004	0	05:15	0	4.16	0.013	
PWOPRMHS0001370	JUNCTION	0.000	0.339	0	05:15	0	1.32	-0.004	

PWOPRMHS0001371	JUNCTION	0.109	0.109	0	05:15	0.414	0.414	-0.000	
PWOPRMHS0001372	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001373	JUNCTION	0.000	0.216	0	05:15	0	0.839	-0.001	
PWOPRMHS0001374	JUNCTION	0.041	0.230	0	05:15	0.162	0.906	-0.000	
PWOPRMHS0001375	JUNCTION	0.000	0.230	0	05:15	0	0.906	0.004	
PWOPRMHS0001386	JUNCTION	0.000	1.803	0	05:15	0	7.3	-0.039	
PWOPRMHS0001387	JUNCTION	0.000	1.300	0	05:15	0	5.34	-0.002	
PWOPRMHS0001388	JUNCTION	0.111	1.301	0	05:15	0.417	5.34	0.011	
PWOPRMHS0001389	JUNCTION	0.190	1.191	0	05:15	0.764	4.92	0.003	
PWOPRMHS0001390	JUNCTION	0.076	0.076	0	05:15	0.339	0.339	-0.002	
PWOPRMHS0001391	JUNCTION	0.000	0.165	0	05:15	0	0.673	-0.003	
PWOPRMHS0001392	JUNCTION	0.089	0.089	0	05:15	0.335	0.335	-0.001	
PWOPRMHS0001393	JUNCTION	0.164	0.788	0	05:15	0.785	3.32	0.011	
PWOPRMHS0001394	JUNCTION	0.000	0.164	0	05:15	0	0.673	-0.003	
PWOPRMHS0001395	JUNCTION	0.218	0.218	0	05:15	0.785	0.785	-0.002	
PWOPRMHS0001398	JUNCTION	0.226	0.226	0	05:15	0.834	0.834	0.003	
PWOPRMHS0001399	JUNCTION	0.000	0.226	0	05:15	0	0.834	-0.005	
PWOPRMHS0001400	JUNCTION	0.000	0.226	0	05:15	0	0.834	0.003	
PWOPRMHS0001401	JUNCTION	0.107	0.332	0	05:15	0.392	1.23	-0.333	
PWOPRMHS0001402	JUNCTION	0.082	0.463	0	05:15	0.325	1.78	-0.280	
PWOPRMHS0001403	JUNCTION	0.288	2.417	0	05:15	1.25	10.8	-0.001	
PWOPRMHS0001404	JUNCTION	0.000	0.625	0	05:15	0	2.54	-0.056	
PWOPRMHS0001408	JUNCTION	0.386	0.386	0	05:15	1.41	1.41	-0.002	
PWOPRMHS0001409	JUNCTION	0.123	0.123	0	05:15	0.492	0.492	-0.001	
PWOPRMHS0001410	JUNCTION	0.082	1.390	0	05:15	0.348	6.38	-0.006	
PWOPRMHS0001411	JUNCTION	0.043	0.345	0	05:15	0.214	1.97	-0.000	
PWOPRMHS0001412	JUNCTION	0.021	0.302	0	05:15	0.116	1.76	0.000	
PWOPRMHS0001413	JUNCTION	0.241	0.241	0	05:15	1.43	1.43	-0.001	
PWOPRMHS0001415	JUNCTION	0.000	1.003	0	05:15	0	4.16	-0.004	
PWOPRMHS0001416	JUNCTION	0.000	2.453	0	05:15	0	10.9	-0.004	
PWOPRMHS0001418	JUNCTION	0.107	2.905	0	05:15	0.475	12.7	-0.019	
PWOPRMHS0001419	JUNCTION	0.000	0.189	0	05:15	0	0.744	-0.001	
PWOPRMHS0001420	JUNCTION	0.037	0.189	0	05:15	0.143	0.744	-0.000	
PWOPRMHS0001421	JUNCTION	0.000	0.153	0	05:15	0	0.601	-0.000	
PWOPRMHS0001422	JUNCTION	0.025	0.216	0	05:15	0.104	0.839	-0.051	
PWOPRMHS0001423	JUNCTION	0.025	0.191	0	05:15	0.096	0.735	0.017	
PWOPRMHS0001424	JUNCTION	0.166	0.166	0	05:15	0.639	0.639	-0.001	
PWOPRMHS0001428	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001429	JUNCTION	0.153	0.153	0	05:15	0.601	0.601	-0.000	
PWOPRMHS0001430	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001431	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001433	JUNCTION	0.350	0.350	0	05:15	1.32	1.32	0.036	
PWOPRMHS0001435	JUNCTION	0.054	0.054	0	05:15	0.284	0.284	-0.000	
PWOPRMHS0001436	JUNCTION	0.053	3.977	0	05:15	0.214	17.6	0.017	
PWOPRMHS0001437	JUNCTION	0.000	1.026	0	05:15	0	4.75	0.017	
PWOPRMHS0001438	JUNCTION	0.000	4.026	0	05:15	0	17.9	-0.006	
PWOPRMHS0001467	JUNCTION	0.241	0.241	0	05:15	1.13	1.13	0.106	
PWOPRMHS0001597	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001598	JUNCTION	0.146	0.343	0	05:15	0.963	2.3	-0.010	
PWOPRMHS0001600	JUNCTION	0.352	0.352	0	05:15	1.64	1.64	-0.032	
PWOPRMHS0001601	JUNCTION	0.176	0.176	0	05:15	1.18	1.18	-0.000	
PWOPRMHS0001602	JUNCTION	0.014	0.198	0	05:15	0.103	1.34	0.049	
PWOPRMHS0001603	JUNCTION	0.019	0.371	0	05:15	0.131	1.78	-0.012	
PWOPRMHS0001604	JUNCTION	0.024	0.639	0	05:15	0.171	3.05	-0.022	
PWOPRMHS0001605	JUNCTION	0.244	0.244	0	05:15	1.11	1.11	0.022	
PWOPRMHS0001606	JUNCTION	0.120	3.382	0	05:15	0.505	16.2	0.020	
PWOPRMHS0001608	JUNCTION	0.000	2.287	0	05:15	0	10.4	-0.040	

PWOPRMHS0001610	JUNCTION	0.000	2.626	0	05:15	0	12.7	-0.004
PWOPRMHS0001611	JUNCTION	0.023	4.625	0	05:10	0.09	5.03	1.744
PWOPRMHS0001614	JUNCTION	0.020	2.171	0	05:10	0.0907	3.47	-0.704
PWOPRMHS0001622	JUNCTION	0.039	0.039	0	05:15	0.209	0.209	-0.001
PWOPRMHS0001624	JUNCTION	0.000	0.241	0	05:15	0	1.25	-0.001
PWOPRMHS0001625	JUNCTION	0.081	0.321	0	05:15	0.342	1.59	-0.000
PWOPRMHS0001626	JUNCTION	0.241	0.241	0	05:15	1.25	1.25	0.023
PWOPRMHS0001634	JUNCTION	0.090	1.479	0	05:15	0.368	6.75	0.073
PWOPRMHS0001642	JUNCTION	0.020	0.863	0	05:18	0.123	1.1	0.678
PWOPRMHS0001643	JUNCTION	0.033	0.192	0	05:14	0.126	0.782	-0.126
PWOPRMHS0001649	JUNCTION	0.036	0.475	0	05:15	0.189	2.31	-0.002
PWOPRMHS0001650	JUNCTION	0.000	0.334	0	05:15	0	1.65	-0.000
PWOPRMHS0001651	JUNCTION	0.013	0.335	0	05:15	0.0592	1.65	-0.000
PWOPRMHS0001652	JUNCTION	0.000	0.475	0	05:15	0	2.31	-0.000
PWOPRMHS0001653	JUNCTION	0.000	0.475	0	05:15	0	2.3	-0.011
PWOPRMHS0001654	JUNCTION	0.000	0.475	0	05:15	0	2.31	0.028
PWOPRMHS0001655	JUNCTION	0.105	0.105	0	05:15	0.462	0.462	0.009
PWOPRMHS0001657	JUNCTION	0.013	0.710	0	05:15	0.0688	2.97	0.020
PWOPRMHS0001658	JUNCTION	0.181	0.181	0	05:15	0.768	0.768	-0.000
PWOPRMHS0001659	JUNCTION	0.516	0.516	0	05:15	2.13	2.13	-0.001
PWOPRMHS0001660	JUNCTION	0.029	1.180	0	05:15	0.123	4.69	0.004
PWOPRMHS0001661B	JUNCTION	0.773	1.247	0	05:15	2.94	5.25	0.000
PWOPRMHS0001662	JUNCTION	0.135	3.281	0	05:15	0.478	13.5	-0.033
PWOPRMHS0001663	JUNCTION	0.012	1.968	0	05:15	0.0753	8.29	-0.017
PWOPRMHS0001664	JUNCTION	0.000	0.475	0	05:15	0	2.31	0.018
PWOPRMHS0001667	JUNCTION	0.000	3.381	0	05:15	0	16.2	-0.029
PWOPRMHS0001670	JUNCTION	0.037	3.410	0	05:16	0.221	16.5	0.047
PWOPRMHS0001674	JUNCTION	0.000	4.054	0	05:15	0	18	0.001
PWOPRMHS0001676	JUNCTION	0.030	0.646	0	05:15	0.118	2.88	-0.012
PWOPRMHS0001677	JUNCTION	0.046	0.616	0	05:15	0.215	2.76	0.006
PWOPRMHS0001678	JUNCTION	0.200	0.200	0	05:15	0.892	0.892	0.005
PWOPRMHS0001679	JUNCTION	0.000	0.380	0	05:15	0	1.59	0.001
PWOPRMHS0001680	JUNCTION	0.046	0.674	0	05:15	0.194	2.89	-0.020
PWOPRMHS0001682	JUNCTION	0.080	1.288	0	05:15	0.357	5.54	-0.008
PWOPRMHS0001686	JUNCTION	0.036	1.152	0	05:15	0.157	4.94	-0.000
PWOPRMHS0001687	JUNCTION	0.000	3.271	0	05:15	0	14.6	0.002
PWOPRMHS0001688	JUNCTION	0.043	3.410	0	05:15	0.163	15.1	-0.000
PWOPRMHS0001689	JUNCTION	0.048	3.272	0	05:15	0.214	14.6	0.014
PWOPRMHS0001690	JUNCTION	0.027	1.938	0	05:15	0.105	8.81	0.000
PWOPRMHS0001691	JUNCTION	0.082	1.912	0	05:15	0.32	8.71	-0.001
PWOPRMHS0001692	JUNCTION	0.047	1.590	0	05:15	0.191	7.45	0.000
PWOPRMHS0001695	JUNCTION	0.234	0.234	0	05:15	1.1	1.1	-0.028
PWOPRMHS0001697	JUNCTION	0.241	0.241	0	05:15	1.04	1.04	-0.002
PWOPRMHS0001705	JUNCTION	0.101	0.101	0	05:15	0.395	0.395	-0.001
PWOPRMHS0001706	JUNCTION	0.371	0.371	0	05:15	1.65	1.65	-0.002
PWOPRMHS0001713	JUNCTION	0.101	4.151	0	05:15	0.379	18.4	-0.007
PWOPRMHS0001729	JUNCTION	0.000	0.359	0	05:15	0	1.69	-0.000
PWOPRMHS0001732	JUNCTION	0.000	0.417	0	05:15	0	1.91	0.002
PWOPRMHS0001733	JUNCTION	0.102	0.102	0	05:15	0.422	0.422	-0.001
PWOPRMHS0001736	JUNCTION	0.034	0.375	0	05:15	0.132	1.59	-0.006
PWOPRMHS0001739	JUNCTION	0.105	0.522	0	05:15	0.404	2.32	0.004
PWOPRMHS0001740	JUNCTION	0.000	0.522	0	05:15	0	2.31	-0.001
PWOPRMHS0001741	JUNCTION	0.057	0.057	0	05:15	0.228	0.228	-0.002
PWOPRMHS0001743	JUNCTION	0.054	1.642	0	05:15	0.221	7.67	-0.025
PWOPRMHS0001744	JUNCTION	0.000	1.545	0	05:15	0	7.26	-0.005
PWOPRMHS0001745	JUNCTION	0.009	1.517	0	05:15	0.0475	7.14	-0.005
PWOPRMHS0001746	JUNCTION	0.030	1.545	0	05:15	0.116	7.26	0.005

PWOPRMHS0001761	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001764	JUNCTION	0.298	0.590	0	05:15	1.25	2.5	-0.004	
PWOPRMHS0001765	JUNCTION	0.293	0.293	0	05:15	1.24	1.24	-0.001	
PWOPRMHS0001766	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001767	JUNCTION	0.075	0.842	0	05:15	0.31	3.57	-0.002	
PWOPRMHS0001768	JUNCTION	0.179	0.179	0	05:15	0.759	0.759	-0.001	
PWOPRMHS0001788	JUNCTION	0.159	2.130	0	05:15	0.653	9.51	0.000	
PWOPRMHS0001791	JUNCTION	0.146	1.622	0	05:15	0.605	7.35	-0.067	
PWOPRMHS0001792	JUNCTION	0.079	1.889	0	05:15	0.323	8.5	-0.001	
PWOPRMHS0001796	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001797	JUNCTION	0.193	0.193	0	05:15	0.822	0.822	-0.001	
PWOPRMHS0001798	JUNCTION	0.000	0.193	0	05:15	0	0.822	-0.000	
PWOPRMHS0001804	JUNCTION	0.047	0.047	0	05:15	0.246	0.246	-0.001	
PWOPRMHS0001836	JUNCTION	0.089	1.975	0	05:15	0.359	8.86	-0.002	
PWOPRMHS0001855	JUNCTION	0.039	0.957	0	05:15	0.236	4.47	-0.000	
PWOPRMHS0001856	JUNCTION	0.000	0.748	0	05:15	0	3.27	-0.001	
PWOPRMHS0001857	JUNCTION	0.070	1.027	0	05:15	0.284	4.75	-0.000	
PWOPRMHS0001858	JUNCTION	0.044	0.740	0	05:15	0.244	3.22	-0.000	
PWOPRMHS0001867	JUNCTION	0.068	0.068	0	05:15	0.318	0.318	-0.001	
PWOPRMHS0001874	JUNCTION	0.059	0.059	0	05:15	0.22	0.22	-0.002	
PWOPRMHS0001878	JUNCTION	0.029	0.407	0	05:15	0.108	1.7	0.026	
PWOPRMHS0001879	JUNCTION	0.000	1.772	0	05:16	0	2.15	-0.090	
PWOPRMHS0001881	JUNCTION	0.159	0.159	0	05:15	0.656	0.656	0.005	
PWOPRMHS0001889	JUNCTION	0.036	0.761	0	05:15	0.145	3	-0.036	
PWOPRMHS0001890	JUNCTION	0.015	1.098	0	05:15	0.0903	4.36	0.051	
PWOPRMHS0001891	JUNCTION	0.096	0.096	0	05:15	0.382	0.382	-0.018	
PWOPRMHS0001894	JUNCTION	0.056	1.153	0	05:15	0.209	4.57	-0.038	
PWOPRMHS0001903	JUNCTION	0.341	0.341	0	05:15	1.44	1.44	-0.000	
PWOPRMHS0001904	JUNCTION	0.000	0.409	0	05:15	0	1.76	-0.002	
PWOPRMHS0001906	JUNCTION	0.029	0.519	0	05:15	0.132	2.03	-0.001	
PWOPRMHS0001907	JUNCTION	0.000	0.268	0	05:15	0	1.04	0.000	
PWOPRMHS0001908	JUNCTION	0.222	0.222	0	05:15	0.859	0.859	-0.000	
PWOPRMHS0001911	JUNCTION	0.000	0.519	0	05:15	0	2.03	-0.000	
PWOPRMHS0001912	JUNCTION	0.167	4.783	0	05:15	0.508	20.8	-0.047	
PWOPRMHS0001914	JUNCTION	0.289	0.289	0	05:15	1.22	1.22	-0.000	
PWOPRMHS0001915	JUNCTION	0.008	0.747	0	05:15	0.0505	3.27	0.005	
PWOPRMHS0001916	JUNCTION	0.125	0.871	0	05:15	0.718	3.98	0.001	
PWOPRMHS0001917	JUNCTION	0.269	0.269	0	05:15	1.04	1.04	-0.004	
PWOPRMHS0001918	JUNCTION	0.102	4.122	0	05:16	0.307	18.2	-0.002	
PWOPRMHS0001919	JUNCTION	0.190	0.190	0	05:15	0.717	0.717	-0.000	
PWOPRMHS0001925	JUNCTION	0.123	0.767	0	05:15	0.577	3.7	0.022	
PWOPRMHS0001926	JUNCTION	0.000	0.767	0	05:15	0	3.7	-0.003	
PWOPRMHS0001927	JUNCTION	0.000	0.258	0	05:15	0	1.21	0.009	
PWOPRMHS0001928	JUNCTION	0.136	1.935	0	05:15	0.635	9.29	0.000	
PWOPRMHS0001929	JUNCTION	0.117	0.587	0	05:15	0.549	2.84	0.011	
PWOPRMHS0001930	JUNCTION	0.054	0.708	0	05:15	0.251	3.41	0.120	
PWOPRMHS0001931	JUNCTION	0.000	0.471	0	05:15	0	2.3	-0.000	
PWOPRMHS0001932	JUNCTION	0.000	0.471	0	05:15	0	2.3	-0.001	
PWOPRMHS0001933	JUNCTION	0.141	0.471	0	05:15	0.665	2.3	-0.001	
PWOPRMHS0001935	JUNCTION	0.000	0.330	0	05:15	0	1.63	-0.001	
PWOPRMHS0001937	JUNCTION	0.644	0.644	0	05:15	3.13	3.13	0.015	
PWOPRMHS0001939	JUNCTION	0.258	0.258	0	05:15	1.21	1.21	-0.000	
PWOPRMHS0001941	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001943	JUNCTION	0.330	0.330	0	05:15	1.63	1.63	-0.001	
PWOPRMHS0001944	JUNCTION	0.070	0.777	0	05:15	0.332	3.74	-0.129	
PWOPRMHS0001945	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001947	JUNCTION	0.067	0.067	0	05:15	0.316	0.316	-0.001	

PWOPRMHS0002041	JUNCTION	0.518	0.518	0	05:15	2.47	2.47	-0.000	
PWOPRMHS0002042	JUNCTION	0.359	0.359	0	05:15	1.69	1.69	-0.002	
PWOPRMHS0002046	JUNCTION	0.057	0.057	0	05:15	0.245	0.245	-0.000	
PWOPRMHS0002050	JUNCTION	0.320	0.320	0	05:15	1.7	1.7	-0.000	
PWOPRMHS0002051	JUNCTION	0.094	1.508	0	05:15	0.382	7.09	0.005	
PWOPRMHS0002080	JUNCTION	0.228	0.228	0	05:15	0.893	0.893	-0.001	
PWOPRMHS0002082	JUNCTION	0.399	0.399	0	05:15	1.53	1.53	0.073	
PWOPRMHS0002083	JUNCTION	0.000	0.576	0	05:15	0	2.31	-0.037	
PWOPRMHS0002084	JUNCTION	0.150	0.726	0	05:15	0.545	2.85	0.039	
PWOPRMHS0002085	JUNCTION	0.178	0.178	0	05:15	0.774	0.774	-0.000	
PWOPRMHS0002095	JUNCTION	0.248	0.248	0	05:15	1.1	1.1	-0.007	
PWOPRMHS0003136	JUNCTION	0.015	1.117	0	05:15	0.0653	4.78	-0.000	
PWOPRMHS0003137	JUNCTION	0.055	1.102	0	05:15	0.222	4.72	0.001	
PWOPRMHS0003140	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0003146	JUNCTION	0.025	0.925	0	05:15	0.117	3.99	0.034	
PWOPRMHS0003147	JUNCTION	0.000	0.923	0	05:15	0	3.99	0.000	
PWOPRMHS0003148	JUNCTION	0.000	0.923	0	05:15	0	3.99	-0.000	
PWOPRMHS0003149	JUNCTION	0.127	1.048	0	05:15	0.509	4.5	-0.000	
PWOPRMHS0003153	JUNCTION	0.381	0.381	0	05:15	1.59	1.59	-0.001	
PWOPRMHS0003160	JUNCTION	0.227	0.227	0	05:15	0.982	0.982	-0.000	
PWOPRMHS0004129	JUNCTION	0.239	0.239	0	05:15	0.975	0.975	-0.007	
PWOPRMHS0004130	JUNCTION	0.023	0.523	0	05:15	0.108	2.15	-0.005	
PWOPRMHS0004131	JUNCTION	0.021	0.544	0	05:15	0.106	2.26	0.020	
PWOPRMHS0004132	JUNCTION	0.031	1.494	0	05:15	0.179	6.24	0.011	
PWOPRMHS0004133	JUNCTION	0.041	0.505	0	05:15	0.18	2.07	-0.001	
PWOPRMHS0004134	JUNCTION	0.000	0.464	0	05:15	0	1.89	0.001	
PWOPRMHS0004135	JUNCTION	0.155	0.465	0	05:15	0.635	1.89	-0.007	
PWOPRMHS0004137	JUNCTION	0.034	0.310	0	05:15	0.136	1.25	0.010	
PWOPRMHS0004141	JUNCTION	0.000	1.673	0	05:15	0	7.06	-0.005	
PWOPRMHS0004142	JUNCTION	0.182	1.868	0	05:15	0.892	8.06	-0.014	
PWOPRMHS0004143	JUNCTION	0.180	0.180	0	05:15	0.822	0.822	0.007	
PWOPRMHS0004146	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0004159	JUNCTION	0.261	0.261	0	05:15	1.07	1.07	-0.002	
PWOPRMHS0004201	JUNCTION	0.416	0.416	0	05:15	1.73	1.73	-0.000	
PWOPRMHS0004998	JUNCTION	0.007	0.007	0	05:15	0.0515	0.0515	-0.045	
PWOPRMHS0004999	JUNCTION	0.004	0.004	0	05:15	0.0257	0.0257	0.000	
PWOPRMHS0005000	JUNCTION	0.025	0.323	0	05:15	0.18	1.98	-0.055	
PWOPRMHS0005001	JUNCTION	0.294	0.294	0	05:15	1.77	1.77	-0.001	
PWOPRMHS0005003	JUNCTION	0.103	2.292	0	05:15	0.342	10.4	0.090	
PWOPRMHS0005008	JUNCTION	0.061	0.093	0	05:15	0.267	0.402	-0.000	
PWOPRMHS0005009	JUNCTION	0.032	0.032	0	05:15	0.135	0.135	-0.003	
PWOPRMHS0005010	JUNCTION	0.000	0.093	0	05:15	0	0.402	0.248	
PWOPRMHS0005011	JUNCTION	0.090	0.278	0	05:15	0.321	1.12	-0.107	
PWOPRMHS0005012	JUNCTION	0.096	0.096	0	05:15	0.394	0.394	-0.139	
PWOPRMHS0005013	JUNCTION	0.000	0.277	0	05:15	0	1.12	0.001	
PWOPRMHS0005178	JUNCTION	0.014	0.014	0	05:15	0.103	0.103	-0.262	
PWOPRMHS0005179	JUNCTION	0.077	1.080	0	05:15	0.315	4.69	-0.001	
PWOPRMHS0005181	JUNCTION	0.043	1.003	0	05:15	0.153	4.37	-0.047	
PWOPRMHS0005183	JUNCTION	0.013	0.961	0	05:15	0.09	4.22	0.063	
PWOPRMHS0005188	JUNCTION	0.617	0.617	0	05:15	2.68	2.68	-0.006	
PWOPRMHS0005196	JUNCTION	0.331	0.331	0	05:15	1.45	1.45	-0.001	
PWOPRMHS0005223	JUNCTION	0.039	1.118	0	05:15	0.152	4.84	0.004	
PWOPRMHS0005226	JUNCTION	0.065	1.182	0	05:15	0.241	5.08	-0.005	
PWOPRMHS0005229	JUNCTION	0.020	0.212	0	05:15	0.083	0.814	0.017	
PWOPRMHS0005230	JUNCTION	0.033	1.425	0	05:15	0.132	6.03	-0.144	
PWOPRMHS0005231	JUNCTION	0.192	0.192	0	05:15	0.731	0.731	-0.006	
PWOPRMHS0005906	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr

PWOPRMHS0005908	JUNCTION	0.071	0.071	0	05:15	0.328	0.328	-0.001	
PWOPRMHS0005909	JUNCTION	0.235	0.306	0	05:15	1.13	1.46	0.051	
PWOPRMHS0005910	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0005911	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0005924	JUNCTION	0.169	0.169	0	05:15	0.682	0.682	-0.002	
PWOPRMHS0005926	JUNCTION	0.065	0.371	0	05:15	0.295	1.75	-0.040	
PWOPRMHS0005927	JUNCTION	0.067	0.606	0	05:15	0.309	2.74	0.217	
PWOPRMHS0005930	JUNCTION	0.132	1.141	0	05:15	0.503	5.2	-0.335	
PWOPRMHS0005931	JUNCTION	0.048	0.285	0	05:15	0.302	1.42	0.020	
PWOPRMHS0005932	JUNCTION	0.120	0.120	0	05:15	0.539	0.539	0.052	
PWOPRMHS0005944	JUNCTION	0.056	0.056	0	05:15	0.252	0.252	-0.011	
PWOPRMHS0005945	JUNCTION	0.000	0.238	0	05:15	0	1.12	0.001	
PWOPRMHS0005946	JUNCTION	0.182	0.182	0	05:15	0.87	0.87	-0.001	
SWMPOND	JUNCTION	0.248	2.418	0	05:15	1.09	11.5	-0.091	
A1_OVERFLOW	OUTFALL	0.000	2.191	0	05:15	0	3.35	0.000	
A2_OVERFLOW	OUTFALL	0.000	2.529	0	05:16	0	6.83	0.000	
A3_OVERFLOW	OUTFALL	0.000	14.427	0	05:15	0	130	0.000	
A4_OVERFLOW	OUTFALL	0.000	91.862	0	07:15	0	2.24e+03	0.000	
B1_OVERFLOW	OUTFALL	0.000	0.956	0	05:16	0	0.962	0.000	
B2_OVERFLOW	OUTFALL	0.000	8.320	0	05:18	0	32.5	0.000	
C1_OVERFLOW	OUTFALL	0.000	34.018	0	05:15	0	164	0.000	
D1_OVERFLOW	OUTFALL	0.000	16.811	0	05:15	0	88.7	0.000	
D2_OVERFLOW	OUTFALL	0.000	10.181	0	05:15	0	136	0.000	
D3_OVERFLOW	OUTFALL	0.000	29.347	0	07:40	0	504	0.000	
D4_OVERFLOW	OUTFALL	0.000	17.653	0	06:15	0	302	0.000	
E1_OVERFLOW	OUTFALL	0.000	199.606	0	10:13	0	6.81e+03	0.000	
E2_OVERFLOW	OUTFALL	0.000	111.121	0	12:43	0	3.73e+03	0.000	
HanlonCreek	OUTFALL	0.000	14.558	0	12:48	0	682	0.000	
S_A1	STORAGE	0.000	3.908	0	05:15	0	31.1	0.000	
S_A2	STORAGE	0.000	5.032	0	05:16	0	45.9	0.002	
S_A3	STORAGE	0.000	6.770	0	05:15	0	111	0.054	
S_A4	STORAGE	0.000	12.015	0	07:15	0	440	0.002	
S_B1	STORAGE	0.000	4.292	0	05:15	0	22.7	0.002	
S_B2	STORAGE	0.000	6.510	0	05:18	0	48.3	0.002	
S_C1	STORAGE	0.000	8.781	0	05:15	0	93.9	-0.039	
S_D1	STORAGE	0.000	7.333	0	05:14	0	90.4	-0.008	
S_D2	STORAGE	0.000	6.088	0	05:14	0	153	-0.006	
S_D3	STORAGE	0.000	6.578	0	07:15	0	158	0.000	
S_D4	STORAGE	0.000	6.474	0	05:15	0	178	0.002	
S_E1	STORAGE	0.000	15.303	0	09:50	0	661	0.011	
S_E2	STORAGE	0.000	14.669	0	12:04	0	665	0.000	

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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
S_A1	0.012	0	0	0	0.493	0	0	05:16	3.929
S_A2	0.525	0	0	0	12.687	5	0	06:07	3.788
S_A3	1.148	0	0	0	12.185	1	0	06:52	5.097
S_A4	7.089	0	0	0	41.862	2	0	07:51	11.569
S_B1	0.025	0	0	0	0.970	2	0	05:17	4.263
S_B2	0.517	1	0	0	13.513	17	0	05:51	4.362
S_C1	0.118	0	0	0	3.306	6	0	05:24	8.217
S_D1	0.364	0	0	0	6.904	3	0	05:38	5.721
S_D2	0.269	0	0	0	2.528	1	0	05:19	5.176
S_D3	1.114	1	0	0	14.881	12	0	07:59	6.421
S_D4	0.825	1	0	0	6.892	10	0	05:20	5.954
S_E1	3.751	6	0	0	22.811	37	0	10:32	17.960
S_E2	0.599	3	0	0	3.406	17	0	12:44	14.565

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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
A1_OVERFLOW	1.24	1.039	2.191	3.348
A2_OVERFLOW	2.10	1.258	2.529	6.833
A3_OVERFLOW	7.47	6.705	14.427	129.734
A4_OVERFLOW	21.16	40.780	91.862	2236.451
B1_OVERFLOW	0.74	0.499	0.956	0.962
B2_OVERFLOW	3.00	4.184	8.320	32.511
C1_OVERFLOW	5.35	11.813	34.018	163.918
D1_OVERFLOW	6.12	5.591	16.811	88.708
D2_OVERFLOW	12.75	4.126	10.181	136.396
D3_OVERFLOW	11.46	16.964	29.347	503.820
D4_OVERFLOW	13.26	8.784	17.653	301.830
E1_OVERFLOW	25.17	104.472	199.606	6812.962
E2_OVERFLOW	24.62	58.516	111.121	3732.265
HanlonCreek	99.19	2.654	14.558	682.211
System	16.69	267.387	14.558	14831.950

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Link Flow Summary
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	Maximum	Time of Max	Maximum	Max/	Max/

I.01 PCSWMM Output for the 100-Year AES Storm for Scenario 1

Link	Type	|Flow| CMS	Occurrence days	hr:min	|Veloc| m/sec	Full Flow	Full Depth
1	CONDUIT	4.778	0	05:15	2.91	0.05	0.21
10	CONDUIT	11.041	0	05:21	1.50	0.52	0.69
11	CONDUIT	8.881	0	05:15	3.33	0.17	0.31
12	CONDUIT	4.362	0	05:49	2.98	0.37	0.42
13	CONDUIT	4.263	0	05:17	3.00	0.05	0.19
14	CONDUIT	4.262	0	05:18	2.08	0.04	0.27
15	CONDUIT	6.679	0	05:17	2.67	0.07	0.41
16	CONDUIT	28.470	0	05:15	3.59	0.28	0.66
17	CONDUIT	6.857	0	05:21	1.56	0.08	0.59
18	CONDUIT	49.669	0	05:16	8.31	0.46	0.55
19	CONDUIT	11.822	0	05:18	3.95	0.11	0.33
2	CONDUIT	3.929	0	05:18	2.05	0.03	0.25
20	CONDUIT	11.832	0	05:19	3.08	0.11	0.41
21	CONDUIT	19.895	0	05:19	3.84	0.25	0.48
22	CONDUIT	17.960	0	10:37	3.18	0.46	0.55
23	CONDUIT	18.792	0	10:33	3.99	0.67	0.48
24	CONDUIT	14.565	0	12:44	6.04	0.07	0.28
25	CONDUIT	0.000	0	00:00	0.00	0.00	0.16
26	CONDUIT	6.436	0	08:26	2.23	0.22	0.33
27	CONDUIT	12.945	0	05:15	4.65	0.11	0.32
28	CONDUIT	5.721	0	05:38	3.41	0.06	0.21
29	CONDUIT	5.175	0	05:20	3.09	0.06	0.21
3	CONDUIT	6.095	0	05:15	2.60	0.13	0.28
30	CONDUIT	5.175	0	05:20	3.08	0.05	0.21
31	CONDUIT	5.175	0	05:20	2.56	0.06	0.25
32	CONDUIT	5.954	0	05:20	2.79	0.12	0.26
33	CONDUIT	5.954	0	05:21	3.20	0.06	0.23
34	CONDUIT	5.950	0	05:22	3.32	0.06	0.23
35	CONDUIT	7.398	0	05:17	2.32	0.06	0.35
36	CONDUIT	3.908	0	05:15	2.79	0.05	0.19
37	CONDUIT	6.421	0	08:23	1.83	0.09	0.38
38	CONDUIT	5.720	0	05:37	2.99	0.05	0.24
39	CONDUIT	6.088	0	05:14	3.23	0.12	0.23
4	CONDUIT	3.788	0	06:08	2.44	0.04	0.20
40	CONDUIT	5.176	0	05:20	3.23	0.04	0.20
41	CONDUIT	14.560	0	12:45	3.26	0.10	0.45
43	CONDUIT	0.112	0	05:15	0.18	0.00	0.12
44	CONDUIT	12.015	0	07:15	3.85	0.17	0.38
45	CONDUIT	91.862	0	07:15	9.40	0.16	0.33
46	CONDUIT	2.191	0	05:15	6.78	0.00	0.01
47	CONDUIT	11.569	0	07:51	3.82	0.13	0.34
48	CONDUIT	5.032	0	05:16	3.86	0.06	0.19
49	CONDUIT	2.529	0	05:16	2.09	0.01	0.04
5	CONDUIT	3.789	0	06:08	2.26	0.05	0.23
50	CONDUIT	6.770	0	05:15	3.62	0.15	0.23
51	CONDUIT	14.427	0	05:15	3.15	0.05	0.15
52	CONDUIT	4.292	0	05:15	2.65	0.05	0.21
53	CONDUIT	0.956	0	05:16	1.62	0.00	0.02
54	CONDUIT	8.781	0	05:15	3.00	0.12	0.33
55	CONDUIT	34.018	0	05:15	5.32	0.08	0.21
56	CONDUIT	8.320	0	05:18	3.61	0.01	0.08
57	CONDUIT	6.510	0	05:18	3.87	0.07	0.25
58	CONDUIT	6.578	0	07:15	2.62	0.11	0.34
59	CONDUIT	29.347	0	07:40	4.66	0.08	0.21

6	CONDUIT	7.132	0	05:15	2.95	0.08	0.28
60	CONDUIT	7.333	0	05:14	3.30	0.13	0.27
61	CONDUIT	16.811	0	05:15	3.25	0.06	0.17
62	CONDUIT	10.181	0	05:15	2.74	0.03	0.12
63	CONDUIT	5.593	0	06:30	2.39	0.07	0.28
64	CONDUIT	17.653	0	06:15	5.25	0.03	0.11
65	CONDUIT	14.669	0	12:04	4.69	0.18	0.35
66	CONDUIT	111.121	0	12:43	10.94	0.17	0.34
67	CONDUIT	199.606	0	10:13	14.44	0.29	0.46
68	CONDUIT	15.303	0	09:50	3.05	0.10	0.53
7	CONDUIT	5.097	0	06:52	2.41	0.04	0.48
70	CONDUIT	14.558	0	12:48	2.58	0.58	0.53
8	CONDUIT	39.160	0	05:15	4.19	0.38	0.56
9	CONDUIT	8.217	0	05:22	2.50	0.10	0.36
PWOPRSES0001498	CONDUIT	0.226	0	05:15	1.20	0.03	0.11
PWOPRSES0001507	CONDUIT	0.385	0	05:15	1.43	0.04	0.14
PWOPRSES0001510	CONDUIT	0.240	0	05:15	1.15	0.02	0.12
PWOPRSES0001511	CONDUIT	0.191	0	05:15	1.23	0.02	0.10
PWOPRSES0001512	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
PWOPRSES0001515	CONDUIT	0.000	0	00:00	0.00	0.00	0.01
PWOPRSES0001516	CONDUIT	0.153	0	05:15	1.74	0.01	0.07
PWOPRSES0001518	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
PWOPRSES0001519	CONDUIT	0.788	0	05:15	1.54	0.05	0.17
PWOPRSES0001520	CONDUIT	0.164	0	05:16	1.07	0.02	0.10
PWOPRSES0001521	CONDUIT	0.164	0	05:15	1.13	0.02	0.09
PWOPRSES0001522	CONDUIT	0.076	0	05:15	0.84	0.01	0.07
PWOPRSES0001524	CONDUIT	0.089	0	05:15	1.43	0.00	0.05
PWOPRSES0001525	CONDUIT	0.216	0	05:15	1.20	0.02	0.11
PWOPRSES0001530	CONDUIT	0.625	0	05:15	1.28	0.04	0.16
PWOPRSES0001534	CONDUIT	1.300	0	05:15	1.57	0.09	0.24
PWOPRSES0001535	CONDUIT	1.191	0	05:15	1.65	0.07	0.21
PWOPRSES0001536	CONDUIT	1.003	0	05:15	1.73	0.06	0.18
PWOPRSES0001537	CONDUIT	1.004	0	05:15	1.69	0.06	0.18
PWOPRSES0001538	CONDUIT	0.216	0	05:15	0.88	0.01	0.13
PWOPRSES0001541	CONDUIT	0.226	0	05:15	1.27	0.02	0.11
PWOPRSES0001542	CONDUIT	0.226	0	05:15	1.32	0.02	0.10
PWOPRSES0001543	CONDUIT	0.331	0	05:15	0.29	0.01	0.26
PWOPRSES0001544	CONDUIT	0.461	0	05:15	0.64	0.02	0.16
PWOPRSES0001545	CONDUIT	0.218	0	05:15	1.20	0.02	0.11
PWOPRSES0001546	CONDUIT	0.871	0	05:15	3.44	0.03	0.13
PWOPRSES0001547	CONDUIT	0.747	0	05:15	1.95	0.06	0.18
PWOPRSES0001548	CONDUIT	0.047	0	05:15	1.90	0.00	0.03
PWOPRSES0001551	CONDUIT	0.748	0	05:15	2.65	0.03	0.15
PWOPRSES0001555	CONDUIT	0.957	0	05:15	4.63	0.03	0.12
PWOPRSES0001556	CONDUIT	1.026	0	05:15	3.28	0.03	0.16
PWOPRSES0001557	CONDUIT	0.350	0	05:15	2.64	0.00	0.09
PWOPRSES0001558	CONDUIT	2.451	0	05:15	1.73	0.12	0.33
PWOPRSES0001559	CONDUIT	2.416	0	05:15	3.90	0.07	0.25
PWOPRSES0001564	CONDUIT	1.026	0	05:15	2.77	0.03	0.21
PWOPRSES0001565	CONDUIT	3.974	0	05:15	2.07	0.29	0.41
PWOPRSES0001566	CONDUIT	2.900	0	05:15	1.65	0.19	0.39
PWOPRSES0001567	CONDUIT	0.054	0	05:15	1.12	0.00	0.03
PWOPRSES0001571	CONDUIT	0.000	0	00:00	0.00	0.00	0.04
PWOPRSES0001572	CONDUIT	2.130	0	05:15	4.19	0.10	0.22
PWOPRSES0001575	CONDUIT	1.802	0	05:15	1.33	0.11	0.33
PWOPRSES0001576	CONDUIT	0.504	0	05:15	0.97	0.06	0.22
PWOPRSES0001577	CONDUIT	1.300	0	05:15	1.44	0.07	0.25

PWOPRSES0001579	CONDUIT	0.153	0	05:15	1.67	0.01	0.07
PWOPRSES0001580	CONDUIT	0.189	0	05:15	1.89	0.01	0.07
PWOPRSES0001581	CONDUIT	0.189	0	05:15	1.48	0.01	0.08
PWOPRSES0001582	CONDUIT	0.230	0	05:15	1.44	0.02	0.10
PWOPRSES0001583	CONDUIT	0.000	0	00:00	0.00	0.00	0.02
PWOPRSES0001584	CONDUIT	0.109	0	05:15	1.78	0.00	0.05
PWOPRSES0001585	CONDUIT	0.230	0	05:15	1.26	0.02	0.11
PWOPRSES0001586	CONDUIT	0.165	0	05:15	1.46	0.01	0.08
PWOPRSES0001587	CONDUIT	0.338	0	05:15	1.59	0.02	0.12
PWOPRSES0001633	CONDUIT	0.241	0	05:15	1.51	0.03	0.10
PWOPRSES0001634	CONDUIT	0.039	0	05:15	1.02	0.00	0.04
PWOPRSES0001654	CONDUIT	1.478	0	05:15	1.83	0.16	0.30
PWOPRSES0001655	CONDUIT	1.889	0	05:15	2.71	0.14	0.27
PWOPRSES0001656	CONDUIT	1.974	0	05:15	2.97	0.15	0.26
PWOPRSES0001658	CONDUIT	1.390	0	05:15	1.75	0.16	0.30
PWOPRSES0001660	CONDUIT	1.619	0	05:15	1.80	0.20	0.33
PWOPRSES0001662	CONDUIT	0.193	0	05:15	1.67	0.01	0.08
PWOPRSES0001663	CONDUIT	0.193	0	05:15	1.47	0.02	0.09
PWOPRSES0001667	CONDUIT	2.453	0	05:15	2.48	0.17	0.35
PWOPRSES0001679	CONDUIT	0.123	0	05:15	1.56	0.01	0.06
PWOPRSES0001680	CONDUIT	0.345	0	05:15	2.44	0.01	0.09
PWOPRSES0001681	CONDUIT	0.301	0	05:15	3.37	0.01	0.07
PWOPRSES0001682	CONDUIT	0.841	0	05:15	1.96	0.08	0.19
PWOPRSES0001684	CONDUIT	0.179	0	05:15	1.39	0.01	0.08
PWOPRSES0001687	CONDUIT	0.105	0	05:15	2.02	0.00	0.05
PWOPRSES0001688	CONDUIT	0.475	0	05:15	2.81	0.02	0.10
PWOPRSES0001698	CONDUIT	0.475	0	05:15	2.49	0.02	0.11
PWOPRSES0001699	CONDUIT	0.475	0	05:15	2.42	0.02	0.11
PWOPRSES0001711	CONDUIT	0.370	0	05:15	1.55	0.04	0.13
PWOPRSES0001712	CONDUIT	0.200	0	05:15	1.82	0.01	0.09
PWOPRSES0001713	CONDUIT	0.616	0	05:15	1.37	0.06	0.20
PWOPRSES0001718	CONDUIT	0.378	0	05:15	1.27	0.06	0.17
PWOPRSES0001720	CONDUIT	0.102	0	05:15	1.19	0.01	0.06
PWOPRSES0001721	CONDUIT	0.239	0	05:15	1.30	0.02	0.11
PWOPRSES0001724	CONDUIT	3.271	0	05:15	1.78	0.22	0.40
PWOPRSES0001725	CONDUIT	3.270	0	05:15	1.85	0.17	0.40
PWOPRSES0001728	CONDUIT	3.410	0	05:15	2.06	0.17	0.38
PWOPRSES0001730	CONDUIT	4.055	0	05:15	3.80	0.22	0.28
PWOPRSES0001732	CONDUIT	0.101	0	05:15	1.49	0.01	0.05
PWOPRSES0001733	CONDUIT	0.646	0	05:15	1.31	0.17	0.21
PWOPRSES0001744	CONDUIT	1.545	0	05:15	1.72	0.15	0.33
PWOPRSES0001745	CONDUIT	1.152	0	05:15	3.10	0.04	0.18
PWOPRSES0001747	CONDUIT	0.057	0	05:15	1.78	0.00	0.03
PWOPRSES0001748	CONDUIT	1.288	0	05:15	1.87	0.07	0.27
PWOPRSES0001750	CONDUIT	1.937	0	05:15	1.57	0.15	0.42
PWOPRSES0001753	CONDUIT	1.912	0	05:15	1.72	0.13	0.38
PWOPRSES0001754	CONDUIT	0.057	0	05:15	0.98	0.00	0.05
PWOPRSES0001755	CONDUIT	1.516	0	05:15	1.68	0.17	0.33
PWOPRSES0001756	CONDUIT	1.545	0	05:15	1.86	0.17	0.31
PWOPRSES0001757	CONDUIT	1.508	0	05:15	1.88	0.16	0.30
PWOPRSES0001758	CONDUIT	0.058	0	05:15	1.01	0.00	0.05
PWOPRSES0001759	CONDUIT	1.590	0	05:15	1.92	0.13	0.31
PWOPRSES0001760	CONDUIT	1.642	0	05:15	2.15	0.15	0.29
PWOPRSES0001761	CONDUIT	0.190	0	05:15	1.19	0.02	0.10
PWOPRSES0001765A	CONDUIT	0.521	0	05:15	1.15	0.06	0.20
PWOPRSES0001765B	CONDUIT	1.038	0	05:15	1.90	0.11	0.23
PWOPRSES0001766	CONDUIT	0.518	0	05:15	2.40	0.03	0.12

PWOPRSES0001768	CONDUIT	0.319	0	05:15	1.83	0.02	0.10
PWOPRSES0001770	CONDUIT	0.380	0	05:15	1.61	0.03	0.13
PWOPRSES0001771	CONDUIT	0.248	0	05:15	2.75	0.01	0.07
PWOPRSES0001774	CONDUIT	2.123	0	05:10	1.17	0.25	0.51
PWOPRSES0001775	CONDUIT	3.663	0	05:14	1.38	0.03	0.40
PWOPRSES0001776	CONDUIT	0.637	0	05:15	0.82	0.07	0.34
PWOPRSES0001777	CONDUIT	0.198	0	05:15	1.15	0.02	0.11
PWOPRSES0001778	CONDUIT	0.371	0	05:15	1.19	0.05	0.16
PWOPRSES0001779	CONDUIT	2.626	0	05:15	2.37	0.04	0.29
PWOPRSES0001780	CONDUIT	0.244	0	05:15	1.31	0.02	0.11
PWOPRSES0001781	CONDUIT	0.000	0	00:00	0.00	0.00	0.05
PWOPRSES0001782	CONDUIT	0.352	0	05:15	1.30	0.03	0.14
PWOPRSES0001783	CONDUIT	0.176	0	05:15	1.27	0.02	0.09
PWOPRSES0001784	CONDUIT	3.381	0	05:15	2.29	0.34	0.48
PWOPRSES0001785	CONDUIT	2.287	0	05:16	2.27	0.20	0.36
PWOPRSES0001786	CONDUIT	0.343	0	05:15	1.50	0.03	0.14
PWOPRSES0001790	CONDUIT	0.160	0	05:14	1.06	0.02	0.11
PWOPRSES0001791	CONDUIT	0.314	0	05:18	1.61	0.03	0.19
PWOPRSES0001797	CONDUIT	3.378	0	05:16	2.23	0.45	0.49
PWOPRSES0001798	CONDUIT	3.412	0	05:16	4.40	0.06	0.17
PWOPRSES0001803	CONDUIT	0.233	0	05:13	0.55	0.03	0.20
PWOPRSES0001806	CONDUIT	0.767	0	05:15	2.30	0.06	0.16
PWOPRSES0001807	CONDUIT	1.942	0	05:15	1.75	0.17	0.29
PWOPRSES0001808	CONDUIT	0.067	0	05:15	1.14	0.00	0.05
PWOPRSES0001809	CONDUIT	0.707	0	05:15	1.91	0.06	0.18
PWOPRSES0001810	CONDUIT	0.000	0	00:00	0.00	0.00	0.03
PWOPRSES0001812	CONDUIT	0.766	0	05:15	1.40	0.06	0.23
PWOPRSES0001819	CONDUIT	0.398	0	05:15	2.24	0.02	0.11
PWOPRSES0001821	CONDUIT	0.576	0	05:15	2.26	0.04	0.14
PWOPRSES0001822	CONDUIT	0.178	0	05:15	2.70	0.01	0.05
PWOPRSES0001823	CONDUIT	0.726	0	05:15	1.48	0.08	0.21
PWOPRSES0001824	CONDUIT	1.967	0	05:15	1.84	0.25	0.37
PWOPRSES0001825	CONDUIT	1.098	0	05:15	1.80	0.13	0.25
PWOPRSES0001826	CONDUIT	0.760	0	05:15	1.37	0.18	0.23
PWOPRSES0001827	CONDUIT	1.153	0	05:15	1.66	0.13	0.27
PWOPRSES0001828	CONDUIT	1.181	0	05:15	1.60	0.11	0.29
PWOPRSES0001829	CONDUIT	3.280	0	05:15	1.47	0.06	0.28
PWOPRSES0001840	CONDUIT	0.723	0	05:16	1.46	0.06	0.29
PWOPRSES0001841	CONDUIT	2.005	0	05:16	2.45	0.11	0.38
PWOPRSES0001842	CONDUIT	1.085	0	05:19	2.04	0.04	0.30
PWOPRSES0001844	CONDUIT	0.096	0	05:15	1.36	0.00	0.07
PWOPRSES0001845	CONDUIT	0.228	0	05:15	1.58	0.02	0.09
PWOPRSES0001855	CONDUIT	0.740	0	05:15	2.85	0.03	0.14
PWOPRSES0001856	CONDUIT	0.289	0	05:15	2.81	0.01	0.07
PWOPRSES0001861	CONDUIT	0.068	0	05:15	1.21	0.00	0.05
PWOPRSES0001862	CONDUIT	0.222	0	05:15	1.95	0.01	0.08
PWOPRSES0001865	CONDUIT	0.408	0	05:15	1.62	0.04	0.13
PWOPRSES0001866	CONDUIT	0.341	0	05:15	3.20	0.01	0.07
PWOPRSES0001868	CONDUIT	0.268	0	05:15	0.84	0.03	0.16
PWOPRSES0001890	CONDUIT	0.516	0	05:15	2.23	0.03	0.13
PWOPRSES0001891	CONDUIT	0.475	0	05:15	1.99	0.03	0.13
PWOPRSES0001892	CONDUIT	0.181	0	05:15	1.03	0.02	0.10
PWOPRSES0001895	CONDUIT	0.321	0	05:15	2.02	0.02	0.10
PWOPRSES0001896	CONDUIT	0.334	0	05:15	2.34	0.02	0.09
PWOPRSES0001897	CONDUIT	0.334	0	05:15	2.02	0.01	0.10
PWOPRSES0001899	CONDUIT	0.241	0	05:15	1.74	0.01	0.09
PWOPRSES0001900	CONDUIT	0.241	0	05:15	1.73	0.01	0.09

PWOPRSES0001904	CONDUIT	0.474	0	05:15	1.34	0.04	0.20
PWOPRSES0001905	CONDUIT	1.246	0	05:15	1.55	0.13	0.32
PWOPRSES0001906	CONDUIT	0.710	0	05:15	1.10	0.07	0.26
PWOPRSES0001919	CONDUIT	0.000	0	00:00	0.00	0.00	0.04
PWOPRSES0001930	CONDUIT	0.292	0	05:15	1.37	0.03	0.12
PWOPRSES0001931	CONDUIT	0.589	0	05:15	1.44	0.09	0.19
PWOPRSES0001932	CONDUIT	0.000	0	00:00	0.00	0.00	0.01
PWOPRSES0001941	CONDUIT	0.644	0	05:15	2.72	0.03	0.13
PWOPRSES0001942	CONDUIT	0.471	0	05:15	2.93	0.02	0.10
PWOPRSES0001943	CONDUIT	0.471	0	05:15	1.71	0.04	0.14
PWOPRSES0001944	CONDUIT	0.471	0	05:15	1.76	0.04	0.14
PWOPRSES0001951	CONDUIT	0.000	0	00:00	0.00	0.00	0.06
PWOPRSES0001952	CONDUIT	0.330	0	05:15	1.51	0.03	0.12
PWOPRSES0001960	CONDUIT	0.330	0	05:15	1.54	0.03	0.12
PWOPRSES0001961	CONDUIT	0.587	0	05:15	2.48	0.03	0.13
PWOPRSES0001962	CONDUIT	0.775	0	05:15	1.36	0.07	0.24
PWOPRSES0001963	CONDUIT	0.258	0	05:15	1.64	0.01	0.12
PWOPRSES0001968	CONDUIT	0.258	0	05:15	3.81	0.01	0.05
PWOPRSES0001972	CONDUIT	0.268	0	05:15	1.21	0.03	0.12
PWOPRSES0001976	CONDUIT	4.119	0	05:16	2.40	0.34	0.38
PWOPRSES0001977	CONDUIT	0.519	0	05:15	1.82	0.04	0.15
PWOPRSES0001978	CONDUIT	4.785	0	05:15	2.91	0.12	0.28
PWOPRSES0001979	CONDUIT	0.519	0	05:15	1.96	0.03	0.14
PWOPRSES0001984	CONDUIT	4.025	0	05:16	2.27	0.29	0.39
PWOPRSES0002119	CONDUIT	0.359	0	05:15	1.45	0.04	0.13
PWOPRSES0002120	CONDUIT	0.417	0	05:15	1.30	0.03	0.16
PWOPRSES0002121	CONDUIT	0.359	0	05:15	1.17	0.05	0.15
PWOPRSES0002122	CONDUIT	0.522	0	05:15	1.65	0.04	0.16
PWOPRSES0003435	CONDUIT	1.102	0	05:15	2.66	0.05	0.19
PWOPRSES0003436	CONDUIT	1.117	0	05:15	2.05	0.10	0.23
PWOPRSES0003439	CONDUIT	0.000	0	00:00	0.00	0.00	0.02
PWOPRSES0003446	CONDUIT	0.923	0	05:15	1.58	0.14	0.24
PWOPRSES0003447	CONDUIT	0.923	0	05:15	4.07	0.03	0.12
PWOPRSES0003448	CONDUIT	0.923	0	05:15	2.64	0.04	0.17
PWOPRSES0003449	CONDUIT	1.047	0	05:15	3.36	0.05	0.16
PWOPRSES0003457	CONDUIT	0.380	0	05:15	1.49	0.03	0.14
PWOPRSES0003465	CONDUIT	0.227	0	05:15	2.20	0.01	0.07
PWOPRSES0003466	CONDUIT	0.673	0	05:15	1.51	0.06	0.20
PWOPRSES0004584	CONDUIT	0.464	0	05:15	2.91	0.02	0.10
PWOPRSES0004585	CONDUIT	0.464	0	05:15	2.30	0.01	0.12
PWOPRSES0004586	CONDUIT	0.504	0	05:15	2.06	0.03	0.13
PWOPRSES0004587	CONDUIT	0.239	0	05:15	1.25	0.02	0.11
PWOPRSES0004588	CONDUIT	0.523	0	05:15	1.72	0.05	0.15
PWOPRSES0004589	CONDUIT	0.310	0	05:15	2.04	0.01	0.10
PWOPRSES0004590	CONDUIT	0.544	0	05:15	1.91	0.03	0.15
PWOPRSES0004591	CONDUIT	1.493	0	05:15	1.97	0.07	0.22
PWOPRSES0004592	CONDUIT	1.672	0	05:15	2.12	0.08	0.23
PWOPRSES0004593	CONDUIT	0.180	0	05:15	1.56	0.01	0.10
PWOPRSES0004594	CONDUIT	1.866	0	05:15	1.58	0.09	0.30
PWOPRSES0004597	CONDUIT	0.000	0	00:00	0.00	0.00	0.02
PWOPRSES0004603	CONDUIT	0.261	0	05:15	1.64	0.02	0.10
PWOPRSES0004637	CONDUIT	0.416	0	05:15	2.77	0.02	0.09
PWOPRSES0005529	CONDUIT	0.007	0	05:15	0.52	0.00	0.04
PWOPRSES0005530	CONDUIT	0.004	0	05:15	0.74	0.00	0.01
PWOPRSES0005531	CONDUIT	0.294	0	05:15	1.13	0.05	0.14
PWOPRSES0005532	CONDUIT	0.323	0	05:15	0.97	0.02	0.24
PWOPRSES0005534	CONDUIT	2.287	0	05:15	2.22	0.25	0.36

PWOPRSES0005535	CONDUIT	0.032	0	05:15	0.83	0.00	0.04
PWOPRSES0005536	CONDUIT	0.093	0	05:15	1.76	0.00	0.05
PWOPRSES0005537	CONDUIT	0.093	0	05:15	1.67	0.00	0.06
PWOPRSES0005539	CONDUIT	0.096	0	05:15	1.16	0.01	0.06
PWOPRSES0005540	CONDUIT	0.277	0	05:15	1.62	0.02	0.10
PWOPRSES0005541	CONDUIT	0.277	0	05:15	1.99	0.02	0.09
PWOPRSES0005710	CONDUIT	4.151	0	05:15	3.16	0.04	0.18
PWOPRSES0005734	CONDUIT	0.014	0	05:15	0.52	0.00	0.12
PWOPRSES0005735	CONDUIT	1.003	0	05:15	1.91	0.10	0.22
PWOPRSES0005736	CONDUIT	0.961	0	05:15	2.64	0.06	0.17
PWOPRSES0005739	CONDUIT	0.617	0	05:15	2.35	0.02	0.14
PWOPRSES0005744	CONDUIT	0.331	0	05:15	1.37	0.01	0.13
PWOPRSES0005766	CONDUIT	1.079	0	05:15	2.18	0.09	0.21
PWOPRSES0005767	CONDUIT	1.117	0	05:15	2.18	0.10	0.22
PWOPRSES0005768	CONDUIT	1.181	0	05:15	2.31	0.10	0.22
PWOPRSES0005769	CONDUIT	1.424	0	05:15	0.64	0.02	0.40
PWOPRSES0005770	CONDUIT	0.192	0	05:15	1.42	0.02	0.09
PWOPRSES0005771	CONDUIT	0.212	0	05:15	1.26	0.01	0.11
PWOPRSES0006537	CONDUIT	0.056	0	05:15	0.48	0.01	0.08
PWOPRSES0006538	CONDUIT	0.000	0	00:00	0.00	0.00	0.05
PWOPRSES0006542	CONDUIT	0.071	0	05:15	0.92	0.01	0.06
PWOPRSES0006547	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
PWOPRSES0006548	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
PWOPRSES0006549	CONDUIT	0.306	0	05:15	1.58	0.03	0.11
PWOPRSES0006550	CONDUIT	0.371	0	05:15	1.46	0.04	0.13
PWOPRSES0006551	CONDUIT	0.168	0	05:15	1.35	0.01	0.08
PWOPRSES0006552	CONDUIT	0.606	0	05:15	1.56	0.06	0.18
PWOPRSES0006553	CONDUIT	1.137	0	05:15	1.31	0.04	0.18
PWOPRSES0006554	CONDUIT	0.285	0	05:15	1.75	0.01	0.11
PWOPRSES0006555	CONDUIT	0.120	0	05:15	0.91	0.01	0.10
PWOPRSES0006576	CONDUIT	0.182	0	05:15	1.34	0.02	0.09
PWOPRSES0006577	CONDUIT	0.237	0	05:15	1.47	0.02	0.10
STMEasement	CONDUIT	0.388	0	05:15	1.14	0.04	0.17
SWMPOND_OUT	CONDUIT	2.405	0	05:13	0.89	0.06	0.44

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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
1	1.00	0.71	0.00	0.00	0.25	0.04	0.00	0.00	0.97	0.00
10	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.84	0.00
11	1.00	0.30	0.00	0.00	0.69	0.01	0.00	0.00	0.05	0.00
12	1.00	0.61	0.01	0.00	0.33	0.06	0.00	0.00	0.97	0.00
13	1.00	0.41	0.00	0.00	0.50	0.10	0.00	0.00	0.02	0.00
14	1.00	0.30	0.20	0.00	0.50	0.00	0.00	0.00	0.99	0.00
15	1.00	0.59	0.02	0.00	0.31	0.09	0.00	0.00	0.90	0.00
16	1.00	0.00	0.63	0.00	0.35	0.02	0.00	0.00	0.98	0.00
17	1.00	0.00	0.59	0.00	0.41	0.00	0.00	0.00	0.96	0.00
18	1.00	0.00	0.00	0.00	0.92	0.07	0.00	0.00	0.96	0.00
19	1.00	0.00	0.00	0.00	0.60	0.40	0.00	0.00	0.82	0.00
2	1.00	0.36	0.36	0.00	0.28	0.00	0.00	0.00	0.97	0.00

20	1.00	0.00	0.00	0.00	0.74	0.25	0.00	0.00	0.81	0.00
21	1.00	0.00	0.00	0.00	0.96	0.03	0.00	0.00	0.04	0.00
22	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.63	0.00
23	1.00	0.00	0.00	0.00	0.90	0.09	0.00	0.00	0.01	0.00
24	1.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00	0.96	0.00
25	1.00	0.55	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	1.00	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.23	0.00
27	1.00	0.55	0.00	0.00	0.40	0.05	0.00	0.00	0.23	0.00
28	1.00	0.65	0.06	0.00	0.12	0.17	0.00	0.00	0.89	0.00
29	1.00	0.46	0.00	0.00	0.35	0.19	0.00	0.00	0.15	0.00
3	1.00	0.36	0.00	0.00	0.63	0.01	0.00	0.00	0.04	0.00
30	1.00	0.39	0.08	0.00	0.33	0.20	0.00	0.00	0.97	0.00
31	1.00	0.38	0.01	0.00	0.53	0.08	0.00	0.00	0.28	0.00
32	1.00	0.31	0.00	0.00	0.54	0.15	0.00	0.00	0.00	0.00
33	1.00	0.41	0.02	0.00	0.37	0.20	0.00	0.00	0.77	0.00
34	1.00	0.40	0.01	0.00	0.38	0.20	0.00	0.00	0.63	0.00
35	1.00	0.00	0.40	0.00	0.59	0.01	0.00	0.00	0.97	0.00
36	1.00	0.71	0.00	0.00	0.19	0.10	0.00	0.00	0.04	0.00
37	1.00	0.00	0.70	0.00	0.29	0.00	0.00	0.00	0.85	0.00
38	1.00	0.57	0.08	0.00	0.29	0.05	0.00	0.00	0.99	0.00
39	1.00	0.46	0.12	0.00	0.28	0.15	0.00	0.00	0.60	0.00
4	1.00	0.61	0.07	0.00	0.23	0.09	0.00	0.00	0.92	0.00
40	1.00	0.45	0.01	0.00	0.33	0.21	0.00	0.00	0.84	0.00
41	1.00	0.00	0.00	0.00	0.85	0.14	0.00	0.00	0.99	0.00
43	1.00	0.76	0.00	0.00	0.24	0.00	0.00	0.00	0.22	0.00
44	1.00	0.00	0.00	0.00	0.76	0.24	0.00	0.00	0.77	0.00
45	1.00	0.79	0.00	0.00	0.00	0.21	0.00	0.00	0.10	0.00
46	10.96	0.99	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
47	1.00	0.00	0.01	0.00	0.67	0.32	0.00	0.00	0.08	0.00
48	1.00	0.68	0.01	0.00	0.24	0.07	0.00	0.00	0.85	0.00
49	1.00	0.98	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00
5	1.00	0.43	0.19	0.00	0.36	0.02	0.00	0.00	0.90	0.00
50	1.00	0.00	0.58	0.00	0.31	0.11	0.00	0.00	0.83	0.00
51	1.00	0.93	0.00	0.00	0.00	0.07	0.00	0.00	0.04	0.00
52	1.00	0.40	0.37	0.00	0.17	0.05	0.00	0.00	0.89	0.00
53	1.20	0.99	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
54	1.00	0.67	0.14	0.00	0.12	0.06	0.00	0.00	0.89	0.00
55	1.00	0.95	0.00	0.00	0.00	0.05	0.00	0.00	0.03	0.00
56	1.00	0.97	0.00	0.00	0.00	0.03	0.00	0.00	0.02	0.00
57	1.00	0.61	0.06	0.00	0.27	0.05	0.00	0.00	0.91	0.00
58	1.00	0.71	0.06	0.00	0.22	0.01	0.00	0.00	0.79	0.00
59	1.00	0.89	0.00	0.00	0.00	0.11	0.00	0.00	0.07	0.00
6	1.00	0.43	0.00	0.00	0.56	0.01	0.00	0.00	0.41	0.00
60	1.00	0.71	0.03	0.00	0.18	0.07	0.00	0.00	0.77	0.00
61	1.00	0.94	0.00	0.00	0.00	0.06	0.00	0.00	0.02	0.00
62	1.00	0.87	0.00	0.00	0.00	0.13	0.00	0.00	0.04	0.00
63	1.00	0.31	0.25	0.00	0.42	0.02	0.00	0.00	0.81	0.00
64	1.27	0.87	0.00	0.00	0.00	0.13	0.00	0.00	0.09	0.00
65	1.17	0.00	0.00	0.00	0.53	0.47	0.00	0.00	0.30	0.00
66	1.49	0.75	0.00	0.00	0.00	0.25	0.00	0.00	0.12	0.00
67	1.68	0.75	0.00	0.00	0.00	0.25	0.00	0.00	0.15	0.00
68	1.46	0.00	0.00	0.00	0.96	0.03	0.00	0.00	0.69	0.00
7	1.00	0.00	0.01	0.00	0.96	0.03	0.00	0.00	0.99	0.00
70	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
8	1.00	0.00	0.00	0.00	0.94	0.05	0.00	0.00	0.00	0.00
9	1.00	0.00	0.67	0.00	0.32	0.00	0.00	0.00	0.93	0.00
PWOPRSES0001498	1.00	0.00	0.00	0.00	0.03	0.04	0.00	0.92	0.00	0.00

PWOPRSES0001507	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001510	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001511	1.00	0.00	0.00	0.00	0.00	0.09	0.00	0.91	0.00	0.00
PWOPRSES0001512	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001515	1.00	0.99	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001516	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001518	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001519	1.00	0.82	0.00	0.00	0.02	0.00	0.00	0.16	0.00	0.00
PWOPRSES0001520	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001521	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001522	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001524	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001525	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001530	1.00	0.83	0.00	0.00	0.15	0.00	0.00	0.02	0.15	0.00
PWOPRSES0001534	1.00	0.82	0.00	0.00	0.04	0.00	0.00	0.13	0.00	0.00
PWOPRSES0001535	1.00	0.82	0.00	0.00	0.18	0.00	0.00	0.00	0.18	0.00
PWOPRSES0001536	1.00	0.82	0.00	0.00	0.02	0.00	0.00	0.16	0.00	0.00
PWOPRSES0001537	1.00	0.82	0.00	0.00	0.10	0.00	0.00	0.08	0.00	0.00
PWOPRSES0001538	1.00	0.82	0.00	0.00	0.17	0.00	0.00	0.00	1.00	0.00
PWOPRSES0001541	1.00	0.00	0.83	0.00	0.15	0.02	0.00	0.00	0.96	0.00
PWOPRSES0001542	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001543	1.00	0.00	0.81	0.00	0.18	0.01	0.00	0.00	0.99	0.00
PWOPRSES0001544	1.00	0.40	0.40	0.00	0.20	0.00	0.00	0.00	0.98	0.00
PWOPRSES0001545	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001546	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001547	1.00	0.00	0.00	0.00	0.00	0.07	0.00	0.93	0.00	0.00
PWOPRSES0001548	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001551	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.00	0.00
PWOPRSES0001555	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001556	1.00	0.00	0.82	0.00	0.00	0.17	0.00	0.00	1.00	0.00
PWOPRSES0001557	1.65	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0001558	1.00	0.00	0.00	0.00	0.18	0.00	0.00	0.82	0.00	0.00
PWOPRSES0001559	1.00	0.00	0.81	0.00	0.01	0.18	0.00	0.00	1.00	0.00
PWOPRSES0001564	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0001565	1.00	0.81	0.00	0.00	0.19	0.00	0.00	0.00	0.83	0.00
PWOPRSES0001566	1.00	0.00	0.00	0.00	0.06	0.00	0.00	0.94	0.00	0.00
PWOPRSES0001567	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001571	1.00	0.92	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001572	1.00	0.00	0.00	0.00	0.81	0.18	0.00	0.00	0.00	0.00
PWOPRSES0001575	1.00	0.31	0.50	0.00	0.19	0.00	0.00	0.00	0.88	0.00
PWOPRSES0001576	1.00	0.81	0.02	0.00	0.17	0.00	0.00	0.00	0.90	0.00
PWOPRSES0001577	1.00	0.81	0.01	0.00	0.18	0.00	0.00	0.00	0.94	0.00
PWOPRSES0001579	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001580	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001581	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001582	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001583	1.12	0.99	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001584	1.13	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001585	1.00	0.00	0.00	0.00	0.96	0.04	0.00	0.00	0.92	0.00
PWOPRSES0001586	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001587	1.00	0.83	0.00	0.00	0.09	0.08	0.00	0.00	0.98	0.00
PWOPRSES0001633	1.00	0.00	0.82	0.00	0.08	0.10	0.00	0.00	0.82	0.00
PWOPRSES0001634	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001654	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001655	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001656	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001658	1.00	0.00	0.82	0.00	0.18	0.00	0.00	0.00	0.90	0.00

PWOPRSES0001660	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001662	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001663	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001667	1.00	0.00	0.00	0.00	0.00	0.05	0.00	0.95	0.01	0.00
PWOPRSES0001679	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001680	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001681	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001682	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001684	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001687	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
PWOPRSES0001688	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001698	1.00	0.00	0.82	0.00	0.01	0.16	0.00	0.00	0.93	0.00
PWOPRSES0001699	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0001711	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001712	1.51	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0001713	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.97	0.00	0.00
PWOPRSES0001718	1.00	0.00	0.82	0.00	0.17	0.00	0.00	0.00	0.83	0.00
PWOPRSES0001720	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001721	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001724	1.00	0.82	0.00	0.00	0.18	0.00	0.00	0.00	0.09	0.00
PWOPRSES0001725	1.00	0.82	0.00	0.00	0.02	0.00	0.00	0.16	0.00	0.00
PWOPRSES0001728	1.00	0.82	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.00
PWOPRSES0001730	1.00	0.82	0.00	0.00	0.12	0.06	0.00	0.00	0.00	0.00
PWOPRSES0001732	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001733	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001744	1.00	0.00	0.00	0.00	0.02	0.01	0.00	0.97	0.00	0.00
PWOPRSES0001745	1.16	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001747	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001748	1.00	0.00	0.00	0.00	0.01	0.02	0.00	0.96	0.03	0.00
PWOPRSES0001750	1.00	0.00	0.00	0.00	0.05	0.06	0.00	0.89	0.00	0.00
PWOPRSES0001753	1.00	0.00	0.82	0.00	0.05	0.13	0.00	0.00	0.90	0.00
PWOPRSES0001754	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001755	1.00	0.00	0.00	0.00	0.02	0.07	0.00	0.91	0.00	0.00
PWOPRSES0001756	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001757	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.99	0.00	0.00
PWOPRSES0001758	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001759	1.00	0.00	0.00	0.00	0.01	0.08	0.00	0.90	0.00	0.00
PWOPRSES0001760	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001761	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001765A	1.00	0.00	0.82	0.00	0.17	0.00	0.00	0.00	0.99	0.00
PWOPRSES0001765B	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001766	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001768	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001770	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001771	1.20	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0001774	1.00	0.81	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001775	1.00	0.30	0.52	0.00	0.18	0.00	0.00	0.00	0.97	0.00
PWOPRSES0001776	1.00	0.00	0.00	0.00	0.17	0.00	0.00	0.82	0.16	0.00
PWOPRSES0001777	1.00	0.00	0.00	0.00	0.02	0.06	0.00	0.92	0.01	0.00
PWOPRSES0001778	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001779	1.00	0.81	0.00	0.00	0.17	0.00	0.00	0.02	0.17	0.00
PWOPRSES0001780	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
PWOPRSES0001781	1.00	0.92	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001782	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001783	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001784	1.00	0.00	0.00	0.00	0.02	0.03	0.00	0.95	0.00	0.00
PWOPRSES0001785	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00

PWOPRSES0001786	2.09	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0001790	1.00	0.00	0.00	0.00	0.01	0.05	0.00	0.93	0.00	0.00
PWOPRSES0001791	1.00	0.00	0.82	0.00	0.10	0.08	0.00	0.00	0.83	0.00
PWOPRSES0001797	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001798	1.00	0.81	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.00
PWOPRSES0001803	1.00	0.82	0.01	0.00	0.17	0.00	0.00	0.00	0.99	0.00
PWOPRSES0001806	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0001807	1.00	0.82	0.01	0.00	0.17	0.00	0.00	0.00	0.84	0.00
PWOPRSES0001808	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001809	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0001810	1.00	0.99	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001812	1.00	0.00	0.00	0.00	0.03	0.02	0.00	0.95	0.02	0.00
PWOPRSES0001819	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.01	0.00
PWOPRSES0001821	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001822	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001823	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.99	0.00	0.00
PWOPRSES0001824	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001825	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
PWOPRSES0001826	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001827	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.99	0.00	0.00
PWOPRSES0001828	1.00	0.00	0.82	0.00	0.18	0.00	0.00	0.00	0.84	0.00
PWOPRSES0001829	1.00	0.30	0.52	0.00	0.18	0.00	0.00	0.00	0.99	0.00
PWOPRSES0001840	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001841	1.25	0.81	0.01	0.00	0.17	0.00	0.00	0.00	0.98	0.00
PWOPRSES0001842	1.36	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.18	0.00
PWOPRSES0001844	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0001845	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001855	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001856	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001861	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001862	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001865	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001866	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001868	1.00	0.00	0.82	0.00	0.17	0.00	0.00	0.00	0.93	0.00
PWOPRSES0001890	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001891	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001892	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001895	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001896	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001897	1.00	0.00	0.82	0.00	0.02	0.15	0.00	0.00	0.94	0.00
PWOPRSES0001899	1.04	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
PWOPRSES0001900	1.00	0.01	0.00	0.00	0.84	0.15	0.00	0.00	0.15	0.00
PWOPRSES0001904	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.01	0.00
PWOPRSES0001905	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001906	1.00	0.00	0.00	0.00	0.03	0.00	0.00	0.97	0.02	0.00
PWOPRSES0001919	1.00	0.97	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001930	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001931	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001932	1.00	0.99	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001941	1.00	0.00	0.00	0.00	0.00	0.03	0.00	0.97	0.02	0.00
PWOPRSES0001942	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001943	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001944	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001951	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001952	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001960	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001961	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00

PWOPRSES0001962	1.00	0.00	0.00	0.00	0.04	0.00	0.00	0.95	0.01	0.00
PWOPRSES0001963	1.00	0.00	0.00	0.00	0.01	0.01	0.00	0.98	0.01	0.00
PWOPRSES0001968	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001972	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001976	1.00	0.00	0.00	0.00	0.08	0.00	0.00	0.92	0.00	0.00
PWOPRSES0001977	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001978	1.00	0.00	0.79	0.00	0.16	0.05	0.00	0.00	0.95	0.00
PWOPRSES0001979	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001984	1.00	0.00	0.81	0.00	0.19	0.00	0.00	0.00	0.96	0.00
PWOPRSES0002119	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0002120	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0002121	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
PWOPRSES0002122	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0003435	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.00	0.00
PWOPRSES0003436	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0003439	1.00	0.97	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0003446	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0003447	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0003448	1.27	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0003449	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0003457	1.00	0.00	0.83	0.00	0.10	0.07	0.00	0.00	0.94	0.00
PWOPRSES0003465	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0003466	1.00	0.00	0.00	0.00	0.01	0.01	0.00	0.97	0.00	0.00
PWOPRSES0004584	1.04	0.00	0.00	0.00	0.82	0.17	0.00	0.00	0.00	0.00
PWOPRSES0004585	1.00	0.00	0.82	0.00	0.02	0.15	0.00	0.00	1.00	0.00
PWOPRSES0004586	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0004587	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0004588	1.00	0.00	0.83	0.00	0.10	0.07	0.00	0.00	0.83	0.00
PWOPRSES0004589	1.00	0.00	0.82	0.00	0.07	0.10	0.00	0.00	0.99	0.00
PWOPRSES0004590	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0004591	1.00	0.83	0.00	0.00	0.17	0.00	0.00	0.00	0.17	0.00
PWOPRSES0004592	1.00	0.83	0.00	0.00	0.08	0.00	0.00	0.09	0.00	0.00
PWOPRSES0004593	2.35	0.00	0.00	0.00	0.01	0.01	0.00	0.98	0.00	0.00
PWOPRSES0004594	1.00	0.00	0.82	0.00	0.17	0.00	0.00	0.00	1.00	0.00
PWOPRSES0004597	1.00	0.99	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0004603	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0004637	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005529	1.00	0.00	0.00	0.00	0.09	0.01	0.00	0.90	0.09	0.00
PWOPRSES0005530	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005531	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005532	1.00	0.00	0.82	0.00	0.18	0.00	0.00	0.00	1.00	0.00
PWOPRSES0005534	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.99	0.00	0.00
PWOPRSES0005535	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005536	1.15	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005537	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.01	0.00
PWOPRSES0005539	1.00	0.06	0.00	0.00	0.00	0.01	0.00	0.93	0.00	0.00
PWOPRSES0005540	1.42	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005541	1.00	0.00	0.00	0.00	0.91	0.09	0.00	0.00	0.00	0.00
PWOPRSES0005710	1.00	0.78	0.05	0.00	0.16	0.02	0.00	0.00	0.96	0.00
PWOPRSES0005734	1.00	0.00	0.00	0.00	0.10	0.00	0.00	0.90	0.10	0.00
PWOPRSES0005735	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005736	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
PWOPRSES0005739	1.00	0.00	0.83	0.00	0.07	0.10	0.00	0.00	1.00	0.00
PWOPRSES0005744	1.00	0.00	0.83	0.00	0.14	0.03	0.00	0.00	0.99	0.00
PWOPRSES0005766	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005767	1.00	0.00	0.00	0.00	0.00	0.07	0.00	0.93	0.00	0.00
PWOPRSES0005768	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00

PWOPRSES0005769	1.00	0.00	0.81	0.00	0.17	0.01	0.00	0.00	0.99	0.00
PWOPRSES0005770	1.00	0.00	0.83	0.00	0.09	0.08	0.00	0.00	0.00	0.00
PWOPRSES0005771	1.48	0.00	0.00	0.00	0.02	0.04	0.00	0.94	0.01	0.00
PWOPRSES0006537	1.00	0.00	0.83	0.00	0.17	0.00	0.00	0.00	1.00	0.00
PWOPRSES0006538	1.00	0.98	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0006542	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0006547	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0006548	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0006549	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
PWOPRSES0006550	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0006551	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0006552	1.00	0.00	0.00	0.00	0.03	0.07	0.00	0.90	0.00	0.00
PWOPRSES0006553	1.00	0.40	0.39	0.00	0.21	0.00	0.00	0.00	0.97	0.00
PWOPRSES0006554	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.00	0.00
PWOPRSES0006555	1.00	0.00	0.00	0.00	0.02	0.01	0.00	0.97	0.03	0.00
PWOPRSES0006576	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0006577	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
STMEasement	1.00	0.83	0.00	0.00	0.17	0.00	0.00	0.00	1.00	0.00
SWMPOND_OUT	1.00	0.00	0.81	0.00	0.17	0.01	0.00	0.00	0.98	0.00

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*************************
Conduit Surcharge Summary
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No conduits were surcharged.


Analysis begun on:  Wed Jan 26 17:00:34 2022
Analysis ended on:  Wed Jan 26 17:01:24 2022
Total elapsed time: 00:00:50
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EPA STORM WATER MANAGEMENT MODEL - VERSION 5.1 (Build 5.1.013)
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Removal of Forests

WARNING 03: negative offset ignored for Link 1
WARNING 03: negative offset ignored for Link 1
WARNING 03: negative offset ignored for Link 10
WARNING 03: negative offset ignored for Link 10
WARNING 03: negative offset ignored for Link 11
WARNING 03: negative offset ignored for Link 11
WARNING 03: negative offset ignored for Link 12
WARNING 03: negative offset ignored for Link 12
WARNING 03: negative offset ignored for Link 13
WARNING 03: negative offset ignored for Link 13
WARNING 03: negative offset ignored for Link 14
WARNING 03: negative offset ignored for Link 14
WARNING 03: negative offset ignored for Link 15
WARNING 03: negative offset ignored for Link 15
WARNING 03: negative offset ignored for Link 17
WARNING 03: negative offset ignored for Link 17
WARNING 03: negative offset ignored for Link 18
WARNING 03: negative offset ignored for Link 18
WARNING 03: negative offset ignored for Link 19
WARNING 03: negative offset ignored for Link 19
WARNING 03: negative offset ignored for Link 2
WARNING 03: negative offset ignored for Link 2
WARNING 03: negative offset ignored for Link 20
WARNING 03: negative offset ignored for Link 20
WARNING 03: negative offset ignored for Link 21
WARNING 03: negative offset ignored for Link 21
WARNING 03: negative offset ignored for Link 22
WARNING 03: negative offset ignored for Link 22
WARNING 03: negative offset ignored for Link 23
WARNING 03: negative offset ignored for Link 23
WARNING 03: negative offset ignored for Link 24
WARNING 03: negative offset ignored for Link 24
WARNING 03: negative offset ignored for Link 25
WARNING 03: negative offset ignored for Link 25
WARNING 03: negative offset ignored for Link 26
WARNING 03: negative offset ignored for Link 26
WARNING 03: negative offset ignored for Link 27
WARNING 03: negative offset ignored for Link 27
WARNING 03: negative offset ignored for Link 28
WARNING 03: negative offset ignored for Link 28
WARNING 03: negative offset ignored for Link 29
WARNING 03: negative offset ignored for Link 29
WARNING 03: negative offset ignored for Link 3
WARNING 03: negative offset ignored for Link 3
WARNING 03: negative offset ignored for Link 30
WARNING 03: negative offset ignored for Link 30
WARNING 03: negative offset ignored for Link 31
WARNING 03: negative offset ignored for Link 31
WARNING 03: negative offset ignored for Link 32
WARNING 03: negative offset ignored for Link 32
WARNING 03: negative offset ignored for Link 33
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WARNING 03: negative offset ignored for Link 33
WARNING 03: negative offset ignored for Link 34
WARNING 03: negative offset ignored for Link 34
WARNING 03: negative offset ignored for Link 35
WARNING 03: negative offset ignored for Link 35
WARNING 03: negative offset ignored for Link 36
WARNING 03: negative offset ignored for Link 37
WARNING 03: negative offset ignored for Link 37
WARNING 03: negative offset ignored for Link 38
WARNING 03: negative offset ignored for Link 38
WARNING 03: negative offset ignored for Link 39
WARNING 03: negative offset ignored for Link 39
WARNING 03: negative offset ignored for Link 4
WARNING 03: negative offset ignored for Link 4
WARNING 03: negative offset ignored for Link 40
WARNING 03: negative offset ignored for Link 40
WARNING 03: negative offset ignored for Link 41
WARNING 03: negative offset ignored for Link 41
WARNING 03: negative offset ignored for Link 44
WARNING 03: negative offset ignored for Link 44
WARNING 03: negative offset ignored for Link 45
WARNING 03: negative offset ignored for Link 46
WARNING 03: negative offset ignored for Link 47
WARNING 03: negative offset ignored for Link 5
WARNING 03: negative offset ignored for Link 5
WARNING 03: negative offset ignored for Link 51
WARNING 03: negative offset ignored for Link 6
WARNING 03: negative offset ignored for Link 6
WARNING 03: negative offset ignored for Link 7
WARNING 03: negative offset ignored for Link 7
WARNING 03: negative offset ignored for Link 8
WARNING 03: negative offset ignored for Link 8
WARNING 03: negative offset ignored for Link 9
WARNING 03: negative offset ignored for Link 9
WARNING 03: negative offset ignored for Link PWOPRSES0001978
WARNING 02: maximum depth increased for Node 11
WARNING 02: maximum depth increased for Node 13
WARNING 02: maximum depth increased for Node 22
WARNING 02: maximum depth increased for Node 24
WARNING 02: maximum depth increased for Node 36
WARNING 02: maximum depth increased for Node 8
WARNING 02: maximum depth increased for Node 9
WARNING 02: maximum depth increased for Node PWOPRMHS0001401
WARNING 02: maximum depth increased for Node PWOPRMHS0001402
WARNING 02: maximum depth increased for Node PWOPRMHS0001602
WARNING 02: maximum depth increased for Node PWOPRMHS0001611
WARNING 02: maximum depth increased for Node PWOPRMHS0001662
WARNING 02: maximum depth increased for Node PWOPRMHS0001670
WARNING 02: maximum depth increased for Node PWOPRMHS0001688
WARNING 02: maximum depth increased for Node PWOPRMHS0004129
WARNING 02: maximum depth increased for Node PWOPRMHS0004130
WARNING 02: maximum depth increased for Node PWOPRMHS0004141
WARNING 02: maximum depth increased for Node PWOPRMHS0005230
WARNING 02: maximum depth increased for Node PWOPRMHS0005930
WARNING 02: maximum depth increased for Node PWOPRMHS0005931
WARNING 02: maximum depth increased for Node PWOPRMHS0005945
WARNING 02: maximum depth increased for Node SWMPOND
```

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

****************
Analysis Options
****************
Flow Units ............... CMS
Process Models:
  Rainfall/Runoff ........ YES
  RDII ................... NO
  Snowmelt ............... NO
  Groundwater ............ NO
  Flow Routing ........... YES
  Ponding Allowed ........ NO
  Water Quality .......... NO
Infiltration Method ...... GREEN_AMPT
Flow Routing Method ...... DYNWAVE
Surcharge Method ......... EXTRAN
Starting Date ............ 09/01/2021 00:00:00
Ending Date .............. 09/04/2021 00:00:00
Antecedent Dry Days ...... 0.0
Report Time Step ......... 00:05:00
Wet Time Step ............ 00:05:00
Dry Time Step ............ 00:15:00
Routing Time Step ........ 1.00 sec
Variable Time Step ....... YES
Maximum Trials ........... 8
Number of Threads ........ 4
Head Tolerance ........... 0.001500 m


**************************        Volume         Depth
Runoff Quantity Continuity     hectare-m            mm
**************************     ---------       -------
Total Precipitation ......       166.278        97.810
Outfall Runon ............      1724.867      1014.620
Evaporation Loss .........         1.989         1.170
Infiltration Loss ........        87.670        51.570
Surface Runoff ...........      1801.741      1059.840
Final Storage ............         0.000         0.000
Continuity Error (%) .....        -0.013


**************************        Volume        Volume
Flow Routing Continuity        hectare-m      10^6 ltr
**************************     ---------     ---------
Dry Weather Inflow .......         0.000         0.000
Wet Weather Inflow .......      1801.741     18017.596
Groundwater Inflow .......         0.000         0.000
RDII Inflow ..............         0.000         0.000
External Inflow ..........         0.000         0.000
External Outflow .........      1801.661     18016.800
Flooding Loss ............         0.000         0.000
```

```
Evaporation Loss .........         0.017         0.168
Exfiltration Loss ........         0.000         0.000
Initial Stored Volume ....         0.000         0.001
Final Stored Volume ......         0.011         0.110
Continuity Error (%) .....         0.003


*************************
Highest Continuity Errors
*************************
Node PWOPRMHS0001611 (1.73%)


***************************
Time-Step Critical Elements
***************************
Link 65 (6.88%)


********************************
Highest Flow Instability Indexes
********************************
Link 44 (12)
Link 65 (5)
Link 23 (2)
Link 36 (2)
Link 45 (2)

*************************
Routing Time Step Summary
*************************
Minimum Time Step           :     0.16 sec
Average Time Step           :     1.00 sec
Maximum Time Step           :     1.00 sec
Percent in Steady State     :    -0.00
Average Iterations per Step :     2.02
Percent Not Converging      :     0.02


***************************
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
A1	97.81	50.28	0.76	72.57	7.31	67.55	74.86	6.27	1.49	0.505
A1.1	97.81	0.00	1.16	32.32	29.73	34.69	64.42	27.58	4.78	0.659
A1.1_FRST	97.81	0.00	1.07	38.11	29.73	29.00	58.73	2.14	0.39	0.600
A2	97.81	73.06	0.81	78.83	8.45	82.86	91.30	10.49	1.76	0.534
A2.1	97.81	0.00	0.83	50.42	19.18	27.48	46.65	6.02	1.29	0.477
A2.1_FRST	97.81	0.00	0.76	54.76	19.18	23.20	42.38	1.39	0.31	0.433
A2.2	97.81	0.00	1.10	36.69	32.61	27.53	60.13	5.08	0.93	0.615
A2.2_FRST	97.81	0.00	0.98	44.48	32.60	19.86	52.46	1.17	0.23	0.536

A3	97.81	267.07	1.10	117.56	18.15	228.13	246.28	139.82	10.01	0.675
A3.1	97.81	0.00	1.03	36.45	21.10	39.31	60.41	3.89	0.71	0.618
A3.1_FRST	97.81	0.00	0.80	53.65	21.10	22.35	43.45	5.73	1.26	0.444
A3.2	97.81	0.00	1.14	35.75	34.53	26.51	61.04	19.73	3.53	0.624
A3.2_FRST	97.81	0.00	1.03	42.29	34.53	20.07	54.60	4.04	0.76	0.558
A3.3	97.81	0.00	1.07	36.46	22.06	38.29	60.35	42.38	7.58	0.617
A3.3_FRST	97.81	0.00	0.80	54.85	22.06	20.19	42.24	7.24	1.53	0.432
A4	97.81	2683.22	2.10	181.48	138.92	2458.71	2597.63	2611.07	102.13	0.934
A4.1	97.81	0.00	0.98	36.50	19.17	41.26	60.43	0.62	0.12	0.618
A4.1_FRST	97.81	0.00	0.80	47.76	19.17	30.23	49.40	2.73	0.58	0.505
A4.2	97.81	0.00	1.12	33.22	27.81	35.73	63.55	6.23	1.10	0.650
A4.2_FRST	97.81	0.00	0.98	44.07	27.81	25.04	52.86	8.54	1.67	0.540
A4.3	97.81	0.00	1.48	21.43	58.50	16.54	75.04	35.24	5.47	0.767
A4.3_FRST	97.81	0.00	1.38	27.82	58.50	10.24	68.74	5.57	0.90	0.703
A4.4_FRST	97.81	0.00	0.79	55.54	25.90	15.68	41.57	7.75	1.63	0.425
A4.5	97.81	0.00	1.13	33.18	27.81	35.77	63.58	69.18	12.11	0.650
A4.5_FRST	97.81	0.00	1.04	39.53	27.81	29.53	57.34	8.61	1.60	0.586
A4.6	97.81	0.00	1.29	31.43	49.87	15.35	65.22	97.15	16.39	0.667
A4.6_FRST	97.81	0.00	1.24	34.55	49.87	12.28	62.14	37.76	6.45	0.635
B1	97.81	40.21	0.99	49.14	6.80	81.21	88.01	2.71	0.78	0.638
B1.1	97.81	0.00	0.99	36.90	19.17	40.84	60.01	0.60	0.11	0.614
B1.1_FRST	97.81	0.00	0.99	36.90	19.17	40.84	60.01	2.22	0.41	0.614
B2	97.81	1473.48	1.10	55.28	78.47	1437.87	1516.33	44.15	9.27	0.965
B2.1	97.81	0.00	0.89	41.37	10.54	45.09	55.63	3.61	0.71	0.569
B2.1_FRST	97.81	0.00	0.89	41.37	10.54	45.09	55.63	4.49	0.89	0.569
C1	97.81	5313.86	0.86	86.75	270.49	5057.85	5328.34	168.12	32.42	0.985
C1.1	97.81	0.00	1.50	21.45	58.48	16.50	74.98	92.46	14.33	0.767
C1.1_FRST	97.81	0.00	1.45	24.35	58.49	13.65	72.14	2.01	0.32	0.738
D1	97.81	994.36	0.99	94.52	54.51	942.59	997.10	131.17	17.77	0.913
D1.1	97.81	0.00	1.38	29.11	58.48	8.96	67.44	80.81	12.96	0.690
D1.1_FRST	97.81	0.00	1.45	24.70	58.48	13.30	71.79	21.78	3.45	0.734
D2	97.81	0.00	0.83	67.39	4.79	24.82	29.61	5.20	0.69	0.303
D2.1	97.81	0.00	1.29	33.60	51.76	11.26	63.02	32.92	5.46	0.644
D2.1_FRST	97.81	0.00	1.32	31.63	51.76	13.20	64.96	12.36	2.04	0.664
D3	97.81	16799.61	1.55	154.03	844.77	15898.60	16743.37	939.63	47.31	0.991
D3.1	97.81	0.00	1.37	28.75	57.54	10.28	67.82	24.49	3.96	0.693
D4	97.81	11542.03	1.42	134.33	581.90	10923.53	11505.43	404.99	21.89	0.988
D4.1	97.81	0.00	1.29	32.84	50.81	12.97	63.78	14.93	2.50	0.652
D4.1_FRST	97.81	0.00	1.30	32.37	50.81	13.45	64.26	8.77	1.46	0.657
E1	97.81	279938.49	2.36	265.61	14001.90	265776.66	279778.56	8192.16	228.12	0.999
E1.1	97.81	0.00	0.85	50.97	22.06	24.03	46.09	8.30	1.75	0.471
E1.1_FRST	97.81	0.00	0.84	50.26	22.06	24.74	46.79	15.37	3.23	0.478
E2	97.81	572530.08	2.35	173.43	28631.19	543827.81	572459.00	4498.35	123.75	1.000
E2.1	97.81	0.00	0.99	37.83	18.22	40.85	59.07	5.48	1.02	0.604
E2.1_FRST	97.81	0.00	0.88	44.55	18.21	34.29	52.51	0.46	0.09	0.537
E3	97.81	0.00	0.54	77.61	4.79	14.89	19.69	2.76	0.58	0.201
E3.1	97.81	0.00	0.79	52.11	21.09	23.92	45.01	10.27	2.29	0.460
E3.1_FRST	97.81	0.00	0.84	46.72	21.09	29.27	50.37	6.58	1.38	0.515
HC01-01	97.81	0.00	0.90	46.78	27.52	22.73	50.25	3.13	0.64	0.514
HC01-02	97.81	0.00	0.86	48.82	23.78	24.48	48.26	1.10	0.23	0.493
HC01-03	97.81	0.00	0.86	48.95	23.78	24.35	48.12	0.58	0.12	0.492
HC01-04	97.81	0.00	0.76	53.54	18.60	25.02	43.62	1.09	0.25	0.446
HC01-05	97.81	0.00	0.85	48.76	23.78	24.56	48.33	1.21	0.26	0.494
HC01-06	97.81	0.00	0.86	48.95	23.78	24.35	48.12	0.64	0.14	0.492
HC01-07	97.81	0.00	0.87	49.62	23.78	23.63	47.41	0.33	0.07	0.485
HC01-08	97.81	0.00	0.86	48.87	23.78	24.43	48.21	0.25	0.05	0.493
HC01-09	97.81	0.00	0.86	49.24	23.78	24.03	47.81	0.32	0.07	0.489

HC01-10	97.81	0.00	0.86	48.96	23.78	24.34	48.11	0.55	0.12	0.492
HC01-11	97.81	0.00	0.86	49.22	23.78	24.05	47.83	0.66	0.14	0.489
HC01-12	97.81	0.00	0.90	44.43	23.78	28.83	52.61	1.63	0.33	0.538
HC02-01	97.81	0.00	1.06	40.51	35.77	20.60	56.37	0.21	0.04	0.576
HC02-02	97.81	0.00	1.30	30.60	48.33	17.70	66.03	1.43	0.24	0.675
HC02-03	97.81	0.00	1.16	35.64	41.43	19.69	61.13	0.12	0.02	0.625
HC02-04	97.81	0.00	0.92	44.90	27.99	24.15	52.14	0.21	0.04	0.533
HC02-05	97.81	0.00	0.70	54.86	14.19	28.19	42.38	1.25	0.30	0.433
HC02-06	97.81	0.00	0.72	54.83	14.57	27.80	42.38	0.76	0.18	0.433
HC02-07	97.81	0.00	0.69	57.49	12.27	27.45	39.72	0.31	0.07	0.406
HC02-08	97.81	0.00	0.65	58.24	11.12	27.91	39.03	0.49	0.12	0.399
HC02-09	97.81	0.00	0.70	57.15	13.04	27.00	40.04	0.35	0.08	0.409
HC02-10	97.81	0.00	0.67	58.05	11.89	27.30	39.19	0.37	0.09	0.401
HC02-11	97.81	0.00	0.69	56.61	13.04	27.58	40.62	0.61	0.15	0.415
HC02-12	97.81	0.00	0.68	58.97	11.89	26.34	38.23	0.82	0.19	0.391
HC02-13	97.81	0.00	0.66	58.82	11.12	27.31	38.43	0.32	0.08	0.393
HC02-14	97.81	0.00	0.65	58.20	11.50	27.56	39.06	0.36	0.09	0.399
HC02-15	97.81	0.00	0.68	56.46	12.65	28.14	40.80	0.65	0.16	0.417
HC02-16	97.81	0.00	0.55	63.04	13.42	20.91	34.33	0.18	0.05	0.351
HC02-17	97.81	0.00	0.74	51.76	12.65	32.76	45.41	1.07	0.24	0.464
HC02-18	97.81	0.00	0.55	62.86	13.42	21.10	34.52	1.32	0.35	0.353
HC02-19	97.81	0.00	0.61	66.00	13.81	17.45	31.26	0.48	0.11	0.320
HC02-20	97.81	0.00	1.01	41.05	33.75	22.16	55.90	0.25	0.05	0.572
HC02-21	97.81	0.00	0.71	56.25	13.81	27.14	40.95	1.44	0.34	0.419
HC02-22	97.81	0.00	0.71	56.25	13.81	27.14	40.95	1.22	0.29	0.419
HC02-23	97.81	0.00	1.15	35.70	41.04	20.04	61.09	0.24	0.04	0.625
HC02-24	97.81	0.00	1.39	24.39	55.98	16.21	72.20	0.05	0.01	0.738
HC02-25	97.81	0.00	1.19	33.24	44.01	19.51	63.52	0.72	0.13	0.649
HC02-26	97.81	0.00	1.33	27.12	52.54	16.97	69.51	0.24	0.04	0.711
HC02-27	97.81	0.00	0.62	59.49	17.26	20.58	37.83	0.28	0.07	0.387
HC02-28	97.81	0.00	0.62	59.73	17.25	20.31	37.57	0.21	0.05	0.384
HC02-29	97.81	0.00	1.01	43.36	38.36	15.19	53.55	0.28	0.05	0.547
HC02-30	97.81	0.00	0.35	76.80	1.15	19.57	20.72	0.31	0.10	0.212
HC02-31	97.81	0.00	0.59	61.84	14.57	20.91	35.49	0.86	0.22	0.363
HC02-32	97.81	0.00	0.56	62.36	13.80	21.20	35.00	0.75	0.20	0.358
HC02-33	97.81	0.00	0.60	62.92	14.57	19.79	34.36	0.29	0.07	0.351
HC02-34	97.81	0.00	0.76	53.01	24.92	19.23	44.16	0.13	0.03	0.451
HC02-35	97.81	0.00	0.34	74.72	1.53	21.31	22.85	0.23	0.08	0.234
HC02-36	97.81	0.00	0.39	69.18	5.37	23.09	28.45	0.13	0.04	0.291
HC02-37	97.81	0.00	0.39	69.92	4.98	22.65	27.64	0.28	0.09	0.283
HC02-38	97.81	0.00	0.70	57.21	13.04	26.95	39.99	1.24	0.29	0.409
HC02-39	97.81	0.00	0.70	61.05	11.12	25.00	36.13	0.32	0.07	0.369
HC03-01	97.81	0.00	1.01	40.96	30.69	25.26	55.95	1.25	0.24	0.572
HC03-02	97.81	0.00	0.71	54.51	14.57	28.17	42.74	0.34	0.08	0.437
HC03-03	97.81	0.00	0.75	51.72	18.02	27.54	45.57	0.06	0.01	0.466
HC03-04	97.81	0.00	0.76	52.30	18.02	26.86	44.88	0.46	0.10	0.459
HC03-05	97.81	0.00	1.05	39.62	35.28	22.02	57.30	0.19	0.04	0.586
HC03-06	97.81	0.00	0.69	55.92	13.23	28.11	41.34	2.13	0.52	0.423
HC03-07	97.81	0.00	0.72	54.80	14.57	27.84	42.41	0.77	0.18	0.434
HC03-08	97.81	0.00	0.56	62.20	14.86	20.32	35.18	1.53	0.40	0.360
HC03-09	97.81	0.00	0.71	57.31	22.34	17.55	39.89	0.77	0.18	0.408
HC03-10	97.81	0.00	0.51	65.16	11.50	20.75	32.25	0.55	0.15	0.330
HC03-11	97.81	0.00	0.59	61.76	15.82	19.75	35.57	0.89	0.23	0.364
HC03-12	97.81	0.00	0.58	64.91	13.42	18.97	32.39	0.38	0.10	0.331
HC03-13	97.81	0.00	0.65	59.08	18.02	20.17	38.20	0.15	0.04	0.391
HC03-14	97.81	0.00	1.36	27.14	56.01	13.45	69.46	0.09	0.01	0.710
HC03-15	97.81	0.00	0.55	63.58	13.04	20.75	33.78	0.21	0.06	0.345

HC03-16	97.81	0.00	0.69	57.56	20.33	19.33	39.66	0.12	0.03	0.405
HC03-17	97.81	0.00	1.04	39.58	35.28	22.08	57.36	0.07	0.01	0.586
HC03-18	97.81	0.00	1.48	21.14	61.37	13.97	75.34	0.08	0.01	0.770
HC03-19	97.81	0.00	0.58	60.07	8.05	29.29	37.34	2.94	0.77	0.382
HC03-20	97.81	0.00	0.52	65.54	2.30	29.54	31.84	0.48	0.14	0.326
HC04-01	97.81	0.00	0.82	49.97	17.26	29.85	47.11	1.69	0.36	0.482
HC04-02	97.81	0.00	0.54	64.11	13.32	19.93	33.26	0.22	0.06	0.340
HC04-03	97.81	0.00	0.56	63.66	14.29	19.40	33.69	0.40	0.11	0.344
HC04-04	97.81	0.00	0.82	50.30	17.26	29.51	46.77	2.47	0.52	0.478
HC04-05	97.81	0.00	0.61	60.56	16.87	19.87	36.75	0.23	0.06	0.376
HC04-06	97.81	0.00	0.62	61.58	16.87	18.82	35.70	0.38	0.09	0.365
HC04-07	97.81	0.00	0.99	44.14	36.83	15.96	52.79	0.05	0.01	0.540
HC04-08	97.81	0.00	0.58	63.07	14.86	19.39	34.25	0.12	0.03	0.350
HC04-09	97.81	0.00	0.62	61.28	16.87	19.13	36.00	0.19	0.05	0.368
HC04-10	97.81	0.00	0.63	61.68	16.88	18.70	35.58	0.22	0.05	0.364
HC04-11	97.81	0.00	0.58	62.18	16.01	19.15	35.16	0.32	0.08	0.359
HC04-12	97.81	0.00	0.55	64.76	12.65	19.94	32.59	0.72	0.19	0.333
HC04-13	97.81	0.00	0.60	62.24	14.57	20.49	35.06	0.11	0.03	0.358
HC04-14	97.81	0.00	0.72	57.68	13.42	26.06	39.49	1.10	0.25	0.404
HC04-15	97.81	0.00	0.70	56.48	13.42	27.31	40.73	1.59	0.38	0.416
HC04-16	97.81	0.00	0.72	54.98	14.57	27.65	42.23	0.19	0.05	0.432
HC04-17	97.81	0.00	0.75	53.74	16.87	26.57	43.44	0.98	0.23	0.444
HC04-18	97.81	0.00	0.82	52.08	20.23	24.78	45.01	0.12	0.03	0.460
HC04-19	97.81	0.00	0.65	58.07	11.50	27.69	39.19	0.51	0.13	0.401
HC04-20	97.81	0.00	0.65	57.74	11.50	28.05	39.55	0.22	0.06	0.404
HC04-21	97.81	0.00	0.74	53.69	16.49	27.03	43.52	0.07	0.02	0.445
HC04-22	97.81	0.00	0.77	52.61	18.41	26.14	44.55	0.10	0.02	0.455
HC04-23	97.81	0.00	0.72	53.56	16.87	26.83	43.70	0.24	0.06	0.447
HC04-24	97.81	0.00	0.69	55.36	13.80	28.11	41.91	0.05	0.01	0.429
HC04-25	97.81	0.00	0.75	51.35	13.04	32.80	45.83	0.36	0.08	0.469
HC04-26	97.81	0.00	0.59	68.34	12.28	16.66	28.94	0.21	0.05	0.296
HC04-27	97.81	0.00	0.64	58.82	10.35	28.11	38.47	0.14	0.03	0.393
HC04-28	97.81	0.00	0.59	62.18	14.57	20.56	35.14	0.26	0.07	0.359
HC04-29	97.81	0.00	0.75	51.52	13.04	32.61	45.65	1.65	0.37	0.467
HC04-30	97.81	0.00	0.75	51.17	13.42	32.58	46.00	0.89	0.20	0.470
HC04-31	97.81	0.00	0.80	52.33	26.85	17.93	44.78	0.21	0.05	0.458
HC04-32	97.81	0.00	0.60	62.51	14.57	20.21	34.79	0.12	0.03	0.356
HC04-33	97.81	0.00	0.55	63.77	13.04	20.54	33.58	0.38	0.10	0.343
HC04-34	97.81	0.00	0.41	70.77	5.37	21.36	26.73	0.41	0.13	0.273
HC04-35	97.81	0.00	0.55	64.11	13.04	20.19	33.23	0.16	0.04	0.340
HC04-36	97.81	0.00	1.02	38.93	31.16	26.85	58.01	1.70	0.32	0.593
HC05-01	97.81	0.00	0.70	52.47	11.50	33.27	44.78	2.68	0.62	0.458
HC05-02	97.81	0.00	0.72	52.44	11.89	32.89	44.77	1.45	0.33	0.458
HC05-03	97.81	0.00	1.63	14.54	72.86	8.92	81.77	0.09	0.01	0.836
HC05-04	97.81	0.00	0.50	66.15	10.74	20.53	31.26	0.15	0.04	0.320
HC05-05	97.81	0.00	0.61	62.98	14.38	19.91	34.29	0.32	0.08	0.351
HC05-06	97.81	0.00	0.60	61.06	16.11	20.15	36.26	0.15	0.04	0.371
HC05-07	97.81	0.00	0.54	64.31	12.65	20.40	33.05	0.24	0.06	0.338
HC05-08	97.81	0.00	0.55	64.13	13.04	20.17	33.21	0.73	0.19	0.340
HC05-09	97.81	0.00	0.57	66.57	12.66	18.07	30.73	0.08	0.02	0.314
HC05-10	97.81	0.00	0.61	59.65	16.87	20.82	37.69	0.13	0.03	0.385
HC05-11	97.81	0.00	0.39	70.12	4.98	22.45	27.43	0.87	0.27	0.280
HC06-01	97.81	0.00	0.72	54.91	14.57	27.72	42.29	0.14	0.03	0.432
HC06-02	97.81	0.00	0.73	56.12	14.19	26.85	41.04	0.27	0.06	0.420
HC06-03	97.81	0.00	0.52	70.89	0.00	26.45	26.45	0.39	0.10	0.270
HC06-04	97.81	0.00	0.50	68.50	0.38	28.50	28.89	0.32	0.09	0.295
HC06-05	97.81	0.00	0.65	58.42	10.35	28.49	38.84	0.14	0.03	0.397

HC06-06	97.81	0.00	0.67	56.82	12.27	28.17	40.44	0.63	0.16	0.413
HC06-07	97.81	0.00	0.70	52.28	10.74	34.26	44.99	0.18	0.04	0.460
HC06-08	97.81	0.00	0.70	55.50	13.80	27.95	41.75	1.73	0.42	0.427
HC06-09	97.81	0.00	0.67	56.26	12.46	28.58	41.04	1.07	0.26	0.420
HC06-10	97.81	0.00	0.67	56.66	12.27	28.34	40.61	0.97	0.24	0.415
HC06-11	97.81	0.00	0.81	48.14	16.87	32.14	49.01	0.11	0.02	0.501
HC06-12	97.81	0.00	0.90	43.89	23.77	29.39	53.17	0.11	0.02	0.544
HC06-13	97.81	0.00	1.22	32.91	49.09	14.74	63.83	0.18	0.03	0.653
HC06-14	97.81	0.00	0.80	51.72	22.05	23.34	45.40	0.82	0.18	0.464
HC06-15	97.81	0.00	1.73	10.38	76.72	9.10	85.82	0.10	0.01	0.877
HC06-16	97.81	0.00	1.53	18.57	64.26	13.62	77.87	0.22	0.03	0.796
HC06-17	97.81	0.00	0.78	53.35	21.10	22.68	43.78	0.67	0.15	0.448
HC06-18	97.81	0.00	1.30	29.97	53.13	13.54	66.67	1.77	0.29	0.682
HC06-19	97.81	0.00	1.71	10.34	76.69	9.14	85.83	0.03	0.00	0.878
HC06-20	97.81	0.00	1.73	10.38	76.72	9.11	85.83	0.18	0.03	0.877
HC06-21	97.81	0.00	1.60	20.47	64.18	11.67	75.85	0.96	0.15	0.775
HC06-22	97.81	0.00	1.72	10.35	76.70	9.14	85.84	0.05	0.01	0.878
HC06-23	97.81	0.00	1.61	17.61	67.10	11.62	78.72	1.18	0.18	0.805
HC06-24	97.81	0.00	1.72	10.36	76.71	9.13	85.83	0.10	0.01	0.878
HC06-25	97.81	0.00	0.80	48.09	16.87	32.20	49.08	1.64	0.35	0.502
HC06-26	97.81	0.00	0.76	55.21	24.55	17.38	41.93	1.11	0.24	0.429
HC06-27	97.81	0.00	1.64	14.59	72.88	8.84	81.72	0.13	0.02	0.835
HC06-28	97.81	0.00	1.78	10.47	76.69	8.99	85.68	0.17	0.02	0.876
HC06-29	97.81	0.00	0.66	56.50	7.67	33.06	40.73	0.51	0.12	0.416
HC06-30	97.81	0.00	1.26	29.74	46.03	20.92	66.95	0.22	0.04	0.685
HC06-31	97.81	0.00	0.32	73.65	1.53	22.43	23.97	0.43	0.15	0.245
HC06-32	97.81	0.00	0.41	72.14	4.98	20.35	25.33	0.34	0.10	0.259
HC07-01	97.81	0.00	0.64	62.92	16.49	17.82	34.32	1.04	0.24	0.351
HC07-02	97.81	0.00	0.64	60.58	18.03	18.65	36.67	0.42	0.10	0.375
HC07-03	97.81	0.00	0.58	61.79	14.57	20.99	35.56	0.13	0.03	0.364
HC07-04	97.81	0.00	0.52	65.72	11.12	20.53	31.65	0.11	0.03	0.324
HC07-05	97.81	0.00	0.62	65.96	14.58	16.71	31.29	0.09	0.02	0.320
HC07-06	97.81	0.00	0.59	65.44	13.42	18.43	31.85	0.66	0.16	0.326
HC07-07	97.81	0.00	0.56	64.23	13.42	19.68	33.11	0.13	0.03	0.338
HC07-08	97.81	0.00	1.37	31.92	55.18	9.43	64.62	0.12	0.02	0.661
HC07-09	97.81	0.00	0.59	61.36	16.87	19.13	36.01	0.09	0.02	0.368
HC08-01	97.81	0.00	0.81	49.51	16.49	31.10	47.59	0.33	0.07	0.487
HC08-02	97.81	0.00	0.85	48.49	18.03	30.53	48.56	1.13	0.24	0.496
HC08-03	97.81	0.00	0.60	63.18	14.57	19.53	34.10	0.68	0.17	0.349
HC08-04	97.81	0.00	0.74	54.38	11.12	31.65	42.77	0.30	0.07	0.437
HC08-05	97.81	0.00	0.79	49.58	14.57	32.98	47.56	0.31	0.07	0.486
HC08-06	97.81	0.00	0.76	51.51	13.42	32.22	45.64	0.54	0.12	0.467
HC08-07	97.81	0.00	0.76	51.39	13.42	32.34	45.77	0.25	0.06	0.468
HC08-08	97.81	0.00	1.42	22.87	55.24	18.41	73.65	0.30	0.05	0.753
HC08-09	97.81	0.00	0.84	48.20	16.88	31.99	48.87	0.87	0.18	0.500
HC08-10	97.81	0.00	0.55	59.26	1.53	36.61	38.14	0.50	0.13	0.390
HC09-01	97.81	0.00	0.67	61.58	19.18	16.45	35.63	0.34	0.08	0.364
HC09-02	97.81	0.00	0.55	64.85	13.42	19.08	32.50	0.33	0.09	0.332
HC09-03	97.81	0.00	0.58	63.85	14.57	18.89	33.47	0.32	0.08	0.342
HC09-04	97.81	0.00	0.50	66.48	10.74	20.18	30.92	0.79	0.22	0.316
HC09-05	97.81	0.00	0.52	65.32	11.89	20.18	32.07	0.83	0.23	0.328
HC09-06	97.81	0.00	0.51	65.54	11.50	20.35	31.86	0.39	0.11	0.326
HC09-07	97.81	0.00	0.46	68.19	7.67	21.58	29.25	0.14	0.04	0.299
HC10-01	97.81	0.00	0.52	65.84	11.79	19.75	31.54	1.41	0.39	0.322
HC10-02	97.81	0.00	0.82	52.49	27.14	17.45	44.59	1.13	0.24	0.456
HC10-03	97.81	0.00	0.80	54.91	25.80	16.38	42.18	0.78	0.16	0.431
HC10-04	97.81	0.00	0.57	62.64	14.86	19.85	34.71	0.64	0.17	0.355

HC10-05	97.81	0.00	0.57	65.63	13.62	18.07	31.68	0.76	0.19	0.324
HC10-06	97.81	0.00	0.54	66.02	11.89	19.44	31.33	0.42	0.11	0.320
HC10-07	97.81	0.00	0.59	62.16	15.82	19.34	35.16	0.60	0.15	0.359
HC10-08	97.81	0.00	0.55	62.63	14.28	20.49	34.78	0.41	0.11	0.356
HC10-09	97.81	0.00	0.52	65.96	11.70	19.71	31.41	0.44	0.12	0.321
HC10-10	97.81	0.00	0.55	63.08	14.28	20.00	34.28	0.10	0.03	0.351
HC10-11	97.81	0.00	0.64	58.72	18.69	19.91	38.60	0.10	0.03	0.395
HC10-12	97.81	0.00	0.34	73.53	2.30	21.74	24.04	0.22	0.07	0.246
HC10-13	97.81	0.00	0.60	63.39	15.34	18.56	33.90	0.20	0.05	0.347
HC10-14	97.81	0.00	0.59	62.10	15.63	19.61	35.23	0.16	0.04	0.360
HC10-15	97.81	0.00	0.58	61.56	15.82	19.97	35.79	0.14	0.04	0.366

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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
1	JUNCTION	0.02	0.66	333.30	0 05:15	0.66
11	JUNCTION	0.20	1.01	317.62	0 07:44	1.01
12	JUNCTION	0.21	1.08	316.58	0 05:19	1.08
13	JUNCTION	0.29	1.46	315.96	0 05:19	1.46
14	JUNCTION	0.03	0.63	331.73	0 05:15	0.63
15	JUNCTION	0.38	1.73	315.68	0 09:59	1.68
17	JUNCTION	0.21	0.94	312.94	0 13:07	0.94
18	JUNCTION	0.04	1.16	323.66	0 05:15	1.15
19	JUNCTION	0.02	0.52	324.02	0 05:17	0.52
2	JUNCTION	0.08	1.82	325.82	0 05:15	1.82
20	JUNCTION	0.04	0.69	330.79	0 05:15	0.69
21	JUNCTION	0.13	0.88	321.98	0 05:15	0.88
22	JUNCTION	0.05	1.57	323.07	0 05:12	1.51
24	JUNCTION	0.13	2.28	322.78	0 05:17	2.27
25	JUNCTION	0.06	1.88	322.99	0 05:16	1.69
26	JUNCTION	0.00	0.00	327.93	0 00:00	0.00
27	JUNCTION	0.05	1.11	327.61	0 05:15	1.11
28	JUNCTION	0.09	0.95	327.05	0 05:15	0.95
29	JUNCTION	0.05	0.65	324.54	0 05:38	0.65
3	JUNCTION	0.05	1.02	331.59	0 05:15	1.02
30	JUNCTION	0.10	0.70	321.20	0 05:18	0.70
31	JUNCTION	0.09	0.62	320.77	0 05:19	0.62
32	JUNCTION	0.10	0.70	319.70	0 05:19	0.70
34	JUNCTION	0.11	0.72	318.59	0 05:20	0.72
35	JUNCTION	0.11	0.73	318.23	0 05:21	0.73
36	JUNCTION	0.10	0.72	316.22	0 05:17	0.72
37	JUNCTION	0.02	0.64	324.74	0 05:15	0.64
39	JUNCTION	0.17	1.27	322.57	0 07:41	1.27
4	JUNCTION	0.01	0.17	325.17	0 05:15	0.17
40	JUNCTION	0.06	1.03	320.13	0 05:15	1.03
42	JUNCTION	0.04	0.77	322.87	0 05:19	0.77
48	JUNCTION	0.07	1.02	325.62	0 05:15	1.02
49	JUNCTION	0.14	1.11	322.71	0 07:50	1.11
5	JUNCTION	0.04	0.67	330.17	0 06:08	0.67
50	JUNCTION	0.13	0.86	318.96	0 06:15	0.86

53	JUNCTION	0.35	1.60	315.70	0	10:00	1.60
54	JUNCTION	0.31	1.34	315.26	0	11:36	1.33
56	JUNCTION	0.47	1.83	302.93	0	13:10	1.83
6	JUNCTION	0.05	0.92	329.92	0	05:15	0.92
7	JUNCTION	0.24	1.31	319.41	0	07:15	1.31
8	JUNCTION	0.17	2.75	323.72	0	05:13	2.74
9	JUNCTION	0.14	2.31	322.71	0	05:15	2.29
MHEasement1	JUNCTION	0.01	0.26	319.33	0	05:15	0.26
MHEasement2	JUNCTION	0.02	0.41	319.11	0	05:15	0.41
MHSchool	JUNCTION	0.02	0.47	329.02	0	05:15	0.47
MHSWM4	JUNCTION	0.02	0.65	319.90	0	05:15	0.64
PWOPRMHS0001369	JUNCTION	0.02	0.40	319.79	0	05:15	0.40
PWOPRMHS0001370	JUNCTION	0.01	0.22	319.49	0	05:15	0.22
PWOPRMHS0001371	JUNCTION	0.00	0.11	319.93	0	05:15	0.11
PWOPRMHS0001372	JUNCTION	0.00	0.00	320.15	0	00:00	0.00
PWOPRMHS0001373	JUNCTION	0.00	0.13	320.15	0	05:15	0.13
PWOPRMHS0001374	JUNCTION	0.01	0.20	319.89	0	05:15	0.20
PWOPRMHS0001375	JUNCTION	0.01	0.21	319.78	0	05:15	0.21
PWOPRMHS0001386	JUNCTION	0.03	0.49	319.10	0	05:15	0.49
PWOPRMHS0001387	JUNCTION	0.02	0.53	319.28	0	05:15	0.53
PWOPRMHS0001388	JUNCTION	0.02	0.46	319.39	0	05:15	0.46
PWOPRMHS0001389	JUNCTION	0.01	0.39	319.52	0	05:15	0.39
PWOPRMHS0001390	JUNCTION	0.01	0.15	317.64	0	05:15	0.15
PWOPRMHS0001391	JUNCTION	0.01	0.19	317.46	0	05:15	0.19
PWOPRMHS0001392	JUNCTION	0.00	0.10	318.28	0	05:15	0.10
PWOPRMHS0001393	JUNCTION	0.02	0.36	320.55	0	05:15	0.36
PWOPRMHS0001394	JUNCTION	0.01	0.20	317.06	0	05:16	0.20
PWOPRMHS0001395	JUNCTION	0.01	0.22	317.01	0	05:15	0.22
PWOPRMHS0001398	JUNCTION	0.01	0.22	317.49	0	05:15	0.22
PWOPRMHS0001399	JUNCTION	0.01	0.21	317.36	0	05:15	0.21
PWOPRMHS0001400	JUNCTION	0.01	0.22	317.21	0	05:15	0.21
PWOPRMHS0001401	JUNCTION	0.01	0.17	316.84	0	05:15	0.17
PWOPRMHS0001402	JUNCTION	0.01	0.26	316.76	0	05:15	0.26
PWOPRMHS0001403	JUNCTION	0.01	0.36	322.06	0	05:15	0.36
PWOPRMHS0001404	JUNCTION	0.01	0.30	320.84	0	05:15	0.30
PWOPRMHS0001408	JUNCTION	0.01	0.28	321.11	0	05:15	0.28
PWOPRMHS0001409	JUNCTION	0.00	0.12	327.93	0	05:15	0.12
PWOPRMHS0001410	JUNCTION	0.02	0.63	327.10	0	05:15	0.63
PWOPRMHS0001411	JUNCTION	0.01	0.20	327.67	0	05:15	0.20
PWOPRMHS0001412	JUNCTION	0.01	0.13	331.82	0	05:15	0.13
PWOPRMHS0001413	JUNCTION	0.01	0.26	332.00	0	05:15	0.26
PWOPRMHS0001415	JUNCTION	0.02	0.39	320.07	0	05:15	0.39
PWOPRMHS0001416	JUNCTION	0.03	0.78	319.77	0	05:15	0.78
PWOPRMHS0001418	JUNCTION	0.03	0.90	319.63	0	05:15	0.90
PWOPRMHS0001419	JUNCTION	0.01	0.17	320.16	0	05:15	0.17
PWOPRMHS0001420	JUNCTION	0.01	0.14	320.64	0	05:15	0.14
PWOPRMHS0001421	JUNCTION	0.00	0.14	321.08	0	05:15	0.14
PWOPRMHS0001422	JUNCTION	0.01	0.22	320.50	0	05:15	0.22
PWOPRMHS0001423	JUNCTION	0.01	0.19	320.62	0	05:15	0.19
PWOPRMHS0001424	JUNCTION	0.01	0.16	321.12	0	05:15	0.16
PWOPRMHS0001428	JUNCTION	0.00	0.00	323.21	0	00:00	0.00
PWOPRMHS0001429	JUNCTION	0.00	0.13	321.48	0	05:15	0.13
PWOPRMHS0001430	JUNCTION	0.00	0.00	321.23	0	00:00	0.00
PWOPRMHS0001431	JUNCTION	0.00	0.00	323.01	0	00:00	0.00
PWOPRMHS0001433	JUNCTION	0.00	0.15	319.93	0	04:43	0.15
PWOPRMHS0001435	JUNCTION	0.00	0.08	319.72	0	05:15	0.08
PWOPRMHS0001436	JUNCTION	0.04	1.11	319.46	0	05:15	1.11

PWOPRMHS0001437	JUNCTION	0.01	0.38	319.76	0	05:15	0.38
PWOPRMHS0001438	JUNCTION	0.03	0.96	319.16	0	05:15	0.96
PWOPRMHS0001467	JUNCTION	0.01	0.21	321.13	0	05:15	0.21
PWOPRMHS0001597	JUNCTION	0.00	0.00	324.78	0	00:00	0.00
PWOPRMHS0001598	JUNCTION	0.01	0.27	325.76	0	05:15	0.27
PWOPRMHS0001600	JUNCTION	0.01	0.26	324.92	0	05:15	0.26
PWOPRMHS0001601	JUNCTION	0.01	0.18	326.33	0	05:15	0.18
PWOPRMHS0001602	JUNCTION	0.01	0.19	326.17	0	04:45	0.19
PWOPRMHS0001603	JUNCTION	0.01	0.34	324.57	0	05:15	0.34
PWOPRMHS0001604	JUNCTION	0.02	0.50	324.45	0	05:15	0.50
PWOPRMHS0001605	JUNCTION	0.01	0.23	324.57	0	05:15	0.23
PWOPRMHS0001606	JUNCTION	0.03	0.89	324.46	0	05:15	0.89
PWOPRMHS0001608	JUNCTION	0.03	0.82	326.49	0	05:15	0.82
PWOPRMHS0001610	JUNCTION	0.01	0.30	325.74	0	05:15	0.30
PWOPRMHS0001611	JUNCTION	0.01	1.36	324.23	0	05:11	1.21
PWOPRMHS0001614	JUNCTION	0.02	0.82	323.73	0	05:16	0.77
PWOPRMHS0001622	JUNCTION	0.00	0.08	332.81	0	05:15	0.08
PWOPRMHS0001624	JUNCTION	0.01	0.20	331.12	0	05:15	0.20
PWOPRMHS0001625	JUNCTION	0.01	0.21	330.82	0	05:15	0.21
PWOPRMHS0001626	JUNCTION	0.25	0.40	331.40	0	05:15	0.40
PWOPRMHS0001634	JUNCTION	0.02	0.58	326.79	0	05:15	0.58
PWOPRMHS0001642	JUNCTION	0.01	0.64	323.91	0	05:15	0.53
PWOPRMHS0001643	JUNCTION	0.01	0.31	323.69	0	05:16	0.26
PWOPRMHS0001649	JUNCTION	0.01	0.21	329.42	0	05:15	0.21
PWOPRMHS0001650	JUNCTION	0.01	0.19	329.76	0	05:15	0.19
PWOPRMHS0001651	JUNCTION	0.01	0.18	330.46	0	05:15	0.18
PWOPRMHS0001652	JUNCTION	0.01	0.22	327.11	0	05:15	0.22
PWOPRMHS0001653	JUNCTION	0.01	0.28	325.52	0	05:15	0.28
PWOPRMHS0001654	JUNCTION	0.01	0.27	325.18	0	05:15	0.27
PWOPRMHS0001655	JUNCTION	0.00	0.09	330.09	0	05:15	0.09
PWOPRMHS0001657	JUNCTION	0.01	0.35	324.93	0	05:15	0.35
PWOPRMHS0001658	JUNCTION	0.01	0.23	325.15	0	05:15	0.23
PWOPRMHS0001659	JUNCTION	0.01	0.26	325.57	0	05:15	0.26
PWOPRMHS0001660	JUNCTION	0.02	0.60	324.70	0	05:15	0.60
PWOPRMHS0001661B	JUNCTION	0.02	0.61	324.92	0	05:15	0.61
PWOPRMHS0001662	JUNCTION	0.02	0.55	324.50	0	05:15	0.55
PWOPRMHS0001663	JUNCTION	0.03	0.83	324.89	0	05:15	0.83
PWOPRMHS0001664	JUNCTION	0.01	0.22	326.57	0	05:15	0.22
PWOPRMHS0001667	JUNCTION	0.04	1.07	324.22	0	05:16	1.07
PWOPRMHS0001670	JUNCTION	0.02	0.53	323.45	0	05:15	0.52
PWOPRMHS0001674	JUNCTION	0.03	0.68	326.56	0	05:15	0.68
PWOPRMHS0001676	JUNCTION	0.02	0.49	326.82	0	05:15	0.49
PWOPRMHS0001677	JUNCTION	0.01	0.39	326.98	0	05:15	0.39
PWOPRMHS0001678	JUNCTION	0.01	0.15	327.16	0	05:15	0.15
PWOPRMHS0001679	JUNCTION	0.01	0.28	336.17	0	05:15	0.28
PWOPRMHS0001680	JUNCTION	0.01	0.36	335.42	0	05:15	0.36
PWOPRMHS0001682	JUNCTION	0.01	0.36	328.46	0	05:15	0.36
PWOPRMHS0001686	JUNCTION	0.01	0.42	328.97	0	05:15	0.42
PWOPRMHS0001687	JUNCTION	0.03	0.77	327.17	0	05:15	0.77
PWOPRMHS0001688	JUNCTION	0.03	0.92	327.02	0	05:15	0.92
PWOPRMHS0001689	JUNCTION	0.03	0.85	327.46	0	05:15	0.85
PWOPRMHS0001690	JUNCTION	0.03	0.83	327.57	0	05:15	0.83
PWOPRMHS0001691	JUNCTION	0.02	0.70	327.69	0	05:15	0.70
PWOPRMHS0001692	JUNCTION	0.02	0.62	328.19	0	05:15	0.61
PWOPRMHS0001695	JUNCTION	0.01	0.53	322.78	0	05:16	0.45
PWOPRMHS0001697	JUNCTION	0.01	0.22	324.13	0	05:15	0.22
PWOPRMHS0001705	JUNCTION	0.00	0.11	328.64	0	05:15	0.11

PWOPRMHS0001706	JUNCTION	0.01	0.26	327.40	0	05:15	0.26
PWOPRMHS0001713	JUNCTION	0.02	0.46	325.97	0	05:15	0.46
PWOPRMHS0001729	JUNCTION	0.01	0.34	329.42	0	05:15	0.34
PWOPRMHS0001732	JUNCTION	0.01	0.34	329.32	0	05:15	0.34
PWOPRMHS0001733	JUNCTION	0.01	0.13	324.18	0	05:15	0.13
PWOPRMHS0001736	JUNCTION	0.01	0.34	323.74	0	05:14	0.34
PWOPRMHS0001739	JUNCTION	0.01	0.33	329.22	0	05:15	0.33
PWOPRMHS0001740	JUNCTION	0.01	0.35	329.07	0	05:15	0.35
PWOPRMHS0001741	JUNCTION	0.00	0.10	329.58	0	05:15	0.10
PWOPRMHS0001743	JUNCTION	0.02	0.65	327.94	0	05:15	0.65
PWOPRMHS0001744	JUNCTION	0.03	0.69	328.42	0	05:15	0.69
PWOPRMHS0001745	JUNCTION	0.02	0.67	328.73	0	05:15	0.67
PWOPRMHS0001746	JUNCTION	0.02	0.67	328.60	0	05:15	0.67
PWOPRMHS0001761	JUNCTION	0.00	0.00	329.15	0	00:00	0.00
PWOPRMHS0001764	JUNCTION	0.02	0.40	327.86	0	05:15	0.40
PWOPRMHS0001765	JUNCTION	0.01	0.25	328.29	0	05:15	0.25
PWOPRMHS0001766	JUNCTION	0.00	0.00	328.32	0	00:00	0.00
PWOPRMHS0001767	JUNCTION	0.01	0.39	327.64	0	05:15	0.39
PWOPRMHS0001768	JUNCTION	0.01	0.18	328.03	0	05:15	0.18
PWOPRMHS0001788	JUNCTION	0.02	0.51	323.45	0	05:15	0.51
PWOPRMHS0001791	JUNCTION	0.03	0.72	326.31	0	05:15	0.72
PWOPRMHS0001792	JUNCTION	0.02	0.60	325.84	0	05:15	0.60
PWOPRMHS0001796	JUNCTION	0.00	0.00	326.65	0	00:00	0.00
PWOPRMHS0001797	JUNCTION	0.01	0.17	326.57	0	05:15	0.17
PWOPRMHS0001798	JUNCTION	0.01	0.17	326.23	0	05:15	0.17
PWOPRMHS0001804	JUNCTION	0.00	0.06	332.04	0	05:15	0.06
PWOPRMHS0001836	JUNCTION	0.02	0.53	325.09	0	05:15	0.53
PWOPRMHS0001855	JUNCTION	0.01	0.24	326.45	0	05:15	0.24
PWOPRMHS0001856	JUNCTION	0.01	0.40	328.13	0	05:15	0.40
PWOPRMHS0001857	JUNCTION	0.01	0.24	322.67	0	05:15	0.24
PWOPRMHS0001858	JUNCTION	0.01	0.30	330.23	0	05:15	0.30
PWOPRMHS0001867	JUNCTION	0.00	0.10	332.04	0	05:15	0.10
PWOPRMHS0001874	JUNCTION	0.00	0.10	329.97	0	05:15	0.10
PWOPRMHS0001878	JUNCTION	0.01	0.39	323.67	0	05:13	0.37
PWOPRMHS0001879	JUNCTION	0.01	0.93	323.97	0	05:13	0.88
PWOPRMHS0001881	JUNCTION	0.01	0.20	323.77	0	05:15	0.19
PWOPRMHS0001889	JUNCTION	0.02	0.52	325.15	0	05:15	0.52
PWOPRMHS0001890	JUNCTION	0.02	0.50	325.02	0	05:15	0.50
PWOPRMHS0001891	JUNCTION	0.00	0.11	325.21	0	05:15	0.11
PWOPRMHS0001894	JUNCTION	0.02	0.54	324.77	0	05:15	0.54
PWOPRMHS0001903	JUNCTION	0.01	0.16	332.88	0	05:15	0.16
PWOPRMHS0001904	JUNCTION	0.01	0.27	330.71	0	05:15	0.27
PWOPRMHS0001906	JUNCTION	0.01	0.31	319.11	0	05:15	0.31
PWOPRMHS0001907	JUNCTION	0.01	0.32	319.15	0	05:15	0.32
PWOPRMHS0001908	JUNCTION	0.01	0.16	319.71	0	05:15	0.16
PWOPRMHS0001911	JUNCTION	0.01	0.31	318.80	0	05:15	0.31
PWOPRMHS0001912	JUNCTION	0.03	0.75	318.26	0	05:15	0.75
PWOPRMHS0001914	JUNCTION	0.01	0.15	331.98	0	05:15	0.15
PWOPRMHS0001915	JUNCTION	0.01	0.26	329.45	0	05:15	0.26
PWOPRMHS0001916	JUNCTION	0.01	0.30	327.89	0	05:15	0.30
PWOPRMHS0001917	JUNCTION	0.01	0.25	319.49	0	05:15	0.25
PWOPRMHS0001918	JUNCTION	0.04	1.00	318.81	0	05:16	0.99
PWOPRMHS0001919	JUNCTION	0.01	0.21	328.01	0	05:15	0.21
PWOPRMHS0001925	JUNCTION	0.01	0.33	323.66	0	05:15	0.33
PWOPRMHS0001926	JUNCTION	0.01	0.37	323.06	0	05:11	0.37
PWOPRMHS0001927	JUNCTION	0.01	0.16	323.67	0	05:15	0.16
PWOPRMHS0001928	JUNCTION	0.03	0.63	322.83	0	04:56	0.62

PWOPRMHS0001929	JUNCTION	0.01	0.25	324.10	0	05:15	0.25
PWOPRMHS0001930	JUNCTION	0.01	0.35	323.42	0	05:15	0.35
PWOPRMHS0001931	JUNCTION	0.01	0.20	325.19	0	05:15	0.20
PWOPRMHS0001932	JUNCTION	0.01	0.29	325.60	0	05:15	0.29
PWOPRMHS0001933	JUNCTION	0.01	0.28	325.94	0	05:15	0.28
PWOPRMHS0001935	JUNCTION	0.01	0.25	326.28	0	05:15	0.25
PWOPRMHS0001937	JUNCTION	0.01	0.23	324.51	0	05:15	0.23
PWOPRMHS0001939	JUNCTION	0.00	0.11	327.62	0	05:15	0.11
PWOPRMHS0001941	JUNCTION	0.00	0.00	326.79	0	00:00	0.00
PWOPRMHS0001943	JUNCTION	0.01	0.24	326.66	0	05:15	0.24
PWOPRMHS0001944	JUNCTION	0.02	0.40	323.04	0	05:15	0.40
PWOPRMHS0001945	JUNCTION	0.00	0.00	323.32	0	00:00	0.00
PWOPRMHS0001947	JUNCTION	0.00	0.10	324.12	0	05:15	0.10
PWOPRMHS0002041	JUNCTION	0.01	0.24	329.31	0	05:15	0.24
PWOPRMHS0002042	JUNCTION	0.01	0.27	329.83	0	05:15	0.27
PWOPRMHS0002046	JUNCTION	0.00	0.07	330.79	0	05:15	0.07
PWOPRMHS0002050	JUNCTION	0.01	0.23	329.20	0	05:15	0.23
PWOPRMHS0002051	JUNCTION	0.02	0.62	328.89	0	05:15	0.62
PWOPRMHS0002080	JUNCTION	0.01	0.19	325.42	0	05:15	0.19
PWOPRMHS0002082	JUNCTION	0.01	0.20	326.91	0	05:15	0.20
PWOPRMHS0002083	JUNCTION	0.01	0.28	325.60	0	05:15	0.28
PWOPRMHS0002084	JUNCTION	0.02	0.43	325.40	0	05:15	0.43
PWOPRMHS0002085	JUNCTION	0.00	0.11	329.50	0	05:15	0.11
PWOPRMHS0002095	JUNCTION	0.00	0.12	336.16	0	05:15	0.12
PWOPRMHS0003136	JUNCTION	0.02	0.49	329.38	0	05:15	0.49
PWOPRMHS0003137	JUNCTION	0.01	0.37	329.87	0	05:15	0.37
PWOPRMHS0003140	JUNCTION	0.00	0.00	327.35	0	00:00	0.00
PWOPRMHS0003146	JUNCTION	0.02	0.52	335.12	0	05:15	0.52
PWOPRMHS0003147	JUNCTION	0.01	0.28	334.07	0	05:15	0.28
PWOPRMHS0003148	JUNCTION	0.01	0.40	332.29	0	05:15	0.40
PWOPRMHS0003149	JUNCTION	0.01	0.33	331.19	0	05:15	0.33
PWOPRMHS0003153	JUNCTION	0.01	0.26	336.42	0	05:15	0.26
PWOPRMHS0003160	JUNCTION	0.01	0.15	335.65	0	05:15	0.15
PWOPRMHS0004129	JUNCTION	0.01	0.22	329.29	0	05:15	0.22
PWOPRMHS0004130	JUNCTION	0.01	0.34	329.17	0	05:15	0.34
PWOPRMHS0004131	JUNCTION	0.01	0.27	328.84	0	05:15	0.27
PWOPRMHS0004132	JUNCTION	0.01	0.39	328.52	0	05:15	0.39
PWOPRMHS0004133	JUNCTION	0.01	0.29	329.08	0	05:15	0.29
PWOPRMHS0004134	JUNCTION	0.01	0.17	332.11	0	05:15	0.17
PWOPRMHS0004135	JUNCTION	0.01	0.22	332.65	0	05:15	0.22
PWOPRMHS0004137	JUNCTION	0.00	0.16	334.54	0	05:15	0.16
PWOPRMHS0004141	JUNCTION	0.02	0.49	327.87	0	05:15	0.49
PWOPRMHS0004142	JUNCTION	0.02	0.45	327.49	0	05:15	0.45
PWOPRMHS0004143	JUNCTION	0.01	0.15	327.93	0	05:15	0.15
PWOPRMHS0004146	JUNCTION	0.00	0.00	332.40	0	00:00	0.00
PWOPRMHS0004159	JUNCTION	0.01	0.20	329.83	0	05:15	0.20
PWOPRMHS0004201	JUNCTION	0.01	0.19	329.71	0	05:15	0.19
PWOPRMHS0004998	JUNCTION	0.00	0.03	326.76	0	05:15	0.03
PWOPRMHS0004999	JUNCTION	0.00	0.03	327.52	0	05:15	0.03
PWOPRMHS0005000	JUNCTION	0.01	0.21	327.20	0	05:15	0.21
PWOPRMHS0005001	JUNCTION	0.02	0.30	327.42	0	05:15	0.30
PWOPRMHS0005003	JUNCTION	0.03	0.76	326.95	0	05:15	0.76
PWOPRMHS0005008	JUNCTION	0.00	0.10	338.62	0	05:15	0.10
PWOPRMHS0005009	JUNCTION	0.00	0.08	339.47	0	05:15	0.08
PWOPRMHS0005010	JUNCTION	0.00	0.09	338.23	0	05:15	0.09
PWOPRMHS0005011	JUNCTION	0.01	0.23	335.21	0	05:15	0.23
PWOPRMHS0005012	JUNCTION	0.00	0.12	335.67	0	05:15	0.12

PWOPRMHS0005013	JUNCTION	0.01	0.20	335.00	0	05:15	0.20
PWOPRMHS0005178	JUNCTION	0.00	0.04	328.68	0	05:15	0.04
PWOPRMHS0005179	JUNCTION	0.02	0.45	326.65	0	05:15	0.45
PWOPRMHS0005181	JUNCTION	0.02	0.47	327.13	0	05:15	0.47
PWOPRMHS0005183	JUNCTION	0.01	0.35	328.09	0	05:15	0.35
PWOPRMHS0005188	JUNCTION	0.01	0.20	330.14	0	05:15	0.20
PWOPRMHS0005196	JUNCTION	0.01	0.17	328.38	0	05:15	0.17
PWOPRMHS0005223	JUNCTION	0.02	0.44	326.28	0	05:15	0.44
PWOPRMHS0005226	JUNCTION	0.02	0.44	325.90	0	05:15	0.44
PWOPRMHS0005229	JUNCTION	0.01	0.18	324.92	0	05:15	0.18
PWOPRMHS0005230	JUNCTION	0.01	0.31	324.86	0	05:15	0.31
PWOPRMHS0005231	JUNCTION	0.01	0.17	325.41	0	05:15	0.17
PWOPRMHS0005906	JUNCTION	0.00	0.00	319.63	0	00:00	0.00
PWOPRMHS0005908	JUNCTION	0.00	0.12	319.04	0	05:15	0.12
PWOPRMHS0005909	JUNCTION	0.01	0.22	318.66	0	05:15	0.22
PWOPRMHS0005910	JUNCTION	0.00	0.00	318.95	0	00:00	0.00
PWOPRMHS0005911	JUNCTION	0.00	0.00	319.29	0	00:00	0.00
PWOPRMHS0005924	JUNCTION	0.01	0.17	318.77	0	05:15	0.17
PWOPRMHS0005926	JUNCTION	0.01	0.27	318.32	0	05:15	0.27
PWOPRMHS0005927	JUNCTION	0.01	0.35	318.11	0	05:15	0.35
PWOPRMHS0005930	JUNCTION	0.02	0.39	317.64	0	05:15	0.39
PWOPRMHS0005931	JUNCTION	0.01	0.20	317.90	0	05:15	0.20
PWOPRMHS0005932	JUNCTION	0.00	0.13	318.01	0	05:15	0.13
PWOPRMHS0005944	JUNCTION	0.00	0.12	318.44	0	05:15	0.12
PWOPRMHS0005945	JUNCTION	0.01	0.20	318.42	0	05:15	0.20
PWOPRMHS0005946	JUNCTION	0.01	0.18	318.68	0	05:15	0.18
SWMPOND	JUNCTION	0.02	0.76	322.76	0	05:16	0.71
A1_OVERFLOW	OUTFALL	0.00	0.02	317.02	0	05:15	0.02
A2_OVERFLOW	OUTFALL	0.00	0.00	329.00	0	00:00	0.00
A3_OVERFLOW	OUTFALL	0.01	0.35	326.35	0	05:15	0.35
A4_OVERFLOW	OUTFALL	0.09	0.71	317.71	0	07:15	0.71
B1_OVERFLOW	OUTFALL	0.00	0.04	324.04	0	05:15	0.04
B2_OVERFLOW	OUTFALL	0.00	0.17	322.17	0	05:25	0.17
C1_OVERFLOW	OUTFALL	0.01	0.43	319.43	0	05:15	0.43
D1_OVERFLOW	OUTFALL	0.01	0.42	324.92	0	05:15	0.42
D2_OVERFLOW	OUTFALL	0.02	0.28	321.28	0	05:15	0.28
D3_OVERFLOW	OUTFALL	0.04	0.51	322.01	0	07:50	0.51
D4_OVERFLOW	OUTFALL	0.02	0.26	318.26	0	06:15	0.26
E1_OVERFLOW	OUTFALL	0.17	1.00	315.00	0	10:00	1.00
E2_OVERFLOW	OUTFALL	0.12	0.73	314.63	0	13:05	0.72
HanlonCreek	OUTFALL	0.00	0.00	300.00	0	00:00	0.00
S_A1	STORAGE	0.02	0.51	331.51	0	05:16	0.51
S_A2	STORAGE	0.03	0.55	330.55	0	06:08	0.55
S_A3	STORAGE	0.06	0.55	326.55	0	06:24	0.55
S_A4	STORAGE	0.22	1.11	319.11	0	07:48	1.11
S_B1	STORAGE	0.02	0.60	324.60	0	05:17	0.60
S_B2	STORAGE	0.05	0.83	322.83	0	05:37	0.83
S_C1	STORAGE	0.07	0.95	319.95	0	05:22	0.95
S_D1	STORAGE	0.06	0.71	325.21	0	05:39	0.71
S_D2	STORAGE	0.08	0.58	321.58	0	05:18	0.57
S_D3	STORAGE	0.14	1.13	322.63	0	08:02	1.13
S_D4	STORAGE	0.14	0.90	318.90	0	05:20	0.90
S_E1	STORAGE	0.39	1.73	315.73	0	10:00	1.72
S_E2	STORAGE	0.19	0.82	314.72	0	13:07	0.82

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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	
1	JUNCTION	5.175	5.175	0	05:15	29.7	29.7	-0.013	
11	JUNCTION	0.000	12.752	0	07:43	0	512	0.001	
12	JUNCTION	0.000	12.752	0	07:44	0	512	0.001	
13	JUNCTION	0.000	20.866	0	05:18	0	725	-0.002	
14	JUNCTION	1.493	6.453	0	05:15	6.27	36	0.007	
15	JUNCTION	0.000	19.940	0	10:29	0	743	-0.034	
17	JUNCTION	0.000	15.680	0	13:07	0	748	0.000	
18	JUNCTION	1.597	12.704	0	05:14	8.09	49.7	-0.176	
19	JUNCTION	0.000	4.305	0	05:17	0	23.1	0.008	
2	JUNCTION	36.560	36.560	0	05:15	213	213	-0.054	
20	JUNCTION	1.762	8.116	0	05:15	10.5	55.9	0.015	
21	JUNCTION	8.202	18.412	0	05:15	50.5	354	-0.000	
22	JUNCTION	0.000	7.265	0	05:16	0	65.6	-0.002	
24	JUNCTION	0.275	12.670	0	05:16	0.87	84.8	0.056	
25	JUNCTION	0.000	11.658	0	05:17	0	65.6	0.009	
26	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
27	JUNCTION	16.402	16.402	0	05:15	103	103	-0.017	
28	JUNCTION	15.025	24.278	0	05:15	189	270	0.016	
29	JUNCTION	0.000	6.443	0	05:39	0	103	-0.013	
3	JUNCTION	2.763	6.670	0	05:15	13.7	45.4	-0.027	
30	JUNCTION	0.000	5.514	0	05:18	0	175	-0.000	
31	JUNCTION	0.000	5.514	0	05:18	0	175	-0.000	
32	JUNCTION	0.000	5.513	0	05:19	0	175	-0.002	
34	JUNCTION	0.000	6.476	0	05:20	0	205	0.000	
35	JUNCTION	0.000	6.476	0	05:21	0	205	0.000	
36	JUNCTION	0.041	7.944	0	05:16	0.14	212	0.002	
37	JUNCTION	0.841	5.431	0	05:15	3.13	24.3	-0.000	
39	JUNCTION	0.000	7.709	0	08:41	0	201	0.016	
4	JUNCTION	0.527	0.527	0	05:15	2.82	2.82	-0.054	
40	JUNCTION	43.522	43.522	0	05:15	263	263	-0.000	
42	JUNCTION	9.288	15.717	0	05:17	44.6	92.1	0.019	
48	JUNCTION	17.766	31.133	0	05:15	131	234	0.011	
49	JUNCTION	47.540	47.540	0	07:50	964	964	-0.000	
5	JUNCTION	0.000	3.868	0	06:09	0	47.5	0.016	
50	JUNCTION	22.757	27.976	0	06:15	429	604	0.000	
53	JUNCTION	228.147	244.361	0	10:00	8.22e+03	8.94e+03	0.001	
54	JUNCTION	123.747	140.807	0	13:05	4.5e+03	5.25e+03	0.012	
56	JUNCTION	4.245	15.676	0	13:07	19.6	768	0.002	
6	JUNCTION	6.272	9.331	0	05:15	33.4	80.9	-0.036	
7	JUNCTION	102.182	118.949	0	07:15	2.62e+03	3.19e+03	0.005	
8	JUNCTION	9.130	50.349	0	05:15	55.6	387	-0.001	
9	JUNCTION	0.698	64.057	0	05:14	3.35	475	-0.018	
MHEasement1	JUNCTION	0.050	0.388	0	05:15	0.2	1.52	-0.028	
MHEasement2	JUNCTION	0.117	0.505	0	05:15	0.437	1.96	0.011	
MHSchool	JUNCTION	0.000	1.039	0	05:15	0	4.78	-0.000	
MHSWM4	JUNCTION	0.039	2.454	0	05:15	0.125	10.9	0.001	
PWOPRMHS0001369	JUNCTION	0.000	1.004	0	05:15	0	4.16	0.013	
PWOPRMHS0001370	JUNCTION	0.000	0.339	0	05:15	0	1.32	-0.004	

PWOPRMHS0001371	JUNCTION	0.109	0.109	0	05:15	0.414	0.414	-0.000	
PWOPRMHS0001372	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001373	JUNCTION	0.000	0.216	0	05:15	0	0.839	-0.001	
PWOPRMHS0001374	JUNCTION	0.041	0.230	0	05:15	0.162	0.906	-0.000	
PWOPRMHS0001375	JUNCTION	0.000	0.230	0	05:15	0	0.906	0.004	
PWOPRMHS0001386	JUNCTION	0.000	1.803	0	05:15	0	7.32	-0.041	
PWOPRMHS0001387	JUNCTION	0.000	1.300	0	05:15	0	5.36	-0.077	
PWOPRMHS0001388	JUNCTION	0.111	1.301	0	05:15	0.417	5.34	-0.016	
PWOPRMHS0001389	JUNCTION	0.190	1.191	0	05:15	0.764	4.92	0.004	
PWOPRMHS0001390	JUNCTION	0.076	0.076	0	05:15	0.339	0.339	-0.002	
PWOPRMHS0001391	JUNCTION	0.000	0.165	0	05:15	0	0.673	-0.003	
PWOPRMHS0001392	JUNCTION	0.089	0.089	0	05:15	0.335	0.335	-0.001	
PWOPRMHS0001393	JUNCTION	0.164	0.788	0	05:15	0.785	3.32	0.011	
PWOPRMHS0001394	JUNCTION	0.000	0.164	0	05:15	0	0.673	-0.003	
PWOPRMHS0001395	JUNCTION	0.218	0.218	0	05:15	0.785	0.785	-0.002	
PWOPRMHS0001398	JUNCTION	0.226	0.226	0	05:15	0.834	0.834	0.003	
PWOPRMHS0001399	JUNCTION	0.000	0.226	0	05:15	0	0.834	-0.005	
PWOPRMHS0001400	JUNCTION	0.000	0.226	0	05:15	0	0.834	0.003	
PWOPRMHS0001401	JUNCTION	0.107	0.332	0	05:15	0.392	1.23	-0.333	
PWOPRMHS0001402	JUNCTION	0.082	0.463	0	05:15	0.325	1.78	-0.276	
PWOPRMHS0001403	JUNCTION	0.288	2.417	0	05:15	1.25	10.8	-0.001	
PWOPRMHS0001404	JUNCTION	0.000	0.625	0	05:15	0	2.54	-0.056	
PWOPRMHS0001408	JUNCTION	0.386	0.386	0	05:15	1.41	1.41	-0.002	
PWOPRMHS0001409	JUNCTION	0.123	0.123	0	05:15	0.492	0.492	-0.001	
PWOPRMHS0001410	JUNCTION	0.082	1.390	0	05:15	0.348	6.38	-0.006	
PWOPRMHS0001411	JUNCTION	0.043	0.345	0	05:15	0.214	1.97	-0.000	
PWOPRMHS0001412	JUNCTION	0.021	0.302	0	05:15	0.116	1.76	0.000	
PWOPRMHS0001413	JUNCTION	0.241	0.241	0	05:15	1.43	1.43	-0.001	
PWOPRMHS0001415	JUNCTION	0.000	1.003	0	05:15	0	4.16	-0.004	
PWOPRMHS0001416	JUNCTION	0.000	2.453	0	05:15	0	10.9	-0.004	
PWOPRMHS0001418	JUNCTION	0.107	2.905	0	05:15	0.475	12.7	-0.019	
PWOPRMHS0001419	JUNCTION	0.000	0.189	0	05:15	0	0.744	-0.001	
PWOPRMHS0001420	JUNCTION	0.037	0.189	0	05:15	0.143	0.744	-0.000	
PWOPRMHS0001421	JUNCTION	0.000	0.153	0	05:15	0	0.601	-0.000	
PWOPRMHS0001422	JUNCTION	0.025	0.216	0	05:15	0.104	0.839	-0.051	
PWOPRMHS0001423	JUNCTION	0.025	0.191	0	05:15	0.096	0.735	0.017	
PWOPRMHS0001424	JUNCTION	0.166	0.166	0	05:15	0.639	0.639	-0.001	
PWOPRMHS0001428	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001429	JUNCTION	0.153	0.153	0	05:15	0.601	0.601	-0.000	
PWOPRMHS0001430	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001431	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001433	JUNCTION	0.350	0.350	0	05:15	1.32	1.32	0.036	
PWOPRMHS0001435	JUNCTION	0.054	0.054	0	05:15	0.284	0.284	-0.000	
PWOPRMHS0001436	JUNCTION	0.053	3.977	0	05:15	0.214	17.6	0.017	
PWOPRMHS0001437	JUNCTION	0.000	1.026	0	05:15	0	4.75	0.017	
PWOPRMHS0001438	JUNCTION	0.000	4.026	0	05:15	0	17.9	-0.006	
PWOPRMHS0001467	JUNCTION	0.241	0.241	0	05:15	1.13	1.13	0.106	
PWOPRMHS0001597	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001598	JUNCTION	0.146	0.343	0	05:15	0.963	2.3	-0.010	
PWOPRMHS0001600	JUNCTION	0.352	0.352	0	05:15	1.64	1.64	-0.032	
PWOPRMHS0001601	JUNCTION	0.176	0.176	0	05:15	1.18	1.18	-0.000	
PWOPRMHS0001602	JUNCTION	0.014	0.198	0	05:15	0.103	1.34	0.049	
PWOPRMHS0001603	JUNCTION	0.019	0.371	0	05:15	0.131	1.78	-0.012	
PWOPRMHS0001604	JUNCTION	0.024	0.639	0	05:15	0.171	3.05	-0.022	
PWOPRMHS0001605	JUNCTION	0.244	0.244	0	05:15	1.11	1.11	0.022	
PWOPRMHS0001606	JUNCTION	0.120	3.382	0	05:15	0.505	16.2	0.020	
PWOPRMHS0001608	JUNCTION	0.000	2.287	0	05:15	0	10.4	-0.040	

PWOPRMHS0001610	JUNCTION	0.000	2.626	0	05:15	0	12.7	-0.004
PWOPRMHS0001611	JUNCTION	0.023	4.631	0	05:01	0.09	5.35	1.763
PWOPRMHS0001614	JUNCTION	0.020	2.319	0	05:09	0.0907	3.76	-0.882
PWOPRMHS0001622	JUNCTION	0.039	0.039	0	05:15	0.209	0.209	-0.001
PWOPRMHS0001624	JUNCTION	0.000	0.241	0	05:15	0	1.25	-0.001
PWOPRMHS0001625	JUNCTION	0.081	0.321	0	05:15	0.342	1.59	-0.000
PWOPRMHS0001626	JUNCTION	0.241	0.241	0	05:15	1.25	1.25	0.023
PWOPRMHS0001634	JUNCTION	0.090	1.479	0	05:15	0.368	6.75	0.073
PWOPRMHS0001642	JUNCTION	0.020	1.138	0	05:16	0.123	1.2	0.981
PWOPRMHS0001643	JUNCTION	0.033	0.258	0	05:15	0.126	0.784	-0.202
PWOPRMHS0001649	JUNCTION	0.036	0.475	0	05:15	0.189	2.31	-0.002
PWOPRMHS0001650	JUNCTION	0.000	0.334	0	05:15	0	1.65	-0.000
PWOPRMHS0001651	JUNCTION	0.013	0.335	0	05:15	0.0592	1.65	-0.000
PWOPRMHS0001652	JUNCTION	0.000	0.475	0	05:15	0	2.31	-0.000
PWOPRMHS0001653	JUNCTION	0.000	0.475	0	05:15	0	2.3	-0.011
PWOPRMHS0001654	JUNCTION	0.000	0.475	0	05:15	0	2.31	0.028
PWOPRMHS0001655	JUNCTION	0.105	0.105	0	05:15	0.462	0.462	0.009
PWOPRMHS0001657	JUNCTION	0.013	0.710	0	05:15	0.0688	2.97	0.020
PWOPRMHS0001658	JUNCTION	0.181	0.181	0	05:15	0.768	0.768	-0.000
PWOPRMHS0001659	JUNCTION	0.516	0.516	0	05:15	2.13	2.13	-0.001
PWOPRMHS0001660	JUNCTION	0.029	1.180	0	05:15	0.123	4.69	0.004
PWOPRMHS0001661B	JUNCTION	0.773	1.247	0	05:15	2.94	5.25	0.000
PWOPRMHS0001662	JUNCTION	0.135	3.281	0	05:15	0.478	13.5	-0.028
PWOPRMHS0001663	JUNCTION	0.012	1.968	0	05:15	0.0753	8.29	-0.017
PWOPRMHS0001664	JUNCTION	0.000	0.475	0	05:15	0	2.31	0.018
PWOPRMHS0001667	JUNCTION	0.000	3.381	0	05:15	0	16.2	-0.029
PWOPRMHS0001670	JUNCTION	0.037	3.410	0	05:16	0.221	16.5	0.085
PWOPRMHS0001674	JUNCTION	0.000	4.054	0	05:15	0	18	0.001
PWOPRMHS0001676	JUNCTION	0.030	0.646	0	05:15	0.118	2.88	-0.012
PWOPRMHS0001677	JUNCTION	0.046	0.616	0	05:15	0.215	2.76	0.006
PWOPRMHS0001678	JUNCTION	0.200	0.200	0	05:15	0.892	0.892	0.005
PWOPRMHS0001679	JUNCTION	0.000	0.380	0	05:15	0	1.59	0.001
PWOPRMHS0001680	JUNCTION	0.046	0.674	0	05:15	0.194	2.89	-0.020
PWOPRMHS0001682	JUNCTION	0.080	1.288	0	05:15	0.357	5.54	-0.008
PWOPRMHS0001686	JUNCTION	0.036	1.152	0	05:15	0.157	4.94	-0.000
PWOPRMHS0001687	JUNCTION	0.000	3.271	0	05:15	0	14.6	0.002
PWOPRMHS0001688	JUNCTION	0.043	3.410	0	05:15	0.163	15.1	-0.000
PWOPRMHS0001689	JUNCTION	0.048	3.272	0	05:15	0.214	14.6	0.014
PWOPRMHS0001690	JUNCTION	0.027	1.938	0	05:15	0.105	8.81	0.000
PWOPRMHS0001691	JUNCTION	0.082	1.912	0	05:15	0.32	8.71	-0.001
PWOPRMHS0001692	JUNCTION	0.047	1.590	0	05:15	0.191	7.45	0.000
PWOPRMHS0001695	JUNCTION	0.234	0.234	0	05:15	1.1	1.1	-0.013
PWOPRMHS0001697	JUNCTION	0.241	0.241	0	05:15	1.04	1.04	-0.009
PWOPRMHS0001705	JUNCTION	0.101	0.101	0	05:15	0.395	0.395	-0.001
PWOPRMHS0001706	JUNCTION	0.371	0.371	0	05:15	1.65	1.65	-0.002
PWOPRMHS0001713	JUNCTION	0.101	4.151	0	05:15	0.379	18.4	-0.004
PWOPRMHS0001729	JUNCTION	0.000	0.359	0	05:15	0	1.69	-0.000
PWOPRMHS0001732	JUNCTION	0.000	0.417	0	05:15	0	1.91	0.002
PWOPRMHS0001733	JUNCTION	0.102	0.102	0	05:15	0.422	0.422	-0.001
PWOPRMHS0001736	JUNCTION	0.034	0.376	0	05:15	0.132	1.59	0.000
PWOPRMHS0001739	JUNCTION	0.105	0.522	0	05:15	0.404	2.32	0.004
PWOPRMHS0001740	JUNCTION	0.000	0.522	0	05:15	0	2.31	-0.001
PWOPRMHS0001741	JUNCTION	0.057	0.057	0	05:15	0.228	0.228	-0.002
PWOPRMHS0001743	JUNCTION	0.054	1.642	0	05:15	0.221	7.67	-0.025
PWOPRMHS0001744	JUNCTION	0.000	1.545	0	05:15	0	7.26	-0.005
PWOPRMHS0001745	JUNCTION	0.009	1.517	0	05:15	0.0475	7.14	-0.005
PWOPRMHS0001746	JUNCTION	0.030	1.545	0	05:15	0.116	7.26	0.005

PWOPRMHS0001761	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001764	JUNCTION	0.298	0.590	0	05:15	1.25	2.5	-0.004	
PWOPRMHS0001765	JUNCTION	0.293	0.293	0	05:15	1.24	1.24	-0.001	
PWOPRMHS0001766	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001767	JUNCTION	0.075	0.842	0	05:15	0.31	3.57	-0.002	
PWOPRMHS0001768	JUNCTION	0.179	0.179	0	05:15	0.759	0.759	-0.001	
PWOPRMHS0001788	JUNCTION	0.159	2.130	0	05:15	0.653	9.51	0.000	
PWOPRMHS0001791	JUNCTION	0.146	1.622	0	05:15	0.605	7.35	-0.067	
PWOPRMHS0001792	JUNCTION	0.079	1.889	0	05:15	0.323	8.5	-0.001	
PWOPRMHS0001796	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001797	JUNCTION	0.193	0.193	0	05:15	0.822	0.822	-0.001	
PWOPRMHS0001798	JUNCTION	0.000	0.193	0	05:15	0	0.822	-0.000	
PWOPRMHS0001804	JUNCTION	0.047	0.047	0	05:15	0.246	0.246	-0.001	
PWOPRMHS0001836	JUNCTION	0.089	1.975	0	05:15	0.359	8.86	-0.002	
PWOPRMHS0001855	JUNCTION	0.039	0.957	0	05:15	0.236	4.47	-0.000	
PWOPRMHS0001856	JUNCTION	0.000	0.748	0	05:15	0	3.27	-0.001	
PWOPRMHS0001857	JUNCTION	0.070	1.027	0	05:15	0.284	4.75	-0.000	
PWOPRMHS0001858	JUNCTION	0.044	0.740	0	05:15	0.244	3.22	-0.000	
PWOPRMHS0001867	JUNCTION	0.068	0.068	0	05:15	0.318	0.318	-0.001	
PWOPRMHS0001874	JUNCTION	0.059	0.059	0	05:15	0.22	0.22	-0.002	
PWOPRMHS0001878	JUNCTION	0.029	0.417	0	05:14	0.108	1.7	-0.074	
PWOPRMHS0001879	JUNCTION	0.000	2.087	0	05:13	0	2.27	-0.133	
PWOPRMHS0001881	JUNCTION	0.159	0.159	0	05:15	0.656	0.656	-0.035	
PWOPRMHS0001889	JUNCTION	0.036	0.761	0	05:15	0.145	3	-0.036	
PWOPRMHS0001890	JUNCTION	0.015	1.098	0	05:15	0.0903	4.36	0.051	
PWOPRMHS0001891	JUNCTION	0.096	0.096	0	05:15	0.382	0.382	-0.018	
PWOPRMHS0001894	JUNCTION	0.056	1.153	0	05:15	0.209	4.57	-0.039	
PWOPRMHS0001903	JUNCTION	0.341	0.341	0	05:15	1.44	1.44	-0.000	
PWOPRMHS0001904	JUNCTION	0.000	0.409	0	05:15	0	1.76	-0.002	
PWOPRMHS0001906	JUNCTION	0.029	0.519	0	05:15	0.132	2.03	-0.001	
PWOPRMHS0001907	JUNCTION	0.000	0.268	0	05:15	0	1.04	0.000	
PWOPRMHS0001908	JUNCTION	0.222	0.222	0	05:15	0.859	0.859	-0.000	
PWOPRMHS0001911	JUNCTION	0.000	0.519	0	05:15	0	2.03	-0.000	
PWOPRMHS0001912	JUNCTION	0.167	4.783	0	05:15	0.508	20.8	-0.051	
PWOPRMHS0001914	JUNCTION	0.289	0.289	0	05:15	1.22	1.22	-0.000	
PWOPRMHS0001915	JUNCTION	0.008	0.747	0	05:15	0.0505	3.27	0.005	
PWOPRMHS0001916	JUNCTION	0.125	0.871	0	05:15	0.718	3.98	0.001	
PWOPRMHS0001917	JUNCTION	0.269	0.269	0	05:15	1.04	1.04	-0.004	
PWOPRMHS0001918	JUNCTION	0.102	4.122	0	05:16	0.307	18.2	0.001	
PWOPRMHS0001919	JUNCTION	0.190	0.190	0	05:15	0.717	0.717	-0.000	
PWOPRMHS0001925	JUNCTION	0.123	0.767	0	05:15	0.577	3.7	0.035	
PWOPRMHS0001926	JUNCTION	0.000	0.767	0	05:15	0	3.7	-0.009	
PWOPRMHS0001927	JUNCTION	0.000	0.258	0	05:15	0	1.21	-0.001	
PWOPRMHS0001928	JUNCTION	0.136	1.941	0	05:12	0.635	9.29	-0.006	
PWOPRMHS0001929	JUNCTION	0.117	0.587	0	05:15	0.549	2.84	0.015	
PWOPRMHS0001930	JUNCTION	0.054	0.708	0	05:15	0.251	3.41	0.096	
PWOPRMHS0001931	JUNCTION	0.000	0.471	0	05:15	0	2.3	-0.000	
PWOPRMHS0001932	JUNCTION	0.000	0.471	0	05:15	0	2.3	-0.001	
PWOPRMHS0001933	JUNCTION	0.141	0.471	0	05:15	0.665	2.3	-0.001	
PWOPRMHS0001935	JUNCTION	0.000	0.330	0	05:15	0	1.63	-0.001	
PWOPRMHS0001937	JUNCTION	0.644	0.644	0	05:15	3.13	3.13	0.015	
PWOPRMHS0001939	JUNCTION	0.258	0.258	0	05:15	1.21	1.21	-0.000	
PWOPRMHS0001941	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001943	JUNCTION	0.330	0.330	0	05:15	1.63	1.63	-0.001	
PWOPRMHS0001944	JUNCTION	0.070	0.777	0	05:15	0.332	3.74	-0.105	
PWOPRMHS0001945	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001947	JUNCTION	0.067	0.067	0	05:15	0.316	0.316	-0.001	

PWOPRMHS0002041	JUNCTION	0.518	0.518	0	05:15	2.47	2.47	-0.000	
PWOPRMHS0002042	JUNCTION	0.359	0.359	0	05:15	1.69	1.69	-0.002	
PWOPRMHS0002046	JUNCTION	0.057	0.057	0	05:15	0.245	0.245	-0.000	
PWOPRMHS0002050	JUNCTION	0.320	0.320	0	05:15	1.7	1.7	-0.000	
PWOPRMHS0002051	JUNCTION	0.094	1.508	0	05:15	0.382	7.09	0.005	
PWOPRMHS0002080	JUNCTION	0.228	0.228	0	05:15	0.893	0.893	-0.001	
PWOPRMHS0002082	JUNCTION	0.399	0.399	0	05:15	1.53	1.53	0.073	
PWOPRMHS0002083	JUNCTION	0.000	0.576	0	05:15	0	2.31	-0.037	
PWOPRMHS0002084	JUNCTION	0.150	0.726	0	05:15	0.545	2.85	0.038	
PWOPRMHS0002085	JUNCTION	0.178	0.178	0	05:15	0.774	0.774	-0.000	
PWOPRMHS0002095	JUNCTION	0.248	0.248	0	05:15	1.1	1.1	-0.007	
PWOPRMHS0003136	JUNCTION	0.015	1.117	0	05:15	0.0653	4.78	-0.000	
PWOPRMHS0003137	JUNCTION	0.055	1.102	0	05:15	0.222	4.72	0.001	
PWOPRMHS0003140	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0003146	JUNCTION	0.025	0.925	0	05:15	0.117	3.99	0.034	
PWOPRMHS0003147	JUNCTION	0.000	0.923	0	05:15	0	3.99	0.000	
PWOPRMHS0003148	JUNCTION	0.000	0.923	0	05:15	0	3.99	-0.000	
PWOPRMHS0003149	JUNCTION	0.127	1.048	0	05:15	0.509	4.5	-0.000	
PWOPRMHS0003153	JUNCTION	0.381	0.381	0	05:15	1.59	1.59	-0.001	
PWOPRMHS0003160	JUNCTION	0.227	0.227	0	05:15	0.982	0.982	-0.000	
PWOPRMHS0004129	JUNCTION	0.239	0.239	0	05:15	0.975	0.975	-0.007	
PWOPRMHS0004130	JUNCTION	0.023	0.523	0	05:15	0.108	2.15	-0.005	
PWOPRMHS0004131	JUNCTION	0.021	0.544	0	05:15	0.106	2.26	0.020	
PWOPRMHS0004132	JUNCTION	0.031	1.494	0	05:15	0.179	6.24	0.011	
PWOPRMHS0004133	JUNCTION	0.041	0.505	0	05:15	0.18	2.07	-0.001	
PWOPRMHS0004134	JUNCTION	0.000	0.464	0	05:15	0	1.89	0.001	
PWOPRMHS0004135	JUNCTION	0.155	0.465	0	05:15	0.635	1.89	-0.007	
PWOPRMHS0004137	JUNCTION	0.034	0.310	0	05:15	0.136	1.25	0.010	
PWOPRMHS0004141	JUNCTION	0.000	1.673	0	05:15	0	7.06	-0.005	
PWOPRMHS0004142	JUNCTION	0.182	1.868	0	05:15	0.892	8.06	-0.014	
PWOPRMHS0004143	JUNCTION	0.180	0.180	0	05:15	0.822	0.822	0.007	
PWOPRMHS0004146	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0004159	JUNCTION	0.261	0.261	0	05:15	1.07	1.07	-0.002	
PWOPRMHS0004201	JUNCTION	0.416	0.416	0	05:15	1.73	1.73	-0.000	
PWOPRMHS0004998	JUNCTION	0.007	0.007	0	05:15	0.0515	0.0515	-0.045	
PWOPRMHS0004999	JUNCTION	0.004	0.004	0	05:15	0.0257	0.0257	0.000	
PWOPRMHS0005000	JUNCTION	0.025	0.323	0	05:15	0.18	1.98	-0.055	
PWOPRMHS0005001	JUNCTION	0.294	0.294	0	05:15	1.77	1.77	-0.001	
PWOPRMHS0005003	JUNCTION	0.103	2.292	0	05:15	0.342	10.4	0.090	
PWOPRMHS0005008	JUNCTION	0.061	0.093	0	05:15	0.267	0.402	-0.000	
PWOPRMHS0005009	JUNCTION	0.032	0.032	0	05:15	0.135	0.135	-0.003	
PWOPRMHS0005010	JUNCTION	0.000	0.093	0	05:15	0	0.402	0.248	
PWOPRMHS0005011	JUNCTION	0.090	0.278	0	05:15	0.321	1.12	-0.107	
PWOPRMHS0005012	JUNCTION	0.096	0.096	0	05:15	0.394	0.394	-0.139	
PWOPRMHS0005013	JUNCTION	0.000	0.277	0	05:15	0	1.12	0.001	
PWOPRMHS0005178	JUNCTION	0.014	0.014	0	05:15	0.103	0.103	-0.262	
PWOPRMHS0005179	JUNCTION	0.077	1.080	0	05:15	0.315	4.69	-0.001	
PWOPRMHS0005181	JUNCTION	0.043	1.003	0	05:15	0.153	4.37	-0.047	
PWOPRMHS0005183	JUNCTION	0.013	0.961	0	05:15	0.09	4.22	0.063	
PWOPRMHS0005188	JUNCTION	0.617	0.617	0	05:15	2.68	2.68	-0.006	
PWOPRMHS0005196	JUNCTION	0.331	0.331	0	05:15	1.45	1.45	-0.001	
PWOPRMHS0005223	JUNCTION	0.039	1.118	0	05:15	0.152	4.84	0.004	
PWOPRMHS0005226	JUNCTION	0.065	1.182	0	05:15	0.241	5.08	-0.005	
PWOPRMHS0005229	JUNCTION	0.020	0.212	0	05:15	0.083	0.814	0.017	
PWOPRMHS0005230	JUNCTION	0.033	1.425	0	05:15	0.132	6.03	-0.128	
PWOPRMHS0005231	JUNCTION	0.192	0.192	0	05:15	0.731	0.731	-0.006	
PWOPRMHS0005906	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr

PWOPRMHS0005908	JUNCTION	0.071	0.071	0	05:15	0.328	0.328	-0.001	
PWOPRMHS0005909	JUNCTION	0.235	0.306	0	05:15	1.13	1.46	0.051	
PWOPRMHS0005910	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0005911	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0005924	JUNCTION	0.169	0.169	0	05:15	0.682	0.682	-0.002	
PWOPRMHS0005926	JUNCTION	0.065	0.371	0	05:15	0.295	1.75	-0.040	
PWOPRMHS0005927	JUNCTION	0.067	0.606	0	05:15	0.309	2.74	0.219	
PWOPRMHS0005930	JUNCTION	0.132	1.141	0	05:15	0.503	5.2	-0.334	
PWOPRMHS0005931	JUNCTION	0.048	0.285	0	05:15	0.302	1.42	0.020	
PWOPRMHS0005932	JUNCTION	0.120	0.120	0	05:15	0.539	0.539	0.052	
PWOPRMHS0005944	JUNCTION	0.056	0.056	0	05:15	0.252	0.252	-0.011	
PWOPRMHS0005945	JUNCTION	0.000	0.238	0	05:15	0	1.12	0.001	
PWOPRMHS0005946	JUNCTION	0.182	0.182	0	05:15	0.87	0.87	-0.001	
SWMPOND	JUNCTION	0.248	2.505	0	05:13	1.09	11.5	-0.080	
A1_OVERFLOW	OUTFALL	0.000	2.519	0	05:15	0	4.21	0.000	
A2_OVERFLOW	OUTFALL	0.000	2.973	0	05:16	0	8.4	0.000	
A3_OVERFLOW	OUTFALL	0.000	18.111	0	05:15	0	152	0.000	
A4_OVERFLOW	OUTFALL	0.000	105.846	0	07:15	0	2.7e+03	0.000	
B1_OVERFLOW	OUTFALL	0.000	1.098	0	05:15	0	1.24	0.000	
B2_OVERFLOW	OUTFALL	0.000	9.749	0	05:25	0	42.9	0.000	
C1_OVERFLOW	OUTFALL	0.000	34.679	0	05:15	0	168	0.000	
D1_OVERFLOW	OUTFALL	0.000	23.445	0	05:15	0	131	0.000	
D2_OVERFLOW	OUTFALL	0.000	12.691	0	05:15	0	180	0.000	
D3_OVERFLOW	OUTFALL	0.000	39.875	0	07:50	0	763	0.000	
D4_OVERFLOW	OUTFALL	0.000	21.982	0	06:15	0	406	0.000	
E1_OVERFLOW	OUTFALL	0.000	228.960	0	10:00	0	8.2e+03	0.000	
E2_OVERFLOW	OUTFALL	0.000	125.128	0	13:05	0	4.5e+03	0.000	
HanlonCreek	OUTFALL	0.000	15.672	0	13:11	0	768	0.000	
S_A1	STORAGE	0.000	3.932	0	05:15	0	31.8	0.000	
S_A2	STORAGE	0.000	5.140	0	05:15	0	47.5	0.002	
S_A3	STORAGE	0.000	7.374	0	05:15	0	119	0.061	
S_A4	STORAGE	0.000	13.104	0	07:15	0	491	0.002	
S_B1	STORAGE	0.000	4.332	0	05:15	0	23.1	0.002	
S_B2	STORAGE	0.000	6.484	0	05:13	0	49.2	0.001	
S_C1	STORAGE	0.000	8.860	0	05:15	0	95	-0.039	
S_D1	STORAGE	0.000	8.448	0	05:15	0	103	-0.008	
S_D2	STORAGE	0.000	6.507	0	05:15	0	175	-0.006	
S_D3	STORAGE	0.000	7.738	0	07:15	0	201	0.002	
S_D4	STORAGE	0.000	7.039	0	05:15	0	205	0.002	
S_E1	STORAGE	0.000	16.657	0	09:49	0	744	0.012	
S_E2	STORAGE	0.000	15.896	0	11:36	0	748	0.001	

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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
S_A1	0.013	0	0	0	0.522	0	0	05:16	4.001
S_A2	0.546	0	0	0	13.057	5	0	06:08	3.868
S_A3	1.215	0	0	0	12.693	1	0	06:24	5.329
S_A4	7.786	0	0	0	45.072	2	0	07:48	12.654
S_B1	0.025	0	0	0	0.978	2	0	05:17	4.305
S_B2	0.577	1	0	0	14.713	19	0	05:37	4.736
S_C1	0.124	0	0	0	3.321	6	0	05:22	8.314
S_D1	0.434	0	0	0	8.331	3	0	05:39	6.443
S_D2	0.313	0	0	0	2.806	1	0	05:18	5.514
S_D3	1.548	1	0	0	18.640	15	0	08:02	7.709
S_D4	0.947	1	0	0	7.391	10	0	05:20	6.476
S_E1	4.281	7	0	0	25.024	41	0	10:00	19.940
S_E2	0.675	3	0	0	3.638	18	0	13:07	15.680

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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
A1_OVERFLOW	1.33	1.217	2.519	4.213
A2_OVERFLOW	2.21	1.461	2.973	8.396
A3_OVERFLOW	7.67	7.624	18.111	151.627
A4_OVERFLOW	22.43	46.515	105.846	2697.109
B1_OVERFLOW	0.82	0.584	1.098	1.240
B2_OVERFLOW	3.24	5.102	9.749	42.905
C1_OVERFLOW	5.43	11.894	34.679	167.659
D1_OVERFLOW	6.58	7.661	23.445	130.809
D2_OVERFLOW	14.22	4.876	12.691	179.613
D3_OVERFLOW	13.00	22.678	39.875	763.170
D4_OVERFLOW	14.92	10.519	21.982	406.274
E1_OVERFLOW	26.61	119.434	228.960	8196.842
E2_OVERFLOW	26.10	66.883	125.128	4498.913
HanlonCreek	99.30	2.996	15.672	767.948
System	17.42	309.442	15.672	18016.717

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Link Flow Summary
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	Maximum	Time of Max	Maximum	Max/	Max/

I.02 PCSWMM Output for the 100-Year AES Storm for Scenario 2

Link	Type	|Flow| CMS	Occurrence days	hr:min	|Veloc| m/sec	Full Flow	Full Depth
1	CONDUIT	5.169	0	05:15	3.05	0.05	0.21
10	CONDUIT	11.740	0	05:22	1.49	0.55	0.76
11	CONDUIT	9.829	0	05:15	3.53	0.18	0.32
12	CONDUIT	4.736	0	05:36	3.03	0.40	0.59
13	CONDUIT	4.305	0	05:17	3.00	0.05	0.19
14	CONDUIT	4.304	0	05:17	2.02	0.04	0.28
15	CONDUIT	11.658	0	05:17	2.68	0.12	0.50
16	CONDUIT	36.515	0	05:15	3.80	0.36	0.76
17	CONDUIT	9.421	0	05:21	1.57	0.11	0.69
18	CONDUIT	61.891	0	05:16	9.05	0.57	0.60
19	CONDUIT	12.752	0	07:44	4.03	0.12	0.35
2	CONDUIT	4.001	0	05:18	2.05	0.03	0.26
20	CONDUIT	12.751	0	07:42	3.15	0.12	0.42
21	CONDUIT	21.256	0	05:19	3.85	0.26	0.50
22	CONDUIT	19.940	0	10:29	3.26	0.51	0.58
23	CONDUIT	20.699	0	10:01	4.08	0.73	0.50
24	CONDUIT	15.680	0	13:07	6.16	0.08	0.29
25	CONDUIT	0.000	0	00:00	0.00	0.00	0.18
26	CONDUIT	7.733	0	08:39	2.54	0.26	0.35
27	CONDUIT	16.390	0	05:15	5.14	0.14	0.36
28	CONDUIT	6.443	0	05:39	3.53	0.06	0.23
29	CONDUIT	5.514	0	05:18	3.15	0.06	0.22
3	CONDUIT	6.658	0	05:15	2.74	0.14	0.28
30	CONDUIT	5.513	0	05:19	3.13	0.05	0.22
31	CONDUIT	5.515	0	05:19	2.58	0.06	0.26
32	CONDUIT	6.476	0	05:20	2.86	0.13	0.27
33	CONDUIT	6.476	0	05:21	3.28	0.06	0.24
34	CONDUIT	6.472	0	05:21	3.39	0.07	0.24
35	CONDUIT	7.915	0	05:17	2.36	0.06	0.36
36	CONDUIT	3.932	0	05:15	2.81	0.05	0.19
37	CONDUIT	7.709	0	08:41	2.04	0.11	0.40
38	CONDUIT	6.441	0	05:38	3.18	0.05	0.25
39	CONDUIT	6.507	0	05:15	3.28	0.12	0.24
4	CONDUIT	3.868	0	06:09	2.45	0.04	0.20
40	CONDUIT	5.514	0	05:18	3.29	0.04	0.21
41	CONDUIT	15.676	0	13:07	3.34	0.10	0.46
43	CONDUIT	0.526	0	05:15	0.65	0.01	0.14
44	CONDUIT	13.104	0	07:15	3.90	0.19	0.40
45	CONDUIT	105.846	0	07:15	9.93	0.19	0.36
46	CONDUIT	2.519	0	05:15	7.17	0.00	0.01
47	CONDUIT	12.654	0	07:48	3.91	0.14	0.35
48	CONDUIT	5.140	0	05:15	3.88	0.06	0.20
49	CONDUIT	2.973	0	05:16	2.23	0.01	0.04
5	CONDUIT	3.868	0	06:10	2.23	0.06	0.25
50	CONDUIT	7.374	0	05:15	3.69	0.16	0.24
51	CONDUIT	18.111	0	05:15	3.45	0.06	0.18
52	CONDUIT	4.332	0	05:15	2.66	0.05	0.21
53	CONDUIT	1.098	0	05:15	1.72	0.00	0.02
54	CONDUIT	8.860	0	05:15	3.01	0.12	0.33
55	CONDUIT	34.679	0	05:15	5.36	0.08	0.22
56	CONDUIT	9.749	0	05:25	3.85	0.02	0.08
57	CONDUIT	6.484	0	05:13	3.85	0.07	0.27
58	CONDUIT	7.738	0	07:15	2.77	0.13	0.37
59	CONDUIT	39.875	0	07:50	5.26	0.11	0.25

6	CONDUIT	9.257	0	05:15	3.38	0.10	0.31
60	CONDUIT	8.448	0	05:15	3.44	0.15	0.29
61	CONDUIT	23.445	0	05:15	3.70	0.08	0.21
62	CONDUIT	12.691	0	05:15	2.99	0.04	0.14
63	CONDUIT	5.994	0	06:15	2.42	0.08	0.29
64	CONDUIT	21.982	0	06:15	5.73	0.03	0.13
65	CONDUIT	15.896	0	11:36	4.80	0.20	0.36
66	CONDUIT	125.128	0	13:05	11.46	0.20	0.36
67	CONDUIT	228.960	0	10:00	15.22	0.33	0.50
68	CONDUIT	16.657	0	09:49	3.07	0.11	0.55
7	CONDUIT	5.329	0	06:24	2.38	0.04	0.54
70	CONDUIT	15.672	0	13:11	2.63	0.63	0.55
8	CONDUIT	53.408	0	05:14	4.71	0.52	0.63
9	CONDUIT	8.314	0	05:22	2.41	0.10	0.38
PWOPRSES0001498	CONDUIT	0.226	0	05:15	1.20	0.03	0.11
PWOPRSES0001507	CONDUIT	0.385	0	05:15	1.43	0.04	0.14
PWOPRSES0001510	CONDUIT	0.240	0	05:15	1.15	0.02	0.12
PWOPRSES0001511	CONDUIT	0.191	0	05:15	1.23	0.02	0.10
PWOPRSES0001512	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
PWOPRSES0001515	CONDUIT	0.000	0	00:00	0.00	0.00	0.01
PWOPRSES0001516	CONDUIT	0.153	0	05:15	1.74	0.01	0.07
PWOPRSES0001518	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
PWOPRSES0001519	CONDUIT	0.788	0	05:15	1.54	0.05	0.17
PWOPRSES0001520	CONDUIT	0.164	0	05:16	1.07	0.02	0.10
PWOPRSES0001521	CONDUIT	0.164	0	05:15	1.13	0.02	0.09
PWOPRSES0001522	CONDUIT	0.076	0	05:15	0.84	0.01	0.07
PWOPRSES0001524	CONDUIT	0.089	0	05:15	1.43	0.00	0.05
PWOPRSES0001525	CONDUIT	0.216	0	05:15	1.20	0.02	0.11
PWOPRSES0001530	CONDUIT	0.625	0	05:15	1.28	0.04	0.16
PWOPRSES0001534	CONDUIT	1.300	0	05:15	1.57	0.09	0.24
PWOPRSES0001535	CONDUIT	1.191	0	05:15	1.65	0.07	0.21
PWOPRSES0001536	CONDUIT	1.003	0	05:15	1.73	0.06	0.18
PWOPRSES0001537	CONDUIT	1.004	0	05:15	1.69	0.06	0.18
PWOPRSES0001538	CONDUIT	0.216	0	05:15	0.88	0.01	0.13
PWOPRSES0001541	CONDUIT	0.226	0	05:15	1.27	0.02	0.11
PWOPRSES0001542	CONDUIT	0.226	0	05:15	1.32	0.02	0.10
PWOPRSES0001543	CONDUIT	0.331	0	05:15	0.29	0.01	0.27
PWOPRSES0001544	CONDUIT	0.461	0	05:15	0.61	0.02	0.16
PWOPRSES0001545	CONDUIT	0.218	0	05:15	1.20	0.02	0.11
PWOPRSES0001546	CONDUIT	0.871	0	05:15	3.44	0.03	0.13
PWOPRSES0001547	CONDUIT	0.747	0	05:15	1.95	0.06	0.18
PWOPRSES0001548	CONDUIT	0.047	0	05:15	1.90	0.00	0.03
PWOPRSES0001551	CONDUIT	0.748	0	05:15	2.65	0.03	0.15
PWOPRSES0001555	CONDUIT	0.957	0	05:15	4.63	0.03	0.12
PWOPRSES0001556	CONDUIT	1.026	0	05:15	3.28	0.03	0.16
PWOPRSES0001557	CONDUIT	0.350	0	05:15	2.64	0.00	0.09
PWOPRSES0001558	CONDUIT	2.451	0	05:15	1.73	0.12	0.33
PWOPRSES0001559	CONDUIT	2.416	0	05:15	3.90	0.07	0.25
PWOPRSES0001564	CONDUIT	1.026	0	05:15	2.77	0.03	0.21
PWOPRSES0001565	CONDUIT	3.974	0	05:15	2.07	0.29	0.41
PWOPRSES0001566	CONDUIT	2.900	0	05:15	1.65	0.19	0.39
PWOPRSES0001567	CONDUIT	0.054	0	05:15	1.12	0.00	0.03
PWOPRSES0001571	CONDUIT	0.000	0	00:00	0.00	0.00	0.04
PWOPRSES0001572	CONDUIT	2.130	0	05:15	4.19	0.10	0.22
PWOPRSES0001575	CONDUIT	1.802	0	05:15	1.27	0.11	0.34
PWOPRSES0001576	CONDUIT	0.504	0	05:15	0.97	0.06	0.22
PWOPRSES0001577	CONDUIT	1.300	0	05:15	1.44	0.07	0.25

PWOPRSES0001579	CONDUIT	0.153	0	05:15	1.67	0.01	0.07
PWOPRSES0001580	CONDUIT	0.189	0	05:15	1.89	0.01	0.07
PWOPRSES0001581	CONDUIT	0.189	0	05:15	1.48	0.01	0.08
PWOPRSES0001582	CONDUIT	0.230	0	05:15	1.44	0.02	0.10
PWOPRSES0001583	CONDUIT	0.000	0	00:00	0.00	0.00	0.02
PWOPRSES0001584	CONDUIT	0.109	0	05:15	1.78	0.00	0.05
PWOPRSES0001585	CONDUIT	0.230	0	05:15	1.26	0.02	0.11
PWOPRSES0001586	CONDUIT	0.165	0	05:15	1.46	0.01	0.08
PWOPRSES0001587	CONDUIT	0.338	0	05:15	1.59	0.02	0.12
PWOPRSES0001633	CONDUIT	0.241	0	05:15	1.51	0.03	0.10
PWOPRSES0001634	CONDUIT	0.039	0	05:15	1.02	0.00	0.04
PWOPRSES0001654	CONDUIT	1.478	0	05:15	1.83	0.16	0.30
PWOPRSES0001655	CONDUIT	1.889	0	05:15	2.71	0.14	0.27
PWOPRSES0001656	CONDUIT	1.974	0	05:15	2.97	0.15	0.26
PWOPRSES0001658	CONDUIT	1.390	0	05:15	1.75	0.16	0.30
PWOPRSES0001660	CONDUIT	1.619	0	05:15	1.80	0.20	0.33
PWOPRSES0001662	CONDUIT	0.193	0	05:15	1.67	0.01	0.08
PWOPRSES0001663	CONDUIT	0.193	0	05:15	1.47	0.02	0.09
PWOPRSES0001667	CONDUIT	2.453	0	05:15	2.48	0.17	0.35
PWOPRSES0001679	CONDUIT	0.123	0	05:15	1.56	0.01	0.06
PWOPRSES0001680	CONDUIT	0.345	0	05:15	2.44	0.01	0.09
PWOPRSES0001681	CONDUIT	0.301	0	05:15	3.37	0.01	0.07
PWOPRSES0001682	CONDUIT	0.841	0	05:15	1.96	0.08	0.19
PWOPRSES0001684	CONDUIT	0.179	0	05:15	1.39	0.01	0.08
PWOPRSES0001687	CONDUIT	0.105	0	05:15	2.02	0.00	0.05
PWOPRSES0001688	CONDUIT	0.475	0	05:15	2.81	0.02	0.10
PWOPRSES0001698	CONDUIT	0.475	0	05:15	2.49	0.02	0.11
PWOPRSES0001699	CONDUIT	0.475	0	05:15	2.42	0.02	0.11
PWOPRSES0001711	CONDUIT	0.370	0	05:15	1.55	0.04	0.13
PWOPRSES0001712	CONDUIT	0.200	0	05:15	1.82	0.01	0.09
PWOPRSES0001713	CONDUIT	0.616	0	05:15	1.37	0.06	0.20
PWOPRSES0001718	CONDUIT	0.388	0	05:14	1.17	0.06	0.18
PWOPRSES0001720	CONDUIT	0.102	0	05:15	1.19	0.01	0.06
PWOPRSES0001721	CONDUIT	0.240	0	05:15	1.30	0.02	0.11
PWOPRSES0001724	CONDUIT	3.271	0	05:15	1.78	0.22	0.40
PWOPRSES0001725	CONDUIT	3.270	0	05:15	1.85	0.17	0.40
PWOPRSES0001728	CONDUIT	3.410	0	05:15	2.06	0.17	0.38
PWOPRSES0001730	CONDUIT	4.055	0	05:15	3.80	0.22	0.28
PWOPRSES0001732	CONDUIT	0.101	0	05:15	1.49	0.01	0.05
PWOPRSES0001733	CONDUIT	0.646	0	05:15	1.31	0.17	0.21
PWOPRSES0001744	CONDUIT	1.545	0	05:15	1.72	0.15	0.33
PWOPRSES0001745	CONDUIT	1.152	0	05:15	3.10	0.04	0.18
PWOPRSES0001747	CONDUIT	0.057	0	05:15	1.78	0.00	0.03
PWOPRSES0001748	CONDUIT	1.288	0	05:15	1.87	0.07	0.27
PWOPRSES0001750	CONDUIT	1.937	0	05:15	1.57	0.15	0.42
PWOPRSES0001753	CONDUIT	1.912	0	05:15	1.72	0.13	0.38
PWOPRSES0001754	CONDUIT	0.057	0	05:15	0.98	0.00	0.05
PWOPRSES0001755	CONDUIT	1.516	0	05:15	1.68	0.17	0.33
PWOPRSES0001756	CONDUIT	1.545	0	05:15	1.86	0.17	0.31
PWOPRSES0001757	CONDUIT	1.508	0	05:15	1.88	0.16	0.30
PWOPRSES0001758	CONDUIT	0.058	0	05:15	1.01	0.00	0.05
PWOPRSES0001759	CONDUIT	1.590	0	05:15	1.92	0.13	0.31
PWOPRSES0001760	CONDUIT	1.642	0	05:15	2.15	0.15	0.29
PWOPRSES0001761	CONDUIT	0.190	0	05:15	1.19	0.02	0.10
PWOPRSES0001765A	CONDUIT	0.521	0	05:15	1.15	0.06	0.20
PWOPRSES0001765B	CONDUIT	1.038	0	05:15	1.90	0.11	0.23
PWOPRSES0001766	CONDUIT	0.518	0	05:15	2.40	0.03	0.12

PWOPRSES0001768	CONDUIT	0.319	0	05:15	1.83	0.02	0.10
PWOPRSES0001770	CONDUIT	0.380	0	05:15	1.61	0.03	0.13
PWOPRSES0001771	CONDUIT	0.248	0	05:15	2.75	0.01	0.07
PWOPRSES0001774	CONDUIT	2.108	0	05:09	1.08	0.25	0.52
PWOPRSES0001775	CONDUIT	3.623	0	05:17	1.32	0.03	0.41
PWOPRSES0001776	CONDUIT	0.637	0	05:15	0.82	0.07	0.34
PWOPRSES0001777	CONDUIT	0.198	0	05:15	1.15	0.02	0.11
PWOPRSES0001778	CONDUIT	0.371	0	05:15	1.19	0.05	0.16
PWOPRSES0001779	CONDUIT	2.626	0	05:15	2.37	0.04	0.29
PWOPRSES0001780	CONDUIT	0.244	0	05:15	1.31	0.02	0.11
PWOPRSES0001781	CONDUIT	0.000	0	00:00	0.00	0.00	0.05
PWOPRSES0001782	CONDUIT	0.352	0	05:15	1.30	0.03	0.14
PWOPRSES0001783	CONDUIT	0.176	0	05:15	1.27	0.02	0.09
PWOPRSES0001784	CONDUIT	3.381	0	05:15	2.29	0.34	0.48
PWOPRSES0001785	CONDUIT	2.287	0	05:16	2.27	0.20	0.36
PWOPRSES0001786	CONDUIT	0.343	0	05:15	1.50	0.03	0.14
PWOPRSES0001790	CONDUIT	0.161	0	05:15	0.97	0.02	0.12
PWOPRSES0001791	CONDUIT	0.431	0	05:16	1.38	0.04	0.22
PWOPRSES0001797	CONDUIT	3.378	0	05:16	2.23	0.45	0.49
PWOPRSES0001798	CONDUIT	3.546	0	05:15	4.55	0.06	0.26
PWOPRSES0001803	CONDUIT	0.326	0	05:13	0.66	0.04	0.32
PWOPRSES0001806	CONDUIT	0.767	0	05:15	2.28	0.06	0.17
PWOPRSES0001807	CONDUIT	1.975	0	05:14	1.71	0.18	0.34
PWOPRSES0001808	CONDUIT	0.067	0	05:15	1.14	0.00	0.05
PWOPRSES0001809	CONDUIT	0.707	0	05:15	1.91	0.06	0.18
PWOPRSES0001810	CONDUIT	0.000	0	00:00	0.00	0.00	0.03
PWOPRSES0001812	CONDUIT	0.770	0	05:12	1.46	0.06	0.23
PWOPRSES0001819	CONDUIT	0.398	0	05:15	2.24	0.02	0.11
PWOPRSES0001821	CONDUIT	0.576	0	05:15	2.26	0.04	0.14
PWOPRSES0001822	CONDUIT	0.178	0	05:15	2.70	0.01	0.05
PWOPRSES0001823	CONDUIT	0.726	0	05:15	1.48	0.08	0.21
PWOPRSES0001824	CONDUIT	1.967	0	05:15	1.84	0.25	0.37
PWOPRSES0001825	CONDUIT	1.098	0	05:15	1.80	0.13	0.25
PWOPRSES0001826	CONDUIT	0.760	0	05:15	1.37	0.18	0.23
PWOPRSES0001827	CONDUIT	1.153	0	05:15	1.66	0.13	0.27
PWOPRSES0001828	CONDUIT	1.181	0	05:15	1.60	0.11	0.29
PWOPRSES0001829	CONDUIT	3.280	0	05:15	1.41	0.06	0.28
PWOPRSES0001840	CONDUIT	0.804	0	05:13	1.35	0.07	0.31
PWOPRSES0001841	CONDUIT	2.288	0	05:14	2.55	0.12	0.40
PWOPRSES0001842	CONDUIT	1.391	0	05:16	2.24	0.05	0.34
PWOPRSES0001844	CONDUIT	0.096	0	05:15	1.36	0.00	0.07
PWOPRSES0001845	CONDUIT	0.228	0	05:15	1.58	0.02	0.09
PWOPRSES0001855	CONDUIT	0.740	0	05:15	2.85	0.03	0.14
PWOPRSES0001856	CONDUIT	0.289	0	05:15	2.81	0.01	0.07
PWOPRSES0001861	CONDUIT	0.068	0	05:15	1.21	0.00	0.05
PWOPRSES0001862	CONDUIT	0.222	0	05:15	1.95	0.01	0.08
PWOPRSES0001865	CONDUIT	0.408	0	05:15	1.62	0.04	0.13
PWOPRSES0001866	CONDUIT	0.341	0	05:15	3.20	0.01	0.07
PWOPRSES0001868	CONDUIT	0.268	0	05:15	0.84	0.03	0.16
PWOPRSES0001890	CONDUIT	0.516	0	05:15	2.23	0.03	0.13
PWOPRSES0001891	CONDUIT	0.475	0	05:15	1.99	0.03	0.13
PWOPRSES0001892	CONDUIT	0.181	0	05:15	1.03	0.02	0.10
PWOPRSES0001895	CONDUIT	0.321	0	05:15	2.02	0.02	0.10
PWOPRSES0001896	CONDUIT	0.334	0	05:15	2.34	0.02	0.09
PWOPRSES0001897	CONDUIT	0.334	0	05:15	2.02	0.01	0.10
PWOPRSES0001899	CONDUIT	0.241	0	05:15	1.74	0.01	0.09
PWOPRSES0001900	CONDUIT	0.241	0	05:15	1.73	0.01	0.09

PWOPRSES0001904	CONDUIT	0.474	0	05:15	1.34	0.04	0.20
PWOPRSES0001905	CONDUIT	1.246	0	05:15	1.55	0.13	0.32
PWOPRSES0001906	CONDUIT	0.710	0	05:15	1.10	0.07	0.26
PWOPRSES0001919	CONDUIT	0.000	0	00:00	0.00	0.00	0.04
PWOPRSES0001930	CONDUIT	0.292	0	05:15	1.37	0.03	0.12
PWOPRSES0001931	CONDUIT	0.589	0	05:15	1.44	0.09	0.19
PWOPRSES0001932	CONDUIT	0.000	0	00:00	0.00	0.00	0.01
PWOPRSES0001941	CONDUIT	0.644	0	05:15	2.72	0.03	0.13
PWOPRSES0001942	CONDUIT	0.471	0	05:15	2.93	0.02	0.10
PWOPRSES0001943	CONDUIT	0.471	0	05:15	1.71	0.04	0.14
PWOPRSES0001944	CONDUIT	0.471	0	05:15	1.76	0.04	0.14
PWOPRSES0001951	CONDUIT	0.000	0	00:00	0.00	0.00	0.06
PWOPRSES0001952	CONDUIT	0.330	0	05:15	1.51	0.03	0.12
PWOPRSES0001960	CONDUIT	0.330	0	05:15	1.54	0.03	0.12
PWOPRSES0001961	CONDUIT	0.587	0	05:15	2.48	0.03	0.13
PWOPRSES0001962	CONDUIT	0.779	0	05:12	1.41	0.07	0.23
PWOPRSES0001963	CONDUIT	0.258	0	05:15	1.64	0.01	0.12
PWOPRSES0001968	CONDUIT	0.258	0	05:15	3.81	0.01	0.05
PWOPRSES0001972	CONDUIT	0.268	0	05:15	1.21	0.03	0.12
PWOPRSES0001976	CONDUIT	4.119	0	05:16	2.40	0.34	0.38
PWOPRSES0001977	CONDUIT	0.519	0	05:15	1.82	0.04	0.15
PWOPRSES0001978	CONDUIT	4.785	0	05:15	2.82	0.12	0.29
PWOPRSES0001979	CONDUIT	0.519	0	05:15	1.96	0.03	0.14
PWOPRSES0001984	CONDUIT	4.025	0	05:16	2.27	0.29	0.39
PWOPRSES0002119	CONDUIT	0.359	0	05:15	1.45	0.04	0.13
PWOPRSES0002120	CONDUIT	0.417	0	05:15	1.30	0.03	0.16
PWOPRSES0002121	CONDUIT	0.359	0	05:15	1.17	0.05	0.15
PWOPRSES0002122	CONDUIT	0.522	0	05:15	1.65	0.04	0.16
PWOPRSES0003435	CONDUIT	1.102	0	05:15	2.66	0.05	0.19
PWOPRSES0003436	CONDUIT	1.117	0	05:15	2.05	0.10	0.23
PWOPRSES0003439	CONDUIT	0.000	0	00:00	0.00	0.00	0.02
PWOPRSES0003446	CONDUIT	0.923	0	05:15	1.58	0.14	0.24
PWOPRSES0003447	CONDUIT	0.923	0	05:15	4.07	0.03	0.12
PWOPRSES0003448	CONDUIT	0.923	0	05:15	2.64	0.04	0.17
PWOPRSES0003449	CONDUIT	1.047	0	05:15	3.36	0.05	0.16
PWOPRSES0003457	CONDUIT	0.380	0	05:15	1.49	0.03	0.14
PWOPRSES0003465	CONDUIT	0.227	0	05:15	2.20	0.01	0.07
PWOPRSES0003466	CONDUIT	0.673	0	05:15	1.51	0.06	0.20
PWOPRSES0004584	CONDUIT	0.464	0	05:15	2.91	0.02	0.10
PWOPRSES0004585	CONDUIT	0.464	0	05:15	2.30	0.01	0.12
PWOPRSES0004586	CONDUIT	0.504	0	05:15	2.06	0.03	0.13
PWOPRSES0004587	CONDUIT	0.239	0	05:15	1.25	0.02	0.11
PWOPRSES0004588	CONDUIT	0.523	0	05:15	1.72	0.05	0.15
PWOPRSES0004589	CONDUIT	0.310	0	05:15	2.04	0.01	0.10
PWOPRSES0004590	CONDUIT	0.544	0	05:15	1.91	0.03	0.15
PWOPRSES0004591	CONDUIT	1.493	0	05:15	1.97	0.07	0.22
PWOPRSES0004592	CONDUIT	1.672	0	05:15	2.12	0.08	0.23
PWOPRSES0004593	CONDUIT	0.180	0	05:15	1.56	0.01	0.10
PWOPRSES0004594	CONDUIT	1.866	0	05:15	1.58	0.09	0.30
PWOPRSES0004597	CONDUIT	0.000	0	00:00	0.00	0.00	0.02
PWOPRSES0004603	CONDUIT	0.261	0	05:15	1.64	0.02	0.10
PWOPRSES0004637	CONDUIT	0.416	0	05:15	2.77	0.02	0.09
PWOPRSES0005529	CONDUIT	0.007	0	05:15	0.52	0.00	0.04
PWOPRSES0005530	CONDUIT	0.004	0	05:15	0.74	0.00	0.01
PWOPRSES0005531	CONDUIT	0.294	0	05:15	1.13	0.05	0.14
PWOPRSES0005532	CONDUIT	0.323	0	05:15	0.97	0.02	0.24
PWOPRSES0005534	CONDUIT	2.287	0	05:15	2.22	0.25	0.36

PWOPRSES0005535	CONDUIT	0.032	0	05:15	0.83	0.00	0.04
PWOPRSES0005536	CONDUIT	0.093	0	05:15	1.76	0.00	0.05
PWOPRSES0005537	CONDUIT	0.093	0	05:15	1.67	0.00	0.06
PWOPRSES0005539	CONDUIT	0.096	0	05:15	1.16	0.01	0.06
PWOPRSES0005540	CONDUIT	0.277	0	05:15	1.62	0.02	0.10
PWOPRSES0005541	CONDUIT	0.277	0	05:15	1.99	0.02	0.09
PWOPRSES0005710	CONDUIT	4.151	0	05:15	3.15	0.04	0.18
PWOPRSES0005734	CONDUIT	0.014	0	05:15	0.52	0.00	0.12
PWOPRSES0005735	CONDUIT	1.003	0	05:15	1.91	0.10	0.22
PWOPRSES0005736	CONDUIT	0.961	0	05:15	2.64	0.06	0.17
PWOPRSES0005739	CONDUIT	0.617	0	05:15	2.35	0.02	0.14
PWOPRSES0005744	CONDUIT	0.331	0	05:15	1.37	0.01	0.13
PWOPRSES0005766	CONDUIT	1.079	0	05:15	2.18	0.09	0.21
PWOPRSES0005767	CONDUIT	1.117	0	05:15	2.18	0.10	0.22
PWOPRSES0005768	CONDUIT	1.181	0	05:15	2.31	0.10	0.22
PWOPRSES0005769	CONDUIT	1.424	0	05:15	0.64	0.02	0.43
PWOPRSES0005770	CONDUIT	0.192	0	05:15	1.42	0.02	0.09
PWOPRSES0005771	CONDUIT	0.212	0	05:15	1.26	0.01	0.11
PWOPRSES0006537	CONDUIT	0.056	0	05:15	0.48	0.01	0.08
PWOPRSES0006538	CONDUIT	0.000	0	00:00	0.00	0.00	0.05
PWOPRSES0006542	CONDUIT	0.071	0	05:15	0.92	0.01	0.06
PWOPRSES0006547	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
PWOPRSES0006548	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
PWOPRSES0006549	CONDUIT	0.306	0	05:15	1.58	0.03	0.11
PWOPRSES0006550	CONDUIT	0.371	0	05:15	1.46	0.04	0.13
PWOPRSES0006551	CONDUIT	0.168	0	05:15	1.35	0.01	0.08
PWOPRSES0006552	CONDUIT	0.606	0	05:15	1.56	0.06	0.18
PWOPRSES0006553	CONDUIT	1.137	0	05:15	1.27	0.04	0.19
PWOPRSES0006554	CONDUIT	0.285	0	05:15	1.75	0.01	0.11
PWOPRSES0006555	CONDUIT	0.120	0	05:15	0.91	0.01	0.10
PWOPRSES0006576	CONDUIT	0.182	0	05:15	1.34	0.02	0.09
PWOPRSES0006577	CONDUIT	0.237	0	05:15	1.47	0.02	0.10
STMEasement	CONDUIT	0.388	0	05:15	1.14	0.04	0.17
SWMPOND_OUT	CONDUIT	2.655	0	05:12	0.84	0.07	0.50

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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
1	1.00	0.71	0.00	0.00	0.25	0.04	0.00	0.00	0.97	0.00
10	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.83	0.00
11	1.00	0.30	0.00	0.00	0.69	0.01	0.00	0.00	0.05	0.00
12	1.00	0.61	0.01	0.00	0.33	0.06	0.00	0.00	0.96	0.00
13	1.00	0.40	0.00	0.00	0.50	0.09	0.00	0.00	0.02	0.00
14	1.00	0.30	0.20	0.00	0.50	0.00	0.00	0.00	0.99	0.00
15	1.00	0.59	0.02	0.00	0.31	0.08	0.00	0.00	0.90	0.00
16	1.00	0.00	0.63	0.00	0.35	0.02	0.00	0.00	0.98	0.00
17	1.00	0.00	0.59	0.00	0.41	0.00	0.00	0.00	0.95	0.00
18	1.00	0.00	0.00	0.00	0.92	0.08	0.00	0.00	0.85	0.00
19	1.00	0.00	0.00	0.00	0.58	0.41	0.00	0.00	0.81	0.00
2	1.00	0.36	0.35	0.00	0.28	0.00	0.00	0.00	0.97	0.00

20	1.00	0.00	0.00	0.00	0.76	0.24	0.00	0.00	0.80	0.00
21	1.00	0.00	0.00	0.00	0.96	0.03	0.00	0.00	0.05	0.00
22	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.62	0.00
23	1.00	0.00	0.00	0.00	0.89	0.10	0.00	0.00	0.01	0.00
24	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.96	0.00
25	1.00	0.55	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	1.00	0.06	0.00	0.00	0.94	0.00	0.00	0.00	0.30	0.00
27	1.00	0.55	0.00	0.00	0.40	0.05	0.00	0.00	0.23	0.00
28	1.00	0.65	0.06	0.00	0.12	0.17	0.00	0.00	0.90	0.00
29	1.00	0.40	0.00	0.00	0.39	0.21	0.00	0.00	0.17	0.00
3	1.00	0.36	0.00	0.00	0.63	0.01	0.00	0.00	0.04	0.00
30	1.00	0.34	0.08	0.00	0.37	0.21	0.00	0.00	0.97	0.00
31	1.00	0.33	0.01	0.00	0.58	0.08	0.00	0.00	0.29	0.00
32	1.00	0.29	0.00	0.00	0.55	0.16	0.00	0.00	0.00	0.00
33	1.00	0.39	0.02	0.00	0.37	0.22	0.00	0.00	0.74	0.00
34	1.00	0.38	0.01	0.00	0.39	0.22	0.00	0.00	0.61	0.00
35	1.00	0.00	0.37	0.00	0.60	0.02	0.00	0.00	0.97	0.00
36	1.00	0.71	0.00	0.00	0.19	0.10	0.00	0.00	0.04	0.00
37	1.00	0.06	0.64	0.00	0.31	0.00	0.00	0.00	0.83	0.00
38	1.00	0.49	0.16	0.00	0.29	0.06	0.00	0.00	0.99	0.00
39	1.00	0.40	0.08	0.00	0.35	0.17	0.00	0.00	0.51	0.00
4	1.00	0.61	0.07	0.00	0.23	0.09	0.00	0.00	0.92	0.00
40	1.00	0.40	0.01	0.00	0.37	0.23	0.00	0.00	0.82	0.00
41	1.00	0.00	0.00	0.00	0.83	0.16	0.00	0.00	0.99	0.00
43	1.00	0.75	0.00	0.00	0.25	0.00	0.00	0.00	0.22	0.00
44	1.00	0.00	0.01	0.00	0.73	0.25	0.00	0.00	0.77	0.00
45	1.00	0.78	0.00	0.00	0.00	0.22	0.00	0.00	0.11	0.00
46	10.96	0.99	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
47	1.00	0.00	0.01	0.00	0.65	0.34	0.00	0.00	0.10	0.00
48	1.00	0.68	0.01	0.00	0.24	0.07	0.00	0.00	0.85	0.00
49	1.00	0.98	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00
5	1.00	0.44	0.18	0.00	0.37	0.01	0.00	0.00	0.91	0.00
50	1.00	0.00	0.55	0.00	0.33	0.11	0.00	0.00	0.83	0.00
51	1.00	0.92	0.00	0.00	0.00	0.08	0.00	0.00	0.04	0.00
52	1.00	0.40	0.37	0.00	0.17	0.05	0.00	0.00	0.88	0.00
53	1.20	0.99	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
54	1.00	0.67	0.15	0.00	0.12	0.06	0.00	0.00	0.89	0.00
55	1.00	0.95	0.00	0.00	0.00	0.05	0.00	0.00	0.03	0.00
56	1.00	0.97	0.00	0.00	0.00	0.03	0.00	0.00	0.02	0.00
57	1.00	0.61	0.06	0.00	0.28	0.05	0.00	0.00	0.91	0.00
58	1.00	0.69	0.06	0.00	0.24	0.01	0.00	0.00	0.78	0.00
59	1.00	0.87	0.00	0.00	0.00	0.13	0.00	0.00	0.08	0.00
6	1.00	0.44	0.00	0.00	0.53	0.03	0.00	0.00	0.43	0.00
60	1.00	0.71	0.03	0.00	0.18	0.07	0.00	0.00	0.77	0.00
61	1.00	0.93	0.00	0.00	0.00	0.07	0.00	0.00	0.02	0.00
62	1.00	0.86	0.00	0.00	0.00	0.14	0.00	0.00	0.04	0.00
63	1.00	0.29	0.24	0.00	0.45	0.02	0.00	0.00	0.80	0.00
64	1.27	0.85	0.00	0.00	0.00	0.15	0.00	0.00	0.11	0.00
65	1.17	0.00	0.00	0.00	0.52	0.48	0.00	0.00	0.31	0.00
66	1.49	0.74	0.00	0.00	0.00	0.26	0.00	0.00	0.13	0.00
67	1.68	0.73	0.00	0.00	0.00	0.27	0.00	0.00	0.16	0.00
68	1.46	0.00	0.00	0.00	0.96	0.03	0.00	0.00	0.68	0.00
7	1.00	0.00	0.01	0.00	0.97	0.02	0.00	0.00	0.99	0.00
70	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
8	1.00	0.00	0.00	0.00	0.93	0.07	0.00	0.00	0.00	0.00
9	1.00	0.02	0.65	0.00	0.33	0.00	0.00	0.00	0.91	0.00
PWOPRSES0001498	1.00	0.00	0.00	0.00	0.03	0.04	0.00	0.92	0.00	0.00

PWOPRSES0001507	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001510	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001511	1.00	0.00	0.00	0.00	0.00	0.09	0.00	0.91	0.00	0.00
PWOPRSES0001512	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001515	1.00	0.99	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001516	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001518	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001519	1.00	0.82	0.00	0.00	0.02	0.00	0.00	0.16	0.00	0.00
PWOPRSES0001520	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001521	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001522	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001524	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001525	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001530	1.00	0.83	0.00	0.00	0.15	0.00	0.00	0.02	0.15	0.00
PWOPRSES0001534	1.00	0.82	0.00	0.00	0.06	0.00	0.00	0.11	0.01	0.00
PWOPRSES0001535	1.00	0.82	0.00	0.00	0.18	0.00	0.00	0.00	0.18	0.00
PWOPRSES0001536	1.00	0.82	0.00	0.00	0.02	0.00	0.00	0.16	0.00	0.00
PWOPRSES0001537	1.00	0.82	0.00	0.00	0.10	0.00	0.00	0.08	0.00	0.00
PWOPRSES0001538	1.00	0.82	0.00	0.00	0.17	0.00	0.00	0.00	1.00	0.00
PWOPRSES0001541	1.00	0.00	0.82	0.00	0.15	0.02	0.00	0.00	0.96	0.00
PWOPRSES0001542	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001543	1.00	0.00	0.81	0.00	0.18	0.01	0.00	0.00	0.99	0.00
PWOPRSES0001544	1.00	0.38	0.42	0.00	0.20	0.00	0.00	0.00	0.98	0.00
PWOPRSES0001545	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001546	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001547	1.00	0.00	0.00	0.00	0.00	0.07	0.00	0.93	0.00	0.00
PWOPRSES0001548	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001551	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.00	0.00
PWOPRSES0001555	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001556	1.00	0.00	0.82	0.00	0.00	0.17	0.00	0.00	1.00	0.00
PWOPRSES0001557	1.65	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0001558	1.00	0.00	0.00	0.00	0.18	0.00	0.00	0.82	0.00	0.00
PWOPRSES0001559	1.00	0.00	0.81	0.00	0.01	0.18	0.00	0.00	1.00	0.00
PWOPRSES0001564	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0001565	1.00	0.81	0.00	0.00	0.19	0.00	0.00	0.00	0.83	0.00
PWOPRSES0001566	1.00	0.00	0.00	0.00	0.06	0.00	0.00	0.94	0.00	0.00
PWOPRSES0001567	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001571	1.00	0.92	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001572	1.00	0.00	0.00	0.00	0.81	0.18	0.00	0.00	0.00	0.00
PWOPRSES0001575	1.00	0.29	0.51	0.00	0.20	0.00	0.00	0.00	0.87	0.00
PWOPRSES0001576	1.00	0.80	0.03	0.00	0.18	0.00	0.00	0.00	0.88	0.00
PWOPRSES0001577	1.00	0.80	0.03	0.00	0.18	0.00	0.00	0.00	0.92	0.00
PWOPRSES0001579	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001580	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001581	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001582	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001583	1.12	0.99	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001584	1.13	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001585	1.00	0.00	0.00	0.00	0.96	0.04	0.00	0.00	0.92	0.00
PWOPRSES0001586	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001587	1.00	0.83	0.00	0.00	0.09	0.08	0.00	0.00	0.98	0.00
PWOPRSES0001633	1.00	0.00	0.00	0.00	0.90	0.10	0.00	0.00	0.82	0.00
PWOPRSES0001634	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001654	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001655	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001656	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001658	1.00	0.00	0.82	0.00	0.18	0.00	0.00	0.00	0.90	0.00

PWOPRSES0001660	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001662	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001663	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001667	1.00	0.00	0.00	0.00	0.00	0.05	0.00	0.95	0.01	0.00
PWOPRSES0001679	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001680	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001681	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001682	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001684	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001687	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
PWOPRSES0001688	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001698	1.00	0.00	0.82	0.00	0.01	0.16	0.00	0.00	0.93	0.00
PWOPRSES0001699	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0001711	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001712	1.51	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0001713	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.97	0.00	0.00
PWOPRSES0001718	1.00	0.00	0.82	0.00	0.18	0.00	0.00	0.00	0.83	0.00
PWOPRSES0001720	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001721	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001724	1.00	0.82	0.00	0.00	0.18	0.00	0.00	0.00	0.09	0.00
PWOPRSES0001725	1.00	0.82	0.00	0.00	0.02	0.00	0.00	0.16	0.00	0.00
PWOPRSES0001728	1.00	0.82	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.00
PWOPRSES0001730	1.00	0.82	0.00	0.00	0.12	0.06	0.00	0.00	0.00	0.00
PWOPRSES0001732	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001733	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001744	1.00	0.00	0.00	0.00	0.02	0.01	0.00	0.97	0.00	0.00
PWOPRSES0001745	1.16	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001747	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001748	1.00	0.00	0.00	0.00	0.01	0.02	0.00	0.96	0.03	0.00
PWOPRSES0001750	1.00	0.00	0.00	0.00	0.05	0.06	0.00	0.89	0.00	0.00
PWOPRSES0001753	1.00	0.00	0.82	0.00	0.05	0.13	0.00	0.00	0.90	0.00
PWOPRSES0001754	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001755	1.00	0.00	0.00	0.00	0.02	0.07	0.00	0.91	0.00	0.00
PWOPRSES0001756	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001757	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.99	0.00	0.00
PWOPRSES0001758	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001759	1.00	0.00	0.00	0.00	0.01	0.08	0.00	0.90	0.00	0.00
PWOPRSES0001760	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001761	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001765A	1.00	0.00	0.82	0.00	0.17	0.00	0.00	0.00	0.99	0.00
PWOPRSES0001765B	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001766	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001768	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001770	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001771	1.20	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0001774	1.00	0.81	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001775	1.00	0.30	0.52	0.00	0.18	0.00	0.00	0.00	0.97	0.00
PWOPRSES0001776	1.00	0.00	0.00	0.00	0.17	0.00	0.00	0.82	0.16	0.00
PWOPRSES0001777	1.00	0.00	0.00	0.00	0.02	0.06	0.00	0.92	0.01	0.00
PWOPRSES0001778	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001779	1.00	0.81	0.00	0.00	0.17	0.00	0.00	0.02	0.17	0.00
PWOPRSES0001780	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
PWOPRSES0001781	1.00	0.92	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001782	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001783	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001784	1.00	0.00	0.00	0.00	0.02	0.03	0.00	0.95	0.00	0.00
PWOPRSES0001785	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00

PWOPRSES0001786	2.09	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0001790	1.00	0.00	0.00	0.00	0.01	0.05	0.00	0.93	0.00	0.00
PWOPRSES0001791	1.00	0.00	0.82	0.00	0.10	0.07	0.00	0.00	0.83	0.00
PWOPRSES0001797	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001798	1.00	0.81	0.00	0.00	0.00	0.01	0.00	0.18	0.00	0.00
PWOPRSES0001803	1.00	0.81	0.01	0.00	0.17	0.00	0.00	0.00	0.99	0.00
PWOPRSES0001806	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0001807	1.00	0.81	0.01	0.00	0.18	0.00	0.00	0.00	0.84	0.00
PWOPRSES0001808	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001809	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0001810	1.00	0.99	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001812	1.00	0.00	0.00	0.00	0.03	0.02	0.00	0.95	0.02	0.00
PWOPRSES0001819	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.01	0.00
PWOPRSES0001821	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001822	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001823	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.99	0.00	0.00
PWOPRSES0001824	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001825	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
PWOPRSES0001826	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001827	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.99	0.00	0.00
PWOPRSES0001828	1.00	0.00	0.82	0.00	0.18	0.00	0.00	0.00	0.84	0.00
PWOPRSES0001829	1.00	0.30	0.52	0.00	0.18	0.00	0.00	0.00	0.99	0.00
PWOPRSES0001840	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001841	1.25	0.81	0.01	0.00	0.17	0.00	0.00	0.00	0.98	0.00
PWOPRSES0001842	1.36	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.17	0.00
PWOPRSES0001844	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0001845	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001855	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001856	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001861	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001862	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001865	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001866	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001868	1.00	0.00	0.82	0.00	0.17	0.00	0.00	0.00	0.93	0.00
PWOPRSES0001890	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001891	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001892	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001895	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001896	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001897	1.00	0.00	0.82	0.00	0.02	0.15	0.00	0.00	0.94	0.00
PWOPRSES0001899	1.04	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
PWOPRSES0001900	1.00	0.01	0.82	0.00	0.02	0.15	0.00	0.00	0.15	0.00
PWOPRSES0001904	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.01	0.00
PWOPRSES0001905	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001906	1.00	0.00	0.00	0.00	0.03	0.00	0.00	0.97	0.02	0.00
PWOPRSES0001919	1.00	0.97	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001930	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001931	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001932	1.00	0.99	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001941	1.00	0.00	0.00	0.00	0.00	0.03	0.00	0.97	0.02	0.00
PWOPRSES0001942	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001943	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001944	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001951	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001952	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001960	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001961	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00

PWOPRSES0001962	1.00	0.00	0.00	0.00	0.04	0.00	0.00	0.95	0.01	0.00
PWOPRSES0001963	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.01	0.00
PWOPRSES0001968	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001972	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001976	1.00	0.00	0.00	0.00	0.08	0.00	0.00	0.91	0.00	0.00
PWOPRSES0001977	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001978	1.00	0.00	0.79	0.00	0.16	0.04	0.00	0.00	0.94	0.00
PWOPRSES0001979	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001984	1.00	0.00	0.81	0.00	0.19	0.00	0.00	0.00	0.96	0.00
PWOPRSES0002119	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0002120	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0002121	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
PWOPRSES0002122	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0003435	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.00	0.00
PWOPRSES0003436	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0003439	1.00	0.97	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0003446	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0003447	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0003448	1.27	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0003449	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0003457	1.00	0.00	0.82	0.00	0.10	0.07	0.00	0.00	0.94	0.00
PWOPRSES0003465	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0003466	1.00	0.00	0.00	0.00	0.01	0.01	0.00	0.97	0.00	0.00
PWOPRSES0004584	1.04	0.00	0.00	0.00	0.82	0.17	0.00	0.00	0.00	0.00
PWOPRSES0004585	1.00	0.00	0.82	0.00	0.02	0.15	0.00	0.00	1.00	0.00
PWOPRSES0004586	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0004587	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0004588	1.00	0.00	0.83	0.00	0.10	0.07	0.00	0.00	0.83	0.00
PWOPRSES0004589	1.00	0.00	0.82	0.00	0.07	0.10	0.00	0.00	0.99	0.00
PWOPRSES0004590	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0004591	1.00	0.83	0.00	0.00	0.17	0.00	0.00	0.00	0.17	0.00
PWOPRSES0004592	1.00	0.83	0.00	0.00	0.08	0.00	0.00	0.09	0.00	0.00
PWOPRSES0004593	2.35	0.00	0.00	0.00	0.01	0.01	0.00	0.98	0.00	0.00
PWOPRSES0004594	1.00	0.00	0.82	0.00	0.17	0.00	0.00	0.00	1.00	0.00
PWOPRSES0004597	1.00	0.99	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0004603	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0004637	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005529	1.00	0.00	0.00	0.00	0.09	0.01	0.00	0.90	0.09	0.00
PWOPRSES0005530	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005531	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005532	1.00	0.00	0.82	0.00	0.18	0.00	0.00	0.00	1.00	0.00
PWOPRSES0005534	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
PWOPRSES0005535	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005536	1.15	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005537	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.01	0.00
PWOPRSES0005539	1.00	0.06	0.00	0.00	0.00	0.01	0.00	0.93	0.00	0.00
PWOPRSES0005540	1.42	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005541	1.00	0.00	0.00	0.00	0.91	0.09	0.00	0.00	0.00	0.00
PWOPRSES0005710	1.00	0.77	0.05	0.00	0.17	0.01	0.00	0.00	0.99	0.00
PWOPRSES0005734	1.00	0.00	0.00	0.00	0.10	0.00	0.00	0.90	0.10	0.00
PWOPRSES0005735	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005736	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
PWOPRSES0005739	1.00	0.00	0.83	0.00	0.07	0.10	0.00	0.00	1.00	0.00
PWOPRSES0005744	1.00	0.00	0.83	0.00	0.14	0.03	0.00	0.00	0.99	0.00
PWOPRSES0005766	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005767	1.00	0.00	0.00	0.00	0.00	0.07	0.00	0.93	0.00	0.00
PWOPRSES0005768	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00

PWOPRSES0005769	1.00	0.00	0.81	0.00	0.18	0.01	0.00	0.00	0.99	0.00
PWOPRSES0005770	1.00	0.00	0.82	0.00	0.09	0.08	0.00	0.00	0.00	0.00
PWOPRSES0005771	1.48	0.00	0.00	0.00	0.02	0.04	0.00	0.94	0.01	0.00
PWOPRSES0006537	1.00	0.00	0.83	0.00	0.17	0.00	0.00	0.00	1.00	0.00
PWOPRSES0006538	1.00	0.98	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0006542	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0006547	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0006548	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0006549	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
PWOPRSES0006550	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0006551	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0006552	1.00	0.00	0.00	0.00	0.03	0.06	0.00	0.90	0.00	0.00
PWOPRSES0006553	1.00	0.38	0.41	0.00	0.21	0.00	0.00	0.00	0.98	0.00
PWOPRSES0006554	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.00	0.00
PWOPRSES0006555	1.00	0.00	0.00	0.00	0.02	0.01	0.00	0.97	0.03	0.00
PWOPRSES0006576	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0006577	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
STMEasement	1.00	0.82	0.01	0.00	0.17	0.00	0.00	0.00	1.00	0.00
SWMPOND_OUT	1.00	0.00	0.81	0.00	0.17	0.01	0.00	0.00	0.97	0.00

```
*************************
Conduit Surcharge Summary
*************************

No conduits were surcharged.


Analysis begun on:  Fri Jan 14 14:09:19 2022
Analysis ended on:  Fri Jan 14 14:10:08 2022
Total elapsed time: 00:00:49
```

```
EPA STORM WATER MANAGEMENT MODEL - VERSION 5.1 (Build 5.1.013)
--------------------------------------------------------------

Removal of Wetlands

WARNING 03: negative offset ignored for Link 1
WARNING 03: negative offset ignored for Link 1
WARNING 03: negative offset ignored for Link 10
WARNING 03: negative offset ignored for Link 10
WARNING 03: negative offset ignored for Link 11
WARNING 03: negative offset ignored for Link 11
WARNING 03: negative offset ignored for Link 13
WARNING 03: negative offset ignored for Link 13
WARNING 03: negative offset ignored for Link 14
WARNING 03: negative offset ignored for Link 14
WARNING 03: negative offset ignored for Link 15
WARNING 03: negative offset ignored for Link 15
WARNING 03: negative offset ignored for Link 17
WARNING 03: negative offset ignored for Link 17
WARNING 03: negative offset ignored for Link 18
WARNING 03: negative offset ignored for Link 18
WARNING 03: negative offset ignored for Link 19
WARNING 03: negative offset ignored for Link 19
WARNING 03: negative offset ignored for Link 2
WARNING 03: negative offset ignored for Link 2
WARNING 03: negative offset ignored for Link 20
WARNING 03: negative offset ignored for Link 20
WARNING 03: negative offset ignored for Link 21
WARNING 03: negative offset ignored for Link 21
WARNING 03: negative offset ignored for Link 22
WARNING 03: negative offset ignored for Link 22
WARNING 03: negative offset ignored for Link 23
WARNING 03: negative offset ignored for Link 23
WARNING 03: negative offset ignored for Link 24
WARNING 03: negative offset ignored for Link 24
WARNING 03: negative offset ignored for Link 25
WARNING 03: negative offset ignored for Link 25
WARNING 03: negative offset ignored for Link 26
WARNING 03: negative offset ignored for Link 26
WARNING 03: negative offset ignored for Link 27
WARNING 03: negative offset ignored for Link 27
WARNING 03: negative offset ignored for Link 28
WARNING 03: negative offset ignored for Link 28
WARNING 03: negative offset ignored for Link 29
WARNING 03: negative offset ignored for Link 29
WARNING 03: negative offset ignored for Link 3
WARNING 03: negative offset ignored for Link 3
WARNING 03: negative offset ignored for Link 30
WARNING 03: negative offset ignored for Link 30
WARNING 03: negative offset ignored for Link 31
WARNING 03: negative offset ignored for Link 31
WARNING 03: negative offset ignored for Link 32
WARNING 03: negative offset ignored for Link 32
WARNING 03: negative offset ignored for Link 33
WARNING 03: negative offset ignored for Link 33
WARNING 03: negative offset ignored for Link 34
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WARNING 03: negative offset ignored for Link 34
WARNING 03: negative offset ignored for Link 35
WARNING 03: negative offset ignored for Link 35
WARNING 03: negative offset ignored for Link 37
WARNING 03: negative offset ignored for Link 37
WARNING 03: negative offset ignored for Link 38
WARNING 03: negative offset ignored for Link 38
WARNING 03: negative offset ignored for Link 4
WARNING 03: negative offset ignored for Link 4
WARNING 03: negative offset ignored for Link 40
WARNING 03: negative offset ignored for Link 40
WARNING 03: negative offset ignored for Link 41
WARNING 03: negative offset ignored for Link 41
WARNING 03: negative offset ignored for Link 42
WARNING 03: negative offset ignored for Link 42
WARNING 03: negative offset ignored for Link 47
WARNING 03: negative offset ignored for Link 47
WARNING 03: negative offset ignored for Link 5
WARNING 03: negative offset ignored for Link 5
WARNING 03: negative offset ignored for Link 6
WARNING 03: negative offset ignored for Link 6
WARNING 03: negative offset ignored for Link 7
WARNING 03: negative offset ignored for Link 7
WARNING 03: negative offset ignored for Link 8
WARNING 03: negative offset ignored for Link 8
WARNING 03: negative offset ignored for Link 9
WARNING 03: negative offset ignored for Link 9
WARNING 03: negative offset ignored for Link PWOPRSES0001575
WARNING 03: negative offset ignored for Link PWOPRSES0001978
WARNING 02: maximum depth increased for Node 11
WARNING 02: maximum depth increased for Node 13
WARNING 02: maximum depth increased for Node 22
WARNING 02: maximum depth increased for Node 24
WARNING 02: maximum depth increased for Node 36
WARNING 02: maximum depth increased for Node 8
WARNING 02: maximum depth increased for Node 9
WARNING 02: maximum depth increased for Node PWOPRMHS0001401
WARNING 02: maximum depth increased for Node PWOPRMHS0001402
WARNING 02: maximum depth increased for Node PWOPRMHS0001602
WARNING 02: maximum depth increased for Node PWOPRMHS0001611
WARNING 02: maximum depth increased for Node PWOPRMHS0001662
WARNING 02: maximum depth increased for Node PWOPRMHS0001670
WARNING 02: maximum depth increased for Node PWOPRMHS0001688
WARNING 02: maximum depth increased for Node PWOPRMHS0004129
WARNING 02: maximum depth increased for Node PWOPRMHS0004130
WARNING 02: maximum depth increased for Node PWOPRMHS0004141
WARNING 02: maximum depth increased for Node PWOPRMHS0005230
WARNING 02: maximum depth increased for Node PWOPRMHS0005930
WARNING 02: maximum depth increased for Node PWOPRMHS0005931
WARNING 02: maximum depth increased for Node PWOPRMHS0005945
WARNING 02: maximum depth increased for Node SWMPOND

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

```
****************
Analysis Options
****************
Flow Units ............... CMS
Process Models:
  Rainfall/Runoff ........ YES
  RDII ................... NO
  Snowmelt ............... NO
  Groundwater ............ NO
  Flow Routing ........... YES
  Ponding Allowed ........ NO
  Water Quality .......... NO
Infiltration Method ...... GREEN_AMPT
Flow Routing Method ...... DYNWAVE
Surcharge Method ......... EXTRAN
Starting Date ............ 09/01/2021 00:00:00
Ending Date .............. 09/04/2021 00:00:00
Antecedent Dry Days ...... 0.0
Report Time Step ......... 00:05:00
Wet Time Step ............ 00:05:00
Dry Time Step ............ 00:15:00
Routing Time Step ........ 1.00 sec
Variable Time Step ....... YES
Maximum Trials ........... 8
Number of Threads ........ 4
Head Tolerance ........... 0.001500 m

**************************        Volume         Depth
Runoff Quantity Continuity     hectare-m            mm
**************************     ---------       -------
Total Precipitation ......       166.281        97.810
Evaporation Loss .........         1.763         1.037
Infiltration Loss ........        74.136        43.609
Surface Runoff ...........        90.550        53.263
Final Storage ............         0.000         0.000
Continuity Error (%) .....        -0.101


**************************        Volume        Volume
Flow Routing Continuity        hectare-m      10^6 ltr
**************************     ---------     ---------
Dry Weather Inflow .......         0.000         0.000
Wet Weather Inflow .......        90.550       905.508
Groundwater Inflow .......         0.000         0.000
RDII Inflow ..............         0.000         0.000
External Inflow ..........         0.000         0.000
External Outflow .........        58.663       586.636
Flooding Loss ............        31.993       319.930
Evaporation Loss .........         0.008         0.083
Exfiltration Loss ........         0.000         0.000
Initial Stored Volume ....         0.000         0.001
Final Stored Volume ......         0.000         0.002
Continuity Error (%) .....        -0.126
```

```
*************************
Highest Continuity Errors
*************************
Node PWOPRMHS0001372 (3.86%)
Node PWOPRMHS0001642 (1.65%)
Node PWOPRMHS0001611 (1.47%)


***************************
Time-Step Critical Elements
***************************
None


********************************
Highest Flow Instability Indexes
********************************
Link 23 (3)
Link 24 (2)
Link 22 (2)


*************************
Routing Time Step Summary
*************************
Minimum Time Step           :     0.50 sec
Average Time Step           :     1.00 sec
Maximum Time Step           :     1.00 sec
Percent in Steady State     :     0.00
Average Iterations per Step :     2.01
Percent Not Converging      :     0.07


***************************
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
A1	97.81	18.55	1.01	45.74	35.48	34.24	69.72	5.84	1.18	0.599
A1.1	97.81	0.00	1.16	32.32	29.73	34.69	64.42	27.58	4.78	0.659
A1.1_FRST	97.81	0.00	0.76	54.42	4.79	37.93	42.72	1.55	0.36	0.437
A2	97.81	14.60	0.90	49.51	28.73	33.38	62.11	7.14	1.59	0.553
A2.1	97.81	0.00	0.83	50.42	19.18	27.48	46.65	6.02	1.29	0.477
A2.1_FRST	97.81	0.00	0.56	67.00	4.79	25.54	30.34	0.99	0.29	0.310
A2.2	97.81	0.00	1.10	36.69	32.61	27.53	60.13	5.08	0.93	0.615
A2.2_FRST	97.81	0.00	0.56	66.58	4.79	25.97	30.76	0.68	0.20	0.314
A3	97.81	17.98	0.90	52.48	30.75	31.76	62.51	35.49	7.31	0.540
A3.1	97.81	0.00	1.03	36.45	21.10	39.31	60.41	3.89	0.71	0.618
A3.1_FRST	97.81	0.00	0.59	68.73	4.79	23.76	28.55	3.77	0.99	0.292
A3.2	97.81	0.00	1.14	35.75	34.53	26.51	61.04	19.73	3.53	0.624
A3.2_FRST	97.81	0.00	0.60	66.83	4.79	25.64	30.43	2.25	0.55	0.311
A3.3	97.81	0.00	1.07	36.46	22.06	38.29	60.35	42.38	7.58	0.617
A3.3_FRST	97.81	0.00	0.58	72.80	4.79	19.68	24.48	4.19	0.94	0.250

A4	97.81	31.84	1.12	42.63	51.09	34.92	86.01	86.45	16.54	0.663
A4.1	97.81	0.00	0.98	36.50	19.17	41.26	60.43	0.62	0.12	0.618
A4.1_FRST	97.81	0.00	0.65	60.72	4.79	31.72	36.51	2.02	0.50	0.373
A4.2	97.81	0.00	1.12	33.22	27.81	35.73	63.55	6.23	1.10	0.650
A4.2_FRST	97.81	0.00	0.71	63.49	4.79	28.87	33.67	5.44	1.18	0.344
A4.3	97.81	0.00	1.48	21.43	58.50	16.54	75.04	35.24	5.47	0.767
A4.3_FRST	97.81	0.00	0.51	73.46	4.79	19.10	23.90	1.94	0.52	0.244
A4.4_FRST	97.81	0.00	0.49	78.83	4.79	13.73	18.52	3.45	0.79	0.189
A4.5	97.81	0.00	1.13	33.18	27.81	35.77	63.58	69.18	12.11	0.650
A4.5_FRST	97.81	0.00	0.80	56.43	4.79	35.85	40.64	6.11	1.28	0.416
A4.6	97.81	0.00	1.29	31.43	49.87	15.35	65.22	97.15	16.39	0.667
A4.6_FRST	97.81	0.00	0.54	75.83	4.79	16.68	21.48	13.05	2.94	0.220
B1	97.81	59.90	0.99	40.18	24.92	91.72	116.64	3.60	0.69	0.740
B1.1	97.81	0.00	0.99	36.90	19.17	40.84	60.01	0.60	0.11	0.614
B1.1_FRST	97.81	0.00	0.92	47.04	4.79	45.12	49.91	1.85	0.38	0.510
B2	97.81	137.60	0.98	41.57	32.68	160.32	193.00	5.62	1.09	0.820
B2.1	97.81	0.00	0.89	41.37	10.54	45.09	55.63	3.61	0.71	0.569
B2.1_FRST	97.81	0.00	0.93	47.25	4.79	44.90	49.69	4.01	0.81	0.508
C1	97.81	31.19	1.47	24.84	77.50	25.31	102.82	3.24	0.61	0.797
C1.1	97.81	0.00	1.50	21.45	58.48	16.50	74.98	92.46	14.33	0.767
C1.1_FRST	97.81	0.00	0.63	61.99	4.79	30.49	35.29	0.98	0.26	0.361
D1	97.81	65.54	1.49	26.31	98.45	37.23	135.68	17.85	2.85	0.831
D1.1	97.81	0.00	1.38	29.11	58.48	8.96	67.44	80.81	12.96	0.690
D1.1_FRST	97.81	0.00	0.69	68.74	4.79	23.63	28.43	8.62	1.57	0.291
D2	97.81	26.35	1.37	32.68	65.98	24.23	90.21	15.85	2.63	0.727
D2.1	97.81	0.00	1.29	33.60	51.76	11.26	63.02	32.92	5.46	0.644
D2.1_FRST	97.81	0.00	0.61	72.92	4.79	19.52	24.32	4.63	0.91	0.249
D3	97.81	0.00	1.42	25.54	57.54	13.44	70.98	3.98	0.64	0.726
D3.1	97.81	0.00	1.37	28.75	57.54	10.28	67.82	24.51	3.97	0.693
D4	97.81	101.39	1.10	43.12	69.04	86.05	155.09	5.46	1.04	0.779
D4.1	97.81	0.00	1.29	32.84	50.81	12.97	63.78	14.93	2.50	0.652
D4.1_FRST	97.81	0.00	0.59	71.12	4.79	21.35	26.15	3.57	0.81	0.267
E1	97.81	316.46	0.90	64.32	74.21	275.02	349.24	10.23	1.80	0.843
E1.1	97.81	0.00	0.85	50.97	22.06	24.03	46.09	8.30	1.75	0.471
E1.1_FRST	97.81	0.00	0.67	68.98	4.79	23.41	28.20	9.27	1.78	0.288
E2	97.81	47.71	0.90	44.99	27.28	72.49	99.77	0.78	0.17	0.686
E2.1	97.81	0.00	0.99	37.83	18.22	40.85	59.07	5.48	1.02	0.604
E2.1_FRST	97.81	0.00	0.73	54.19	4.79	38.22	43.01	0.37	0.09	0.440
E3	97.81	34.30	0.77	59.84	28.63	42.99	71.63	10.04	2.40	0.542
E3.1	97.81	0.00	0.79	52.11	21.09	23.92	45.01	10.27	2.29	0.460
E3.1_FRST	97.81	0.00	0.65	60.42	4.79	32.02	36.81	4.81	1.18	0.376
HC01-01	97.81	0.00	0.90	46.78	27.52	22.73	50.25	3.13	0.64	0.514
HC01-02	97.81	0.00	0.86	48.82	23.78	24.48	48.26	1.10	0.23	0.493
HC01-03	97.81	0.00	0.86	48.95	23.78	24.35	48.12	0.58	0.12	0.492
HC01-04	97.81	0.00	0.76	53.54	18.60	25.02	43.62	1.09	0.25	0.446
HC01-05	97.81	0.00	0.85	48.76	23.78	24.56	48.33	1.21	0.26	0.494
HC01-06	97.81	0.00	0.86	48.95	23.78	24.35	48.12	0.64	0.14	0.492
HC01-07	97.81	0.00	0.87	49.62	23.78	23.63	47.41	0.33	0.07	0.485
HC01-08	97.81	0.00	0.86	48.87	23.78	24.43	48.21	0.25	0.05	0.493
HC01-09	97.81	0.00	0.86	49.24	23.78	24.03	47.81	0.32	0.07	0.489
HC01-10	97.81	0.00	0.86	48.96	23.78	24.34	48.11	0.55	0.12	0.492
HC01-11	97.81	0.00	0.86	49.22	23.78	24.05	47.83	0.66	0.14	0.489
HC01-12	97.81	0.00	0.90	44.43	23.78	28.83	52.61	1.63	0.33	0.538
HC02-01	97.81	0.00	1.06	40.51	35.77	20.60	56.37	0.21	0.04	0.576
HC02-02	97.81	0.00	1.30	30.60	48.33	17.70	66.03	1.43	0.24	0.675
HC02-03	97.81	0.00	1.16	35.64	41.43	19.69	61.13	0.12	0.02	0.625
HC02-04	97.81	0.00	0.92	44.90	27.99	24.15	52.14	0.21	0.04	0.533

HC02-05	97.81	0.00	0.70	54.86	14.19	28.19	42.38	1.25	0.30	0.433
HC02-06	97.81	0.00	0.72	54.83	14.57	27.80	42.38	0.76	0.18	0.433
HC02-07	97.81	0.00	0.69	57.49	12.27	27.45	39.72	0.31	0.07	0.406
HC02-08	97.81	0.00	0.65	58.24	11.12	27.91	39.03	0.49	0.12	0.399
HC02-09	97.81	0.00	0.70	57.15	13.04	27.00	40.04	0.35	0.08	0.409
HC02-10	97.81	0.00	0.67	58.05	11.89	27.30	39.19	0.37	0.09	0.401
HC02-11	97.81	0.00	0.69	56.61	13.04	27.58	40.62	0.61	0.15	0.415
HC02-12	97.81	0.00	0.68	58.97	11.89	26.34	38.23	0.82	0.19	0.391
HC02-13	97.81	0.00	0.66	58.82	11.12	27.31	38.43	0.32	0.08	0.393
HC02-14	97.81	0.00	0.65	58.20	11.50	27.56	39.06	0.36	0.09	0.399
HC02-15	97.81	0.00	0.68	56.46	12.65	28.14	40.80	0.65	0.16	0.417
HC02-16	97.81	0.00	0.55	63.04	13.42	20.91	34.33	0.18	0.05	0.351
HC02-17	97.81	0.00	0.74	51.76	12.65	32.76	45.41	1.07	0.24	0.464
HC02-18	97.81	0.00	0.55	62.86	13.42	21.10	34.52	1.32	0.35	0.353
HC02-19	97.81	0.00	0.61	66.00	13.81	17.45	31.26	0.48	0.11	0.320
HC02-20	97.81	0.00	1.01	41.05	33.75	22.16	55.90	0.25	0.05	0.572
HC02-21	97.81	0.00	0.71	56.25	13.81	27.14	40.95	1.44	0.34	0.419
HC02-22	97.81	0.00	0.71	56.25	13.81	27.14	40.95	1.22	0.29	0.419
HC02-23	97.81	0.00	1.15	35.70	41.04	20.04	61.09	0.24	0.04	0.625
HC02-24	97.81	0.00	1.39	24.39	55.98	16.21	72.20	0.05	0.01	0.738
HC02-25	97.81	0.00	1.19	33.24	44.01	19.51	63.52	0.72	0.13	0.649
HC02-26	97.81	0.00	1.33	27.12	52.54	16.97	69.51	0.24	0.04	0.711
HC02-27	97.81	0.00	0.62	59.49	17.26	20.58	37.83	0.28	0.07	0.387
HC02-28	97.81	0.00	0.62	59.73	17.25	20.31	37.57	0.21	0.05	0.384
HC02-29	97.81	0.00	1.01	43.36	38.36	15.19	53.55	0.28	0.05	0.547
HC02-30	97.81	0.00	0.35	76.80	1.15	19.57	20.72	0.31	0.10	0.212
HC02-31	97.81	0.00	0.59	61.84	14.57	20.91	35.49	0.86	0.22	0.363
HC02-32	97.81	0.00	0.56	62.36	13.80	21.20	35.00	0.75	0.20	0.358
HC02-33	97.81	0.00	0.60	62.92	14.57	19.79	34.36	0.29	0.07	0.351
HC02-34	97.81	0.00	0.76	53.01	24.92	19.23	44.16	0.13	0.03	0.451
HC02-35	97.81	0.00	0.34	74.72	1.53	21.31	22.85	0.23	0.08	0.234
HC02-36	97.81	0.00	0.39	69.18	5.37	23.09	28.45	0.13	0.04	0.291
HC02-37	97.81	0.00	0.39	69.92	4.98	22.65	27.64	0.28	0.09	0.283
HC02-38	97.81	0.00	0.70	57.21	13.04	26.95	39.99	1.24	0.29	0.409
HC02-39	97.81	0.00	0.70	61.05	11.12	25.00	36.13	0.32	0.07	0.369
HC03-01	97.81	0.00	1.01	40.96	30.69	25.26	55.95	1.25	0.24	0.572
HC03-02	97.81	0.00	0.71	54.51	14.57	28.17	42.74	0.34	0.08	0.437
HC03-03	97.81	0.00	0.75	51.72	18.02	27.54	45.57	0.06	0.01	0.466
HC03-04	97.81	0.00	0.76	52.30	18.02	26.86	44.88	0.46	0.10	0.459
HC03-05	97.81	0.00	1.05	39.62	35.28	22.02	57.30	0.19	0.04	0.586
HC03-06	97.81	0.00	0.69	55.92	13.23	28.11	41.34	2.13	0.52	0.423
HC03-07	97.81	0.00	0.72	54.80	14.57	27.84	42.41	0.77	0.18	0.434
HC03-08	97.81	0.00	0.56	62.20	14.86	20.32	35.18	1.53	0.40	0.360
HC03-09	97.81	0.00	0.71	57.31	22.34	17.55	39.89	0.77	0.18	0.408
HC03-10	97.81	0.00	0.51	65.16	11.50	20.75	32.25	0.55	0.15	0.330
HC03-11	97.81	0.00	0.59	61.76	15.82	19.75	35.57	0.89	0.23	0.364
HC03-12	97.81	0.00	0.58	64.91	13.42	18.97	32.39	0.38	0.10	0.331
HC03-13	97.81	0.00	0.65	59.08	18.02	20.17	38.20	0.15	0.04	0.391
HC03-14	97.81	0.00	1.36	27.14	56.01	13.45	69.46	0.09	0.01	0.710
HC03-15	97.81	0.00	0.55	63.58	13.04	20.75	33.78	0.21	0.06	0.345
HC03-16	97.81	0.00	0.69	57.56	20.33	19.33	39.66	0.12	0.03	0.405
HC03-17	97.81	0.00	1.04	39.58	35.28	22.08	57.36	0.07	0.01	0.586
HC03-18	97.81	0.00	1.48	21.14	61.37	13.97	75.34	0.08	0.01	0.770
HC03-19	97.81	0.00	0.58	60.07	8.05	29.29	37.34	2.94	0.77	0.382
HC03-20	97.81	0.00	0.52	65.54	2.30	29.54	31.84	0.48	0.14	0.326
HC04-01	97.81	0.00	0.82	49.97	17.26	29.85	47.11	1.69	0.36	0.482
HC04-02	97.81	0.00	0.54	64.11	13.32	19.93	33.26	0.22	0.06	0.340

HC04-03	97.81	0.00	0.56	63.66	14.29	19.40	33.69	0.40	0.11	0.344
HC04-04	97.81	0.00	0.82	50.30	17.26	29.51	46.77	2.47	0.52	0.478
HC04-05	97.81	0.00	0.61	60.56	16.87	19.87	36.75	0.23	0.06	0.376
HC04-06	97.81	0.00	0.62	61.58	16.87	18.82	35.70	0.38	0.09	0.365
HC04-07	97.81	0.00	0.99	44.14	36.83	15.96	52.79	0.05	0.01	0.540
HC04-08	97.81	0.00	0.58	63.07	14.86	19.39	34.25	0.12	0.03	0.350
HC04-09	97.81	0.00	0.62	61.28	16.87	19.13	36.00	0.19	0.05	0.368
HC04-10	97.81	0.00	0.63	61.68	16.88	18.70	35.58	0.22	0.05	0.364
HC04-11	97.81	0.00	0.58	62.18	16.01	19.15	35.16	0.32	0.08	0.359
HC04-12	97.81	0.00	0.55	64.76	12.65	19.94	32.59	0.72	0.19	0.333
HC04-13	97.81	0.00	0.60	62.24	14.57	20.49	35.06	0.11	0.03	0.358
HC04-14	97.81	0.00	0.72	57.68	13.42	26.06	39.49	1.10	0.25	0.404
HC04-15	97.81	0.00	0.70	56.48	13.42	27.31	40.73	1.59	0.38	0.416
HC04-16	97.81	0.00	0.72	54.98	14.57	27.65	42.23	0.19	0.05	0.432
HC04-17	97.81	0.00	0.75	53.74	16.87	26.57	43.44	0.98	0.23	0.444
HC04-18	97.81	0.00	0.82	52.08	20.23	24.78	45.01	0.12	0.03	0.460
HC04-19	97.81	0.00	0.65	58.07	11.50	27.69	39.19	0.51	0.13	0.401
HC04-20	97.81	0.00	0.65	57.74	11.50	28.05	39.55	0.22	0.06	0.404
HC04-21	97.81	0.00	0.74	53.69	16.49	27.03	43.52	0.07	0.02	0.445
HC04-22	97.81	0.00	0.77	52.61	18.41	26.14	44.55	0.10	0.02	0.455
HC04-23	97.81	0.00	0.72	53.56	16.87	26.83	43.70	0.24	0.06	0.447
HC04-24	97.81	0.00	0.69	55.36	13.80	28.11	41.91	0.05	0.01	0.429
HC04-25	97.81	0.00	0.75	51.35	13.04	32.80	45.83	0.36	0.08	0.469
HC04-26	97.81	0.00	0.59	68.34	12.28	16.66	28.94	0.21	0.05	0.296
HC04-27	97.81	0.00	0.64	58.82	10.35	28.11	38.47	0.14	0.03	0.393
HC04-28	97.81	0.00	0.59	62.18	14.57	20.56	35.14	0.26	0.07	0.359
HC04-29	97.81	0.00	0.75	51.52	13.04	32.61	45.65	1.65	0.37	0.467
HC04-30	97.81	0.00	0.75	51.17	13.42	32.58	46.00	0.89	0.20	0.470
HC04-31	97.81	0.00	0.80	52.33	26.85	17.93	44.78	0.21	0.05	0.458
HC04-32	97.81	0.00	0.60	62.51	14.57	20.21	34.79	0.12	0.03	0.356
HC04-33	97.81	0.00	0.55	63.77	13.04	20.54	33.58	0.38	0.10	0.343
HC04-34	97.81	0.00	0.41	70.77	5.37	21.36	26.73	0.41	0.13	0.273
HC04-35	97.81	0.00	0.55	64.11	13.04	20.19	33.23	0.16	0.04	0.340
HC04-36	97.81	0.00	1.02	38.93	31.16	26.85	58.01	1.70	0.32	0.593
HC05-01	97.81	0.00	0.70	52.47	11.50	33.27	44.78	2.68	0.62	0.458
HC05-02	97.81	0.00	0.72	52.44	11.89	32.89	44.77	1.45	0.33	0.458
HC05-03	97.81	0.00	1.63	14.54	72.86	8.92	81.77	0.09	0.01	0.836
HC05-04	97.81	0.00	0.50	66.15	10.74	20.53	31.26	0.15	0.04	0.320
HC05-05	97.81	0.00	0.61	62.98	14.38	19.91	34.29	0.32	0.08	0.351
HC05-06	97.81	0.00	0.60	61.06	16.11	20.15	36.26	0.15	0.04	0.371
HC05-07	97.81	0.00	0.54	64.31	12.65	20.40	33.05	0.24	0.06	0.338
HC05-08	97.81	0.00	0.55	64.13	13.04	20.17	33.21	0.73	0.19	0.340
HC05-09	97.81	0.00	0.57	66.57	12.66	18.07	30.73	0.08	0.02	0.314
HC05-10	97.81	0.00	0.61	59.65	16.87	20.82	37.69	0.13	0.03	0.385
HC05-11	97.81	0.00	0.39	70.12	4.98	22.45	27.43	0.87	0.27	0.280
HC06-01	97.81	0.00	0.72	54.91	14.57	27.72	42.29	0.14	0.03	0.432
HC06-02	97.81	0.00	0.73	56.12	14.19	26.85	41.04	0.27	0.06	0.420
HC06-03	97.81	0.00	0.52	70.89	0.00	26.45	26.45	0.39	0.10	0.270
HC06-04	97.81	0.00	0.50	68.50	0.38	28.50	28.89	0.32	0.09	0.295
HC06-05	97.81	0.00	0.65	58.42	10.35	28.49	38.84	0.14	0.03	0.397
HC06-06	97.81	0.00	0.67	56.82	12.27	28.17	40.44	0.63	0.16	0.413
HC06-07	97.81	0.00	0.70	52.28	10.74	34.26	44.99	0.18	0.04	0.460
HC06-08	97.81	0.00	0.70	55.50	13.80	27.95	41.75	1.73	0.42	0.427
HC06-09	97.81	0.00	0.67	56.26	12.46	28.58	41.04	1.07	0.26	0.420
HC06-10	97.81	0.00	0.67	56.66	12.27	28.34	40.61	0.97	0.24	0.415
HC06-11	97.81	0.00	0.81	48.14	16.87	32.14	49.01	0.11	0.02	0.501
HC06-12	97.81	0.00	0.90	43.89	23.77	29.39	53.17	0.11	0.02	0.544

HC06-13	97.81	0.00	1.22	32.91	49.09	14.74	63.83	0.18	0.03	0.653
HC06-14	97.81	0.00	0.80	51.72	22.05	23.34	45.40	0.82	0.18	0.464
HC06-15	97.81	0.00	1.73	10.38	76.72	9.10	85.82	0.10	0.01	0.877
HC06-16	97.81	0.00	1.53	18.57	64.26	13.62	77.87	0.22	0.03	0.796
HC06-17	97.81	0.00	0.78	53.35	21.10	22.68	43.78	0.67	0.15	0.448
HC06-18	97.81	0.00	1.30	29.97	53.13	13.54	66.67	1.77	0.29	0.682
HC06-19	97.81	0.00	1.71	10.34	76.69	9.14	85.83	0.03	0.00	0.878
HC06-20	97.81	0.00	1.73	10.38	76.72	9.11	85.83	0.18	0.03	0.877
HC06-21	97.81	0.00	1.60	20.47	64.18	11.67	75.85	0.96	0.15	0.775
HC06-22	97.81	0.00	1.72	10.35	76.70	9.14	85.84	0.05	0.01	0.878
HC06-23	97.81	0.00	1.61	17.61	67.10	11.62	78.72	1.18	0.18	0.805
HC06-24	97.81	0.00	1.72	10.36	76.71	9.13	85.83	0.10	0.01	0.878
HC06-25	97.81	0.00	0.80	48.09	16.87	32.20	49.08	1.64	0.35	0.502
HC06-26	97.81	0.00	0.76	55.21	24.55	17.38	41.93	1.11	0.24	0.429
HC06-27	97.81	0.00	1.64	14.59	72.88	8.84	81.72	0.13	0.02	0.835
HC06-28	97.81	0.00	1.78	10.47	76.69	8.99	85.68	0.17	0.02	0.876
HC06-29	97.81	0.00	0.66	56.50	7.67	33.06	40.73	0.51	0.12	0.416
HC06-30	97.81	0.00	1.26	29.74	46.03	20.92	66.95	0.22	0.04	0.685
HC06-31	97.81	0.00	0.32	73.65	1.53	22.43	23.97	0.43	0.15	0.245
HC06-32	97.81	0.00	0.41	72.14	4.98	20.35	25.33	0.34	0.10	0.259
HC07-01	97.81	0.00	0.64	62.92	16.49	17.82	34.32	1.04	0.24	0.351
HC07-02	97.81	0.00	0.64	60.58	18.03	18.65	36.67	0.42	0.10	0.375
HC07-03	97.81	0.00	0.58	61.79	14.57	20.99	35.56	0.13	0.03	0.364
HC07-04	97.81	0.00	0.52	65.72	11.12	20.53	31.65	0.11	0.03	0.324
HC07-05	97.81	0.00	0.62	65.96	14.58	16.71	31.29	0.09	0.02	0.320
HC07-06	97.81	0.00	0.59	65.44	13.42	18.43	31.85	0.66	0.16	0.326
HC07-07	97.81	0.00	0.56	64.23	13.42	19.68	33.11	0.13	0.03	0.338
HC07-08	97.81	0.00	1.37	31.92	55.18	9.43	64.62	0.12	0.02	0.661
HC07-09	97.81	0.00	0.59	61.36	16.87	19.13	36.01	0.09	0.02	0.368
HC08-01	97.81	0.00	0.81	49.51	16.49	31.10	47.59	0.33	0.07	0.487
HC08-02	97.81	0.00	0.85	48.49	18.03	30.53	48.56	1.13	0.24	0.496
HC08-03	97.81	0.00	0.60	63.18	14.57	19.53	34.10	0.68	0.17	0.349
HC08-04	97.81	0.00	0.74	54.38	11.12	31.65	42.77	0.30	0.07	0.437
HC08-05	97.81	0.00	0.79	49.58	14.57	32.98	47.56	0.31	0.07	0.486
HC08-06	97.81	0.00	0.76	51.51	13.42	32.22	45.64	0.54	0.12	0.467
HC08-07	97.81	0.00	0.76	51.39	13.42	32.34	45.77	0.25	0.06	0.468
HC08-08	97.81	0.00	1.42	22.87	55.24	18.41	73.65	0.30	0.05	0.753
HC08-09	97.81	0.00	0.84	48.20	16.88	31.99	48.87	0.87	0.18	0.500
HC08-10	97.81	0.00	0.55	59.26	1.53	36.61	38.14	0.50	0.13	0.390
HC09-01	97.81	0.00	0.67	61.58	19.18	16.45	35.63	0.34	0.08	0.364
HC09-02	97.81	0.00	0.55	64.85	13.42	19.08	32.50	0.33	0.09	0.332
HC09-03	97.81	0.00	0.58	63.85	14.57	18.89	33.47	0.32	0.08	0.342
HC09-04	97.81	0.00	0.50	66.48	10.74	20.18	30.92	0.79	0.22	0.316
HC09-05	97.81	0.00	0.52	65.32	11.89	20.18	32.07	0.83	0.23	0.328
HC09-06	97.81	0.00	0.51	65.54	11.50	20.35	31.86	0.39	0.11	0.326
HC09-07	97.81	0.00	0.46	68.19	7.67	21.58	29.25	0.14	0.04	0.299
HC10-01	97.81	0.00	0.52	65.84	11.79	19.75	31.54	1.41	0.39	0.322
HC10-02	97.81	0.00	0.82	52.49	27.14	17.45	44.59	1.13	0.24	0.456
HC10-03	97.81	0.00	0.80	54.91	25.80	16.38	42.18	0.78	0.16	0.431
HC10-04	97.81	0.00	0.57	62.64	14.86	19.85	34.71	0.64	0.17	0.355
HC10-05	97.81	0.00	0.57	65.63	13.62	18.07	31.68	0.76	0.19	0.324
HC10-06	97.81	0.00	0.54	66.02	11.89	19.44	31.33	0.42	0.11	0.320
HC10-07	97.81	0.00	0.59	62.16	15.82	19.34	35.16	0.60	0.15	0.359
HC10-08	97.81	0.00	0.55	62.63	14.28	20.49	34.78	0.41	0.11	0.356
HC10-09	97.81	0.00	0.52	65.96	11.70	19.71	31.41	0.44	0.12	0.321
HC10-10	97.81	0.00	0.55	63.08	14.28	20.00	34.28	0.10	0.03	0.351
HC10-11	97.81	0.00	0.64	58.72	18.69	19.91	38.60	0.10	0.03	0.395

HC10-12	97.81	0.00	0.34	73.53	2.30	21.74	24.04	0.22	0.07	0.246
HC10-13	97.81	0.00	0.60	63.39	15.34	18.56	33.90	0.20	0.05	0.347
HC10-14	97.81	0.00	0.59	62.10	15.63	19.61	35.23	0.16	0.04	0.360
HC10-15	97.81	0.00	0.58	61.56	15.82	19.97	35.79	0.14	0.04	0.366

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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
1	JUNCTION	0.02	0.63	333.27	0 05:15	0.63
11	JUNCTION	0.13	2.84	319.45	0 05:16	2.84
12	JUNCTION	0.14	2.89	318.39	0 04:52	2.89
13	JUNCTION	0.18	3.00	317.50	0 04:32	3.00
14	JUNCTION	0.02	0.68	331.78	0 05:15	0.68
15	JUNCTION	0.21	3.00	316.95	0 04:28	3.00
17	JUNCTION	0.12	1.94	313.94	0 05:15	1.94
18	JUNCTION	0.04	1.37	323.87	0 05:15	1.37
19	JUNCTION	0.02	0.57	324.07	0 05:15	0.57
2	JUNCTION	0.07	1.61	325.61	0 05:15	1.61
20	JUNCTION	0.03	0.95	331.05	0 05:15	0.95
21	JUNCTION	0.07	1.65	322.75	0 05:15	1.65
22	JUNCTION	0.04	1.61	323.11	0 05:14	1.61
24	JUNCTION	0.10	2.69	323.19	0 05:15	2.68
25	JUNCTION	0.05	2.07	323.17	0 05:14	2.06
26	JUNCTION	0.00	0.00	327.93	0 00:00	0.00
27	JUNCTION	0.04	0.97	327.47	0 05:15	0.97
28	JUNCTION	0.05	1.44	327.54	0 05:15	1.44
29	JUNCTION	0.05	1.07	324.96	0 05:15	1.06
3	JUNCTION	0.05	1.18	331.75	0 05:15	1.18
30	JUNCTION	0.08	1.68	322.18	0 05:15	1.68
31	JUNCTION	0.07	1.57	321.72	0 05:15	1.57
32	JUNCTION	0.08	1.83	320.83	0 05:16	1.82
34	JUNCTION	0.08	1.75	319.62	0 05:18	1.75
35	JUNCTION	0.08	1.77	319.27	0 05:16	1.77
36	JUNCTION	0.08	2.09	317.59	0 05:31	1.91
37	JUNCTION	0.02	0.67	324.77	0 05:15	0.67
39	JUNCTION	0.06	1.50	322.80	0 05:15	1.50
4	JUNCTION	0.00	0.07	325.07	0 05:15	0.07
40	JUNCTION	0.07	2.05	321.15	0 05:22	1.97
42	JUNCTION	0.04	1.59	323.69	0 05:16	1.57
48	JUNCTION	0.05	1.24	325.84	0 05:15	1.24
49	JUNCTION	0.04	1.20	322.80	0 05:15	1.20
5	JUNCTION	0.04	1.12	330.62	0 05:16	1.12
50	JUNCTION	0.10	2.22	320.32	0 05:16	2.21
53	JUNCTION	0.20	3.00	317.10	0 04:28	3.00
54	JUNCTION	0.11	1.79	315.71	0 04:35	1.75
56	JUNCTION	0.24	3.00	304.10	0 04:32	3.00
6	JUNCTION	0.04	1.15	330.15	0 05:15	1.15
7	JUNCTION	0.14	3.00	321.10	0 04:50	3.00
8	JUNCTION	0.14	3.06	324.03	0 05:15	3.05
9	JUNCTION	0.11	2.67	323.08	0 05:17	2.62

MHEasement1	JUNCTION	0.02	1.29	320.36	0	05:15	1.29
MHEasement2	JUNCTION	0.04	1.67	320.37	0	05:15	1.61
MHSchool	JUNCTION	0.02	0.47	329.02	0	05:15	0.47
MHSWM4	JUNCTION	0.02	0.67	319.92	0	05:15	0.67
PWOPRMHS0001369	JUNCTION	0.02	0.99	320.38	0	05:14	0.99
PWOPRMHS0001370	JUNCTION	0.02	1.09	320.36	0	05:17	1.06
PWOPRMHS0001371	JUNCTION	0.01	0.56	320.38	0	05:17	0.53
PWOPRMHS0001372	JUNCTION	0.00	0.24	320.39	0	05:16	0.22
PWOPRMHS0001373	JUNCTION	0.01	0.39	320.41	0	05:15	0.35
PWOPRMHS0001374	JUNCTION	0.01	0.75	320.44	0	05:17	0.61
PWOPRMHS0001375	JUNCTION	0.01	0.86	320.43	0	05:14	0.76
PWOPRMHS0001386	JUNCTION	0.04	1.75	320.36	0	05:15	1.70
PWOPRMHS0001387	JUNCTION	0.04	1.61	320.36	0	05:14	1.58
PWOPRMHS0001388	JUNCTION	0.03	1.43	320.36	0	05:14	1.40
PWOPRMHS0001389	JUNCTION	0.02	1.26	320.39	0	05:16	1.21
PWOPRMHS0001390	JUNCTION	0.01	0.46	317.95	0	05:34	0.25
PWOPRMHS0001391	JUNCTION	0.01	0.56	317.83	0	05:34	0.51
PWOPRMHS0001392	JUNCTION	0.00	0.10	318.28	0	05:15	0.10
PWOPRMHS0001393	JUNCTION	0.02	0.34	320.53	0	05:15	0.34
PWOPRMHS0001394	JUNCTION	0.01	0.88	317.74	0	05:33	0.69
PWOPRMHS0001395	JUNCTION	0.01	0.95	317.74	0	05:33	0.69
PWOPRMHS0001398	JUNCTION	0.01	0.73	318.00	0	04:34	0.38
PWOPRMHS0001399	JUNCTION	0.01	0.70	317.85	0	04:34	0.62
PWOPRMHS0001400	JUNCTION	0.01	0.71	317.70	0	04:35	0.71
PWOPRMHS0001401	JUNCTION	0.02	0.99	317.66	0	04:33	0.85
PWOPRMHS0001402	JUNCTION	0.02	1.23	317.73	0	05:33	0.90
PWOPRMHS0001403	JUNCTION	0.01	0.36	322.06	0	05:15	0.36
PWOPRMHS0001404	JUNCTION	0.01	0.30	320.84	0	05:15	0.30
PWOPRMHS0001408	JUNCTION	0.01	0.28	321.11	0	05:15	0.28
PWOPRMHS0001409	JUNCTION	0.00	0.12	327.93	0	05:15	0.12
PWOPRMHS0001410	JUNCTION	0.02	0.63	327.10	0	05:15	0.63
PWOPRMHS0001411	JUNCTION	0.01	0.20	327.67	0	05:15	0.20
PWOPRMHS0001412	JUNCTION	0.01	0.13	331.82	0	05:15	0.13
PWOPRMHS0001413	JUNCTION	0.01	0.26	332.00	0	05:15	0.26
PWOPRMHS0001415	JUNCTION	0.02	0.69	320.37	0	05:15	0.61
PWOPRMHS0001416	JUNCTION	0.03	0.82	319.81	0	05:15	0.82
PWOPRMHS0001418	JUNCTION	0.03	0.99	319.72	0	05:15	0.99
PWOPRMHS0001419	JUNCTION	0.01	0.41	320.40	0	05:15	0.40
PWOPRMHS0001420	JUNCTION	0.01	0.14	320.64	0	05:11	0.14
PWOPRMHS0001421	JUNCTION	0.00	0.14	321.08	0	05:15	0.14
PWOPRMHS0001422	JUNCTION	0.01	0.22	320.50	0	05:14	0.22
PWOPRMHS0001423	JUNCTION	0.01	0.19	320.62	0	05:14	0.19
PWOPRMHS0001424	JUNCTION	0.01	0.16	321.12	0	05:15	0.16
PWOPRMHS0001428	JUNCTION	0.00	0.00	323.21	0	00:00	0.00
PWOPRMHS0001429	JUNCTION	0.00	0.13	321.48	0	05:15	0.13
PWOPRMHS0001430	JUNCTION	0.00	0.00	321.23	0	00:00	0.00
PWOPRMHS0001431	JUNCTION	0.00	0.00	323.01	0	00:00	0.00
PWOPRMHS0001433	JUNCTION	0.00	0.15	319.93	0	04:41	0.14
PWOPRMHS0001435	JUNCTION	0.00	0.08	319.72	0	05:15	0.08
PWOPRMHS0001436	JUNCTION	0.04	1.30	319.65	0	05:15	1.30
PWOPRMHS0001437	JUNCTION	0.01	0.38	319.76	0	05:15	0.38
PWOPRMHS0001438	JUNCTION	0.04	1.33	319.53	0	04:54	1.33
PWOPRMHS0001467	JUNCTION	0.01	0.21	321.13	0	05:15	0.21
PWOPRMHS0001597	JUNCTION	0.00	0.00	324.78	0	00:00	0.00
PWOPRMHS0001598	JUNCTION	0.01	0.27	325.76	0	05:15	0.27
PWOPRMHS0001600	JUNCTION	0.01	0.26	324.92	0	05:15	0.26
PWOPRMHS0001601	JUNCTION	0.01	0.18	326.33	0	05:15	0.18

PWOPRMHS0001602	JUNCTION	0.01	0.19	326.17	0	04:45	0.19
PWOPRMHS0001603	JUNCTION	0.01	0.34	324.57	0	05:15	0.34
PWOPRMHS0001604	JUNCTION	0.02	0.50	324.45	0	05:15	0.50
PWOPRMHS0001605	JUNCTION	0.01	0.23	324.57	0	05:15	0.23
PWOPRMHS0001606	JUNCTION	0.03	0.89	324.46	0	05:15	0.89
PWOPRMHS0001608	JUNCTION	0.03	0.82	326.49	0	05:15	0.82
PWOPRMHS0001610	JUNCTION	0.01	0.30	325.74	0	05:15	0.30
PWOPRMHS0001611	JUNCTION	0.02	1.41	324.28	0	05:09	1.24
PWOPRMHS0001614	JUNCTION	0.02	1.04	323.95	0	05:15	0.98
PWOPRMHS0001622	JUNCTION	0.00	0.08	332.81	0	05:15	0.08
PWOPRMHS0001624	JUNCTION	0.01	0.20	331.12	0	05:15	0.20
PWOPRMHS0001625	JUNCTION	0.01	0.21	330.82	0	05:15	0.21
PWOPRMHS0001626	JUNCTION	0.25	0.40	331.40	0	05:15	0.40
PWOPRMHS0001634	JUNCTION	0.02	0.58	326.79	0	05:15	0.58
PWOPRMHS0001642	JUNCTION	0.01	0.98	324.25	0	05:16	0.84
PWOPRMHS0001643	JUNCTION	0.01	0.49	323.87	0	05:15	0.43
PWOPRMHS0001649	JUNCTION	0.01	0.21	329.42	0	05:15	0.21
PWOPRMHS0001650	JUNCTION	0.01	0.19	329.76	0	05:15	0.19
PWOPRMHS0001651	JUNCTION	0.01	0.18	330.46	0	05:15	0.18
PWOPRMHS0001652	JUNCTION	0.01	0.22	327.11	0	05:15	0.22
PWOPRMHS0001653	JUNCTION	0.01	0.28	325.52	0	05:15	0.28
PWOPRMHS0001654	JUNCTION	0.01	0.27	325.18	0	05:15	0.27
PWOPRMHS0001655	JUNCTION	0.00	0.09	330.09	0	05:15	0.09
PWOPRMHS0001657	JUNCTION	0.01	0.35	324.93	0	05:15	0.35
PWOPRMHS0001658	JUNCTION	0.01	0.23	325.15	0	05:15	0.23
PWOPRMHS0001659	JUNCTION	0.01	0.26	325.57	0	05:15	0.26
PWOPRMHS0001660	JUNCTION	0.02	0.60	324.70	0	05:15	0.60
PWOPRMHS0001661B	JUNCTION	0.02	0.61	324.92	0	05:15	0.61
PWOPRMHS0001662	JUNCTION	0.02	0.55	324.50	0	05:15	0.55
PWOPRMHS0001663	JUNCTION	0.03	0.83	324.89	0	05:15	0.83
PWOPRMHS0001664	JUNCTION	0.01	0.22	326.57	0	05:15	0.22
PWOPRMHS0001667	JUNCTION	0.04	1.07	324.22	0	05:16	1.07
PWOPRMHS0001670	JUNCTION	0.02	0.52	323.44	0	05:12	0.51
PWOPRMHS0001674	JUNCTION	0.03	0.68	326.56	0	05:15	0.68
PWOPRMHS0001676	JUNCTION	0.02	0.49	326.82	0	05:15	0.49
PWOPRMHS0001677	JUNCTION	0.01	0.39	326.98	0	05:15	0.39
PWOPRMHS0001678	JUNCTION	0.01	0.15	327.16	0	05:15	0.15
PWOPRMHS0001679	JUNCTION	0.01	0.28	336.17	0	05:15	0.28
PWOPRMHS0001680	JUNCTION	0.01	0.36	335.42	0	05:15	0.36
PWOPRMHS0001682	JUNCTION	0.01	0.36	328.46	0	05:15	0.36
PWOPRMHS0001686	JUNCTION	0.01	0.42	328.97	0	05:15	0.42
PWOPRMHS0001687	JUNCTION	0.03	0.77	327.17	0	05:15	0.77
PWOPRMHS0001688	JUNCTION	0.03	0.92	327.02	0	05:15	0.92
PWOPRMHS0001689	JUNCTION	0.03	0.85	327.46	0	05:15	0.85
PWOPRMHS0001690	JUNCTION	0.03	0.83	327.57	0	05:15	0.83
PWOPRMHS0001691	JUNCTION	0.02	0.70	327.69	0	05:15	0.70
PWOPRMHS0001692	JUNCTION	0.02	0.62	328.19	0	05:15	0.61
PWOPRMHS0001695	JUNCTION	0.02	0.96	323.21	0	05:14	0.92
PWOPRMHS0001697	JUNCTION	0.01	0.22	324.13	0	05:15	0.22
PWOPRMHS0001705	JUNCTION	0.00	0.11	328.64	0	05:15	0.11
PWOPRMHS0001706	JUNCTION	0.01	0.26	327.40	0	05:15	0.26
PWOPRMHS0001713	JUNCTION	0.02	0.46	325.97	0	05:15	0.46
PWOPRMHS0001729	JUNCTION	0.01	0.34	329.42	0	05:15	0.34
PWOPRMHS0001732	JUNCTION	0.01	0.34	329.32	0	05:15	0.34
PWOPRMHS0001733	JUNCTION	0.01	0.13	324.18	0	05:15	0.13
PWOPRMHS0001736	JUNCTION	0.01	0.49	323.89	0	05:13	0.42
PWOPRMHS0001739	JUNCTION	0.01	0.33	329.22	0	05:15	0.33

PWOPRMHS0001740	JUNCTION	0.01	0.35	329.07	0	05:15	0.35
PWOPRMHS0001741	JUNCTION	0.00	0.10	329.58	0	05:15	0.10
PWOPRMHS0001743	JUNCTION	0.02	0.65	327.94	0	05:15	0.65
PWOPRMHS0001744	JUNCTION	0.03	0.69	328.42	0	05:15	0.69
PWOPRMHS0001745	JUNCTION	0.02	0.67	328.73	0	05:15	0.67
PWOPRMHS0001746	JUNCTION	0.02	0.67	328.60	0	05:15	0.67
PWOPRMHS0001761	JUNCTION	0.00	0.00	329.15	0	00:00	0.00
PWOPRMHS0001764	JUNCTION	0.02	0.40	327.86	0	05:15	0.40
PWOPRMHS0001765	JUNCTION	0.01	0.25	328.29	0	05:15	0.25
PWOPRMHS0001766	JUNCTION	0.00	0.00	328.32	0	00:00	0.00
PWOPRMHS0001767	JUNCTION	0.01	0.39	327.64	0	05:15	0.39
PWOPRMHS0001768	JUNCTION	0.01	0.18	328.03	0	05:15	0.18
PWOPRMHS0001788	JUNCTION	0.02	0.51	323.45	0	05:15	0.51
PWOPRMHS0001791	JUNCTION	0.03	0.72	326.31	0	05:15	0.72
PWOPRMHS0001792	JUNCTION	0.02	0.60	325.84	0	05:15	0.60
PWOPRMHS0001796	JUNCTION	0.00	0.00	326.65	0	00:00	0.00
PWOPRMHS0001797	JUNCTION	0.01	0.17	326.57	0	05:15	0.17
PWOPRMHS0001798	JUNCTION	0.01	0.17	326.23	0	05:15	0.17
PWOPRMHS0001804	JUNCTION	0.00	0.06	332.04	0	05:15	0.06
PWOPRMHS0001836	JUNCTION	0.02	0.53	325.09	0	05:15	0.53
PWOPRMHS0001855	JUNCTION	0.01	0.24	326.45	0	05:15	0.24
PWOPRMHS0001856	JUNCTION	0.01	0.40	328.13	0	05:15	0.40
PWOPRMHS0001857	JUNCTION	0.01	0.24	322.67	0	05:15	0.24
PWOPRMHS0001858	JUNCTION	0.01	0.30	330.23	0	05:15	0.30
PWOPRMHS0001867	JUNCTION	0.00	0.10	332.04	0	05:15	0.10
PWOPRMHS0001874	JUNCTION	0.00	0.10	329.97	0	05:15	0.10
PWOPRMHS0001878	JUNCTION	0.01	0.59	323.87	0	05:13	0.50
PWOPRMHS0001879	JUNCTION	0.01	1.23	324.27	0	05:14	0.97
PWOPRMHS0001881	JUNCTION	0.01	0.26	323.83	0	05:16	0.24
PWOPRMHS0001889	JUNCTION	0.02	0.52	325.15	0	05:15	0.52
PWOPRMHS0001890	JUNCTION	0.02	0.50	325.02	0	05:15	0.50
PWOPRMHS0001891	JUNCTION	0.00	0.11	325.21	0	05:15	0.11
PWOPRMHS0001894	JUNCTION	0.02	0.54	324.77	0	05:15	0.54
PWOPRMHS0001903	JUNCTION	0.01	0.16	332.88	0	05:15	0.16
PWOPRMHS0001904	JUNCTION	0.01	0.27	330.71	0	05:15	0.27
PWOPRMHS0001906	JUNCTION	0.01	0.67	319.47	0	04:53	0.65
PWOPRMHS0001907	JUNCTION	0.01	0.64	319.47	0	04:53	0.63
PWOPRMHS0001908	JUNCTION	0.01	0.15	319.70	0	05:15	0.15
PWOPRMHS0001911	JUNCTION	0.02	0.97	319.46	0	04:53	0.96
PWOPRMHS0001912	JUNCTION	0.05	1.95	319.46	0	04:53	1.94
PWOPRMHS0001914	JUNCTION	0.01	0.15	331.98	0	05:15	0.15
PWOPRMHS0001915	JUNCTION	0.01	0.26	329.45	0	05:15	0.26
PWOPRMHS0001916	JUNCTION	0.01	0.30	327.89	0	05:15	0.30
PWOPRMHS0001917	JUNCTION	0.01	0.24	319.48	0	05:15	0.24
PWOPRMHS0001918	JUNCTION	0.05	1.68	319.49	0	04:54	1.68
PWOPRMHS0001919	JUNCTION	0.01	0.21	328.01	0	05:15	0.21
PWOPRMHS0001925	JUNCTION	0.01	0.32	323.65	0	05:15	0.32
PWOPRMHS0001926	JUNCTION	0.02	0.53	323.22	0	05:15	0.52
PWOPRMHS0001927	JUNCTION	0.01	0.16	323.67	0	05:15	0.16
PWOPRMHS0001928	JUNCTION	0.03	1.02	323.22	0	05:16	1.00
PWOPRMHS0001929	JUNCTION	0.01	0.25	324.10	0	05:15	0.25
PWOPRMHS0001930	JUNCTION	0.01	0.35	323.42	0	05:04	0.35
PWOPRMHS0001931	JUNCTION	0.01	0.20	325.19	0	05:15	0.20
PWOPRMHS0001932	JUNCTION	0.01	0.29	325.60	0	05:15	0.29
PWOPRMHS0001933	JUNCTION	0.01	0.28	325.94	0	05:15	0.28
PWOPRMHS0001935	JUNCTION	0.01	0.25	326.28	0	05:15	0.25
PWOPRMHS0001937	JUNCTION	0.01	0.23	324.51	0	05:15	0.23

PWOPRMHS0001939	JUNCTION	0.00	0.11	327.62	0	05:15	0.11
PWOPRMHS0001941	JUNCTION	0.00	0.00	326.79	0	00:00	0.00
PWOPRMHS0001943	JUNCTION	0.01	0.24	326.66	0	05:15	0.24
PWOPRMHS0001944	JUNCTION	0.02	0.60	323.24	0	05:16	0.57
PWOPRMHS0001945	JUNCTION	0.00	0.00	323.32	0	00:00	0.00
PWOPRMHS0001947	JUNCTION	0.00	0.10	324.12	0	05:15	0.10
PWOPRMHS0002041	JUNCTION	0.01	0.24	329.31	0	05:15	0.24
PWOPRMHS0002042	JUNCTION	0.01	0.27	329.83	0	05:15	0.27
PWOPRMHS0002046	JUNCTION	0.00	0.07	330.79	0	05:15	0.07
PWOPRMHS0002050	JUNCTION	0.01	0.23	329.20	0	05:15	0.23
PWOPRMHS0002051	JUNCTION	0.02	0.62	328.89	0	05:15	0.62
PWOPRMHS0002080	JUNCTION	0.01	0.19	325.42	0	05:15	0.19
PWOPRMHS0002082	JUNCTION	0.01	0.20	326.91	0	05:15	0.20
PWOPRMHS0002083	JUNCTION	0.01	0.28	325.60	0	05:15	0.28
PWOPRMHS0002084	JUNCTION	0.02	0.43	325.40	0	05:15	0.43
PWOPRMHS0002085	JUNCTION	0.00	0.11	329.50	0	05:15	0.11
PWOPRMHS0002095	JUNCTION	0.00	0.12	336.16	0	05:15	0.12
PWOPRMHS0003136	JUNCTION	0.02	0.49	329.38	0	05:15	0.49
PWOPRMHS0003137	JUNCTION	0.01	0.37	329.87	0	05:15	0.37
PWOPRMHS0003140	JUNCTION	0.00	0.00	327.35	0	00:00	0.00
PWOPRMHS0003146	JUNCTION	0.02	0.52	335.12	0	05:15	0.52
PWOPRMHS0003147	JUNCTION	0.01	0.28	334.07	0	05:15	0.28
PWOPRMHS0003148	JUNCTION	0.01	0.40	332.29	0	05:15	0.40
PWOPRMHS0003149	JUNCTION	0.01	0.33	331.19	0	05:15	0.33
PWOPRMHS0003153	JUNCTION	0.01	0.26	336.42	0	05:15	0.26
PWOPRMHS0003160	JUNCTION	0.01	0.15	335.65	0	05:15	0.15
PWOPRMHS0004129	JUNCTION	0.01	0.22	329.29	0	05:15	0.22
PWOPRMHS0004130	JUNCTION	0.01	0.34	329.17	0	05:15	0.34
PWOPRMHS0004131	JUNCTION	0.01	0.27	328.84	0	05:15	0.27
PWOPRMHS0004132	JUNCTION	0.01	0.39	328.52	0	05:15	0.39
PWOPRMHS0004133	JUNCTION	0.01	0.29	329.08	0	05:15	0.29
PWOPRMHS0004134	JUNCTION	0.01	0.17	332.11	0	05:15	0.17
PWOPRMHS0004135	JUNCTION	0.01	0.22	332.65	0	05:15	0.22
PWOPRMHS0004137	JUNCTION	0.00	0.16	334.54	0	05:15	0.16
PWOPRMHS0004141	JUNCTION	0.02	0.49	327.87	0	05:15	0.49
PWOPRMHS0004142	JUNCTION	0.02	0.45	327.49	0	05:15	0.45
PWOPRMHS0004143	JUNCTION	0.01	0.15	327.93	0	05:15	0.15
PWOPRMHS0004146	JUNCTION	0.00	0.00	332.40	0	00:00	0.00
PWOPRMHS0004159	JUNCTION	0.01	0.20	329.83	0	05:15	0.20
PWOPRMHS0004201	JUNCTION	0.01	0.19	329.71	0	05:15	0.19
PWOPRMHS0004998	JUNCTION	0.00	0.03	326.76	0	05:15	0.03
PWOPRMHS0004999	JUNCTION	0.00	0.03	327.52	0	05:15	0.03
PWOPRMHS0005000	JUNCTION	0.01	0.21	327.20	0	05:15	0.21
PWOPRMHS0005001	JUNCTION	0.02	0.30	327.42	0	05:15	0.30
PWOPRMHS0005003	JUNCTION	0.03	0.76	326.95	0	05:15	0.76
PWOPRMHS0005008	JUNCTION	0.00	0.10	338.62	0	05:15	0.10
PWOPRMHS0005009	JUNCTION	0.00	0.08	339.47	0	05:15	0.08
PWOPRMHS0005010	JUNCTION	0.00	0.09	338.23	0	05:15	0.09
PWOPRMHS0005011	JUNCTION	0.01	0.23	335.21	0	05:15	0.23
PWOPRMHS0005012	JUNCTION	0.00	0.12	335.67	0	05:15	0.12
PWOPRMHS0005013	JUNCTION	0.01	0.20	335.00	0	05:15	0.20
PWOPRMHS0005178	JUNCTION	0.00	0.04	328.68	0	05:15	0.04
PWOPRMHS0005179	JUNCTION	0.02	0.45	326.65	0	05:15	0.45
PWOPRMHS0005181	JUNCTION	0.02	0.47	327.13	0	05:15	0.47
PWOPRMHS0005183	JUNCTION	0.01	0.35	328.09	0	05:15	0.35
PWOPRMHS0005188	JUNCTION	0.01	0.20	330.14	0	05:15	0.20
PWOPRMHS0005196	JUNCTION	0.01	0.17	328.38	0	05:15	0.17

PWOPRMHS0005223	JUNCTION	0.02	0.44	326.28	0	05:15	0.44
PWOPRMHS0005226	JUNCTION	0.02	0.44	325.90	0	05:15	0.44
PWOPRMHS0005229	JUNCTION	0.01	0.18	324.92	0	05:15	0.18
PWOPRMHS0005230	JUNCTION	0.01	0.31	324.86	0	05:15	0.31
PWOPRMHS0005231	JUNCTION	0.01	0.17	325.41	0	05:15	0.17
PWOPRMHS0005906	JUNCTION	0.01	0.71	320.34	0	05:14	0.71
PWOPRMHS0005908	JUNCTION	0.00	0.12	319.04	0	05:15	0.12
PWOPRMHS0005909	JUNCTION	0.01	0.22	318.66	0	05:15	0.22
PWOPRMHS0005910	JUNCTION	0.00	0.00	318.95	0	00:00	0.00
PWOPRMHS0005911	JUNCTION	0.00	0.00	319.29	0	00:00	0.00
PWOPRMHS0005924	JUNCTION	0.01	0.17	318.77	0	05:15	0.17
PWOPRMHS0005926	JUNCTION	0.01	0.27	318.32	0	05:15	0.27
PWOPRMHS0005927	JUNCTION	0.01	0.35	318.11	0	05:15	0.35
PWOPRMHS0005930	JUNCTION	0.02	0.39	317.64	0	05:15	0.39
PWOPRMHS0005931	JUNCTION	0.01	0.20	317.90	0	05:15	0.20
PWOPRMHS0005932	JUNCTION	0.00	0.13	318.01	0	05:15	0.13
PWOPRMHS0005944	JUNCTION	0.00	0.12	318.44	0	05:15	0.12
PWOPRMHS0005945	JUNCTION	0.01	0.20	318.42	0	05:15	0.20
PWOPRMHS0005946	JUNCTION	0.01	0.18	318.68	0	05:15	0.18
SWMPOND	JUNCTION	0.03	1.20	323.20	0	05:17	1.19
HanlonCreek	OUTFALL	0.00	0.00	300.00	0	00:00	0.00

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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	
1	JUNCTION	4.783	4.783	0	05:15	27.6	27.6	-0.007	
11	JUNCTION	0.000	96.983	0	05:15	0	627	0.000	
12	JUNCTION	0.000	96.977	0	05:16	0	627	-0.000	
13	JUNCTION	0.000	132.096	0	05:16	0	841	-0.000	
14	JUNCTION	1.180	5.956	0	05:15	5.84	33.4	0.005	
15	JUNCTION	0.000	63.882	0	05:38	0	656	-0.163	
17	JUNCTION	0.000	62.317	0	04:35	0	640	-0.029	
18	JUNCTION	0.711	12.496	0	05:14	3.61	44.9	-0.127	
19	JUNCTION	0.000	5.067	0	05:15	0	23	0.001	
2	JUNCTION	28.505	28.505	0	05:15	166	166	-0.064	
20	JUNCTION	1.586	9.717	0	05:15	7.14	51.7	0.011	
21	JUNCTION	8.094	28.329	0	05:15	48.8	176	0.004	
22	JUNCTION	0.000	14.295	0	05:17	0	65.3	-0.016	
24	JUNCTION	0.275	18.622	0	05:17	0.87	84.1	0.042	
25	JUNCTION	0.000	14.386	0	05:17	0	65.4	-0.003	
26	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
27	JUNCTION	12.956	12.956	0	05:15	80.8	80.8	-0.007	
28	JUNCTION	14.884	28.722	0	05:15	77.9	153	0.030	
29	JUNCTION	0.000	15.759	0	05:15	0	98.7	-0.004	
3	JUNCTION	2.218	8.159	0	05:15	11.1	44.5	-0.014	
30	JUNCTION	0.000	28.236	0	05:15	0	176	0.001	
31	JUNCTION	0.000	28.226	0	05:15	0	176	-0.002	
32	JUNCTION	0.000	28.237	0	05:16	0	176	-0.004	
34	JUNCTION	0.000	35.111	0	05:16	0	204	-0.011	

35	JUNCTION	0.000	33.384	0	05:15	0	204	-0.019
36	JUNCTION	0.041	34.930	0	05:16	0.14	213	0.002
37	JUNCTION	0.821	5.080	0	05:15	4.01	23	0.004
39	JUNCTION	0.000	4.588	0	05:15	0	28.5	0.008
4	JUNCTION	0.112	0.112	0	05:15	0.598	0.598	-0.090
40	JUNCTION	14.939	14.939	0	05:15	95.7	95.7	-0.030
42	JUNCTION	1.239	10.976	0	05:15	6.05	48.9	0.018
48	JUNCTION	2.850	15.790	0	05:15	17.8	98.7	0.004
49	JUNCTION	4.602	4.602	0	05:15	28.5	28.5	-0.010
5	JUNCTION	0.000	9.697	0	05:15	0	51.7	0.003
50	JUNCTION	3.613	33.414	0	05:15	20.6	204	0.017
53	JUNCTION	3.542	84.695	0	05:15	18.5	731	0.002
54	JUNCTION	1.198	65.541	0	05:14	6.26	640	0.011
56	JUNCTION	4.691	66.628	0	05:15	20.3	660	0.008
6	JUNCTION	4.245	13.905	0	05:15	23.6	75.3	-0.010
7	JUNCTION	16.540	112.177	0	05:14	86.5	627	0.002
8	JUNCTION	6.567	63.520	0	05:15	41.5	361	0.007
9	JUNCTION	0.116	84.727	0	05:16	0.622	446	0.008
MHEasement1	JUNCTION	0.050	0.655	0	05:18	0.2	1.58	-0.016
MHEasement2	JUNCTION	0.117	0.800	0	05:22	0.437	2.06	0.012
MHSchool	JUNCTION	0.000	1.039	0	05:15	0	4.78	-0.000
MHSWM4	JUNCTION	0.039	2.454	0	05:15	0.125	10.9	0.001
PWOPRMHS0001369	JUNCTION	0.000	1.173	0	05:14	0	4.16	0.028
PWOPRMHS0001370	JUNCTION	0.000	0.693	0	05:13	0	1.4	-0.050
PWOPRMHS0001371	JUNCTION	0.109	0.384	0	05:18	0.414	0.492	0.046
PWOPRMHS0001372	JUNCTION	0.000	0.153	0	05:16	0	0.0348	4.011
PWOPRMHS0001373	JUNCTION	0.000	0.471	0	05:15	0	0.86	0.192
PWOPRMHS0001374	JUNCTION	0.041	0.566	0	05:16	0.162	0.934	0.003
PWOPRMHS0001375	JUNCTION	0.000	0.713	0	05:15	0	0.928	0.035
PWOPRMHS0001386	JUNCTION	0.000	2.645	0	05:24	0	7.52	-0.012
PWOPRMHS0001387	JUNCTION	0.000	1.579	0	05:24	0	5.35	-0.015
PWOPRMHS0001388	JUNCTION	0.111	1.713	0	05:16	0.417	5.4	0.005
PWOPRMHS0001389	JUNCTION	0.190	1.473	0	05:13	0.764	4.92	-0.008
PWOPRMHS0001390	JUNCTION	0.076	0.234	0	05:33	0.339	0.346	-0.410
PWOPRMHS0001391	JUNCTION	0.000	0.590	0	05:33	0	0.758	0.447
PWOPRMHS0001392	JUNCTION	0.089	0.089	0	05:15	0.335	0.335	0.009
PWOPRMHS0001393	JUNCTION	0.164	0.788	0	05:15	0.785	3.32	0.063
PWOPRMHS0001394	JUNCTION	0.000	0.952	0	04:33	0	1.1	0.884
PWOPRMHS0001395	JUNCTION	0.218	0.488	0	05:39	0.785	0.918	0.484
PWOPRMHS0001398	JUNCTION	0.226	0.654	0	04:34	0.834	0.861	0.305
PWOPRMHS0001399	JUNCTION	0.000	0.790	0	04:33	0	0.975	0.221
PWOPRMHS0001400	JUNCTION	0.000	1.048	0	04:33	0	1.28	0.651
PWOPRMHS0001401	JUNCTION	0.107	2.527	0	04:32	0.392	3.08	-0.336
PWOPRMHS0001402	JUNCTION	0.082	2.454	0	05:31	0.325	4.15	0.033
PWOPRMHS0001403	JUNCTION	0.288	2.417	0	05:15	1.25	10.8	-0.001
PWOPRMHS0001404	JUNCTION	0.000	0.625	0	05:15	0	2.54	-0.055
PWOPRMHS0001408	JUNCTION	0.386	0.386	0	05:15	1.41	1.41	-0.002
PWOPRMHS0001409	JUNCTION	0.123	0.123	0	05:15	0.492	0.492	-0.001
PWOPRMHS0001410	JUNCTION	0.082	1.390	0	05:15	0.348	6.38	-0.006
PWOPRMHS0001411	JUNCTION	0.043	0.345	0	05:15	0.214	1.97	-0.000
PWOPRMHS0001412	JUNCTION	0.021	0.302	0	05:15	0.116	1.76	0.000
PWOPRMHS0001413	JUNCTION	0.241	0.241	0	05:15	1.43	1.43	-0.001
PWOPRMHS0001415	JUNCTION	0.000	1.500	0	05:16	0	4.18	-0.054
PWOPRMHS0001416	JUNCTION	0.000	2.453	0	05:15	0	10.9	-0.009
PWOPRMHS0001418	JUNCTION	0.107	2.905	0	05:15	0.475	12.7	-0.020
PWOPRMHS0001419	JUNCTION	0.000	0.355	0	05:14	0	0.757	-0.050
PWOPRMHS0001420	JUNCTION	0.037	0.189	0	05:15	0.143	0.744	0.076

PWOPRMHS0001421	JUNCTION	0.000	0.153	0	05:15	0	0.601	-0.000	
PWOPRMHS0001422	JUNCTION	0.025	0.216	0	05:15	0.104	0.839	0.218	
PWOPRMHS0001423	JUNCTION	0.025	0.191	0	05:15	0.096	0.735	0.017	
PWOPRMHS0001424	JUNCTION	0.166	0.166	0	05:15	0.639	0.639	-0.001	
PWOPRMHS0001428	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001429	JUNCTION	0.153	0.153	0	05:15	0.601	0.601	-0.000	
PWOPRMHS0001430	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001431	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001433	JUNCTION	0.350	0.350	0	05:15	1.32	1.32	0.035	
PWOPRMHS0001435	JUNCTION	0.054	0.054	0	05:15	0.284	0.284	0.028	
PWOPRMHS0001436	JUNCTION	0.053	3.978	0	05:15	0.214	17.6	0.013	
PWOPRMHS0001437	JUNCTION	0.000	1.026	0	05:15	0	4.75	0.015	
PWOPRMHS0001438	JUNCTION	0.000	4.029	0	05:15	0	17.9	-0.001	
PWOPRMHS0001467	JUNCTION	0.241	0.241	0	05:15	1.13	1.13	0.106	
PWOPRMHS0001597	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001598	JUNCTION	0.146	0.343	0	05:15	0.963	2.3	-0.010	
PWOPRMHS0001600	JUNCTION	0.352	0.352	0	05:15	1.64	1.64	-0.032	
PWOPRMHS0001601	JUNCTION	0.176	0.176	0	05:15	1.18	1.18	-0.000	
PWOPRMHS0001602	JUNCTION	0.014	0.198	0	05:15	0.103	1.34	0.049	
PWOPRMHS0001603	JUNCTION	0.019	0.371	0	05:15	0.131	1.78	-0.012	
PWOPRMHS0001604	JUNCTION	0.024	0.639	0	05:15	0.171	3.05	-0.022	
PWOPRMHS0001605	JUNCTION	0.244	0.244	0	05:15	1.11	1.11	0.022	
PWOPRMHS0001606	JUNCTION	0.120	3.382	0	05:15	0.505	16.2	0.020	
PWOPRMHS0001608	JUNCTION	0.000	2.287	0	05:15	0	10.4	-0.040	
PWOPRMHS0001610	JUNCTION	0.000	2.626	0	05:15	0	12.7	-0.004	
PWOPRMHS0001611	JUNCTION	0.023	4.318	0	04:49	0.09	5.09	1.489	
PWOPRMHS0001614	JUNCTION	0.020	3.514	0	05:14	0.0907	4.38	-0.919	
PWOPRMHS0001622	JUNCTION	0.039	0.039	0	05:15	0.209	0.209	-0.001	
PWOPRMHS0001624	JUNCTION	0.000	0.241	0	05:15	0	1.25	-0.001	
PWOPRMHS0001625	JUNCTION	0.081	0.321	0	05:15	0.342	1.59	-0.000	
PWOPRMHS0001626	JUNCTION	0.241	0.241	0	05:15	1.25	1.25	0.023	
PWOPRMHS0001634	JUNCTION	0.090	1.479	0	05:15	0.368	6.75	0.073	
PWOPRMHS0001642	JUNCTION	0.020	2.414	0	05:15	0.123	1.71	1.676	
PWOPRMHS0001643	JUNCTION	0.033	0.730	0	05:15	0.126	0.89	-0.732	
PWOPRMHS0001649	JUNCTION	0.036	0.475	0	05:15	0.189	2.31	-0.002	
PWOPRMHS0001650	JUNCTION	0.000	0.334	0	05:15	0	1.65	-0.000	
PWOPRMHS0001651	JUNCTION	0.013	0.335	0	05:15	0.0592	1.65	-0.000	
PWOPRMHS0001652	JUNCTION	0.000	0.475	0	05:15	0	2.31	-0.000	
PWOPRMHS0001653	JUNCTION	0.000	0.475	0	05:15	0	2.3	-0.010	
PWOPRMHS0001654	JUNCTION	0.000	0.475	0	05:15	0	2.31	0.028	
PWOPRMHS0001655	JUNCTION	0.105	0.105	0	05:15	0.462	0.462	0.009	
PWOPRMHS0001657	JUNCTION	0.013	0.710	0	05:15	0.0688	2.97	0.020	
PWOPRMHS0001658	JUNCTION	0.181	0.181	0	05:15	0.768	0.768	-0.000	
PWOPRMHS0001659	JUNCTION	0.516	0.516	0	05:15	2.13	2.13	-0.001	
PWOPRMHS0001660	JUNCTION	0.029	1.180	0	05:15	0.123	4.69	0.004	
PWOPRMHS0001661B	JUNCTION	0.773	1.247	0	05:15	2.94	5.25	0.000	
PWOPRMHS0001662	JUNCTION	0.135	3.281	0	05:15	0.478	13.5	-0.029	
PWOPRMHS0001663	JUNCTION	0.012	1.968	0	05:15	0.0753	8.29	-0.017	
PWOPRMHS0001664	JUNCTION	0.000	0.475	0	05:15	0	2.31	0.018	
PWOPRMHS0001667	JUNCTION	0.000	3.381	0	05:15	0	16.2	-0.029	
PWOPRMHS0001670	JUNCTION	0.037	3.410	0	05:16	0.221	16.5	0.017	
PWOPRMHS0001674	JUNCTION	0.000	4.054	0	05:15	0	18	0.001	
PWOPRMHS0001676	JUNCTION	0.030	0.646	0	05:15	0.118	2.88	-0.012	
PWOPRMHS0001677	JUNCTION	0.046	0.616	0	05:15	0.215	2.76	0.006	
PWOPRMHS0001678	JUNCTION	0.200	0.200	0	05:15	0.892	0.892	0.005	
PWOPRMHS0001679	JUNCTION	0.000	0.380	0	05:15	0	1.59	0.001	
PWOPRMHS0001680	JUNCTION	0.046	0.674	0	05:15	0.194	2.89	-0.020	

PWOPRMHS0001682	JUNCTION	0.080	1.288	0	05:15	0.357	5.54	-0.008	
PWOPRMHS0001686	JUNCTION	0.036	1.152	0	05:15	0.157	4.94	-0.000	
PWOPRMHS0001687	JUNCTION	0.000	3.271	0	05:15	0	14.6	0.002	
PWOPRMHS0001688	JUNCTION	0.043	3.410	0	05:15	0.163	15.1	-0.000	
PWOPRMHS0001689	JUNCTION	0.048	3.272	0	05:15	0.214	14.6	0.014	
PWOPRMHS0001690	JUNCTION	0.027	1.938	0	05:15	0.105	8.81	0.000	
PWOPRMHS0001691	JUNCTION	0.082	1.912	0	05:15	0.32	8.71	-0.001	
PWOPRMHS0001692	JUNCTION	0.047	1.590	0	05:15	0.191	7.45	0.000	
PWOPRMHS0001695	JUNCTION	0.234	0.242	0	04:41	1.1	1.1	-0.008	
PWOPRMHS0001697	JUNCTION	0.241	0.241	0	05:15	1.04	1.04	0.069	
PWOPRMHS0001705	JUNCTION	0.101	0.101	0	05:15	0.395	0.395	-0.001	
PWOPRMHS0001706	JUNCTION	0.371	0.371	0	05:15	1.65	1.65	-0.002	
PWOPRMHS0001713	JUNCTION	0.101	4.151	0	05:15	0.379	18.4	-0.004	
PWOPRMHS0001729	JUNCTION	0.000	0.359	0	05:15	0	1.69	-0.000	
PWOPRMHS0001732	JUNCTION	0.000	0.417	0	05:15	0	1.91	0.002	
PWOPRMHS0001733	JUNCTION	0.102	0.102	0	05:15	0.422	0.422	-0.001	
PWOPRMHS0001736	JUNCTION	0.034	0.376	0	05:15	0.132	1.59	-0.035	
PWOPRMHS0001739	JUNCTION	0.105	0.522	0	05:15	0.404	2.32	0.004	
PWOPRMHS0001740	JUNCTION	0.000	0.522	0	05:15	0	2.31	-0.001	
PWOPRMHS0001741	JUNCTION	0.057	0.057	0	05:15	0.228	0.228	-0.002	
PWOPRMHS0001743	JUNCTION	0.054	1.642	0	05:15	0.221	7.67	-0.025	
PWOPRMHS0001744	JUNCTION	0.000	1.545	0	05:15	0	7.26	-0.005	
PWOPRMHS0001745	JUNCTION	0.009	1.517	0	05:15	0.0475	7.14	-0.005	
PWOPRMHS0001746	JUNCTION	0.030	1.545	0	05:15	0.116	7.26	0.005	
PWOPRMHS0001761	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001764	JUNCTION	0.298	0.590	0	05:15	1.25	2.5	-0.003	
PWOPRMHS0001765	JUNCTION	0.293	0.293	0	05:15	1.24	1.24	-0.001	
PWOPRMHS0001766	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001767	JUNCTION	0.075	0.842	0	05:15	0.31	3.57	-0.002	
PWOPRMHS0001768	JUNCTION	0.179	0.179	0	05:15	0.759	0.759	-0.001	
PWOPRMHS0001788	JUNCTION	0.159	2.130	0	05:15	0.653	9.51	0.000	
PWOPRMHS0001791	JUNCTION	0.146	1.622	0	05:15	0.605	7.35	-0.067	
PWOPRMHS0001792	JUNCTION	0.079	1.889	0	05:15	0.323	8.5	-0.001	
PWOPRMHS0001796	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001797	JUNCTION	0.193	0.193	0	05:15	0.822	0.822	-0.001	
PWOPRMHS0001798	JUNCTION	0.000	0.193	0	05:15	0	0.822	-0.000	
PWOPRMHS0001804	JUNCTION	0.047	0.047	0	05:15	0.246	0.246	-0.001	
PWOPRMHS0001836	JUNCTION	0.089	1.975	0	05:15	0.359	8.86	-0.002	
PWOPRMHS0001855	JUNCTION	0.039	0.957	0	05:15	0.236	4.47	-0.000	
PWOPRMHS0001856	JUNCTION	0.000	0.748	0	05:15	0	3.27	-0.001	
PWOPRMHS0001857	JUNCTION	0.070	1.027	0	05:15	0.284	4.75	0.000	
PWOPRMHS0001858	JUNCTION	0.044	0.740	0	05:15	0.244	3.22	-0.000	
PWOPRMHS0001867	JUNCTION	0.068	0.068	0	05:15	0.318	0.318	-0.001	
PWOPRMHS0001874	JUNCTION	0.059	0.059	0	05:15	0.22	0.22	-0.002	
PWOPRMHS0001878	JUNCTION	0.029	0.558	0	05:14	0.108	1.7	-0.330	
PWOPRMHS0001879	JUNCTION	0.000	3.355	0	05:14	0	2.51	0.393	
PWOPRMHS0001881	JUNCTION	0.159	0.159	0	05:15	0.656	0.656	-0.048	
PWOPRMHS0001889	JUNCTION	0.036	0.761	0	05:15	0.145	3	-0.036	
PWOPRMHS0001890	JUNCTION	0.015	1.098	0	05:15	0.0903	4.36	0.051	
PWOPRMHS0001891	JUNCTION	0.096	0.096	0	05:15	0.382	0.382	-0.018	
PWOPRMHS0001894	JUNCTION	0.056	1.153	0	05:15	0.209	4.57	-0.039	
PWOPRMHS0001903	JUNCTION	0.341	0.341	0	05:15	1.44	1.44	-0.000	
PWOPRMHS0001904	JUNCTION	0.000	0.409	0	05:15	0	1.76	-0.002	
PWOPRMHS0001906	JUNCTION	0.029	0.525	0	05:15	0.132	2.03	-0.005	
PWOPRMHS0001907	JUNCTION	0.000	0.269	0	05:15	0	1.04	-0.178	
PWOPRMHS0001908	JUNCTION	0.222	0.222	0	05:15	0.859	0.859	0.040	
PWOPRMHS0001911	JUNCTION	0.000	0.528	0	05:15	0	2.03	-0.016	

PWOPRMHS0001912	JUNCTION	0.167	4.822	0	05:15	0.508	20.8	-0.013	
PWOPRMHS0001914	JUNCTION	0.289	0.289	0	05:15	1.22	1.22	-0.000	
PWOPRMHS0001915	JUNCTION	0.008	0.747	0	05:15	0.0505	3.27	0.005	
PWOPRMHS0001916	JUNCTION	0.125	0.871	0	05:15	0.718	3.98	0.001	
PWOPRMHS0001917	JUNCTION	0.269	0.269	0	05:15	1.04	1.04	0.175	
PWOPRMHS0001918	JUNCTION	0.102	4.132	0	05:15	0.307	18.2	0.012	
PWOPRMHS0001919	JUNCTION	0.190	0.190	0	05:15	0.717	0.717	-0.000	
PWOPRMHS0001925	JUNCTION	0.123	0.767	0	05:15	0.577	3.7	0.105	
PWOPRMHS0001926	JUNCTION	0.000	0.767	0	05:15	0	3.7	-0.139	
PWOPRMHS0001927	JUNCTION	0.000	0.258	0	05:15	0	1.21	-0.013	
PWOPRMHS0001928	JUNCTION	0.136	2.003	0	05:11	0.635	9.29	0.001	
PWOPRMHS0001929	JUNCTION	0.117	0.587	0	05:15	0.549	2.84	0.011	
PWOPRMHS0001930	JUNCTION	0.054	0.708	0	05:15	0.251	3.41	0.144	
PWOPRMHS0001931	JUNCTION	0.000	0.471	0	05:15	0	2.3	-0.000	
PWOPRMHS0001932	JUNCTION	0.000	0.471	0	05:15	0	2.3	-0.001	
PWOPRMHS0001933	JUNCTION	0.141	0.471	0	05:15	0.665	2.3	-0.001	
PWOPRMHS0001935	JUNCTION	0.000	0.330	0	05:15	0	1.63	-0.001	
PWOPRMHS0001937	JUNCTION	0.644	0.644	0	05:15	3.13	3.13	0.015	
PWOPRMHS0001939	JUNCTION	0.258	0.258	0	05:15	1.21	1.21	-0.000	
PWOPRMHS0001941	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001943	JUNCTION	0.330	0.330	0	05:15	1.63	1.63	-0.001	
PWOPRMHS0001944	JUNCTION	0.070	0.785	0	05:14	0.332	3.74	-0.199	
PWOPRMHS0001945	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001947	JUNCTION	0.067	0.067	0	05:15	0.316	0.316	-0.001	
PWOPRMHS0002041	JUNCTION	0.518	0.518	0	05:15	2.47	2.47	-0.000	
PWOPRMHS0002042	JUNCTION	0.359	0.359	0	05:15	1.69	1.69	-0.002	
PWOPRMHS0002046	JUNCTION	0.057	0.057	0	05:15	0.245	0.245	-0.000	
PWOPRMHS0002050	JUNCTION	0.320	0.320	0	05:15	1.7	1.7	-0.000	
PWOPRMHS0002051	JUNCTION	0.094	1.508	0	05:15	0.382	7.09	0.005	
PWOPRMHS0002080	JUNCTION	0.228	0.228	0	05:15	0.893	0.893	-0.001	
PWOPRMHS0002082	JUNCTION	0.399	0.399	0	05:15	1.53	1.53	0.073	
PWOPRMHS0002083	JUNCTION	0.000	0.576	0	05:15	0	2.31	-0.037	
PWOPRMHS0002084	JUNCTION	0.150	0.726	0	05:15	0.545	2.85	0.038	
PWOPRMHS0002085	JUNCTION	0.178	0.178	0	05:15	0.774	0.774	-0.000	
PWOPRMHS0002095	JUNCTION	0.248	0.248	0	05:15	1.1	1.1	-0.007	
PWOPRMHS0003136	JUNCTION	0.015	1.117	0	05:15	0.0653	4.78	-0.000	
PWOPRMHS0003137	JUNCTION	0.055	1.102	0	05:15	0.222	4.72	0.001	
PWOPRMHS0003140	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0003146	JUNCTION	0.025	0.925	0	05:15	0.117	3.99	0.034	
PWOPRMHS0003147	JUNCTION	0.000	0.923	0	05:15	0	3.99	0.000	
PWOPRMHS0003148	JUNCTION	0.000	0.923	0	05:15	0	3.99	-0.000	
PWOPRMHS0003149	JUNCTION	0.127	1.048	0	05:15	0.509	4.5	-0.000	
PWOPRMHS0003153	JUNCTION	0.381	0.381	0	05:15	1.59	1.59	-0.001	
PWOPRMHS0003160	JUNCTION	0.227	0.227	0	05:15	0.982	0.982	-0.000	
PWOPRMHS0004129	JUNCTION	0.239	0.239	0	05:15	0.975	0.975	-0.007	
PWOPRMHS0004130	JUNCTION	0.023	0.523	0	05:15	0.108	2.15	-0.005	
PWOPRMHS0004131	JUNCTION	0.021	0.544	0	05:15	0.106	2.26	0.020	
PWOPRMHS0004132	JUNCTION	0.031	1.494	0	05:15	0.179	6.24	0.011	
PWOPRMHS0004133	JUNCTION	0.041	0.505	0	05:15	0.18	2.07	-0.001	
PWOPRMHS0004134	JUNCTION	0.000	0.464	0	05:15	0	1.89	0.001	
PWOPRMHS0004135	JUNCTION	0.155	0.465	0	05:15	0.635	1.89	-0.007	
PWOPRMHS0004137	JUNCTION	0.034	0.310	0	05:15	0.136	1.25	0.010	
PWOPRMHS0004141	JUNCTION	0.000	1.673	0	05:15	0	7.06	-0.005	
PWOPRMHS0004142	JUNCTION	0.182	1.868	0	05:15	0.892	8.06	-0.014	
PWOPRMHS0004143	JUNCTION	0.180	0.180	0	05:15	0.822	0.822	0.007	
PWOPRMHS0004146	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0004159	JUNCTION	0.261	0.261	0	05:15	1.07	1.07	-0.002	

PWOPRMHS0004201	JUNCTION	0.416	0.416	0	05:15	1.73	1.73	-0.000	
PWOPRMHS0004998	JUNCTION	0.007	0.007	0	05:15	0.0515	0.0515	-0.045	
PWOPRMHS0004999	JUNCTION	0.004	0.004	0	05:15	0.0257	0.0257	0.000	
PWOPRMHS0005000	JUNCTION	0.025	0.323	0	05:15	0.18	1.98	-0.055	
PWOPRMHS0005001	JUNCTION	0.294	0.294	0	05:15	1.77	1.77	-0.001	
PWOPRMHS0005003	JUNCTION	0.103	2.292	0	05:15	0.342	10.4	0.089	
PWOPRMHS0005008	JUNCTION	0.061	0.093	0	05:15	0.267	0.402	-0.000	
PWOPRMHS0005009	JUNCTION	0.032	0.032	0	05:15	0.135	0.135	-0.003	
PWOPRMHS0005010	JUNCTION	0.000	0.093	0	05:15	0	0.402	0.248	
PWOPRMHS0005011	JUNCTION	0.090	0.278	0	05:15	0.321	1.12	-0.106	
PWOPRMHS0005012	JUNCTION	0.096	0.096	0	05:15	0.394	0.394	-0.139	
PWOPRMHS0005013	JUNCTION	0.000	0.277	0	05:15	0	1.12	0.001	
PWOPRMHS0005178	JUNCTION	0.014	0.014	0	05:15	0.103	0.103	-0.262	
PWOPRMHS0005179	JUNCTION	0.077	1.080	0	05:15	0.315	4.69	-0.001	
PWOPRMHS0005181	JUNCTION	0.043	1.003	0	05:15	0.153	4.37	-0.047	
PWOPRMHS0005183	JUNCTION	0.013	0.961	0	05:15	0.09	4.22	0.063	
PWOPRMHS0005188	JUNCTION	0.617	0.617	0	05:15	2.68	2.68	-0.006	
PWOPRMHS0005196	JUNCTION	0.331	0.331	0	05:15	1.45	1.45	-0.001	
PWOPRMHS0005223	JUNCTION	0.039	1.118	0	05:15	0.152	4.84	0.004	
PWOPRMHS0005226	JUNCTION	0.065	1.182	0	05:15	0.241	5.08	-0.005	
PWOPRMHS0005229	JUNCTION	0.020	0.212	0	05:15	0.083	0.814	0.017	
PWOPRMHS0005230	JUNCTION	0.033	1.425	0	05:15	0.132	6.03	-0.080	
PWOPRMHS0005231	JUNCTION	0.192	0.192	0	05:15	0.731	0.731	-0.006	
PWOPRMHS0005906	JUNCTION	0.000	0.091	0	05:12	0	0.0628	0.532	
PWOPRMHS0005908	JUNCTION	0.071	0.071	0	05:15	0.328	0.328	-0.001	
PWOPRMHS0005909	JUNCTION	0.235	0.306	0	05:15	1.13	1.46	0.051	
PWOPRMHS0005910	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0005911	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0005924	JUNCTION	0.169	0.169	0	05:15	0.682	0.682	-0.002	
PWOPRMHS0005926	JUNCTION	0.065	0.371	0	05:15	0.295	1.75	-0.040	
PWOPRMHS0005927	JUNCTION	0.067	0.606	0	05:15	0.309	2.74	0.215	
PWOPRMHS0005930	JUNCTION	0.132	1.141	0	05:15	0.503	5.2	-0.189	
PWOPRMHS0005931	JUNCTION	0.048	0.285	0	05:15	0.302	1.42	0.025	
PWOPRMHS0005932	JUNCTION	0.120	0.120	0	05:15	0.539	0.539	0.054	
PWOPRMHS0005944	JUNCTION	0.056	0.056	0	05:15	0.252	0.252	-0.011	
PWOPRMHS0005945	JUNCTION	0.000	0.238	0	05:15	0	1.12	0.001	
PWOPRMHS0005946	JUNCTION	0.182	0.182	0	05:15	0.87	0.87	-0.001	
SWMPOND	JUNCTION	0.248	2.519	0	05:10	1.09	11.5	-0.052	
HanlonCreek	OUTFALL	0.000	47.783	0	05:05	0	587	0.000	

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

Node	Type	Hours Surcharged	Max. Height Above Crown Meters	Min. Depth Below Rim Meters
13	JUNCTION	1.01	0.000	0.000
15	JUNCTION	1.44	0.000	0.000
53	JUNCTION	1.17	0.000	0.000
56	JUNCTION	1.30	0.000	0.000
7	JUNCTION	0.52	0.000	0.000

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

Node	Hours Flooded	Maximum Rate CMS	Time of Max Occurrence days hr:min	Total Flood Volume 10^6 ltr	Maximum Ponded Depth Meters
13	1.01	50.943	0 05:16	126.665	0.000
15	1.44	26.185	0 05:52	23.881	0.000
53	1.17	20.817	0 05:15	74.921	0.000
56	1.30	18.845	0 05:15	73.426	0.000
7	0.52	20.016	0 05:14	21.035	0.000

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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
HanlonCreek	77.82	2.908	47.783	586.633
System	77.82	2.908	47.783	586.633

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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
1	CONDUIT	4.777	0 05:15	2.75	0.05	0.22
10	CONDUIT	18.685	0 05:21	1.70	0.88	0.89
11	CONDUIT	9.759	0 05:15	1.91	0.18	0.49
13	CONDUIT	5.067	0 05:15	3.13	0.06	0.21
14	CONDUIT	5.063	0 05:15	1.80	0.04	0.32
15	CONDUIT	14.386	0 05:17	2.08	0.15	0.61
16	CONDUIT	28.468	0 05:15	3.02	0.28	0.77
17	CONDUIT	14.489	0 05:17	1.43	0.17	0.79
18	CONDUIT	81.165	0 05:18	5.97	0.75	0.95
19	CONDUIT	96.977	0 05:16	6.95	0.88	0.96
2	CONDUIT	5.943	0 05:15	2.17	0.05	0.31
20	CONDUIT	96.979	0 05:16	6.65	0.89	0.98
21	CONDUIT	81.153	0 05:30	4.51	1.00	1.00
22	CONDUIT	63.882	0 05:38	4.26	1.00	1.00
23	CONDUIT	64.563	0 05:38	6.44	2.29	0.80

24	CONDUIT	62.317	0	04:35	8.95	0.33	0.62
25	CONDUIT	0.000	0	00:00	0.00	0.00	0.16
26	CONDUIT	4.520	0	05:15	0.83	0.15	0.52
27	CONDUIT	12.940	0	05:15	3.77	0.11	0.37
28	CONDUIT	15.759	0	05:15	4.33	0.17	0.38
29	CONDUIT	28.226	0	05:15	4.79	0.31	0.54
3	CONDUIT	8.138	0	05:15	2.50	0.17	0.36
30	CONDUIT	28.237	0	05:16	4.51	0.25	0.57
31	CONDUIT	28.245	0	05:17	3.51	0.31	0.67
32	CONDUIT	35.111	0	05:16	4.45	0.59	0.66
33	CONDUIT	33.384	0	05:15	5.08	0.32	0.59
34	CONDUIT	33.394	0	05:17	4.72	0.34	0.61
35	CONDUIT	34.913	0	05:18	3.19	0.28	0.85
37	CONDUIT	4.588	0	05:15	1.45	0.07	0.45
38	CONDUIT	15.733	0	05:15	3.46	0.13	0.45
4	CONDUIT	9.697	0	05:15	3.08	0.09	0.35
40	CONDUIT	28.236	0	05:15	4.63	0.29	0.55
41	CONDUIT	61.937	0	05:15	5.61	0.41	0.82
42	CONDUIT	10.904	0	05:17	3.43	0.91	0.80
43	CONDUIT	0.112	0	05:15	0.17	0.00	0.12
47	CONDUIT	92.270	0	05:20	6.43	1.03	0.97
5	CONDUIT	9.711	0	05:16	2.78	0.14	0.38
6	CONDUIT	13.843	0	05:15	3.25	0.15	0.43
7	CONDUIT	28.506	0	05:15	3.04	0.23	0.74
70	CONDUIT	47.783	0	05:05	3.57	1.92	0.93
8	CONDUIT	65.982	0	05:16	4.79	0.65	0.71
9	CONDUIT	14.997	0	05:13	2.06	0.19	0.84
PWOPRSES0001498	CONDUIT	0.604	0	04:34	0.98	0.07	0.33
PWOPRSES0001507	CONDUIT	0.385	0	05:15	1.43	0.04	0.14
PWOPRSES0001510	CONDUIT	0.240	0	05:15	1.15	0.02	0.12
PWOPRSES0001511	CONDUIT	0.191	0	05:15	1.23	0.02	0.10
PWOPRSES0001512	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
PWOPRSES0001515	CONDUIT	0.000	0	00:00	0.00	0.00	0.01
PWOPRSES0001516	CONDUIT	0.153	0	05:15	1.74	0.01	0.07
PWOPRSES0001518	CONDUIT	0.000	0	00:00	0.00	0.00	0.03
PWOPRSES0001519	CONDUIT	0.787	0	05:15	1.33	0.05	0.23
PWOPRSES0001520	CONDUIT	1.173	0	05:35	1.87	0.13	0.50
PWOPRSES0001521	CONDUIT	0.751	0	05:35	1.41	0.08	0.33
PWOPRSES0001522	CONDUIT	0.213	0	05:34	0.86	0.03	0.22
PWOPRSES0001524	CONDUIT	0.089	0	05:15	1.43	0.00	0.12
PWOPRSES0001525	CONDUIT	0.223	0	05:14	1.18	0.03	0.14
PWOPRSES0001530	CONDUIT	0.625	0	05:15	1.35	0.04	0.15
PWOPRSES0001534	CONDUIT	1.579	0	05:24	0.82	0.11	0.75
PWOPRSES0001535	CONDUIT	1.583	0	05:16	0.80	0.09	0.66
PWOPRSES0001536	CONDUIT	1.285	0	05:13	1.15	0.08	0.54
PWOPRSES0001537	CONDUIT	1.173	0	05:14	1.21	0.07	0.39
PWOPRSES0001538	CONDUIT	0.729	0	05:16	1.30	0.03	0.25
PWOPRSES0001541	CONDUIT	0.846	0	04:35	1.26	0.08	0.34
PWOPRSES0001542	CONDUIT	1.175	0	04:35	1.38	0.11	0.41
PWOPRSES0001543	CONDUIT	2.493	0	04:32	0.63	0.05	0.66
PWOPRSES0001544	CONDUIT	3.815	0	05:35	1.52	0.13	0.54
PWOPRSES0001545	CONDUIT	0.439	0	05:39	0.76	0.05	0.51
PWOPRSES0001546	CONDUIT	0.871	0	05:15	3.44	0.03	0.13
PWOPRSES0001547	CONDUIT	0.747	0	05:15	1.95	0.06	0.18
PWOPRSES0001548	CONDUIT	0.047	0	05:15	1.90	0.00	0.03
PWOPRSES0001551	CONDUIT	0.748	0	05:15	2.65	0.03	0.15
PWOPRSES0001555	CONDUIT	0.957	0	05:15	4.63	0.03	0.12

PWOPRSES0001556	CONDUIT	1.026	0	05:15	3.31	0.03	0.15
PWOPRSES0001557	CONDUIT	0.350	0	05:15	2.60	0.00	0.11
PWOPRSES0001558	CONDUIT	2.451	0	05:15	1.63	0.12	0.36
PWOPRSES0001559	CONDUIT	2.416	0	05:15	3.78	0.07	0.26
PWOPRSES0001564	CONDUIT	1.026	0	05:15	2.68	0.03	0.25
PWOPRSES0001565	CONDUIT	3.977	0	05:15	1.58	0.29	0.52
PWOPRSES0001566	CONDUIT	2.900	0	05:15	1.38	0.19	0.45
PWOPRSES0001567	CONDUIT	0.054	0	05:15	1.11	0.00	0.04
PWOPRSES0001571	CONDUIT	0.000	0	00:00	0.00	0.00	0.04
PWOPRSES0001572	CONDUIT	2.130	0	05:15	4.19	0.10	0.22
PWOPRSES0001575	CONDUIT	2.537	0	05:23	0.55	0.18	0.94
PWOPRSES0001576	CONDUIT	1.155	0	05:24	0.52	0.13	0.85
PWOPRSES0001577	CONDUIT	1.589	0	05:24	0.75	0.08	0.84
PWOPRSES0001579	CONDUIT	0.153	0	05:15	1.67	0.01	0.07
PWOPRSES0001580	CONDUIT	0.192	0	05:14	1.88	0.01	0.12
PWOPRSES0001581	CONDUIT	0.510	0	05:14	1.14	0.04	0.24
PWOPRSES0001582	CONDUIT	0.621	0	05:14	1.09	0.05	0.37
PWOPRSES0001583	CONDUIT	0.311	0	05:18	0.99	0.01	0.18
PWOPRSES0001584	CONDUIT	0.431	0	04:47	1.21	0.02	0.35
PWOPRSES0001585	CONDUIT	0.615	0	05:18	0.88	0.05	0.47
PWOPRSES0001586	CONDUIT	0.165	0	05:15	1.46	0.01	0.08
PWOPRSES0001587	CONDUIT	0.621	0	05:26	1.07	0.04	0.59
PWOPRSES0001633	CONDUIT	0.241	0	05:15	1.51	0.03	0.10
PWOPRSES0001634	CONDUIT	0.039	0	05:15	1.02	0.00	0.04
PWOPRSES0001654	CONDUIT	1.478	0	05:15	1.83	0.16	0.30
PWOPRSES0001655	CONDUIT	1.889	0	05:15	2.71	0.14	0.27
PWOPRSES0001656	CONDUIT	1.974	0	05:15	2.97	0.15	0.26
PWOPRSES0001658	CONDUIT	1.390	0	05:15	1.75	0.16	0.30
PWOPRSES0001660	CONDUIT	1.619	0	05:15	1.80	0.20	0.33
PWOPRSES0001662	CONDUIT	0.193	0	05:15	1.67	0.01	0.08
PWOPRSES0001663	CONDUIT	0.193	0	05:15	1.47	0.02	0.09
PWOPRSES0001667	CONDUIT	2.453	0	05:15	2.41	0.17	0.37
PWOPRSES0001679	CONDUIT	0.123	0	05:15	1.56	0.01	0.06
PWOPRSES0001680	CONDUIT	0.345	0	05:15	2.44	0.01	0.09
PWOPRSES0001681	CONDUIT	0.301	0	05:15	3.37	0.01	0.07
PWOPRSES0001682	CONDUIT	0.841	0	05:15	1.96	0.08	0.19
PWOPRSES0001684	CONDUIT	0.179	0	05:15	1.39	0.01	0.08
PWOPRSES0001687	CONDUIT	0.105	0	05:15	2.02	0.00	0.05
PWOPRSES0001688	CONDUIT	0.475	0	05:15	2.81	0.02	0.10
PWOPRSES0001698	CONDUIT	0.475	0	05:15	2.49	0.02	0.11
PWOPRSES0001699	CONDUIT	0.475	0	05:15	2.42	0.02	0.11
PWOPRSES0001711	CONDUIT	0.370	0	05:15	1.55	0.04	0.13
PWOPRSES0001712	CONDUIT	0.200	0	05:15	1.82	0.01	0.09
PWOPRSES0001713	CONDUIT	0.616	0	05:15	1.37	0.06	0.20
PWOPRSES0001718	CONDUIT	0.529	0	05:14	1.08	0.08	0.27
PWOPRSES0001720	CONDUIT	0.102	0	05:15	1.19	0.01	0.06
PWOPRSES0001721	CONDUIT	0.240	0	05:15	1.21	0.02	0.15
PWOPRSES0001724	CONDUIT	3.271	0	05:15	1.78	0.22	0.40
PWOPRSES0001725	CONDUIT	3.270	0	05:15	1.85	0.17	0.40
PWOPRSES0001728	CONDUIT	3.410	0	05:15	2.06	0.17	0.38
PWOPRSES0001730	CONDUIT	4.055	0	05:15	3.80	0.22	0.28
PWOPRSES0001732	CONDUIT	0.101	0	05:15	1.49	0.01	0.05
PWOPRSES0001733	CONDUIT	0.646	0	05:15	1.31	0.17	0.21
PWOPRSES0001744	CONDUIT	1.545	0	05:15	1.72	0.15	0.33
PWOPRSES0001745	CONDUIT	1.152	0	05:15	3.10	0.04	0.18
PWOPRSES0001747	CONDUIT	0.057	0	05:15	1.78	0.00	0.03
PWOPRSES0001748	CONDUIT	1.288	0	05:15	1.87	0.07	0.27

PWOPRSES0001750	CONDUIT	1.937	0	05:15	1.57	0.15	0.42
PWOPRSES0001753	CONDUIT	1.912	0	05:15	1.72	0.13	0.38
PWOPRSES0001754	CONDUIT	0.057	0	05:15	0.98	0.00	0.05
PWOPRSES0001755	CONDUIT	1.516	0	05:15	1.68	0.17	0.33
PWOPRSES0001756	CONDUIT	1.545	0	05:15	1.86	0.17	0.31
PWOPRSES0001757	CONDUIT	1.508	0	05:15	1.88	0.16	0.30
PWOPRSES0001758	CONDUIT	0.058	0	05:15	1.01	0.00	0.05
PWOPRSES0001759	CONDUIT	1.590	0	05:15	1.92	0.13	0.31
PWOPRSES0001760	CONDUIT	1.642	0	05:15	2.15	0.15	0.29
PWOPRSES0001761	CONDUIT	0.190	0	05:15	1.19	0.02	0.10
PWOPRSES0001765A	CONDUIT	0.521	0	05:15	1.15	0.06	0.20
PWOPRSES0001765B	CONDUIT	1.038	0	05:15	1.90	0.11	0.23
PWOPRSES0001766	CONDUIT	0.518	0	05:15	2.40	0.03	0.12
PWOPRSES0001768	CONDUIT	0.319	0	05:15	1.83	0.02	0.10
PWOPRSES0001770	CONDUIT	0.380	0	05:15	1.61	0.03	0.13
PWOPRSES0001771	CONDUIT	0.248	0	05:15	2.75	0.01	0.07
PWOPRSES0001774	CONDUIT	1.986	0	05:20	0.99	0.23	0.61
PWOPRSES0001775	CONDUIT	3.608	0	05:21	1.29	0.03	0.46
PWOPRSES0001776	CONDUIT	0.637	0	05:15	0.82	0.07	0.34
PWOPRSES0001777	CONDUIT	0.198	0	05:15	1.15	0.02	0.11
PWOPRSES0001778	CONDUIT	0.371	0	05:15	1.19	0.05	0.16
PWOPRSES0001779	CONDUIT	2.626	0	05:15	2.37	0.04	0.29
PWOPRSES0001780	CONDUIT	0.244	0	05:15	1.31	0.02	0.11
PWOPRSES0001781	CONDUIT	0.000	0	00:00	0.00	0.00	0.05
PWOPRSES0001782	CONDUIT	0.352	0	05:15	1.30	0.03	0.14
PWOPRSES0001783	CONDUIT	0.176	0	05:15	1.27	0.02	0.09
PWOPRSES0001784	CONDUIT	3.381	0	05:15	2.29	0.34	0.48
PWOPRSES0001785	CONDUIT	2.287	0	05:16	2.27	0.20	0.36
PWOPRSES0001786	CONDUIT	0.343	0	05:15	1.50	0.03	0.14
PWOPRSES0001790	CONDUIT	0.207	0	05:12	0.90	0.03	0.18
PWOPRSES0001791	CONDUIT	0.833	0	05:15	1.39	0.08	0.34
PWOPRSES0001797	CONDUIT	3.378	0	05:16	2.23	0.45	0.49
PWOPRSES0001798	CONDUIT	3.429	0	05:14	3.46	0.06	0.27
PWOPRSES0001803	CONDUIT	0.335	0	05:14	0.57	0.04	0.53
PWOPRSES0001806	CONDUIT	0.767	0	05:15	2.29	0.06	0.20
PWOPRSES0001807	CONDUIT	1.999	0	05:16	1.48	0.18	0.55
PWOPRSES0001808	CONDUIT	0.067	0	05:15	1.14	0.00	0.05
PWOPRSES0001809	CONDUIT	0.715	0	05:14	1.91	0.06	0.22
PWOPRSES0001810	CONDUIT	0.000	0	00:00	0.00	0.00	0.08
PWOPRSES0001812	CONDUIT	0.816	0	05:05	1.40	0.07	0.37
PWOPRSES0001819	CONDUIT	0.398	0	05:15	2.24	0.02	0.11
PWOPRSES0001821	CONDUIT	0.576	0	05:15	2.26	0.04	0.14
PWOPRSES0001822	CONDUIT	0.178	0	05:15	2.70	0.01	0.05
PWOPRSES0001823	CONDUIT	0.726	0	05:15	1.48	0.08	0.21
PWOPRSES0001824	CONDUIT	1.967	0	05:15	1.84	0.25	0.37
PWOPRSES0001825	CONDUIT	1.098	0	05:15	1.80	0.13	0.25
PWOPRSES0001826	CONDUIT	0.760	0	05:15	1.37	0.18	0.23
PWOPRSES0001827	CONDUIT	1.153	0	05:15	1.66	0.13	0.27
PWOPRSES0001828	CONDUIT	1.181	0	05:15	1.60	0.11	0.29
PWOPRSES0001829	CONDUIT	3.280	0	05:15	1.26	0.06	0.32
PWOPRSES0001840	CONDUIT	1.334	0	05:14	1.38	0.11	0.42
PWOPRSES0001841	CONDUIT	3.494	0	05:14	2.64	0.18	0.52
PWOPRSES0001842	CONDUIT	2.257	0	05:16	2.47	0.08	0.47
PWOPRSES0001844	CONDUIT	0.096	0	05:15	1.36	0.00	0.07
PWOPRSES0001845	CONDUIT	0.228	0	05:15	1.58	0.02	0.09
PWOPRSES0001855	CONDUIT	0.740	0	05:15	2.85	0.03	0.14
PWOPRSES0001856	CONDUIT	0.289	0	05:15	2.81	0.01	0.07

PWOPRSES0001861	CONDUIT	0.068	0	05:15	1.21	0.00	0.05
PWOPRSES0001862	CONDUIT	0.222	0	05:15	1.67	0.01	0.15
PWOPRSES0001865	CONDUIT	0.408	0	05:15	1.62	0.04	0.13
PWOPRSES0001866	CONDUIT	0.341	0	05:15	3.20	0.01	0.07
PWOPRSES0001868	CONDUIT	0.284	0	04:55	0.76	0.03	0.33
PWOPRSES0001890	CONDUIT	0.516	0	05:15	2.23	0.03	0.13
PWOPRSES0001891	CONDUIT	0.475	0	05:15	1.99	0.03	0.13
PWOPRSES0001892	CONDUIT	0.181	0	05:15	1.03	0.02	0.10
PWOPRSES0001895	CONDUIT	0.321	0	05:15	2.02	0.02	0.10
PWOPRSES0001896	CONDUIT	0.334	0	05:15	2.34	0.02	0.09
PWOPRSES0001897	CONDUIT	0.334	0	05:15	2.02	0.01	0.10
PWOPRSES0001899	CONDUIT	0.241	0	05:15	1.74	0.01	0.09
PWOPRSES0001900	CONDUIT	0.241	0	05:15	1.73	0.01	0.09
PWOPRSES0001904	CONDUIT	0.474	0	05:15	1.34	0.04	0.20
PWOPRSES0001905	CONDUIT	1.246	0	05:15	1.55	0.13	0.32
PWOPRSES0001906	CONDUIT	0.710	0	05:15	1.10	0.07	0.26
PWOPRSES0001919	CONDUIT	0.000	0	00:00	0.00	0.00	0.04
PWOPRSES0001930	CONDUIT	0.292	0	05:15	1.37	0.03	0.12
PWOPRSES0001931	CONDUIT	0.589	0	05:15	1.44	0.09	0.19
PWOPRSES0001932	CONDUIT	0.000	0	00:00	0.00	0.00	0.01
PWOPRSES0001941	CONDUIT	0.644	0	05:15	2.74	0.03	0.13
PWOPRSES0001942	CONDUIT	0.471	0	05:15	2.93	0.02	0.10
PWOPRSES0001943	CONDUIT	0.471	0	05:15	1.71	0.04	0.14
PWOPRSES0001944	CONDUIT	0.471	0	05:15	1.76	0.04	0.14
PWOPRSES0001951	CONDUIT	0.000	0	00:00	0.00	0.00	0.06
PWOPRSES0001952	CONDUIT	0.330	0	05:15	1.51	0.03	0.12
PWOPRSES0001960	CONDUIT	0.330	0	05:15	1.54	0.03	0.12
PWOPRSES0001961	CONDUIT	0.587	0	05:15	2.52	0.03	0.13
PWOPRSES0001962	CONDUIT	0.858	0	05:17	1.34	0.08	0.38
PWOPRSES0001963	CONDUIT	0.258	0	05:15	1.64	0.01	0.22
PWOPRSES0001968	CONDUIT	0.258	0	05:15	3.81	0.01	0.05
PWOPRSES0001972	CONDUIT	0.269	0	05:15	1.03	0.03	0.19
PWOPRSES0001976	CONDUIT	4.156	0	05:16	1.19	0.34	0.72
PWOPRSES0001977	CONDUIT	0.528	0	05:15	1.32	0.04	0.39
PWOPRSES0001978	CONDUIT	4.825	0	05:15	0.80	0.12	0.80
PWOPRSES0001979	CONDUIT	0.526	0	05:15	1.36	0.03	0.52
PWOPRSES0001984	CONDUIT	4.035	0	05:16	1.40	0.29	0.60
PWOPRSES0002119	CONDUIT	0.359	0	05:15	1.45	0.04	0.13
PWOPRSES0002120	CONDUIT	0.417	0	05:15	1.30	0.03	0.16
PWOPRSES0002121	CONDUIT	0.359	0	05:15	1.17	0.05	0.15
PWOPRSES0002122	CONDUIT	0.522	0	05:15	1.65	0.04	0.16
PWOPRSES0003435	CONDUIT	1.102	0	05:15	2.66	0.05	0.19
PWOPRSES0003436	CONDUIT	1.117	0	05:15	2.05	0.10	0.23
PWOPRSES0003439	CONDUIT	0.000	0	00:00	0.00	0.00	0.02
PWOPRSES0003446	CONDUIT	0.923	0	05:15	1.58	0.14	0.24
PWOPRSES0003447	CONDUIT	0.923	0	05:15	4.07	0.03	0.12
PWOPRSES0003448	CONDUIT	0.923	0	05:15	2.64	0.04	0.17
PWOPRSES0003449	CONDUIT	1.047	0	05:15	3.36	0.05	0.16
PWOPRSES0003457	CONDUIT	0.380	0	05:15	1.49	0.03	0.14
PWOPRSES0003465	CONDUIT	0.227	0	05:15	2.20	0.01	0.07
PWOPRSES0003466	CONDUIT	0.673	0	05:15	1.51	0.06	0.20
PWOPRSES0004584	CONDUIT	0.464	0	05:15	2.91	0.02	0.10
PWOPRSES0004585	CONDUIT	0.464	0	05:15	2.30	0.01	0.12
PWOPRSES0004586	CONDUIT	0.504	0	05:15	2.06	0.03	0.13
PWOPRSES0004587	CONDUIT	0.239	0	05:15	1.25	0.02	0.11
PWOPRSES0004588	CONDUIT	0.523	0	05:15	1.72	0.05	0.15
PWOPRSES0004589	CONDUIT	0.310	0	05:15	2.04	0.01	0.10

PWOPRSES0004590	CONDUIT	0.544	0	05:15	1.91	0.03	0.15
PWOPRSES0004591	CONDUIT	1.493	0	05:15	1.97	0.07	0.22
PWOPRSES0004592	CONDUIT	1.672	0	05:15	2.12	0.08	0.23
PWOPRSES0004593	CONDUIT	0.180	0	05:15	1.56	0.01	0.10
PWOPRSES0004594	CONDUIT	1.866	0	05:15	1.58	0.09	0.30
PWOPRSES0004597	CONDUIT	0.000	0	00:00	0.00	0.00	0.02
PWOPRSES0004603	CONDUIT	0.261	0	05:15	1.64	0.02	0.10
PWOPRSES0004637	CONDUIT	0.416	0	05:15	2.77	0.02	0.09
PWOPRSES0005529	CONDUIT	0.007	0	05:15	0.52	0.00	0.04
PWOPRSES0005530	CONDUIT	0.004	0	05:15	0.74	0.00	0.01
PWOPRSES0005531	CONDUIT	0.294	0	05:15	1.13	0.05	0.14
PWOPRSES0005532	CONDUIT	0.323	0	05:15	0.97	0.02	0.24
PWOPRSES0005534	CONDUIT	2.287	0	05:15	2.22	0.25	0.36
PWOPRSES0005535	CONDUIT	0.032	0	05:15	0.83	0.00	0.04
PWOPRSES0005536	CONDUIT	0.093	0	05:15	1.76	0.00	0.05
PWOPRSES0005537	CONDUIT	0.093	0	05:15	1.67	0.00	0.06
PWOPRSES0005539	CONDUIT	0.096	0	05:15	1.16	0.01	0.06
PWOPRSES0005540	CONDUIT	0.277	0	05:15	1.62	0.02	0.10
PWOPRSES0005541	CONDUIT	0.277	0	05:15	1.99	0.02	0.09
PWOPRSES0005710	CONDUIT	4.151	0	05:15	3.05	0.04	0.19
PWOPRSES0005734	CONDUIT	0.014	0	05:15	0.52	0.00	0.12
PWOPRSES0005735	CONDUIT	1.003	0	05:15	1.91	0.10	0.22
PWOPRSES0005736	CONDUIT	0.961	0	05:15	2.64	0.06	0.17
PWOPRSES0005739	CONDUIT	0.617	0	05:15	2.35	0.02	0.14
PWOPRSES0005744	CONDUIT	0.331	0	05:15	1.37	0.01	0.13
PWOPRSES0005766	CONDUIT	1.079	0	05:15	2.18	0.09	0.21
PWOPRSES0005767	CONDUIT	1.117	0	05:15	2.18	0.10	0.22
PWOPRSES0005768	CONDUIT	1.181	0	05:15	2.31	0.10	0.22
PWOPRSES0005769	CONDUIT	1.424	0	05:15	0.64	0.02	0.50
PWOPRSES0005770	CONDUIT	0.192	0	05:15	1.42	0.02	0.09
PWOPRSES0005771	CONDUIT	0.212	0	05:15	1.26	0.01	0.11
PWOPRSES0006537	CONDUIT	0.056	0	05:15	0.48	0.01	0.08
PWOPRSES0006538	CONDUIT	0.139	0	05:22	0.25	0.01	0.46
PWOPRSES0006542	CONDUIT	0.071	0	05:15	0.92	0.01	0.06
PWOPRSES0006547	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
PWOPRSES0006548	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
PWOPRSES0006549	CONDUIT	0.306	0	05:15	1.58	0.03	0.11
PWOPRSES0006550	CONDUIT	0.371	0	05:15	1.46	0.04	0.13
PWOPRSES0006551	CONDUIT	0.168	0	05:15	1.35	0.01	0.08
PWOPRSES0006552	CONDUIT	0.606	0	05:15	1.56	0.06	0.18
PWOPRSES0006553	CONDUIT	1.136	0	05:15	0.46	0.04	0.39
PWOPRSES0006554	CONDUIT	0.285	0	05:15	1.76	0.01	0.11
PWOPRSES0006555	CONDUIT	0.120	0	05:15	0.92	0.01	0.10
PWOPRSES0006576	CONDUIT	0.182	0	05:15	1.34	0.02	0.09
PWOPRSES0006577	CONDUIT	0.237	0	05:15	1.47	0.02	0.10
STMEasement	CONDUIT	0.735	0	05:22	0.65	0.07	0.73
SWMPOND_OUT	CONDUIT	2.576	0	05:26	0.78	0.07	0.65

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Flow Classification Summary
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Conduit	Adjusted /Actual Length	Dry	Up Dry	Down Dry	Sub Crit	Sup Crit	Up Crit	Down Crit	Norm Ltd	Inlet Ctrl
		---------- Fraction of Time in Flow Class ----------								

1	1.00	0.69	0.03	0.00	0.20	0.09	0.00	0.00	0.85	0.00
10	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.82	0.00
11	1.00	0.40	0.14	0.00	0.45	0.00	0.00	0.00	0.81	0.00
13	1.00	0.69	0.00	0.00	0.22	0.09	0.00	0.00	0.12	0.00
14	1.00	0.55	0.15	0.00	0.30	0.00	0.00	0.00	0.99	0.00
15	1.00	0.46	0.00	0.00	0.48	0.06	0.00	0.00	0.24	0.00
16	1.00	0.00	0.63	0.00	0.36	0.01	0.00	0.00	0.99	0.00
17	1.00	0.00	0.47	0.00	0.52	0.00	0.00	0.00	0.96	0.00
18	1.00	0.00	0.00	0.00	0.90	0.09	0.00	0.00	0.98	0.00
19	1.00	0.00	0.00	0.00	0.80	0.19	0.00	0.00	0.37	0.00
2	1.00	0.43	0.26	0.00	0.31	0.00	0.00	0.00	0.98	0.00
20	1.00	0.12	0.00	0.00	0.74	0.13	0.00	0.00	0.54	0.00
21	1.00	0.15	0.01	0.00	0.83	0.01	0.00	0.00	0.75	0.00
22	1.00	0.08	0.08	0.00	0.85	0.00	0.00	0.00	0.84	0.00
23	1.00	0.08	0.00	0.00	0.78	0.14	0.00	0.00	0.01	0.00
24	1.00	0.28	0.05	0.00	0.35	0.32	0.00	0.00	0.85	0.00
25	1.00	0.63	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00	0.30	0.00
27	1.00	0.59	0.03	0.00	0.22	0.16	0.00	0.00	0.99	0.00
28	1.00	0.58	0.01	0.00	0.24	0.17	0.00	0.00	0.87	0.00
29	1.00	0.39	0.00	0.00	0.45	0.17	0.00	0.00	0.10	0.00
3	1.00	0.43	0.00	0.00	0.57	0.00	0.00	0.00	0.05	0.00
30	1.00	0.46	0.00	0.00	0.36	0.17	0.00	0.00	0.48	0.00
31	1.00	0.35	0.11	0.00	0.52	0.02	0.00	0.00	0.93	0.00
32	1.00	0.35	0.00	0.00	0.56	0.09	0.00	0.00	0.00	0.00
33	1.00	0.45	0.01	0.00	0.37	0.17	0.00	0.00	0.40	0.00
34	1.00	0.45	0.00	0.00	0.39	0.16	0.00	0.00	0.22	0.00
35	1.00	0.16	0.30	0.00	0.54	0.00	0.00	0.00	0.96	0.00
37	1.00	0.05	0.70	0.00	0.25	0.00	0.00	0.00	0.94	0.00
38	1.00	0.34	0.25	0.00	0.35	0.07	0.00	0.00	0.99	0.00
4	1.00	0.52	0.02	0.00	0.40	0.07	0.00	0.00	0.95	0.00
40	1.00	0.34	0.00	0.00	0.50	0.16	0.00	0.00	0.50	0.00
41	1.00	0.00	0.28	0.00	0.64	0.08	0.00	0.00	0.99	0.00
42	1.00	0.40	0.00	0.00	0.57	0.02	0.00	0.00	0.27	0.00
43	1.00	0.69	0.07	0.00	0.24	0.00	0.00	0.00	1.00	0.00
47	1.00	0.00	0.00	0.00	0.82	0.18	0.00	0.00	0.04	0.00
5	1.00	0.44	0.08	0.00	0.48	0.00	0.00	0.00	0.98	0.00
6	1.00	0.37	0.07	0.00	0.54	0.03	0.00	0.00	0.99	0.00
7	1.00	0.00	0.37	0.00	0.63	0.00	0.00	0.00	0.99	0.00
70	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
8	1.00	0.00	0.00	0.00	0.94	0.06	0.00	0.00	0.00	0.00
9	1.00	0.00	0.69	0.00	0.31	0.00	0.00	0.00	0.96	0.00
PWOPRSES0001498	1.00	0.00	0.00	0.00	0.05	0.04	0.00	0.90	0.00	0.00
PWOPRSES0001507	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001510	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001511	1.00	0.00	0.00	0.00	0.00	0.09	0.00	0.91	0.00	0.00
PWOPRSES0001512	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001515	1.00	0.99	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001516	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001518	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001519	1.00	0.82	0.00	0.00	0.02	0.00	0.00	0.16	0.01	0.00
PWOPRSES0001520	1.00	0.00	0.00	0.00	0.03	0.00	0.00	0.97	0.01	0.00
PWOPRSES0001521	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.02	0.00
PWOPRSES0001522	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
PWOPRSES0001524	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
PWOPRSES0001525	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00

PWOPRSES0001530	1.00	0.83	0.00	0.00	0.15	0.00	0.00	0.02	0.15	0.00
PWOPRSES0001534	1.00	0.82	0.00	0.00	0.04	0.00	0.00	0.13	0.00	0.00
PWOPRSES0001535	1.00	0.82	0.00	0.00	0.18	0.00	0.00	0.00	0.16	0.00
PWOPRSES0001536	1.00	0.82	0.00	0.00	0.02	0.00	0.00	0.16	0.00	0.00
PWOPRSES0001537	1.00	0.82	0.00	0.00	0.10	0.00	0.00	0.08	0.00	0.00
PWOPRSES0001538	1.00	0.82	0.00	0.00	0.17	0.00	0.00	0.00	0.99	0.00
PWOPRSES0001541	1.00	0.00	0.83	0.00	0.17	0.00	0.00	0.00	0.97	0.00
PWOPRSES0001542	1.00	0.00	0.00	0.00	0.03	0.00	0.00	0.97	0.01	0.00
PWOPRSES0001543	1.00	0.16	0.66	0.00	0.17	0.01	0.00	0.00	0.96	0.00
PWOPRSES0001544	1.00	0.46	0.36	0.00	0.18	0.00	0.00	0.00	0.96	0.00
PWOPRSES0001545	1.00	0.00	0.00	0.00	0.03	0.00	0.00	0.97	0.00	0.00
PWOPRSES0001546	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001547	1.00	0.00	0.00	0.00	0.00	0.07	0.00	0.93	0.00	0.00
PWOPRSES0001548	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001551	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.00	0.00
PWOPRSES0001555	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001556	1.00	0.00	0.82	0.00	0.00	0.17	0.00	0.00	1.00	0.00
PWOPRSES0001557	1.65	0.00	0.00	0.00	0.01	0.00	0.00	0.99	0.01	0.00
PWOPRSES0001558	1.00	0.00	0.00	0.00	0.18	0.00	0.00	0.82	0.00	0.00
PWOPRSES0001559	1.00	0.00	0.81	0.00	0.01	0.18	0.00	0.00	1.00	0.00
PWOPRSES0001564	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001565	1.00	0.81	0.00	0.00	0.19	0.00	0.00	0.00	0.83	0.00
PWOPRSES0001566	1.00	0.00	0.00	0.00	0.06	0.00	0.00	0.94	0.00	0.00
PWOPRSES0001567	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
PWOPRSES0001571	1.00	0.92	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001572	1.00	0.00	0.00	0.00	0.81	0.18	0.00	0.00	0.00	0.00
PWOPRSES0001575	1.00	0.35	0.47	0.00	0.18	0.00	0.00	0.00	0.94	0.00
PWOPRSES0001576	1.00	0.82	0.01	0.00	0.17	0.00	0.00	0.00	0.95	0.00
PWOPRSES0001577	1.00	0.82	0.00	0.00	0.18	0.00	0.00	0.00	0.13	0.00
PWOPRSES0001579	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001580	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
PWOPRSES0001581	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001582	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001583	1.12	0.99	0.00	0.00	0.01	0.00	0.00	0.00	0.93	0.00
PWOPRSES0001584	1.13	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001585	1.00	0.00	0.00	0.00	0.97	0.02	0.00	0.00	0.93	0.00
PWOPRSES0001586	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001587	1.00	0.00	0.82	0.00	0.12	0.06	0.00	0.00	0.98	0.00
PWOPRSES0001633	1.00	0.00	0.82	0.00	0.08	0.10	0.00	0.00	0.82	0.00
PWOPRSES0001634	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001654	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001655	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001656	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001658	1.00	0.00	0.82	0.00	0.18	0.00	0.00	0.00	0.90	0.00
PWOPRSES0001660	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001662	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001663	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001667	1.00	0.00	0.00	0.00	0.00	0.05	0.00	0.95	0.01	0.00
PWOPRSES0001679	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001680	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001681	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001682	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001684	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001687	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
PWOPRSES0001688	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001698	1.00	0.00	0.82	0.00	0.01	0.16	0.00	0.00	0.93	0.00
PWOPRSES0001699	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00

PWOPRSES0001711	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001712	1.51	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0001713	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.97	0.00	0.00
PWOPRSES0001718	1.00	0.00	0.82	0.00	0.17	0.00	0.00	0.00	0.83	0.00
PWOPRSES0001720	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001721	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.99	0.01	0.00
PWOPRSES0001724	1.00	0.82	0.00	0.00	0.18	0.00	0.00	0.00	0.09	0.00
PWOPRSES0001725	1.00	0.82	0.00	0.00	0.02	0.00	0.00	0.16	0.00	0.00
PWOPRSES0001728	1.00	0.82	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.00
PWOPRSES0001730	1.00	0.82	0.00	0.00	0.12	0.06	0.00	0.00	0.00	0.00
PWOPRSES0001732	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001733	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001744	1.00	0.00	0.00	0.00	0.02	0.01	0.00	0.97	0.00	0.00
PWOPRSES0001745	1.16	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001747	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001748	1.00	0.00	0.00	0.00	0.01	0.02	0.00	0.96	0.03	0.00
PWOPRSES0001750	1.00	0.00	0.00	0.00	0.05	0.06	0.00	0.89	0.00	0.00
PWOPRSES0001753	1.00	0.00	0.82	0.00	0.05	0.13	0.00	0.00	0.90	0.00
PWOPRSES0001754	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001755	1.00	0.00	0.00	0.00	0.02	0.07	0.00	0.91	0.00	0.00
PWOPRSES0001756	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001757	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.99	0.00	0.00
PWOPRSES0001758	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001759	1.00	0.00	0.00	0.00	0.01	0.08	0.00	0.90	0.00	0.00
PWOPRSES0001760	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001761	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001765A	1.00	0.00	0.82	0.00	0.17	0.00	0.00	0.00	0.99	0.00
PWOPRSES0001765B	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001766	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001768	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001770	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001771	1.20	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0001774	1.00	0.81	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001775	1.00	0.55	0.27	0.00	0.18	0.00	0.00	0.00	0.97	0.00
PWOPRSES0001776	1.00	0.00	0.00	0.00	0.17	0.00	0.00	0.82	0.16	0.00
PWOPRSES0001777	1.00	0.00	0.00	0.00	0.02	0.06	0.00	0.92	0.01	0.00
PWOPRSES0001778	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001779	1.00	0.81	0.00	0.00	0.17	0.00	0.00	0.02	0.17	0.00
PWOPRSES0001780	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
PWOPRSES0001781	1.00	0.92	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001782	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001783	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001784	1.00	0.00	0.00	0.00	0.02	0.03	0.00	0.95	0.00	0.00
PWOPRSES0001785	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001786	2.09	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0001790	1.00	0.00	0.00	0.00	0.01	0.05	0.00	0.93	0.00	0.00
PWOPRSES0001791	1.00	0.00	0.82	0.00	0.10	0.07	0.00	0.00	0.83	0.00
PWOPRSES0001797	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001798	1.00	0.81	0.00	0.00	0.01	0.01	0.00	0.18	0.00	0.00
PWOPRSES0001803	1.00	0.82	0.01	0.00	0.17	0.00	0.00	0.00	0.98	0.00
PWOPRSES0001806	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0001807	1.00	0.82	0.01	0.00	0.17	0.00	0.00	0.00	0.84	0.00
PWOPRSES0001808	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001809	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.99	0.00	0.00
PWOPRSES0001810	1.00	0.99	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001812	1.00	0.00	0.00	0.00	0.03	0.02	0.00	0.95	0.02	0.00
PWOPRSES0001819	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.01	0.00

PWOPRSES0001821	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001822	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001823	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.99	0.00	0.00
PWOPRSES0001824	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001825	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
PWOPRSES0001826	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001827	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.99	0.00	0.00
PWOPRSES0001828	1.00	0.00	0.82	0.00	0.18	0.00	0.00	0.00	0.84	0.00
PWOPRSES0001829	1.00	0.55	0.28	0.00	0.18	0.00	0.00	0.00	0.99	0.00
PWOPRSES0001840	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001841	1.25	0.81	0.01	0.00	0.17	0.00	0.00	0.00	0.98	0.00
PWOPRSES0001842	1.36	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.17	0.00
PWOPRSES0001844	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0001845	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001855	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001856	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001861	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001862	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.01	0.00
PWOPRSES0001865	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001866	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001868	1.00	0.00	0.82	0.00	0.17	0.00	0.00	0.00	0.93	0.00
PWOPRSES0001890	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001891	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001892	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001895	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001896	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001897	1.00	0.00	0.82	0.00	0.02	0.15	0.00	0.00	0.94	0.00
PWOPRSES0001899	1.04	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
PWOPRSES0001900	1.00	0.01	0.00	0.00	0.84	0.15	0.00	0.00	0.98	0.00
PWOPRSES0001904	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.01	0.00
PWOPRSES0001905	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001906	1.00	0.00	0.00	0.00	0.03	0.00	0.00	0.97	0.02	0.00
PWOPRSES0001919	1.00	0.97	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001930	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001931	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001932	1.00	0.99	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001941	1.00	0.00	0.00	0.00	0.00	0.03	0.00	0.97	0.02	0.00
PWOPRSES0001942	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001943	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001944	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001951	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001952	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001960	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001961	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0001962	1.00	0.00	0.00	0.00	0.04	0.00	0.00	0.95	0.02	0.00
PWOPRSES0001963	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.01	0.00
PWOPRSES0001968	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001972	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.01	0.00
PWOPRSES0001976	1.00	0.00	0.00	0.00	0.11	0.00	0.00	0.88	0.00	0.00
PWOPRSES0001977	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001978	1.00	0.00	0.80	0.00	0.19	0.00	0.00	0.00	0.95	0.00
PWOPRSES0001979	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001984	1.00	0.00	0.81	0.00	0.19	0.00	0.00	0.00	0.97	0.00
PWOPRSES0002119	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0002120	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0002121	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
PWOPRSES0002122	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00

PWOPRSES0003435	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.00	0.00
PWOPRSES0003436	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0003439	1.00	0.97	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0003446	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0003447	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0003448	1.27	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0003449	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0003457	1.00	0.00	0.83	0.00	0.10	0.07	0.00	0.00	0.94	0.00
PWOPRSES0003465	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0003466	1.00	0.00	0.00	0.00	0.01	0.01	0.00	0.97	0.00	0.00
PWOPRSES0004584	1.04	0.00	0.00	0.00	0.82	0.17	0.00	0.00	0.00	0.00
PWOPRSES0004585	1.00	0.00	0.82	0.00	0.02	0.15	0.00	0.00	1.00	0.00
PWOPRSES0004586	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0004587	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0004588	1.00	0.00	0.83	0.00	0.10	0.07	0.00	0.00	0.83	0.00
PWOPRSES0004589	1.00	0.00	0.82	0.00	0.07	0.10	0.00	0.00	0.99	0.00
PWOPRSES0004590	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0004591	1.00	0.83	0.00	0.00	0.17	0.00	0.00	0.00	0.17	0.00
PWOPRSES0004592	1.00	0.83	0.00	0.00	0.08	0.00	0.00	0.09	0.00	0.00
PWOPRSES0004593	2.35	0.00	0.00	0.00	0.01	0.01	0.00	0.98	0.00	0.00
PWOPRSES0004594	1.00	0.00	0.82	0.00	0.17	0.00	0.00	0.00	1.00	0.00
PWOPRSES0004597	1.00	0.99	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0004603	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0004637	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005529	1.00	0.00	0.00	0.00	0.09	0.01	0.00	0.90	0.09	0.00
PWOPRSES0005530	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005531	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005532	1.00	0.00	0.82	0.00	0.18	0.00	0.00	0.00	1.00	0.00
PWOPRSES0005534	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
PWOPRSES0005535	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005536	1.15	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005537	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.01	0.00
PWOPRSES0005539	1.00	0.06	0.00	0.00	0.00	0.01	0.00	0.93	0.00	0.00
PWOPRSES0005540	1.42	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005541	1.00	0.00	0.00	0.00	0.91	0.09	0.00	0.00	0.00	0.00
PWOPRSES0005710	1.00	0.69	0.13	0.00	0.16	0.01	0.00	0.00	0.96	0.00
PWOPRSES0005734	1.00	0.00	0.00	0.00	0.10	0.00	0.00	0.90	0.10	0.00
PWOPRSES0005735	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005736	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
PWOPRSES0005739	1.00	0.00	0.83	0.00	0.07	0.10	0.00	0.00	1.00	0.00
PWOPRSES0005744	1.00	0.00	0.83	0.00	0.14	0.03	0.00	0.00	0.99	0.00
PWOPRSES0005766	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005767	1.00	0.00	0.00	0.00	0.00	0.07	0.00	0.93	0.00	0.00
PWOPRSES0005768	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005769	1.00	0.00	0.82	0.00	0.17	0.01	0.00	0.00	0.99	0.00
PWOPRSES0005770	1.00	0.00	0.83	0.00	0.09	0.08	0.00	0.00	0.00	0.00
PWOPRSES0005771	1.48	0.00	0.00	0.00	0.02	0.04	0.00	0.94	0.01	0.00
PWOPRSES0006537	1.00	0.00	0.83	0.00	0.17	0.00	0.00	0.00	1.00	0.00
PWOPRSES0006538	1.00	0.98	0.00	0.00	0.02	0.00	0.00	0.00	0.92	0.00
PWOPRSES0006542	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0006547	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0006548	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0006549	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
PWOPRSES0006550	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0006551	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0006552	1.00	0.00	0.00	0.00	0.03	0.06	0.00	0.91	0.00	0.00
PWOPRSES0006553	1.00	0.46	0.36	0.00	0.19	0.00	0.00	0.00	0.98	0.00

PWOPRSES0006554	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.00	0.00
PWOPRSES0006555	1.00	0.00	0.00	0.00	0.02	0.01	0.00	0.97	0.03	0.00
PWOPRSES0006576	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0006577	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
STMEasement	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.15	0.00
SWMPOND_OUT	1.00	0.00	0.81	0.00	0.17	0.01	0.00	0.00	0.97	0.00

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Conduit Surcharge Summary
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Conduit	Hours Full Both Ends	Hours Full Upstream	Hours Full Dnstream	Hours Above Full Normal Flow	Hours Capacity Limited
16	0.01	0.01	0.14	0.01	0.01
18	0.01	0.01	0.51	0.01	0.01
20	0.01	0.01	1.01	0.01	0.01
21	1.01	1.01	1.17	0.53	0.01
22	1.15	1.17	1.44	0.95	0.01
23	0.01	1.42	0.01	2.34	0.01
35	0.01	0.01	1.01	0.01	0.01
41	0.01	0.01	1.30	0.01	0.01
47	0.01	0.51	0.01	0.52	0.01
7	0.01	0.01	0.14	0.01	0.01
70	0.01	1.30	0.01	2.85	0.01
9	0.01	0.01	0.51	0.01	0.01
PWOPRSES0001543	0.01	0.01	1.01	0.01	0.01
PWOPRSES0001575	0.01	0.01	0.55	0.01	0.01

Analysis begun on: Fri Jan 14 14:32:42 2022
Analysis ended on: Fri Jan 14 14:33:27 2022
Total elapsed time: 00:00:45

```
EPA STORM WATER MANAGEMENT MODEL - VERSION 5.1 (Build 5.1.013)
--------------------------------------------------------------

Replacement of Forests with Stormwater functions

WARNING 03: negative offset ignored for Link 1
WARNING 03: negative offset ignored for Link 1
WARNING 03: negative offset ignored for Link 10
WARNING 03: negative offset ignored for Link 10
WARNING 03: negative offset ignored for Link 11
WARNING 03: negative offset ignored for Link 11
WARNING 03: negative offset ignored for Link 12
WARNING 03: negative offset ignored for Link 12
WARNING 03: negative offset ignored for Link 13
WARNING 03: negative offset ignored for Link 13
WARNING 03: negative offset ignored for Link 14
WARNING 03: negative offset ignored for Link 14
WARNING 03: negative offset ignored for Link 15
WARNING 03: negative offset ignored for Link 15
WARNING 03: negative offset ignored for Link 17
WARNING 03: negative offset ignored for Link 17
WARNING 03: negative offset ignored for Link 18
WARNING 03: negative offset ignored for Link 18
WARNING 03: negative offset ignored for Link 19
WARNING 03: negative offset ignored for Link 19
WARNING 03: negative offset ignored for Link 2
WARNING 03: negative offset ignored for Link 2
WARNING 03: negative offset ignored for Link 20
WARNING 03: negative offset ignored for Link 20
WARNING 03: negative offset ignored for Link 21
WARNING 03: negative offset ignored for Link 21
WARNING 03: negative offset ignored for Link 22
WARNING 03: negative offset ignored for Link 22
WARNING 03: negative offset ignored for Link 23
WARNING 03: negative offset ignored for Link 23
WARNING 03: negative offset ignored for Link 24
WARNING 03: negative offset ignored for Link 24
WARNING 03: negative offset ignored for Link 25
WARNING 03: negative offset ignored for Link 25
WARNING 03: negative offset ignored for Link 26
WARNING 03: negative offset ignored for Link 26
WARNING 03: negative offset ignored for Link 27
WARNING 03: negative offset ignored for Link 27
WARNING 03: negative offset ignored for Link 28
WARNING 03: negative offset ignored for Link 28
WARNING 03: negative offset ignored for Link 29
WARNING 03: negative offset ignored for Link 29
WARNING 03: negative offset ignored for Link 3
WARNING 03: negative offset ignored for Link 3
WARNING 03: negative offset ignored for Link 30
WARNING 03: negative offset ignored for Link 30
WARNING 03: negative offset ignored for Link 31
WARNING 03: negative offset ignored for Link 31
WARNING 03: negative offset ignored for Link 32
WARNING 03: negative offset ignored for Link 32
WARNING 03: negative offset ignored for Link 33
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WARNING 03: negative offset ignored for Link 33
WARNING 03: negative offset ignored for Link 34
WARNING 03: negative offset ignored for Link 34
WARNING 03: negative offset ignored for Link 35
WARNING 03: negative offset ignored for Link 35
WARNING 03: negative offset ignored for Link 36
WARNING 03: negative offset ignored for Link 37
WARNING 03: negative offset ignored for Link 37
WARNING 03: negative offset ignored for Link 38
WARNING 03: negative offset ignored for Link 38
WARNING 03: negative offset ignored for Link 39
WARNING 03: negative offset ignored for Link 39
WARNING 03: negative offset ignored for Link 4
WARNING 03: negative offset ignored for Link 4
WARNING 03: negative offset ignored for Link 40
WARNING 03: negative offset ignored for Link 40
WARNING 03: negative offset ignored for Link 41
WARNING 03: negative offset ignored for Link 41
WARNING 03: negative offset ignored for Link 44
WARNING 03: negative offset ignored for Link 44
WARNING 03: negative offset ignored for Link 45
WARNING 03: negative offset ignored for Link 46
WARNING 03: negative offset ignored for Link 47
WARNING 03: negative offset ignored for Link 5
WARNING 03: negative offset ignored for Link 5
WARNING 03: negative offset ignored for Link 51
WARNING 03: negative offset ignored for Link 6
WARNING 03: negative offset ignored for Link 6
WARNING 03: negative offset ignored for Link 7
WARNING 03: negative offset ignored for Link 7
WARNING 03: negative offset ignored for Link 8
WARNING 03: negative offset ignored for Link 8
WARNING 03: negative offset ignored for Link 9
WARNING 03: negative offset ignored for Link 9
WARNING 03: negative offset ignored for Link PWOPRSES0001978
WARNING 03: negative offset ignored for Link OUT_A3.3FRST
WARNING 02: maximum depth increased for Node 11
WARNING 02: maximum depth increased for Node 13
WARNING 02: maximum depth increased for Node 22
WARNING 02: maximum depth increased for Node 24
WARNING 02: maximum depth increased for Node 36
WARNING 02: maximum depth increased for Node 8
WARNING 02: maximum depth increased for Node 9
WARNING 02: maximum depth increased for Node PWOPRMHS0001401
WARNING 02: maximum depth increased for Node PWOPRMHS0001402
WARNING 02: maximum depth increased for Node PWOPRMHS0001602
WARNING 02: maximum depth increased for Node PWOPRMHS0001611
WARNING 02: maximum depth increased for Node PWOPRMHS0001662
WARNING 02: maximum depth increased for Node PWOPRMHS0001670
WARNING 02: maximum depth increased for Node PWOPRMHS0001688
WARNING 02: maximum depth increased for Node PWOPRMHS0004129
WARNING 02: maximum depth increased for Node PWOPRMHS0004130
WARNING 02: maximum depth increased for Node PWOPRMHS0004141
WARNING 02: maximum depth increased for Node PWOPRMHS0005230
WARNING 02: maximum depth increased for Node PWOPRMHS0005930
WARNING 02: maximum depth increased for Node PWOPRMHS0005931
WARNING 02: maximum depth increased for Node PWOPRMHS0005945
```

```
WARNING 02: maximum depth increased for Node SWMPOND

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

****************
Analysis Options
****************
Flow Units ............... CMS
Process Models:
  Rainfall/Runoff ........ YES
  RDII ................... NO
  Snowmelt ............... NO
  Groundwater ............ NO
  Flow Routing ........... YES
  Ponding Allowed ........ NO
  Water Quality .......... NO
Infiltration Method ...... GREEN_AMPT
Flow Routing Method ...... DYNWAVE
Surcharge Method ......... EXTRAN
Starting Date ............ 09/01/2021 00:00:00
Ending Date .............. 09/04/2021 00:00:00
Antecedent Dry Days ...... 0.0
Report Time Step ......... 00:15:00
Wet Time Step ............ 00:15:00
Dry Time Step ............ 00:15:00
Routing Time Step ........ 5.00 sec
Variable Time Step ....... YES
Maximum Trials ........... 8
Number of Threads ........ 4
Head Tolerance ........... 0.001500 m


**************************        Volume         Depth
Runoff Quantity Continuity     hectare-m            mm
**************************     ---------       -------
Initial LID Storage ......         4.987         2.934
Total Precipitation ......       166.278        97.810
Outfall Runon ............      1098.782       646.338
Evaporation Loss .........         2.142         1.260
Infiltration Loss ........        94.459        55.564
Surface Runoff ...........      1165.699       685.700
Final Storage ............         8.913         5.243
Continuity Error (%) .....        -0.092


**************************        Volume        Volume
Flow Routing Continuity        hectare-m      10^6 ltr
**************************     ---------     ---------
Dry Weather Inflow .......         0.000         0.000
Wet Weather Inflow .......      1165.692     11657.040
Groundwater Inflow .......         0.000         0.000
RDII Inflow ..............         0.000         0.000
External Inflow ..........         0.000         0.000
```

```
External Outflow .........      1165.620     11656.326
Flooding Loss ............         0.000         0.000
Evaporation Loss .........         0.017         0.171
Exfiltration Loss ........         0.000         0.000
Initial Stored Volume ....         0.000         0.001
Final Stored Volume ......         0.011         0.111
Continuity Error (%) .....         0.004


*************************
Highest Continuity Errors
*************************
Node PWOPRMHS0001611 (1.77%)
Node PWOPRMHS0001642 (1.23%)


***************************
Time-Step Critical Elements
***************************
Link 65 (68.52%)
Link PWOPRSES0001824 (1.17%)


********************************
Highest Flow Instability Indexes
********************************
Link 44 (27)
Link 65 (6)
Link 45 (5)
Link 23 (5)
Link 66 (5)


*************************
Routing Time Step Summary
*************************
Minimum Time Step           :     1.09 sec
Average Time Step           :     2.41 sec
Maximum Time Step           :     5.00 sec
Percent in Steady State     :    -0.00
Average Iterations per Step :     2.05
Percent Not Converging      :     0.07


***************************
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
A1	97.81	38.05	0.75	72.42	6.70	56.45	63.14	5.29	1.00	0.465
A1.1	97.81	0.00	1.15	32.29	29.73	35.05	64.78	27.73	4.78	0.662
A1.1_FRST	97.81	0.00	1.38	54.87	28.09	27.89	34.47	1.25	0.29	0.352
A2	97.81	53.30	0.82	78.30	7.46	64.91	72.37	8.32	1.35	0.479

A2.1	97.81	0.00	0.82	50.40	19.18	28.11	47.29	6.10	1.29	0.483
A2.1_FRST	97.81	0.00	1.06	68.60	18.24	22.70	22.05	0.72	0.35	0.225
A2.2	97.81	0.00	1.10	36.66	32.60	28.05	60.66	5.12	0.93	0.620
A2.2_FRST	97.81	0.00	1.51	70.97	29.67	18.75	13.67	0.30	0.25	0.140
A3	97.81	204.29	1.09	115.41	15.01	170.90	185.91	105.55	7.52	0.615
A3.1	97.81	0.00	1.03	36.41	21.10	39.73	60.83	3.92	0.71	0.622
A3.1_FRST	97.81	0.00	1.12	69.20	19.94	21.73	20.55	2.71	1.19	0.210
A3.2	97.81	0.00	1.13	35.73	34.52	26.96	61.48	19.87	3.53	0.629
A3.2_FRST	97.81	0.00	1.54	67.94	31.54	18.91	16.96	1.26	0.74	0.173
A3.3	97.81	0.00	1.07	36.43	22.06	38.66	60.72	42.64	7.58	0.621
A3.3_FRST	97.81	0.00	1.19	73.23	20.61	19.41	14.87	2.55	2.02	0.152
A4	97.81	1997.26	2.13	167.04	104.63	1822.21	1926.84	1936.81	69.90	0.920
A4.1	97.81	0.00	0.96	36.48	19.18	41.76	60.94	0.63	0.12	0.623
A4.1_FRST	97.81	0.00	1.10	62.53	18.21	29.87	28.49	1.57	0.67	0.291
A4.2	97.81	0.00	1.12	33.19	27.81	36.12	63.93	6.27	1.10	0.654
A4.2_FRST	97.81	0.00	1.35	63.86	25.95	24.00	24.02	3.88	1.74	0.246
A4.3	97.81	0.00	1.47	21.43	58.51	16.93	75.44	35.43	5.47	0.771
A4.3_FRST	97.81	0.00	2.17	74.01	49.84	9.15	1.85	0.15	0.04	0.019
A4.4_FRST	97.81	0.00	1.29	78.95	23.72	14.91	6.55	1.22	0.58	0.067
A4.5	97.81	0.00	1.12	33.15	27.81	36.14	63.95	69.58	12.11	0.654
A4.5_FRST	97.81	0.00	1.36	56.46	26.25	28.38	32.79	4.93	1.33	0.335
A4.6	97.81	0.00	1.29	31.42	49.88	15.80	65.68	97.84	16.39	0.671
A4.6_FRST	97.81	0.00	1.99	76.09	43.04	11.05	1.35	0.82	0.43	0.014
B1	97.81	30.58	0.99	49.12	6.32	72.51	78.84	2.43	0.49	0.614
B1.1	97.81	0.00	0.98	36.86	19.18	41.34	60.52	0.60	0.11	0.619
B1.1_FRST	97.81	0.00	1.24	50.02	18.35	39.58	41.14	1.52	0.37	0.421
B2	97.81	866.59	1.08	54.62	48.12	866.67	914.80	26.64	5.09	0.949
B2.1	97.81	0.00	0.87	41.35	10.55	45.60	56.15	3.64	0.71	0.574
B2.1_FRST	97.81	0.00	0.99	47.33	10.34	44.72	47.30	3.81	0.90	0.484
C1	97.81	3787.57	0.89	87.52	194.18	3619.27	3813.45	120.32	17.29	0.981
C1.1	97.81	0.00	1.49	21.44	58.53	16.82	75.35	92.91	14.32	0.770
C1.1_FRST	97.81	0.00	2.13	65.25	50.96	12.35	13.22	0.37	0.12	0.135
D1	97.81	480.34	0.97	90.39	28.81	459.89	488.70	64.29	8.63	0.845
D1.1	97.81	0.00	1.37	29.10	58.53	9.24	67.77	81.20	12.95	0.693
D1.1_FRST	97.81	0.00	2.20	69.14	50.26	11.87	7.53	2.28	1.36	0.077
D2	97.81	0.00	0.85	67.34	4.79	25.01	29.80	5.24	0.70	0.305
D2.1	97.81	0.00	1.28	33.59	51.83	11.54	63.37	33.11	5.46	0.648
D2.1_FRST	97.81	0.00	2.05	72.98	44.85	11.86	4.74	0.90	0.34	0.048
D3	97.81	7189.87	1.43	135.03	364.29	6793.24	7157.53	401.68	21.51	0.982
D3.1	97.81	0.00	1.36	28.73	57.55	10.64	68.19	24.62	3.96	0.697
D4	97.81	5874.09	1.36	125.21	298.50	5552.10	5850.60	205.94	9.82	0.980
D4.1	97.81	0.00	1.28	32.84	50.86	13.30	64.16	15.02	2.50	0.656
D4.1_FRST	97.81	0.00	1.99	71.91	44.29	12.16	6.60	0.90	0.53	0.067
E1	97.81	186359.76	2.70	269.58	9322.68	176880.53	186203.21	5452.19	124.16	0.999
E1.1	97.81	0.00	0.85	50.94	22.05	24.56	46.61	8.39	1.75	0.477
E1.1_FRST	97.81	0.00	1.23	69.10	20.61	23.76	19.07	6.27	2.56	0.195
E2	97.81	328213.89	2.79	175.38	16415.24	311728.97	328144.21	2578.54	55.45	0.999
E2.1	97.81	0.00	0.98	37.78	18.22	41.29	59.51	5.52	1.02	0.608
E2.1_FRST	97.81	0.00	1.14	58.07	17.39	33.48	33.10	0.29	0.10	0.338
E3	97.81	0.00	0.53	77.59	4.80	15.11	19.90	2.79	0.58	0.203
E3.1	97.81	0.00	0.79	52.09	21.10	24.67	45.77	10.44	2.28	0.468
E3.1_FRST	97.81	0.00	1.12	61.13	20.06	28.69	29.73	3.88	1.30	0.304
HC01-01	97.81	0.00	0.89	46.77	27.52	23.50	51.03	3.17	0.64	0.522
HC01-02	97.81	0.00	0.84	48.82	23.78	25.37	49.15	1.12	0.23	0.503
HC01-03	97.81	0.00	0.84	48.94	23.79	25.15	48.94	0.59	0.12	0.500
HC01-04	97.81	0.00	0.75	53.53	18.60	25.77	44.38	1.11	0.25	0.454
HC01-05	97.81	0.00	0.84	48.75	23.79	25.50	49.28	1.23	0.26	0.504

HC01-06	97.81	0.00	0.84	48.94	23.79	25.15	48.94	0.65	0.14	0.500
HC01-07	97.81	0.00	0.87	49.62	23.78	24.19	47.98	0.34	0.07	0.491
HC01-08	97.81	0.00	0.84	48.87	23.78	25.29	49.07	0.26	0.05	0.502
HC01-09	97.81	0.00	0.86	49.23	23.78	24.70	48.48	0.32	0.07	0.496
HC01-10	97.81	0.00	0.84	48.95	23.78	25.14	48.92	0.56	0.12	0.500
HC01-11	97.81	0.00	0.86	49.20	23.78	24.73	48.51	0.67	0.14	0.496
HC01-12	97.81	0.00	0.91	44.41	23.78	29.71	53.49	1.66	0.33	0.547
HC02-01	97.81	0.00	1.06	40.49	35.77	21.24	57.01	0.21	0.04	0.583
HC02-02	97.81	0.00	1.28	30.59	48.34	18.20	66.54	1.44	0.24	0.680
HC02-03	97.81	0.00	1.15	35.64	41.43	20.33	61.76	0.12	0.02	0.631
HC02-04	97.81	0.00	0.92	44.90	28.00	25.29	53.30	0.22	0.04	0.545
HC02-05	97.81	0.00	0.70	54.85	14.20	29.19	43.39	1.28	0.30	0.444
HC02-06	97.81	0.00	0.73	54.81	14.58	28.65	43.23	0.77	0.18	0.442
HC02-07	97.81	0.00	0.68	57.50	12.28	28.11	40.39	0.32	0.07	0.413
HC02-08	97.81	0.00	0.63	58.24	11.13	28.74	39.87	0.50	0.12	0.408
HC02-09	97.81	0.00	0.70	57.13	13.04	27.62	40.66	0.35	0.08	0.416
HC02-10	97.81	0.00	0.67	58.03	11.89	28.01	39.90	0.38	0.09	0.408
HC02-11	97.81	0.00	0.70	56.59	13.04	28.34	41.38	0.62	0.15	0.423
HC02-12	97.81	0.00	0.67	58.96	11.89	26.87	38.76	0.83	0.19	0.396
HC02-13	97.81	0.00	0.65	58.81	11.12	27.97	39.09	0.33	0.08	0.400
HC02-14	97.81	0.00	0.64	58.19	11.51	28.31	39.82	0.37	0.09	0.407
HC02-15	97.81	0.00	0.67	56.46	12.66	29.10	41.76	0.67	0.16	0.427
HC02-16	97.81	0.00	0.56	63.10	13.43	21.63	35.06	0.18	0.05	0.358
HC02-17	97.81	0.00	0.74	51.73	12.66	33.54	46.20	1.09	0.24	0.472
HC02-18	97.81	0.00	0.56	62.90	13.43	21.88	35.31	1.35	0.35	0.361
HC02-19	97.81	0.00	0.61	65.97	13.81	17.77	31.58	0.48	0.11	0.323
HC02-20	97.81	0.00	1.01	41.05	33.76	23.27	57.03	0.25	0.05	0.583
HC02-21	97.81	0.00	0.71	56.24	13.81	27.84	41.65	1.46	0.34	0.426
HC02-22	97.81	0.00	0.71	56.24	13.81	27.84	41.65	1.24	0.29	0.426
HC02-23	97.81	0.00	1.14	35.69	41.04	20.85	61.89	0.25	0.04	0.633
HC02-24	97.81	0.00	1.37	24.37	56.01	17.02	73.04	0.05	0.01	0.747
HC02-25	97.81	0.00	1.18	33.23	44.02	20.60	64.62	0.73	0.13	0.661
HC02-26	97.81	0.00	1.31	27.11	52.56	17.99	70.55	0.24	0.04	0.721
HC02-27	97.81	0.00	0.62	59.51	17.26	21.44	38.70	0.29	0.07	0.396
HC02-28	97.81	0.00	0.62	59.79	17.26	21.06	38.33	0.22	0.05	0.392
HC02-29	97.81	0.00	1.00	43.35	38.36	15.70	54.05	0.29	0.05	0.553
HC02-30	97.81	0.00	0.35	76.76	1.15	20.03	21.18	0.31	0.10	0.217
HC02-31	97.81	0.00	0.58	61.82	14.58	21.59	36.17	0.88	0.22	0.370
HC02-32	97.81	0.00	0.56	62.42	13.81	21.98	35.79	0.77	0.20	0.366
HC02-33	97.81	0.00	0.60	62.90	14.58	20.28	34.86	0.29	0.07	0.356
HC02-34	97.81	0.00	0.76	53.05	24.94	20.07	45.01	0.14	0.03	0.460
HC02-35	97.81	0.00	0.33	74.69	1.53	21.91	23.45	0.23	0.08	0.240
HC02-36	97.81	0.00	0.37	69.17	5.37	24.30	29.68	0.13	0.04	0.303
HC02-37	97.81	0.00	0.39	69.92	4.99	23.55	28.54	0.29	0.09	0.292
HC02-38	97.81	0.00	0.70	57.19	13.04	27.55	40.59	1.26	0.29	0.415
HC02-39	97.81	0.00	0.68	61.03	11.12	25.39	36.51	0.32	0.07	0.373
HC03-01	97.81	0.00	1.00	40.95	30.69	25.99	56.67	1.27	0.24	0.579
HC03-02	97.81	0.00	0.71	54.50	14.58	29.24	43.82	0.35	0.08	0.448
HC03-03	97.81	0.00	0.76	51.74	18.03	29.28	47.31	0.06	0.01	0.484
HC03-04	97.81	0.00	0.76	52.28	18.03	27.80	45.83	0.47	0.10	0.469
HC03-05	97.81	0.00	1.04	39.61	35.29	23.21	58.50	0.19	0.04	0.598
HC03-06	97.81	0.00	0.68	55.92	13.24	29.16	42.40	2.19	0.52	0.433
HC03-07	97.81	0.00	0.73	54.78	14.58	28.71	43.28	0.78	0.18	0.443
HC03-08	97.81	0.00	0.56	62.21	14.87	21.09	35.96	1.57	0.40	0.368
HC03-09	97.81	0.00	0.70	57.29	22.34	18.08	40.42	0.78	0.18	0.413
HC03-10	97.81	0.00	0.50	65.23	11.51	21.44	32.95	0.56	0.15	0.337
HC03-11	97.81	0.00	0.58	61.81	15.82	20.43	36.26	0.91	0.23	0.371

HC03-12	97.81	0.00	0.58	64.88	13.43	19.40	32.83	0.39	0.10	0.336
HC03-13	97.81	0.00	0.64	59.06	18.03	20.87	38.90	0.15	0.04	0.398
HC03-14	97.81	0.00	1.35	27.15	56.00	14.08	70.08	0.09	0.01	0.717
HC03-15	97.81	0.00	0.55	63.56	13.04	21.40	34.44	0.21	0.06	0.352
HC03-16	97.81	0.00	0.68	57.55	20.33	19.94	40.27	0.12	0.03	0.412
HC03-17	97.81	0.00	1.03	39.56	35.29	23.37	58.66	0.07	0.01	0.600
HC03-18	97.81	0.00	1.47	21.13	61.37	14.65	76.02	0.08	0.01	0.777
HC03-19	97.81	0.00	0.58	60.05	8.06	30.72	38.78	3.06	0.77	0.396
HC03-20	97.81	0.00	0.52	65.52	2.30	30.25	32.55	0.49	0.14	0.333
HC04-01	97.81	0.00	0.81	49.94	17.26	30.44	47.71	1.71	0.36	0.488
HC04-02	97.81	0.00	0.53	64.18	13.33	20.58	33.91	0.22	0.06	0.347
HC04-03	97.81	0.00	0.55	63.64	14.29	19.98	34.27	0.41	0.11	0.350
HC04-04	97.81	0.00	0.84	50.26	17.26	30.05	47.31	2.50	0.52	0.484
HC04-05	97.81	0.00	0.61	60.61	16.88	20.59	37.47	0.23	0.06	0.383
HC04-06	97.81	0.00	0.61	61.58	16.88	19.33	36.21	0.39	0.09	0.370
HC04-07	97.81	0.00	0.98	44.12	36.82	16.49	53.32	0.05	0.01	0.545
HC04-08	97.81	0.00	0.56	63.06	14.86	19.96	34.82	0.12	0.03	0.356
HC04-09	97.81	0.00	0.61	61.26	16.88	19.68	36.56	0.19	0.05	0.374
HC04-10	97.81	0.00	0.63	61.68	16.88	19.20	36.08	0.22	0.05	0.369
HC04-11	97.81	0.00	0.58	62.19	16.02	19.83	35.85	0.33	0.08	0.366
HC04-12	97.81	0.00	0.53	64.75	12.66	20.49	33.15	0.73	0.19	0.339
HC04-13	97.81	0.00	0.60	62.22	14.58	21.09	35.67	0.11	0.03	0.365
HC04-14	97.81	0.00	0.73	57.66	13.43	26.55	39.97	1.12	0.25	0.409
HC04-15	97.81	0.00	0.70	56.47	13.43	28.02	41.45	1.62	0.38	0.424
HC04-16	97.81	0.00	0.73	54.95	14.58	28.44	43.02	0.20	0.05	0.440
HC04-17	97.81	0.00	0.73	53.73	16.88	27.40	44.28	1.00	0.23	0.453
HC04-18	97.81	0.00	0.81	52.08	20.23	25.36	45.60	0.12	0.03	0.466
HC04-19	97.81	0.00	0.64	58.06	11.51	28.48	39.99	0.52	0.13	0.409
HC04-20	97.81	0.00	0.64	57.73	11.51	29.00	40.51	0.23	0.06	0.414
HC04-21	97.81	0.00	0.73	53.68	16.50	28.06	44.56	0.07	0.02	0.456
HC04-22	97.81	0.00	0.76	52.60	18.41	26.99	45.41	0.10	0.02	0.464
HC04-23	97.81	0.00	0.72	53.55	16.88	28.20	45.09	0.25	0.06	0.461
HC04-24	97.81	0.00	0.68	55.36	13.81	29.32	43.13	0.06	0.01	0.441
HC04-25	97.81	0.00	0.75	51.31	13.04	33.64	46.69	0.36	0.08	0.477
HC04-26	97.81	0.00	0.58	68.31	12.27	16.96	29.23	0.22	0.05	0.299
HC04-27	97.81	0.00	0.62	58.81	10.36	28.93	39.29	0.14	0.03	0.402
HC04-28	97.81	0.00	0.58	62.17	14.58	21.17	35.75	0.26	0.07	0.366
HC04-29	97.81	0.00	0.75	51.49	13.04	33.40	46.44	1.68	0.37	0.475
HC04-30	97.81	0.00	0.75	51.13	13.43	33.40	46.83	0.91	0.20	0.479
HC04-31	97.81	0.00	0.79	52.32	26.85	18.51	45.36	0.22	0.05	0.464
HC04-32	97.81	0.00	0.60	62.51	14.58	20.77	35.35	0.12	0.03	0.361
HC04-33	97.81	0.00	0.55	63.76	13.04	21.15	34.20	0.39	0.10	0.350
HC04-34	97.81	0.00	0.40	70.75	5.37	21.97	27.35	0.42	0.13	0.280
HC04-35	97.81	0.00	0.55	64.11	13.04	20.75	33.79	0.17	0.04	0.346
HC04-36	97.81	0.00	1.02	38.92	31.17	27.67	58.84	1.72	0.32	0.602
HC05-01	97.81	0.00	0.70	52.46	11.51	34.34	45.85	2.75	0.62	0.469
HC05-02	97.81	0.00	0.73	52.43	11.89	33.82	45.71	1.48	0.33	0.467
HC05-03	97.81	0.00	1.61	14.53	72.89	9.41	82.30	0.09	0.01	0.841
HC05-04	97.81	0.00	0.49	66.13	10.74	21.18	31.92	0.16	0.04	0.326
HC05-05	97.81	0.00	0.60	62.97	14.38	20.38	34.77	0.32	0.08	0.355
HC05-06	97.81	0.00	0.60	61.13	16.11	20.83	36.94	0.16	0.04	0.378
HC05-07	97.81	0.00	0.53	64.29	12.66	21.02	33.68	0.25	0.06	0.344
HC05-08	97.81	0.00	0.55	64.13	13.04	20.73	33.77	0.74	0.19	0.345
HC05-09	97.81	0.00	0.56	66.55	12.66	18.45	31.11	0.08	0.02	0.318
HC05-10	97.81	0.00	0.62	59.66	16.88	21.77	38.65	0.14	0.03	0.395
HC05-11	97.81	0.00	0.39	70.14	4.99	23.28	28.27	0.90	0.27	0.289
HC06-01	97.81	0.00	0.73	54.89	14.58	28.54	43.11	0.14	0.03	0.441

HC06-02	97.81	0.00	0.72	56.09	14.19	27.41	41.60	0.27	0.06	0.425
HC06-03	97.81	0.00	0.51	70.86	0.00	26.83	26.83	0.40	0.10	0.274
HC06-04	97.81	0.00	0.49	68.47	0.38	29.05	29.43	0.33	0.09	0.301
HC06-05	97.81	0.00	0.65	58.40	10.36	29.28	39.64	0.14	0.03	0.405
HC06-06	97.81	0.00	0.66	56.81	12.28	29.07	41.35	0.65	0.16	0.423
HC06-07	97.81	0.00	0.71	52.25	10.74	35.41	46.16	0.18	0.04	0.472
HC06-08	97.81	0.00	0.68	55.50	13.81	29.01	42.82	1.78	0.42	0.438
HC06-09	97.81	0.00	0.66	56.26	12.47	29.81	42.28	1.10	0.26	0.432
HC06-10	97.81	0.00	0.66	56.66	12.28	29.34	41.61	1.00	0.24	0.425
HC06-11	97.81	0.00	0.80	48.13	16.88	33.11	49.99	0.11	0.02	0.511
HC06-12	97.81	0.00	0.91	43.86	23.78	30.31	54.10	0.11	0.02	0.553
HC06-13	97.81	0.00	1.20	32.90	49.10	15.62	64.72	0.18	0.03	0.662
HC06-14	97.81	0.00	0.80	51.69	22.06	24.03	46.09	0.83	0.18	0.471
HC06-15	97.81	0.00	1.72	10.39	76.72	9.23	85.94	0.10	0.01	0.879
HC06-16	97.81	0.00	1.52	18.56	64.25	13.96	78.21	0.22	0.03	0.800
HC06-17	97.81	0.00	0.77	53.32	21.10	23.29	44.38	0.68	0.15	0.454
HC06-18	97.81	0.00	1.30	29.97	53.13	14.08	67.21	1.79	0.29	0.687
HC06-19	97.81	0.00	1.70	10.34	76.72	9.28	86.00	0.03	0.00	0.879
HC06-20	97.81	0.00	1.72	10.38	76.71	9.23	85.94	0.18	0.03	0.879
HC06-21	97.81	0.00	1.58	20.45	64.34	11.92	76.26	0.97	0.15	0.780
HC06-22	97.81	0.00	1.70	10.35	76.73	9.27	86.00	0.05	0.01	0.879
HC06-23	97.81	0.00	1.60	17.60	67.18	11.93	79.11	1.19	0.18	0.809
HC06-24	97.81	0.00	1.71	10.36	76.72	9.25	85.97	0.10	0.01	0.879
HC06-25	97.81	0.00	0.80	48.07	16.88	33.21	50.09	1.68	0.35	0.512
HC06-26	97.81	0.00	0.75	55.20	24.55	17.87	42.42	1.12	0.24	0.434
HC06-27	97.81	0.00	1.63	14.58	72.88	9.38	82.25	0.13	0.02	0.841
HC06-28	97.81	0.00	1.77	10.47	76.78	9.15	85.93	0.17	0.02	0.879
HC06-29	97.81	0.00	0.67	56.48	7.67	33.76	41.43	0.51	0.12	0.424
HC06-30	97.81	0.00	1.25	29.74	46.03	21.49	67.52	0.22	0.04	0.690
HC06-31	97.81	0.00	0.30	73.67	1.54	23.24	24.77	0.45	0.15	0.253
HC06-32	97.81	0.00	0.41	72.10	4.99	20.84	25.83	0.35	0.10	0.264
HC07-01	97.81	0.00	0.64	62.92	16.49	18.20	34.69	1.05	0.24	0.355
HC07-02	97.81	0.00	0.63	60.58	18.03	19.17	37.19	0.43	0.10	0.380
HC07-03	97.81	0.00	0.58	61.85	14.58	21.76	36.34	0.13	0.03	0.372
HC07-04	97.81	0.00	0.53	65.70	11.12	21.09	32.21	0.11	0.03	0.329
HC07-05	97.81	0.00	0.62	65.94	14.58	17.03	31.60	0.09	0.02	0.323
HC07-06	97.81	0.00	0.58	65.44	13.43	18.82	32.24	0.66	0.16	0.330
HC07-07	97.81	0.00	0.55	64.22	13.43	20.23	33.65	0.13	0.03	0.344
HC07-08	97.81	0.00	1.36	31.91	55.31	9.64	64.95	0.12	0.02	0.664
HC07-09	97.81	0.00	0.57	61.35	16.88	19.90	36.78	0.09	0.02	0.376
HC08-01	97.81	0.00	0.80	49.49	16.50	31.81	48.31	0.33	0.07	0.494
HC08-02	97.81	0.00	0.85	48.46	18.03	31.12	49.15	1.14	0.24	0.502
HC08-03	97.81	0.00	0.60	63.15	14.58	20.00	34.57	0.69	0.17	0.353
HC08-04	97.81	0.00	0.74	54.35	11.12	32.20	43.33	0.30	0.07	0.443
HC08-05	97.81	0.00	0.79	49.54	14.58	33.72	48.30	0.31	0.07	0.494
HC08-06	97.81	0.00	0.76	51.49	13.43	32.93	46.35	0.55	0.12	0.474
HC08-07	97.81	0.00	0.75	51.36	13.43	33.09	46.52	0.26	0.06	0.476
HC08-08	97.81	0.00	1.41	22.85	55.24	18.76	74.00	0.30	0.05	0.757
HC08-09	97.81	0.00	0.83	48.17	16.88	32.57	49.44	0.88	0.18	0.506
HC08-10	97.81	0.00	0.55	59.24	1.54	37.80	39.34	0.52	0.13	0.402
HC09-01	97.81	0.00	0.66	61.55	19.18	16.83	36.01	0.34	0.08	0.368
HC09-02	97.81	0.00	0.54	64.83	13.43	19.64	33.07	0.34	0.09	0.338
HC09-03	97.81	0.00	0.56	63.84	14.58	19.39	33.97	0.33	0.08	0.347
HC09-04	97.81	0.00	0.49	66.46	10.74	20.77	31.52	0.80	0.22	0.322
HC09-05	97.81	0.00	0.51	65.29	11.89	20.78	32.67	0.85	0.23	0.334
HC09-06	97.81	0.00	0.50	65.51	11.51	20.96	32.47	0.40	0.11	0.332
HC09-07	97.81	0.00	0.46	68.18	7.67	22.19	29.86	0.14	0.04	0.305

HC10-01	97.81	0.00	0.51	65.82	11.80	20.34	32.13	1.44	0.39	0.329
HC10-02	97.81	0.00	0.82	52.48	27.14	17.96	45.09	1.14	0.24	0.461
HC10-03	97.81	0.00	0.80	54.89	25.80	16.76	42.55	0.79	0.16	0.435
HC10-04	97.81	0.00	0.56	62.71	14.87	20.50	35.36	0.65	0.17	0.362
HC10-05	97.81	0.00	0.56	65.60	13.62	18.49	32.11	0.77	0.19	0.328
HC10-06	97.81	0.00	0.53	66.02	11.89	19.95	31.84	0.42	0.11	0.326
HC10-07	97.81	0.00	0.58	62.14	15.82	19.92	35.75	0.61	0.15	0.365
HC10-08	97.81	0.00	0.53	62.62	14.29	21.36	35.65	0.42	0.11	0.364
HC10-09	97.81	0.00	0.51	65.96	11.70	20.25	31.95	0.44	0.12	0.327
HC10-10	97.81	0.00	0.55	63.11	14.29	20.71	35.00	0.10	0.03	0.358
HC10-11	97.81	0.00	0.64	58.71	18.70	20.82	39.52	0.11	0.03	0.404
HC10-12	97.81	0.00	0.34	73.59	2.30	22.44	24.74	0.22	0.07	0.253
HC10-13	97.81	0.00	0.59	63.40	15.34	19.04	34.38	0.20	0.05	0.352
HC10-14	97.81	0.00	0.58	62.07	15.63	20.24	35.87	0.16	0.04	0.367
HC10-15	97.81	0.00	0.58	61.58	15.83	20.71	36.54	0.15	0.04	0.374

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LID Performance Summary
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Subcatchment	LID Control	Total Inflow mm	Evap Loss mm	Infil Loss mm	Surface Outflow mm	Drain Outflow mm	Initial Storage mm	Final Storage mm	Continuity Error %
A1.1_FRST	NA_LID	1116.29	6.86	344.53	627.15	0.00	175.36	313.73	-0.05
A2.1_FRST	NA_LID	936.91	6.86	340.23	451.93	0.00	175.36	313.44	-0.02
A2.2_FRST	NA_LID	635.38	6.86	339.43	151.74	0.00	175.36	313.38	-0.08
A3.1_FRST	NA_LID	861.11	6.86	340.20	376.49	0.00	175.36	313.44	-0.05
A3.2_FRST	NA_LID	681.07	6.86	340.19	196.15	0.00	175.36	313.44	-0.03
A3.3_FRST	NA_LID	710.06	6.81	338.41	227.54	0.00	175.36	313.30	-0.07
A4.1_FRST	NA_LID	1046.62	6.86	340.19	562.22	0.00	175.36	313.44	-0.06
A4.2_FRST	NA_LID	844.78	6.86	341.29	359.16	0.00	175.36	313.53	-0.07
A4.3_FRST	NA_LID	496.51	6.83	340.07	12.52	0.00	175.36	313.44	-0.15
A4.4_FRST	NA_LID	559.42	6.83	337.27	78.32	0.00	175.36	313.28	-0.13
A4.5_FRST	NA_LID	1074.90	6.86	344.05	586.52	0.00	175.36	313.73	-0.07
A4.6_FRST	NA_LID	492.84	6.83	338.67	9.82	0.00	175.36	313.35	-0.07
B1.1_FRST	NA_LID	1438.27	6.86	341.96	951.86	0.00	175.36	313.51	-0.03
B2.1_FRST	NA_LID	2872.28	6.86	343.81	2383.62	0.00	175.36	313.59	-0.01
C1.1_FRST	NA_LID	588.20	6.86	341.64	102.38	0.00	175.36	313.56	-0.12
D1.1_FRST	NA_LID	538.17	6.86	340.15	53.34	0.00	175.36	313.44	-0.04
D2.1_FRST	NA_LID	519.42	6.83	340.05	35.27	0.00	175.36	313.44	-0.12
D4.1_FRST	NA_LID	535.57	6.83	340.08	51.16	0.00	175.36	313.44	-0.08
E1.1_FRST	NA_LID	772.69	6.86	338.44	290.14	0.00	175.36	313.30	-0.07
E2.1_FRST	NA_LID	1206.15	6.86	340.25	721.31	0.00	175.36	313.44	-0.03
E3.1_FRST	NA_LID	1093.04	6.86	342.01	606.85	0.00	175.36	313.59	-0.07

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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

1	JUNCTION	0.04	0.65	333.29	0	05:15	0.65
11	JUNCTION	0.38	0.95	317.56	0	05:19	0.94
12	JUNCTION	0.39	1.01	316.51	0	05:20	0.99
13	JUNCTION	0.56	1.36	315.86	0	05:20	1.34
14	JUNCTION	0.05	0.62	331.72	0	05:15	0.62
15	JUNCTION	0.73	1.42	315.37	0	13:36	1.36
17	JUNCTION	0.42	0.73	312.73	0	16:55	0.73
18	JUNCTION	0.08	1.14	323.64	0	05:16	1.12
19	JUNCTION	0.03	0.51	324.01	0	05:18	0.51
2	JUNCTION	0.12	1.64	325.64	0	05:15	1.64
20	JUNCTION	0.07	0.67	330.77	0	05:16	0.67
21	JUNCTION	0.21	0.84	321.94	0	05:15	0.84
22	JUNCTION	0.09	1.05	322.55	0	05:17	1.03
24	JUNCTION	0.22	2.12	322.62	0	05:18	2.11
25	JUNCTION	0.10	1.50	322.61	0	05:17	1.49
26	JUNCTION	0.00	0.00	327.93	0	00:00	0.00
27	JUNCTION	0.07	0.98	327.48	0	05:15	0.98
28	JUNCTION	0.16	0.89	326.99	0	05:15	0.89
29	JUNCTION	0.08	0.58	324.47	0	05:28	0.58
3	JUNCTION	0.08	0.99	331.56	0	05:15	0.99
30	JUNCTION	0.17	0.67	321.17	0	05:20	0.66
31	JUNCTION	0.15	0.59	320.74	0	05:20	0.59
32	JUNCTION	0.17	0.67	319.67	0	05:20	0.66
34	JUNCTION	0.18	0.64	318.51	0	05:21	0.64
35	JUNCTION	0.18	0.66	318.16	0	05:22	0.65
36	JUNCTION	0.16	0.67	316.17	0	05:18	0.67
37	JUNCTION	0.04	0.63	324.73	0	05:16	0.63
39	JUNCTION	0.28	1.11	322.41	0	07:59	1.11
4	JUNCTION	0.01	0.16	325.16	0	05:08	0.16
40	JUNCTION	0.11	0.90	320.00	0	05:15	0.90
42	JUNCTION	0.07	0.72	322.82	0	05:18	0.72
48	JUNCTION	0.12	0.88	325.48	0	05:15	0.88
49	JUNCTION	0.21	0.90	322.50	0	07:45	0.90
5	JUNCTION	0.08	0.66	330.16	0	06:10	0.65
50	JUNCTION	0.22	0.76	318.86	0	06:31	0.76
53	JUNCTION	0.69	1.29	315.39	0	13:15	1.29
54	JUNCTION	0.61	1.05	314.97	0	16:47	1.05
56	JUNCTION	0.91	1.49	302.59	0	16:57	1.49
6	JUNCTION	0.09	0.84	329.84	0	05:16	0.84
7	JUNCTION	0.46	1.17	319.27	0	07:20	1.17
8	JUNCTION	0.29	2.40	323.37	0	05:15	2.40
9	JUNCTION	0.23	2.12	322.52	0	05:17	2.11
MHEasement1	JUNCTION	0.02	0.26	319.33	0	05:15	0.26
MHEasement2	JUNCTION	0.02	0.40	319.10	0	05:15	0.40
MHSchool	JUNCTION	0.03	0.47	329.02	0	05:15	0.47
MHSWM4	JUNCTION	0.04	0.64	319.89	0	05:15	0.64
PWOPRMHS0001369	JUNCTION	0.03	0.40	319.79	0	05:15	0.40
PWOPRMHS0001370	JUNCTION	0.01	0.22	319.49	0	05:15	0.22
PWOPRMHS0001371	JUNCTION	0.01	0.11	319.93	0	05:15	0.11
PWOPRMHS0001372	JUNCTION	0.00	0.00	320.15	0	00:00	0.00
PWOPRMHS0001373	JUNCTION	0.01	0.13	320.15	0	05:15	0.13
PWOPRMHS0001374	JUNCTION	0.01	0.20	319.89	0	05:15	0.20
PWOPRMHS0001375	JUNCTION	0.01	0.21	319.78	0	05:15	0.21
PWOPRMHS0001386	JUNCTION	0.05	0.49	319.10	0	05:15	0.48
PWOPRMHS0001387	JUNCTION	0.03	0.53	319.28	0	05:15	0.53
PWOPRMHS0001388	JUNCTION	0.03	0.46	319.39	0	05:15	0.46
PWOPRMHS0001389	JUNCTION	0.02	0.39	319.52	0	05:15	0.39

PWOPRMHS0001390	JUNCTION	0.01	0.15	317.64	0	05:15	0.15
PWOPRMHS0001391	JUNCTION	0.01	0.19	317.46	0	05:15	0.19
PWOPRMHS0001392	JUNCTION	0.01	0.10	318.28	0	05:15	0.10
PWOPRMHS0001393	JUNCTION	0.03	0.36	320.55	0	05:15	0.36
PWOPRMHS0001394	JUNCTION	0.01	0.20	317.06	0	05:16	0.20
PWOPRMHS0001395	JUNCTION	0.01	0.22	317.01	0	05:15	0.22
PWOPRMHS0001398	JUNCTION	0.01	0.22	317.49	0	05:15	0.22
PWOPRMHS0001399	JUNCTION	0.01	0.21	317.36	0	05:15	0.21
PWOPRMHS0001400	JUNCTION	0.01	0.21	317.20	0	05:15	0.21
PWOPRMHS0001401	JUNCTION	0.01	0.17	316.84	0	05:15	0.17
PWOPRMHS0001402	JUNCTION	0.02	0.26	316.76	0	05:15	0.26
PWOPRMHS0001403	JUNCTION	0.02	0.36	322.06	0	05:15	0.36
PWOPRMHS0001404	JUNCTION	0.02	0.30	320.84	0	05:15	0.30
PWOPRMHS0001408	JUNCTION	0.02	0.28	321.11	0	05:15	0.28
PWOPRMHS0001409	JUNCTION	0.01	0.12	327.93	0	05:15	0.12
PWOPRMHS0001410	JUNCTION	0.04	0.63	327.10	0	05:15	0.63
PWOPRMHS0001411	JUNCTION	0.01	0.20	327.67	0	05:15	0.20
PWOPRMHS0001412	JUNCTION	0.01	0.13	331.82	0	05:15	0.13
PWOPRMHS0001413	JUNCTION	0.02	0.26	332.00	0	05:15	0.26
PWOPRMHS0001415	JUNCTION	0.03	0.39	320.07	0	05:15	0.39
PWOPRMHS0001416	JUNCTION	0.04	0.78	319.77	0	05:15	0.78
PWOPRMHS0001418	JUNCTION	0.05	0.90	319.63	0	05:15	0.89
PWOPRMHS0001419	JUNCTION	0.01	0.17	320.16	0	05:15	0.17
PWOPRMHS0001420	JUNCTION	0.01	0.14	320.64	0	05:15	0.14
PWOPRMHS0001421	JUNCTION	0.01	0.14	321.08	0	05:15	0.14
PWOPRMHS0001422	JUNCTION	0.01	0.22	320.50	0	05:15	0.22
PWOPRMHS0001423	JUNCTION	0.01	0.19	320.62	0	05:15	0.19
PWOPRMHS0001424	JUNCTION	0.01	0.16	321.12	0	05:15	0.16
PWOPRMHS0001428	JUNCTION	0.00	0.00	323.21	0	00:00	0.00
PWOPRMHS0001429	JUNCTION	0.01	0.13	321.48	0	05:15	0.13
PWOPRMHS0001430	JUNCTION	0.00	0.00	321.23	0	00:00	0.00
PWOPRMHS0001431	JUNCTION	0.00	0.00	323.01	0	00:00	0.00
PWOPRMHS0001433	JUNCTION	0.01	0.15	319.93	0	04:44	0.15
PWOPRMHS0001435	JUNCTION	0.01	0.08	319.72	0	05:15	0.08
PWOPRMHS0001436	JUNCTION	0.07	1.11	319.46	0	05:15	1.11
PWOPRMHS0001437	JUNCTION	0.02	0.38	319.76	0	05:15	0.38
PWOPRMHS0001438	JUNCTION	0.06	0.96	319.16	0	05:16	0.95
PWOPRMHS0001467	JUNCTION	0.02	0.21	321.13	0	05:15	0.21
PWOPRMHS0001597	JUNCTION	0.00	0.00	324.78	0	00:00	0.00
PWOPRMHS0001598	JUNCTION	0.02	0.27	325.76	0	05:15	0.27
PWOPRMHS0001600	JUNCTION	0.02	0.26	324.92	0	05:15	0.26
PWOPRMHS0001601	JUNCTION	0.02	0.18	326.33	0	05:15	0.18
PWOPRMHS0001602	JUNCTION	0.02	0.19	326.17	0	04:46	0.19
PWOPRMHS0001603	JUNCTION	0.02	0.34	324.57	0	05:15	0.34
PWOPRMHS0001604	JUNCTION	0.03	0.50	324.45	0	05:15	0.50
PWOPRMHS0001605	JUNCTION	0.02	0.23	324.57	0	05:15	0.23
PWOPRMHS0001606	JUNCTION	0.06	0.89	324.46	0	05:15	0.89
PWOPRMHS0001608	JUNCTION	0.05	0.82	326.49	0	05:16	0.82
PWOPRMHS0001610	JUNCTION	0.02	0.30	325.74	0	05:15	0.30
PWOPRMHS0001611	JUNCTION	0.03	1.22	324.09	0	05:16	1.12
PWOPRMHS0001614	JUNCTION	0.04	0.80	323.71	0	05:15	0.69
PWOPRMHS0001622	JUNCTION	0.01	0.08	332.81	0	05:15	0.08
PWOPRMHS0001624	JUNCTION	0.01	0.20	331.12	0	05:15	0.20
PWOPRMHS0001625	JUNCTION	0.01	0.21	330.82	0	05:15	0.21
PWOPRMHS0001626	JUNCTION	0.25	0.40	331.40	0	05:15	0.40
PWOPRMHS0001634	JUNCTION	0.04	0.58	326.79	0	05:15	0.58
PWOPRMHS0001642	JUNCTION	0.01	0.61	323.88	0	05:14	0.29

PWOPRMHS0001643	JUNCTION	0.01	0.30	323.68	0	05:14	0.30
PWOPRMHS0001649	JUNCTION	0.01	0.21	329.42	0	05:15	0.21
PWOPRMHS0001650	JUNCTION	0.01	0.19	329.76	0	05:15	0.19
PWOPRMHS0001651	JUNCTION	0.01	0.18	330.46	0	05:15	0.18
PWOPRMHS0001652	JUNCTION	0.01	0.22	327.11	0	05:15	0.22
PWOPRMHS0001653	JUNCTION	0.02	0.28	325.52	0	05:15	0.28
PWOPRMHS0001654	JUNCTION	0.02	0.27	325.18	0	05:15	0.27
PWOPRMHS0001655	JUNCTION	0.01	0.09	330.09	0	05:15	0.09
PWOPRMHS0001657	JUNCTION	0.02	0.35	324.93	0	05:15	0.35
PWOPRMHS0001658	JUNCTION	0.01	0.23	325.15	0	05:15	0.23
PWOPRMHS0001659	JUNCTION	0.02	0.26	325.57	0	05:15	0.26
PWOPRMHS0001660	JUNCTION	0.03	0.60	324.70	0	05:15	0.60
PWOPRMHS0001661B	JUNCTION	0.03	0.61	324.92	0	05:15	0.61
PWOPRMHS0001662	JUNCTION	0.04	0.55	324.50	0	05:15	0.54
PWOPRMHS0001663	JUNCTION	0.05	0.83	324.89	0	05:15	0.83
PWOPRMHS0001664	JUNCTION	0.02	0.22	326.57	0	05:15	0.22
PWOPRMHS0001667	JUNCTION	0.07	1.07	324.22	0	05:16	1.07
PWOPRMHS0001670	JUNCTION	0.04	0.50	323.42	0	05:16	0.50
PWOPRMHS0001674	JUNCTION	0.05	0.68	326.56	0	05:15	0.68
PWOPRMHS0001676	JUNCTION	0.03	0.49	326.82	0	05:15	0.49
PWOPRMHS0001677	JUNCTION	0.02	0.39	326.98	0	05:15	0.39
PWOPRMHS0001678	JUNCTION	0.01	0.15	327.16	0	05:15	0.15
PWOPRMHS0001679	JUNCTION	0.02	0.28	336.17	0	05:15	0.28
PWOPRMHS0001680	JUNCTION	0.02	0.36	335.42	0	05:15	0.36
PWOPRMHS0001682	JUNCTION	0.02	0.36	328.46	0	05:15	0.36
PWOPRMHS0001686	JUNCTION	0.02	0.42	328.97	0	05:15	0.42
PWOPRMHS0001687	JUNCTION	0.05	0.77	327.17	0	05:16	0.77
PWOPRMHS0001688	JUNCTION	0.05	0.92	327.02	0	05:16	0.92
PWOPRMHS0001689	JUNCTION	0.05	0.85	327.46	0	05:15	0.85
PWOPRMHS0001690	JUNCTION	0.05	0.83	327.57	0	05:15	0.83
PWOPRMHS0001691	JUNCTION	0.04	0.70	327.68	0	05:15	0.70
PWOPRMHS0001692	JUNCTION	0.04	0.61	328.18	0	05:15	0.61
PWOPRMHS0001695	JUNCTION	0.02	0.32	322.57	0	05:18	0.30
PWOPRMHS0001697	JUNCTION	0.02	0.22	324.13	0	05:15	0.22
PWOPRMHS0001705	JUNCTION	0.01	0.11	328.64	0	05:15	0.11
PWOPRMHS0001706	JUNCTION	0.02	0.26	327.40	0	05:15	0.26
PWOPRMHS0001713	JUNCTION	0.03	0.46	325.97	0	05:16	0.46
PWOPRMHS0001729	JUNCTION	0.02	0.34	329.42	0	05:15	0.34
PWOPRMHS0001732	JUNCTION	0.02	0.34	329.32	0	05:15	0.34
PWOPRMHS0001733	JUNCTION	0.01	0.13	324.18	0	05:15	0.13
PWOPRMHS0001736	JUNCTION	0.02	0.33	323.73	0	05:14	0.33
PWOPRMHS0001739	JUNCTION	0.02	0.33	329.22	0	05:15	0.33
PWOPRMHS0001740	JUNCTION	0.02	0.35	329.07	0	05:15	0.34
PWOPRMHS0001741	JUNCTION	0.01	0.10	329.58	0	05:15	0.10
PWOPRMHS0001743	JUNCTION	0.04	0.65	327.94	0	05:16	0.65
PWOPRMHS0001744	JUNCTION	0.04	0.69	328.42	0	05:15	0.69
PWOPRMHS0001745	JUNCTION	0.04	0.67	328.73	0	05:15	0.67
PWOPRMHS0001746	JUNCTION	0.04	0.67	328.60	0	05:15	0.67
PWOPRMHS0001761	JUNCTION	0.00	0.00	329.15	0	00:00	0.00
PWOPRMHS0001764	JUNCTION	0.03	0.40	327.86	0	05:15	0.40
PWOPRMHS0001765	JUNCTION	0.02	0.25	328.29	0	05:15	0.25
PWOPRMHS0001766	JUNCTION	0.00	0.00	328.32	0	00:00	0.00
PWOPRMHS0001767	JUNCTION	0.03	0.39	327.64	0	05:15	0.39
PWOPRMHS0001768	JUNCTION	0.01	0.18	328.03	0	05:15	0.18
PWOPRMHS0001788	JUNCTION	0.03	0.51	323.45	0	05:15	0.51
PWOPRMHS0001791	JUNCTION	0.05	0.72	326.31	0	05:16	0.71
PWOPRMHS0001792	JUNCTION	0.04	0.59	325.83	0	05:15	0.59

PWOPRMHS0001796	JUNCTION	0.00	0.00	326.65	0	00:00	0.00
PWOPRMHS0001797	JUNCTION	0.01	0.17	326.57	0	05:15	0.17
PWOPRMHS0001798	JUNCTION	0.01	0.17	326.23	0	05:15	0.17
PWOPRMHS0001804	JUNCTION	0.00	0.06	332.04	0	05:15	0.06
PWOPRMHS0001836	JUNCTION	0.04	0.53	325.09	0	05:16	0.53
PWOPRMHS0001855	JUNCTION	0.02	0.24	326.45	0	05:15	0.24
PWOPRMHS0001856	JUNCTION	0.02	0.40	328.13	0	05:15	0.40
PWOPRMHS0001857	JUNCTION	0.02	0.24	322.67	0	05:15	0.24
PWOPRMHS0001858	JUNCTION	0.02	0.30	330.23	0	05:15	0.30
PWOPRMHS0001867	JUNCTION	0.01	0.10	332.04	0	05:15	0.10
PWOPRMHS0001874	JUNCTION	0.01	0.10	329.97	0	05:15	0.10
PWOPRMHS0001878	JUNCTION	0.02	0.37	323.65	0	05:12	0.30
PWOPRMHS0001879	JUNCTION	0.02	0.89	323.93	0	05:12	0.66
PWOPRMHS0001881	JUNCTION	0.01	0.20	323.77	0	05:14	0.19
PWOPRMHS0001889	JUNCTION	0.03	0.52	325.15	0	05:15	0.52
PWOPRMHS0001890	JUNCTION	0.03	0.50	325.02	0	05:15	0.50
PWOPRMHS0001891	JUNCTION	0.01	0.11	325.21	0	05:15	0.11
PWOPRMHS0001894	JUNCTION	0.03	0.54	324.77	0	05:15	0.54
PWOPRMHS0001903	JUNCTION	0.01	0.16	332.88	0	05:15	0.16
PWOPRMHS0001904	JUNCTION	0.02	0.27	330.71	0	05:15	0.27
PWOPRMHS0001906	JUNCTION	0.02	0.31	319.11	0	05:15	0.31
PWOPRMHS0001907	JUNCTION	0.02	0.32	319.15	0	05:15	0.32
PWOPRMHS0001908	JUNCTION	0.01	0.16	319.71	0	05:15	0.16
PWOPRMHS0001911	JUNCTION	0.02	0.31	318.80	0	05:15	0.31
PWOPRMHS0001912	JUNCTION	0.05	0.74	318.25	0	05:15	0.74
PWOPRMHS0001914	JUNCTION	0.01	0.15	331.98	0	05:15	0.15
PWOPRMHS0001915	JUNCTION	0.02	0.26	329.45	0	05:15	0.26
PWOPRMHS0001916	JUNCTION	0.02	0.30	327.89	0	05:15	0.30
PWOPRMHS0001917	JUNCTION	0.02	0.25	319.49	0	05:15	0.25
PWOPRMHS0001918	JUNCTION	0.07	0.99	318.80	0	05:17	0.99
PWOPRMHS0001919	JUNCTION	0.01	0.21	328.01	0	05:15	0.21
PWOPRMHS0001925	JUNCTION	0.02	0.33	323.66	0	05:15	0.33
PWOPRMHS0001926	JUNCTION	0.03	0.36	323.05	0	05:15	0.36
PWOPRMHS0001927	JUNCTION	0.01	0.16	323.67	0	05:15	0.16
PWOPRMHS0001928	JUNCTION	0.04	0.64	322.84	0	05:08	0.64
PWOPRMHS0001929	JUNCTION	0.02	0.25	324.10	0	05:15	0.25
PWOPRMHS0001930	JUNCTION	0.03	0.35	323.42	0	05:15	0.35
PWOPRMHS0001931	JUNCTION	0.01	0.20	325.19	0	05:15	0.20
PWOPRMHS0001932	JUNCTION	0.02	0.29	325.60	0	05:15	0.29
PWOPRMHS0001933	JUNCTION	0.02	0.28	325.94	0	05:15	0.28
PWOPRMHS0001935	JUNCTION	0.02	0.25	326.28	0	05:15	0.25
PWOPRMHS0001937	JUNCTION	0.02	0.23	324.51	0	05:15	0.23
PWOPRMHS0001939	JUNCTION	0.01	0.11	327.62	0	05:15	0.11
PWOPRMHS0001941	JUNCTION	0.00	0.00	326.79	0	00:00	0.00
PWOPRMHS0001943	JUNCTION	0.02	0.24	326.66	0	05:15	0.24
PWOPRMHS0001944	JUNCTION	0.03	0.39	323.03	0	05:15	0.39
PWOPRMHS0001945	JUNCTION	0.00	0.00	323.32	0	00:00	0.00
PWOPRMHS0001947	JUNCTION	0.01	0.10	324.12	0	05:15	0.10
PWOPRMHS0002041	JUNCTION	0.02	0.24	329.31	0	05:15	0.24
PWOPRMHS0002042	JUNCTION	0.02	0.27	329.83	0	05:15	0.27
PWOPRMHS0002046	JUNCTION	0.00	0.07	330.79	0	05:15	0.07
PWOPRMHS0002050	JUNCTION	0.02	0.23	329.20	0	05:15	0.23
PWOPRMHS0002051	JUNCTION	0.04	0.62	328.89	0	05:15	0.62
PWOPRMHS0002080	JUNCTION	0.01	0.19	325.42	0	05:15	0.19
PWOPRMHS0002082	JUNCTION	0.01	0.20	326.91	0	05:15	0.20
PWOPRMHS0002083	JUNCTION	0.02	0.28	325.60	0	05:15	0.28
PWOPRMHS0002084	JUNCTION	0.03	0.43	325.40	0	05:15	0.43

PWOPRMHS0002085	JUNCTION	0.01	0.11	329.50	0	05:15	0.11
PWOPRMHS0002095	JUNCTION	0.01	0.12	336.16	0	05:15	0.12
PWOPRMHS0003136	JUNCTION	0.03	0.49	329.38	0	05:15	0.49
PWOPRMHS0003137	JUNCTION	0.02	0.37	329.87	0	05:15	0.37
PWOPRMHS0003140	JUNCTION	0.00	0.00	327.35	0	00:00	0.00
PWOPRMHS0003146	JUNCTION	0.03	0.52	335.12	0	05:15	0.52
PWOPRMHS0003147	JUNCTION	0.02	0.28	334.07	0	05:15	0.28
PWOPRMHS0003148	JUNCTION	0.02	0.40	332.29	0	05:15	0.40
PWOPRMHS0003149	JUNCTION	0.02	0.33	331.19	0	05:15	0.33
PWOPRMHS0003153	JUNCTION	0.02	0.26	336.42	0	05:15	0.26
PWOPRMHS0003160	JUNCTION	0.01	0.15	335.65	0	05:15	0.15
PWOPRMHS0004129	JUNCTION	0.01	0.22	329.29	0	05:15	0.22
PWOPRMHS0004130	JUNCTION	0.02	0.34	329.17	0	05:15	0.34
PWOPRMHS0004131	JUNCTION	0.02	0.27	328.84	0	05:15	0.27
PWOPRMHS0004132	JUNCTION	0.02	0.39	328.52	0	05:15	0.39
PWOPRMHS0004133	JUNCTION	0.02	0.29	329.08	0	05:15	0.29
PWOPRMHS0004134	JUNCTION	0.01	0.17	332.11	0	05:15	0.17
PWOPRMHS0004135	JUNCTION	0.01	0.22	332.65	0	05:15	0.22
PWOPRMHS0004137	JUNCTION	0.01	0.16	334.54	0	05:15	0.16
PWOPRMHS0004141	JUNCTION	0.03	0.49	327.87	0	05:15	0.49
PWOPRMHS0004142	JUNCTION	0.03	0.45	327.49	0	05:15	0.45
PWOPRMHS0004143	JUNCTION	0.01	0.15	327.93	0	05:15	0.15
PWOPRMHS0004146	JUNCTION	0.00	0.00	332.40	0	00:00	0.00
PWOPRMHS0004159	JUNCTION	0.01	0.20	329.83	0	05:15	0.20
PWOPRMHS0004201	JUNCTION	0.01	0.19	329.71	0	05:15	0.19
PWOPRMHS0004998	JUNCTION	0.00	0.03	326.76	0	05:15	0.03
PWOPRMHS0004999	JUNCTION	0.00	0.03	327.52	0	05:15	0.03
PWOPRMHS0005000	JUNCTION	0.02	0.21	327.20	0	05:15	0.21
PWOPRMHS0005001	JUNCTION	0.03	0.30	327.42	0	05:15	0.30
PWOPRMHS0005003	JUNCTION	0.05	0.76	326.95	0	05:15	0.76
PWOPRMHS0005008	JUNCTION	0.01	0.10	338.62	0	05:15	0.10
PWOPRMHS0005009	JUNCTION	0.00	0.08	339.47	0	05:15	0.08
PWOPRMHS0005010	JUNCTION	0.01	0.09	338.23	0	05:15	0.09
PWOPRMHS0005011	JUNCTION	0.01	0.23	335.21	0	05:15	0.23
PWOPRMHS0005012	JUNCTION	0.01	0.12	335.67	0	05:15	0.12
PWOPRMHS0005013	JUNCTION	0.01	0.20	335.00	0	05:15	0.20
PWOPRMHS0005178	JUNCTION	0.00	0.04	328.68	0	05:15	0.04
PWOPRMHS0005179	JUNCTION	0.03	0.45	326.65	0	05:15	0.45
PWOPRMHS0005181	JUNCTION	0.03	0.47	327.13	0	05:15	0.47
PWOPRMHS0005183	JUNCTION	0.02	0.35	328.09	0	05:15	0.35
PWOPRMHS0005188	JUNCTION	0.01	0.20	330.14	0	05:15	0.20
PWOPRMHS0005196	JUNCTION	0.01	0.17	328.38	0	05:15	0.17
PWOPRMHS0005223	JUNCTION	0.03	0.44	326.28	0	05:15	0.44
PWOPRMHS0005226	JUNCTION	0.03	0.44	325.90	0	05:15	0.44
PWOPRMHS0005229	JUNCTION	0.01	0.18	324.92	0	05:15	0.18
PWOPRMHS0005230	JUNCTION	0.02	0.31	324.86	0	05:15	0.31
PWOPRMHS0005231	JUNCTION	0.01	0.17	325.41	0	05:15	0.17
PWOPRMHS0005906	JUNCTION	0.00	0.00	319.63	0	00:00	0.00
PWOPRMHS0005908	JUNCTION	0.01	0.12	319.04	0	05:15	0.12
PWOPRMHS0005909	JUNCTION	0.02	0.22	318.66	0	05:15	0.22
PWOPRMHS0005910	JUNCTION	0.00	0.00	318.95	0	00:00	0.00
PWOPRMHS0005911	JUNCTION	0.00	0.00	319.29	0	00:00	0.00
PWOPRMHS0005924	JUNCTION	0.01	0.17	318.77	0	05:15	0.17
PWOPRMHS0005926	JUNCTION	0.02	0.27	318.32	0	05:15	0.27
PWOPRMHS0005927	JUNCTION	0.02	0.35	318.11	0	05:15	0.35
PWOPRMHS0005930	JUNCTION	0.03	0.39	317.64	0	05:15	0.39
PWOPRMHS0005931	JUNCTION	0.01	0.20	317.90	0	05:15	0.20

PWOPRMHS0005932	JUNCTION	0.01	0.13	318.01	0	05:15	0.13
PWOPRMHS0005944	JUNCTION	0.01	0.12	318.44	0	05:15	0.12
PWOPRMHS0005945	JUNCTION	0.01	0.20	318.42	0	05:15	0.20
PWOPRMHS0005946	JUNCTION	0.01	0.18	318.68	0	05:15	0.18
SWMPOND	JUNCTION	0.04	0.57	322.57	0	05:19	0.55
A1_OVERFLOW	OUTFALL	0.00	0.02	317.02	0	05:15	0.02
A2_OVERFLOW	OUTFALL	0.00	0.00	329.00	0	00:00	0.00
A3_OVERFLOW	OUTFALL	0.02	0.29	326.29	0	05:15	0.29
A4_OVERFLOW	OUTFALL	0.15	0.57	317.57	0	07:20	0.57
B1_OVERFLOW	OUTFALL	0.00	0.03	324.03	0	05:16	0.03
B2_OVERFLOW	OUTFALL	0.00	0.12	322.12	0	05:18	0.12
C1_OVERFLOW	OUTFALL	0.02	0.30	319.30	0	05:15	0.30
D1_OVERFLOW	OUTFALL	0.01	0.28	324.78	0	05:16	0.28
D2_OVERFLOW	OUTFALL	0.03	0.23	321.23	0	05:15	0.23
D3_OVERFLOW	OUTFALL	0.05	0.30	321.80	0	07:45	0.30
D4_OVERFLOW	OUTFALL	0.03	0.16	318.16	0	06:31	0.16
E1_OVERFLOW	OUTFALL	0.29	0.69	314.69	0	13:16	0.69
E2_OVERFLOW	OUTFALL	0.20	0.45	314.35	0	16:47	0.44
HanlonCreek	OUTFALL	0.00	0.00	300.00	0	00:00	0.00
S_A1	STORAGE	0.04	0.50	331.50	0	05:16	0.50
S_A1.1FRST	STORAGE	0.02	0.79	336.44	0	05:16	0.79
S_A2	STORAGE	0.06	0.54	330.54	0	06:10	0.54
S_A2.1FRST	STORAGE	0.02	0.98	334.55	0	05:18	0.88
S_A2.2FRST	STORAGE	0.01	0.90	334.47	0	05:34	0.79
S_A3	STORAGE	0.11	0.53	326.53	0	06:39	0.53
S_A3.1FRST	STORAGE	0.02	0.98	332.98	0	05:19	0.86
S_A3.2FRST	STORAGE	0.02	0.99	332.99	0	05:34	0.89
S_A3.3FRST	STORAGE	0.03	0.99	330.09	0	05:38	0.88
S_A4	STORAGE	0.41	0.99	318.99	0	08:21	0.99
S_A4.1FRST	STORAGE	0.03	0.98	324.38	0	05:34	0.92
S_A4.2FRST	STORAGE	0.02	0.99	324.39	0	05:21	0.82
S_A4.3FRST	STORAGE	0.00	0.16	324.13	0	07:46	0.16
S_A4.4FRST	STORAGE	0.02	0.82	324.78	0	05:30	0.80
S_A4.5FRST	STORAGE	0.03	0.98	327.98	0	05:17	0.96
S_A4.6FRST	STORAGE	0.00	0.33	327.33	0	08:15	0.32
S_B1	STORAGE	0.04	0.60	324.60	0	05:18	0.59
S_B1.1FRST	STORAGE	0.03	0.94	328.94	0	05:30	0.94
S_B2	STORAGE	0.08	0.76	322.76	0	05:54	0.76
S_B2.1FRST	STORAGE	0.03	0.97	326.47	0	05:31	0.97
S_C1	STORAGE	0.11	0.84	319.84	0	05:21	0.84
S_C1.1FRST	STORAGE	0.01	0.39	322.49	0	06:02	0.37
S_D1	STORAGE	0.09	0.64	325.14	0	05:27	0.64
S_D1.1FRST	STORAGE	0.02	0.89	330.39	0	06:30	0.88
S_D2	STORAGE	0.14	0.55	321.55	0	05:19	0.54
S_D2.1FRST	STORAGE	0.01	0.57	324.67	0	06:45	0.56
S_D3	STORAGE	0.22	0.94	322.44	0	08:11	0.94
S_D4	STORAGE	0.23	0.81	318.81	0	05:20	0.81
S_D4.1FRST	STORAGE	0.01	0.74	321.84	0	06:30	0.73
S_E1	STORAGE	0.77	1.41	315.41	0	12:43	1.41
S_E1.1FRST	STORAGE	0.04	0.97	318.07	0	05:34	0.92
S_E2	STORAGE	0.37	0.64	314.54	0	16:53	0.64
S_E2.1FRST	STORAGE	0.02	0.78	317.73	0	05:34	0.74

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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	
1	JUNCTION	4.782	5.068	0 05:15	27.7	29	-0.011	
11	JUNCTION	0.000	11.405	0 05:18	0	459	0.001	
12	JUNCTION	0.000	11.406	0 05:19	0	459	0.000	
13	JUNCTION	0.000	18.549	0 05:19	0	636	-0.000	
14	JUNCTION	0.996	5.763	0 05:15	5.29	34.3	0.006	
15	JUNCTION	0.000	13.497	0 12:44	0	647	-0.039	
17	JUNCTION	0.000	10.008	0 16:53	0	651	-0.001	
18	JUNCTION	0.711	11.896	0 05:16	3.64	48.6	-0.154	
19	JUNCTION	0.000	4.224	0 05:18	0	22.7	0.005	
2	JUNCTION	28.495	29.717	0 05:15	167	173	-0.050	
20	JUNCTION	1.346	7.160	0 05:16	8.32	51.7	0.013	
21	JUNCTION	6.159	14.545	0 05:15	38.3	257	-0.002	
22	JUNCTION	0.000	6.484	0 05:18	0	65.3	-0.004	
24	JUNCTION	0.274	10.379	0 05:17	0.896	84.1	0.050	
25	JUNCTION	0.000	6.502	0 05:18	0	65.3	-0.003	
26	JUNCTION	0.000	0.000	0 00:00	0	0	0.000	ltr
27	JUNCTION	12.951	12.951	0 05:15	81.2	83.5	-0.012	
28	JUNCTION	10.813	18.628	0 05:15	148	224	0.017	
29	JUNCTION	0.000	5.271	0 05:27	0	84.6	-0.012	
3	JUNCTION	2.217	6.328	0 05:15	11.2	43.3	-0.025	
30	JUNCTION	0.000	5.071	0 05:19	0	147	-0.000	
31	JUNCTION	0.000	5.070	0 05:20	0	147	-0.000	
32	JUNCTION	0.000	5.070	0 05:20	0	147	-0.003	
34	JUNCTION	0.000	5.370	0 05:21	0	169	0.000	
35	JUNCTION	0.000	5.370	0 05:21	0	169	0.000	
36	JUNCTION	0.041	6.901	0 05:16	0.143	177	0.003	
37	JUNCTION	0.534	5.028	0 05:16	2.86	23.7	-0.009	
39	JUNCTION	0.000	4.981	0 08:32	0	133	0.020	
4	JUNCTION	0.112	0.445	0 05:07	0.603	2.13	0.036	
40	JUNCTION	26.442	26.442	0 05:15	213	214	-0.001	
42	JUNCTION	5.108	11.809	0 05:18	27.1	74	0.019	
48	JUNCTION	8.625	18.044	0 05:15	64.3	148	0.010	
49	JUNCTION	21.744	21.744	0 07:45	426	426	-0.000	
5	JUNCTION	0.000	3.749	0 06:11	0	45.5	0.013	
50	JUNCTION	10.051	14.807	0 06:31	221	369	0.001	
53	JUNCTION	124.161	135.242	0 13:10	5.46e+03	6.1e+03	0.001	
54	JUNCTION	55.445	66.040	0 16:47	2.58e+03	3.23e+03	0.017	
56	JUNCTION	3.869	10.007	0 16:55	17.1	668	0.004	
6	JUNCTION	4.244	7.982	0 05:15	23.8	73.3	-0.031	
7	JUNCTION	69.900	83.347	0 07:20	1.94e+03	2.45e+03	0.005	
8	JUNCTION	6.563	40.331	0 05:15	41.7	324	-0.006	
9	JUNCTION	0.116	51.750	0 05:16	0.627	414	-0.014	
MHEasement1	JUNCTION	0.050	0.387	0 05:15	0.203	1.55	-0.011	
MHEasement2	JUNCTION	0.117	0.504	0 05:15	0.444	1.99	0.000	
MHSchool	JUNCTION	0.000	1.038	0 05:15	0	4.85	0.000	
MHSWM4	JUNCTION	0.039	2.444	0 05:15	0.131	11.1	0.001	
PWOPRMHS0001369	JUNCTION	0.000	1.003	0 05:15	0	4.22	0.011	
PWOPRMHS0001370	JUNCTION	0.000	0.338	0 05:15	0	1.35	-0.003	
PWOPRMHS0001371	JUNCTION	0.108	0.108	0 05:15	0.424	0.424	-0.001	
PWOPRMHS0001372	JUNCTION	0.000	0.000	0 00:00	0	0	0.000	ltr

PWOPRMHS0001373	JUNCTION	0.000	0.215	0	05:15	0	0.856	-0.001	
PWOPRMHS0001374	JUNCTION	0.041	0.230	0	05:15	0.165	0.922	-0.000	
PWOPRMHS0001375	JUNCTION	0.000	0.230	0	05:15	0	0.922	0.003	
PWOPRMHS0001386	JUNCTION	0.000	1.799	0	05:15	0	7.42	-0.036	
PWOPRMHS0001387	JUNCTION	0.000	1.298	0	05:15	0	5.42	-0.004	
PWOPRMHS0001388	JUNCTION	0.111	1.298	0	05:15	0.423	5.42	-0.000	
PWOPRMHS0001389	JUNCTION	0.190	1.188	0	05:15	0.774	5	0.002	
PWOPRMHS0001390	JUNCTION	0.076	0.076	0	05:15	0.342	0.342	-0.002	
PWOPRMHS0001391	JUNCTION	0.000	0.165	0	05:15	0	0.683	-0.002	
PWOPRMHS0001392	JUNCTION	0.089	0.089	0	05:15	0.341	0.341	-0.001	
PWOPRMHS0001393	JUNCTION	0.164	0.787	0	05:15	0.791	3.37	0.002	
PWOPRMHS0001394	JUNCTION	0.000	0.164	0	05:15	0	0.683	-0.002	
PWOPRMHS0001395	JUNCTION	0.218	0.218	0	05:15	0.801	0.801	-0.002	
PWOPRMHS0001398	JUNCTION	0.226	0.226	0	05:15	0.849	0.849	0.000	
PWOPRMHS0001399	JUNCTION	0.000	0.226	0	05:15	0	0.849	-0.002	
PWOPRMHS0001400	JUNCTION	0.000	0.226	0	05:15	0	0.849	0.002	
PWOPRMHS0001401	JUNCTION	0.107	0.332	0	05:15	0.399	1.25	-0.301	
PWOPRMHS0001402	JUNCTION	0.082	0.462	0	05:15	0.33	1.81	-0.243	
PWOPRMHS0001403	JUNCTION	0.287	2.407	0	05:15	1.27	10.9	-0.001	
PWOPRMHS0001404	JUNCTION	0.000	0.625	0	05:15	0	2.58	-0.054	
PWOPRMHS0001408	JUNCTION	0.385	0.385	0	05:15	1.44	1.44	-0.002	
PWOPRMHS0001409	JUNCTION	0.123	0.123	0	05:15	0.502	0.502	-0.001	
PWOPRMHS0001410	JUNCTION	0.082	1.387	0	05:15	0.354	6.48	-0.005	
PWOPRMHS0001411	JUNCTION	0.043	0.344	0	05:15	0.219	1.99	-0.000	
PWOPRMHS0001412	JUNCTION	0.021	0.301	0	05:15	0.117	1.77	-0.000	
PWOPRMHS0001413	JUNCTION	0.241	0.241	0	05:15	1.44	1.44	-0.001	
PWOPRMHS0001415	JUNCTION	0.000	1.002	0	05:15	0	4.22	-0.000	
PWOPRMHS0001416	JUNCTION	0.000	2.443	0	05:15	0	11.1	-0.004	
PWOPRMHS0001418	JUNCTION	0.107	2.893	0	05:15	0.48	12.9	-0.017	
PWOPRMHS0001419	JUNCTION	0.000	0.189	0	05:15	0	0.757	-0.000	
PWOPRMHS0001420	JUNCTION	0.037	0.189	0	05:15	0.146	0.757	-0.000	
PWOPRMHS0001421	JUNCTION	0.000	0.152	0	05:15	0	0.611	-0.000	
PWOPRMHS0001422	JUNCTION	0.025	0.216	0	05:15	0.107	0.855	-0.077	
PWOPRMHS0001423	JUNCTION	0.025	0.190	0	05:15	0.098	0.749	0.018	
PWOPRMHS0001424	JUNCTION	0.165	0.165	0	05:15	0.651	0.651	-0.001	
PWOPRMHS0001428	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001429	JUNCTION	0.153	0.153	0	05:15	0.611	0.611	-0.001	
PWOPRMHS0001430	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001431	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001433	JUNCTION	0.350	0.350	0	05:15	1.35	1.35	0.039	
PWOPRMHS0001435	JUNCTION	0.054	0.054	0	05:15	0.286	0.286	-0.001	
PWOPRMHS0001436	JUNCTION	0.053	3.963	0	05:15	0.218	18	0.015	
PWOPRMHS0001437	JUNCTION	0.000	1.024	0	05:15	0	4.83	0.015	
PWOPRMHS0001438	JUNCTION	0.000	4.012	0	05:15	0	18.2	-0.005	
PWOPRMHS0001467	JUNCTION	0.241	0.241	0	05:15	1.14	1.14	0.103	
PWOPRMHS0001597	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001598	JUNCTION	0.146	0.343	0	05:15	0.969	2.31	0.008	
PWOPRMHS0001600	JUNCTION	0.352	0.352	0	05:15	1.68	1.68	0.003	
PWOPRMHS0001601	JUNCTION	0.176	0.176	0	05:15	1.19	1.19	-0.001	
PWOPRMHS0001602	JUNCTION	0.014	0.198	0	05:15	0.103	1.34	-0.005	
PWOPRMHS0001603	JUNCTION	0.019	0.371	0	05:15	0.132	1.81	-0.029	
PWOPRMHS0001604	JUNCTION	0.024	0.638	0	05:15	0.172	3.1	-0.019	
PWOPRMHS0001605	JUNCTION	0.244	0.244	0	05:15	1.12	1.12	0.012	
PWOPRMHS0001606	JUNCTION	0.120	3.374	0	05:15	0.514	16.5	0.014	
PWOPRMHS0001608	JUNCTION	0.000	2.283	0	05:16	0	10.6	-0.022	
PWOPRMHS0001610	JUNCTION	0.000	2.619	0	05:15	0	12.9	-0.005	
PWOPRMHS0001611	JUNCTION	0.023	3.599	0	05:09	0.0919	4.86	1.797	

PWOPRMHS0001614	JUNCTION	0.020	2.151	0	05:08	0.0916	3.57	-0.902	
PWOPRMHS0001622	JUNCTION	0.039	0.039	0	05:15	0.211	0.211	-0.001	
PWOPRMHS0001624	JUNCTION	0.000	0.240	0	05:15	0	1.27	-0.001	
PWOPRMHS0001625	JUNCTION	0.081	0.321	0	05:15	0.351	1.62	-0.000	
PWOPRMHS0001626	JUNCTION	0.240	0.240	0	05:15	1.27	1.27	0.023	
PWOPRMHS0001634	JUNCTION	0.090	1.476	0	05:15	0.375	6.86	0.066	
PWOPRMHS0001642	JUNCTION	0.020	1.047	0	05:15	0.123	1.18	1.244	
PWOPRMHS0001643	JUNCTION	0.033	0.226	0	05:14	0.128	0.793	-0.200	
PWOPRMHS0001649	JUNCTION	0.036	0.474	0	05:15	0.193	2.35	-0.001	
PWOPRMHS0001650	JUNCTION	0.000	0.334	0	05:15	0	1.68	-0.000	
PWOPRMHS0001651	JUNCTION	0.013	0.334	0	05:15	0.0615	1.68	-0.000	
PWOPRMHS0001652	JUNCTION	0.000	0.474	0	05:15	0	2.35	-0.000	
PWOPRMHS0001653	JUNCTION	0.000	0.474	0	05:15	0	2.35	-0.005	
PWOPRMHS0001654	JUNCTION	0.000	0.474	0	05:15	0	2.35	-0.057	
PWOPRMHS0001655	JUNCTION	0.105	0.105	0	05:15	0.472	0.472	0.004	
PWOPRMHS0001657	JUNCTION	0.013	0.709	0	05:15	0.0704	3.04	-0.007	
PWOPRMHS0001658	JUNCTION	0.181	0.181	0	05:15	0.783	0.783	-0.001	
PWOPRMHS0001659	JUNCTION	0.515	0.515	0	05:15	2.19	2.19	-0.001	
PWOPRMHS0001660	JUNCTION	0.029	1.178	0	05:15	0.125	4.78	-0.002	
PWOPRMHS0001661B	JUNCTION	0.771	1.244	0	05:15	3.06	5.4	0.033	
PWOPRMHS0001662	JUNCTION	0.135	3.273	0	05:15	0.488	13.8	-0.037	
PWOPRMHS0001663	JUNCTION	0.012	1.964	0	05:15	0.076	8.52	-0.007	
PWOPRMHS0001664	JUNCTION	0.000	0.474	0	05:15	0	2.35	0.010	
PWOPRMHS0001667	JUNCTION	0.000	3.373	0	05:15	0	16.5	-0.028	
PWOPRMHS0001670	JUNCTION	0.037	3.404	0	05:16	0.223	16.7	0.047	
PWOPRMHS0001674	JUNCTION	0.000	4.045	0	05:15	0	18.3	0.002	
PWOPRMHS0001676	JUNCTION	0.030	0.645	0	05:15	0.12	2.93	-0.015	
PWOPRMHS0001677	JUNCTION	0.046	0.615	0	05:15	0.218	2.81	0.010	
PWOPRMHS0001678	JUNCTION	0.199	0.199	0	05:15	0.908	0.908	0.004	
PWOPRMHS0001679	JUNCTION	0.000	0.380	0	05:15	0	1.62	0.001	
PWOPRMHS0001680	JUNCTION	0.046	0.673	0	05:15	0.198	2.93	-0.024	
PWOPRMHS0001682	JUNCTION	0.080	1.284	0	05:15	0.364	5.64	-0.007	
PWOPRMHS0001686	JUNCTION	0.036	1.150	0	05:15	0.161	5.03	-0.000	
PWOPRMHS0001687	JUNCTION	0.000	3.264	0	05:15	0	14.8	0.002	
PWOPRMHS0001688	JUNCTION	0.043	3.403	0	05:15	0.166	15.4	0.001	
PWOPRMHS0001689	JUNCTION	0.048	3.264	0	05:15	0.216	14.8	0.008	
PWOPRMHS0001690	JUNCTION	0.027	1.934	0	05:15	0.107	8.94	0.000	
PWOPRMHS0001691	JUNCTION	0.082	1.907	0	05:15	0.326	8.83	-0.001	
PWOPRMHS0001692	JUNCTION	0.047	1.589	0	05:15	0.194	7.55	0.001	
PWOPRMHS0001695	JUNCTION	0.234	0.234	0	05:15	1.12	1.12	-0.029	
PWOPRMHS0001697	JUNCTION	0.241	0.241	0	05:15	1.05	1.05	-0.004	
PWOPRMHS0001705	JUNCTION	0.101	0.101	0	05:15	0.402	0.402	-0.001	
PWOPRMHS0001706	JUNCTION	0.370	0.370	0	05:15	1.68	1.68	-0.002	
PWOPRMHS0001713	JUNCTION	0.101	4.142	0	05:15	0.386	18.7	-0.007	
PWOPRMHS0001729	JUNCTION	0.000	0.358	0	05:15	0	1.71	-0.000	
PWOPRMHS0001732	JUNCTION	0.000	0.417	0	05:15	0	1.94	0.002	
PWOPRMHS0001733	JUNCTION	0.102	0.102	0	05:15	0.428	0.428	-0.001	
PWOPRMHS0001736	JUNCTION	0.034	0.375	0	05:15	0.134	1.61	-0.002	
PWOPRMHS0001739	JUNCTION	0.105	0.521	0	05:15	0.411	2.35	0.002	
PWOPRMHS0001740	JUNCTION	0.000	0.521	0	05:15	0	2.35	-0.001	
PWOPRMHS0001741	JUNCTION	0.057	0.057	0	05:15	0.232	0.232	-0.002	
PWOPRMHS0001743	JUNCTION	0.054	1.641	0	05:15	0.224	7.77	-0.025	
PWOPRMHS0001744	JUNCTION	0.000	1.543	0	05:15	0	7.35	-0.004	
PWOPRMHS0001745	JUNCTION	0.009	1.515	0	05:15	0.048	7.24	-0.002	
PWOPRMHS0001746	JUNCTION	0.030	1.544	0	05:15	0.118	7.36	0.003	
PWOPRMHS0001761	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001764	JUNCTION	0.297	0.589	0	05:15	1.28	2.55	-0.003	

PWOPRMHS0001765	JUNCTION	0.293	0.293	0	05:15	1.26	1.26	-0.001	
PWOPRMHS0001766	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001767	JUNCTION	0.074	0.840	0	05:15	0.315	3.64	-0.001	
PWOPRMHS0001768	JUNCTION	0.179	0.179	0	05:15	0.774	0.774	-0.001	
PWOPRMHS0001788	JUNCTION	0.159	2.121	0	05:15	0.668	9.67	0.000	
PWOPRMHS0001791	JUNCTION	0.146	1.617	0	05:15	0.617	7.47	-0.070	
PWOPRMHS0001792	JUNCTION	0.079	1.883	0	05:15	0.328	8.64	-0.000	
PWOPRMHS0001796	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001797	JUNCTION	0.193	0.193	0	05:15	0.833	0.833	-0.001	
PWOPRMHS0001798	JUNCTION	0.000	0.193	0	05:15	0	0.833	-0.000	
PWOPRMHS0001804	JUNCTION	0.047	0.047	0	05:15	0.251	0.251	-0.001	
PWOPRMHS0001836	JUNCTION	0.089	1.969	0	05:15	0.366	9	-0.001	
PWOPRMHS0001855	JUNCTION	0.039	0.955	0	05:15	0.24	4.54	-0.000	
PWOPRMHS0001856	JUNCTION	0.000	0.747	0	05:15	0	3.32	-0.002	
PWOPRMHS0001857	JUNCTION	0.070	1.024	0	05:15	0.29	4.83	-0.000	
PWOPRMHS0001858	JUNCTION	0.044	0.739	0	05:15	0.248	3.27	-0.000	
PWOPRMHS0001867	JUNCTION	0.068	0.068	0	05:15	0.321	0.321	-0.001	
PWOPRMHS0001874	JUNCTION	0.058	0.058	0	05:15	0.224	0.224	-0.002	
PWOPRMHS0001878	JUNCTION	0.029	0.413	0	05:15	0.11	1.72	-0.008	
PWOPRMHS0001879	JUNCTION	0.000	1.907	0	05:12	0	2.22	-0.102	
PWOPRMHS0001881	JUNCTION	0.160	0.160	0	05:15	0.664	0.664	0.060	
PWOPRMHS0001889	JUNCTION	0.035	0.760	0	05:15	0.148	3.05	-0.043	
PWOPRMHS0001890	JUNCTION	0.015	1.096	0	05:15	0.0911	4.44	0.022	
PWOPRMHS0001891	JUNCTION	0.096	0.096	0	05:15	0.387	0.387	-0.019	
PWOPRMHS0001894	JUNCTION	0.056	1.151	0	05:15	0.214	4.66	-0.008	
PWOPRMHS0001903	JUNCTION	0.341	0.341	0	05:15	1.46	1.46	-0.000	
PWOPRMHS0001904	JUNCTION	0.000	0.408	0	05:15	0	1.78	-0.001	
PWOPRMHS0001906	JUNCTION	0.029	0.518	0	05:15	0.135	2.07	-0.000	
PWOPRMHS0001907	JUNCTION	0.000	0.268	0	05:15	0	1.06	-0.000	
PWOPRMHS0001908	JUNCTION	0.221	0.221	0	05:15	0.875	0.875	-0.001	
PWOPRMHS0001911	JUNCTION	0.000	0.518	0	05:15	0	2.07	-0.000	
PWOPRMHS0001912	JUNCTION	0.167	4.763	0	05:15	0.523	21.1	-0.044	
PWOPRMHS0001914	JUNCTION	0.289	0.289	0	05:15	1.24	1.24	-0.001	
PWOPRMHS0001915	JUNCTION	0.008	0.747	0	05:15	0.0511	3.32	0.005	
PWOPRMHS0001916	JUNCTION	0.125	0.869	0	05:15	0.73	4.05	0.000	
PWOPRMHS0001917	JUNCTION	0.269	0.269	0	05:15	1.06	1.06	-0.004	
PWOPRMHS0001918	JUNCTION	0.102	4.109	0	05:16	0.313	18.6	-0.001	
PWOPRMHS0001919	JUNCTION	0.190	0.190	0	05:15	0.729	0.729	-0.001	
PWOPRMHS0001925	JUNCTION	0.123	0.766	0	05:15	0.587	3.76	0.037	
PWOPRMHS0001926	JUNCTION	0.000	0.766	0	05:15	0	3.76	-0.023	
PWOPRMHS0001927	JUNCTION	0.000	0.258	0	05:15	0	1.23	0.029	
PWOPRMHS0001928	JUNCTION	0.135	1.933	0	05:15	0.646	9.44	-0.007	
PWOPRMHS0001929	JUNCTION	0.117	0.586	0	05:15	0.558	2.89	0.014	
PWOPRMHS0001930	JUNCTION	0.053	0.707	0	05:15	0.255	3.47	0.080	
PWOPRMHS0001931	JUNCTION	0.000	0.470	0	05:15	0	2.33	-0.000	
PWOPRMHS0001932	JUNCTION	0.000	0.470	0	05:15	0	2.33	-0.001	
PWOPRMHS0001933	JUNCTION	0.141	0.470	0	05:15	0.674	2.33	-0.001	
PWOPRMHS0001935	JUNCTION	0.000	0.329	0	05:15	0	1.66	-0.001	
PWOPRMHS0001937	JUNCTION	0.643	0.643	0	05:15	3.17	3.17	0.008	
PWOPRMHS0001939	JUNCTION	0.258	0.258	0	05:15	1.23	1.23	-0.001	
PWOPRMHS0001941	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001943	JUNCTION	0.329	0.329	0	05:15	1.66	1.66	-0.001	
PWOPRMHS0001944	JUNCTION	0.069	0.776	0	05:15	0.336	3.8	-0.084	
PWOPRMHS0001945	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001947	JUNCTION	0.067	0.067	0	05:15	0.32	0.32	-0.001	
PWOPRMHS0002041	JUNCTION	0.518	0.518	0	05:15	2.5	2.5	-0.000	
PWOPRMHS0002042	JUNCTION	0.359	0.359	0	05:15	1.71	1.71	-0.001	

PWOPRMHS0002046	JUNCTION	0.057	0.057	0	05:15	0.252	0.252	-0.001	
PWOPRMHS0002050	JUNCTION	0.319	0.319	0	05:15	1.72	1.72	-0.001	
PWOPRMHS0002051	JUNCTION	0.094	1.506	0	05:15	0.387	7.19	0.006	
PWOPRMHS0002080	JUNCTION	0.228	0.228	0	05:15	0.91	0.91	-0.001	
PWOPRMHS0002082	JUNCTION	0.398	0.398	0	05:15	1.57	1.57	0.051	
PWOPRMHS0002083	JUNCTION	0.000	0.575	0	05:15	0	2.35	-0.027	
PWOPRMHS0002084	JUNCTION	0.150	0.725	0	05:15	0.557	2.91	0.050	
PWOPRMHS0002085	JUNCTION	0.178	0.178	0	05:15	0.784	0.784	-0.001	
PWOPRMHS0002095	JUNCTION	0.248	0.248	0	05:15	1.12	1.12	-0.008	
PWOPRMHS0003136	JUNCTION	0.015	1.115	0	05:15	0.0668	4.87	-0.000	
PWOPRMHS0003137	JUNCTION	0.055	1.100	0	05:15	0.227	4.8	0.001	
PWOPRMHS0003140	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0003146	JUNCTION	0.025	0.924	0	05:15	0.119	4.05	0.037	
PWOPRMHS0003147	JUNCTION	0.000	0.922	0	05:15	0	4.05	-0.000	
PWOPRMHS0003148	JUNCTION	0.000	0.922	0	05:15	0	4.05	0.000	
PWOPRMHS0003149	JUNCTION	0.126	1.045	0	05:15	0.52	4.57	-0.000	
PWOPRMHS0003153	JUNCTION	0.380	0.380	0	05:15	1.62	1.62	-0.001	
PWOPRMHS0003160	JUNCTION	0.226	0.226	0	05:15	1	1	-0.001	
PWOPRMHS0004129	JUNCTION	0.238	0.238	0	05:15	0.999	0.999	-0.008	
PWOPRMHS0004130	JUNCTION	0.023	0.522	0	05:15	0.11	2.21	-0.002	
PWOPRMHS0004131	JUNCTION	0.021	0.543	0	05:15	0.108	2.32	0.021	
PWOPRMHS0004132	JUNCTION	0.031	1.491	0	05:15	0.181	6.39	0.008	
PWOPRMHS0004133	JUNCTION	0.041	0.504	0	05:15	0.185	2.11	-0.001	
PWOPRMHS0004134	JUNCTION	0.000	0.463	0	05:15	0	1.92	0.001	
PWOPRMHS0004135	JUNCTION	0.155	0.464	0	05:15	0.649	1.92	-0.007	
PWOPRMHS0004137	JUNCTION	0.034	0.310	0	05:15	0.139	1.27	0.009	
PWOPRMHS0004141	JUNCTION	0.000	1.670	0	05:15	0	7.22	-0.005	
PWOPRMHS0004142	JUNCTION	0.182	1.863	0	05:15	0.902	8.23	-0.014	
PWOPRMHS0004143	JUNCTION	0.180	0.180	0	05:15	0.834	0.834	0.009	
PWOPRMHS0004146	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0004159	JUNCTION	0.261	0.261	0	05:15	1.1	1.1	-0.002	
PWOPRMHS0004201	JUNCTION	0.415	0.415	0	05:15	1.78	1.78	-0.001	
PWOPRMHS0004998	JUNCTION	0.007	0.007	0	05:15	0.0516	0.0516	-0.020	
PWOPRMHS0004999	JUNCTION	0.004	0.004	0	05:15	0.0258	0.0258	-0.000	
PWOPRMHS0005000	JUNCTION	0.025	0.323	0	05:15	0.18	1.99	-0.045	
PWOPRMHS0005001	JUNCTION	0.294	0.294	0	05:15	1.79	1.79	-0.001	
PWOPRMHS0005003	JUNCTION	0.103	2.287	0	05:15	0.349	10.6	0.052	
PWOPRMHS0005008	JUNCTION	0.061	0.093	0	05:15	0.27	0.408	-0.000	
PWOPRMHS0005009	JUNCTION	0.032	0.032	0	05:15	0.138	0.138	-0.003	
PWOPRMHS0005010	JUNCTION	0.000	0.093	0	05:15	0	0.408	0.243	
PWOPRMHS0005011	JUNCTION	0.090	0.278	0	05:15	0.327	1.13	-0.079	
PWOPRMHS0005012	JUNCTION	0.096	0.096	0	05:15	0.4	0.4	-0.116	
PWOPRMHS0005013	JUNCTION	0.000	0.277	0	05:15	0	1.14	0.001	
PWOPRMHS0005178	JUNCTION	0.014	0.014	0	05:15	0.103	0.103	-0.193	
PWOPRMHS0005179	JUNCTION	0.077	1.078	0	05:15	0.32	4.79	-0.001	
PWOPRMHS0005181	JUNCTION	0.043	1.002	0	05:15	0.156	4.47	-0.025	
PWOPRMHS0005183	JUNCTION	0.013	0.960	0	05:15	0.0905	4.31	0.034	
PWOPRMHS0005188	JUNCTION	0.616	0.616	0	05:15	2.75	2.75	-0.005	
PWOPRMHS0005196	JUNCTION	0.331	0.331	0	05:15	1.48	1.48	-0.001	
PWOPRMHS0005223	JUNCTION	0.039	1.116	0	05:15	0.155	4.94	0.003	
PWOPRMHS0005226	JUNCTION	0.065	1.179	0	05:15	0.246	5.19	-0.004	
PWOPRMHS0005229	JUNCTION	0.020	0.212	0	05:15	0.084	0.827	0.011	
PWOPRMHS0005230	JUNCTION	0.033	1.423	0	05:15	0.135	6.15	-0.155	
PWOPRMHS0005231	JUNCTION	0.192	0.192	0	05:15	0.743	0.743	-0.005	
PWOPRMHS0005906	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0005908	JUNCTION	0.071	0.071	0	05:15	0.333	0.333	-0.001	
PWOPRMHS0005909	JUNCTION	0.235	0.306	0	05:15	1.14	1.47	0.031	

PWOPRMHS0005910	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0005911	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0005924	JUNCTION	0.169	0.169	0	05:15	0.691	0.691	-0.002	
PWOPRMHS0005926	JUNCTION	0.066	0.371	0	05:15	0.299	1.77	-0.026	
PWOPRMHS0005927	JUNCTION	0.067	0.606	0	05:15	0.314	2.78	0.165	
PWOPRMHS0005930	JUNCTION	0.132	1.139	0	05:15	0.519	5.28	-0.289	
PWOPRMHS0005931	JUNCTION	0.047	0.284	0	05:15	0.303	1.44	0.022	
PWOPRMHS0005932	JUNCTION	0.120	0.120	0	05:15	0.547	0.547	0.062	
PWOPRMHS0005944	JUNCTION	0.056	0.056	0	05:15	0.256	0.256	-0.010	
PWOPRMHS0005945	JUNCTION	0.000	0.238	0	05:15	0	1.14	0.001	
PWOPRMHS0005946	JUNCTION	0.182	0.182	0	05:15	0.88	0.88	-0.001	
SWMPOND	JUNCTION	0.248	2.415	0	05:14	1.1	11.7	-0.092	
A1_OVERFLOW	OUTFALL	0.000	1.878	0	05:15	0	3.19	0.000	
A2_OVERFLOW	OUTFALL	0.000	2.208	0	05:16	0	6.13	0.000	
A3_OVERFLOW	OUTFALL	0.000	13.176	0	05:15	0	116	0.000	
A4_OVERFLOW	OUTFALL	0.000	72.833	0	07:20	0	2.01e+03	0.000	
B1_OVERFLOW	OUTFALL	0.000	0.786	0	05:16	0	0.943	0.000	
B2_OVERFLOW	OUTFALL	0.000	5.753	0	05:18	0	25.2	0.000	
C1_OVERFLOW	OUTFALL	0.000	19.486	0	05:15	0	120	0.000	
D1_OVERFLOW	OUTFALL	0.000	12.113	0	05:16	0	63.2	0.000	
D2_OVERFLOW	OUTFALL	0.000	9.349	0	05:15	0	110	0.000	
D3_OVERFLOW	OUTFALL	0.000	16.694	0	07:45	0	293	0.000	
D4_OVERFLOW	OUTFALL	0.000	9.965	0	06:31	0	207	0.000	
E1_OVERFLOW	OUTFALL	0.000	124.418	0	13:16	0	5.46e+03	0.000	
E2_OVERFLOW	OUTFALL	0.000	56.045	0	16:47	0	2.58e+03	0.000	
HanlonCreek	OUTFALL	0.000	10.005	0	16:58	0	668	0.000	
S_A1	STORAGE	0.000	3.884	0	05:15	0	31.1	-0.000	
S_A1.1FRST	STORAGE	0.288	0.288	0	05:15	1.25	1.25	0.000	
S_A2	STORAGE	0.000	4.950	0	05:16	0	45.5	0.003	
S_A2.1FRST	STORAGE	0.352	0.352	0	05:15	0.723	0.723	0.001	
S_A2.2FRST	STORAGE	0.253	0.253	0	05:30	0.303	0.303	0.003	
S_A3	STORAGE	0.000	6.567	0	05:15	0	108	0.057	
S_A3.1FRST	STORAGE	1.192	1.192	0	05:15	2.71	2.71	0.001	
S_A3.2FRST	STORAGE	0.743	0.743	0	05:30	1.26	1.26	0.002	
S_A3.3FRST	STORAGE	2.021	2.021	0	05:30	2.55	2.55	0.003	
S_A4	STORAGE	0.000	10.600	0	07:52	0	438	0.002	
S_A4.1FRST	STORAGE	0.668	0.668	0	05:30	1.57	1.57	0.002	
S_A4.2FRST	STORAGE	1.743	1.743	0	05:15	3.88	3.88	0.001	
S_A4.3FRST	STORAGE	0.041	0.041	0	07:45	0.15	0.15	-0.000	
S_A4.4FRST	STORAGE	0.583	0.583	0	05:30	1.22	1.22	0.001	
S_A4.5FRST	STORAGE	1.332	1.332	0	05:15	4.93	4.93	0.000	
S_A4.6FRST	STORAGE	0.432	0.432	0	08:15	0.817	0.817	-0.000	
S_B1	STORAGE	0.000	4.241	0	05:16	0	22.7	0.003	
S_B1.1FRST	STORAGE	0.369	0.369	0	05:30	1.52	1.52	0.000	
S_B2	STORAGE	0.000	6.048	0	05:18	0	48.7	0.003	
S_B2.1FRST	STORAGE	0.903	0.903	0	05:30	3.81	3.81	0.001	
S_C1	STORAGE	0.000	6.964	0	05:15	0	94.1	-0.035	
S_C1.1FRST	STORAGE	0.123	0.123	0	06:00	0.369	0.369	0.000	
S_D1	STORAGE	0.000	6.537	0	05:15	0	84.6	-0.008	
S_D1.1FRST	STORAGE	1.359	1.359	0	06:30	2.28	2.28	0.000	
S_D2	STORAGE	0.000	5.934	0	05:15	0	147	-0.006	
S_D2.1FRST	STORAGE	0.337	0.337	0	06:45	0.903	0.903	0.000	
S_D3	STORAGE	0.000	5.084	0	07:15	0	133	0.000	
S_D4	STORAGE	0.000	5.704	0	05:15	0	169	0.002	
S_D4.1FRST	STORAGE	0.528	0.528	0	06:30	0.9	0.9	0.000	
S_E1	STORAGE	0.000	11.280	0	12:19	0	648	0.013	
S_E1.1FRST	STORAGE	2.562	2.562	0	05:30	6.27	6.27	0.002	

S_E2	STORAGE	0.000	10.086	0	16:47	0	651	0.000
S_E2.1FRST	STORAGE	0.100	0.100	0	05:00	0.289	0.289	0.001

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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
S_A1	0.022	0	0	0	0.497	0	0 05:16	3.896
S_A1.1FRST	0.001	1	0	0	0.048	24	0 05:16	0.286
S_A2	0.977	0	0	0	12.557	5	0 06:10	3.749
S_A2.1FRST	0.001	0	0	0	0.065	33	0 05:18	0.286
S_A2.2FRST	0.001	0	0	0	0.057	29	0 05:34	0.183
S_A3	2.160	0	0	0	11.848	1	0 06:39	4.940
S_A3.1FRST	0.004	1	0	0	0.258	32	0 05:19	0.965
S_A3.2FRST	0.004	1	0	0	0.228	33	0 05:34	0.538
S_A3.3FRST	0.027	1	0	0	1.111	33	0 05:38	0.921
S_A4	14.304	1	0	0	38.104	2	0 08:21	10.296
S_A4.1FRST	0.006	1	0	0	0.290	32	0 05:34	0.486
S_A4.2FRST	0.011	1	0	0	0.555	33	0 05:21	1.162
S_A4.3FRST	0.000	0	0	0	0.006	3	0 07:46	0.039
S_A4.4FRST	0.001	1	0	0	0.049	25	0 05:30	0.554
S_A4.5FRST	0.007	1	0	0	0.260	32	0 05:17	1.253
S_A4.6FRST	0.000	0	0	0	0.014	7	0 08:15	0.418
S_B1	0.045	0	0	0	0.961	2	0 05:18	4.224
S_B1.1FRST	0.002	1	0	0	0.061	30	0 05:30	0.356
S_B2	0.986	1	0	0	12.838	17	0 05:54	4.155
S_B2.1FRST	0.018	1	0	0	0.641	32	0 05:31	0.789
S_C1	0.200	0	0	0	2.407	4	0 05:21	6.695
S_C1.1FRST	0.000	0	0	0	0.018	9	0 06:02	0.108
S_D1	0.603	0	0	0	6.076	2	0 05:27	5.271
S_D1.1FRST	0.001	0	0	0	0.056	28	0 06:30	1.317
S_D2	0.491	0	0	0	2.447	1	0 05:19	5.071
S_D2.1FRST	0.001	0	0	0	0.030	15	0 06:45	0.323
S_D3	1.523	1	0	0	9.694	8	0 08:11	4.981
S_D4	1.550	2	0	0	6.318	9	0 05:20	5.370
S_D4.1FRST	0.001	0	0	0	0.043	22	0 06:30	0.501
S_E1	7.607	12	0	0	16.882	27	0 12:43	13.497

S_E1.1FRST	0.054	1	0	0	1.796	32	0	05:34	1.714
S_E2	1.214	6	0	0	2.396	12	0	16:53	10.008
S_E2.1FRST	0.001	1	0	0	0.046	23	0	05:34	0.072

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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
A1_OVERFLOW	2.20	1.009	1.878	3.188
A2_OVERFLOW	3.79	1.127	2.208	6.125
A3_OVERFLOW	14.14	5.934	13.176	115.986
A4_OVERFLOW	45.19	34.190	72.833	2007.587
B1_OVERFLOW	1.45	0.453	0.786	0.943
B2_OVERFLOW	5.80	3.079	5.753	25.233
C1_OVERFLOW	11.00	7.704	19.486	119.501
D1_OVERFLOW	10.99	4.060	12.113	63.189
D2_OVERFLOW	24.64	3.259	9.349	110.059
D3_OVERFLOW	22.30	9.981	16.694	293.430
D4_OVERFLOW	26.36	5.938	9.965	206.764
E1_OVERFLOW	63.81	69.177	124.418	5456.768
E2_OVERFLOW	64.19	32.761	56.045	2579.096
HanlonCreek	99.59	5.288	10.005	668.402
System	28.25	183.960	10.005	11656.272

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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
1	CONDUIT	5.060	0	05:15	3.02	0.05	0.21
10	CONDUIT	10.808	0	05:23	1.38	0.51	0.71
11	CONDUIT	9.577	0	05:16	3.56	0.18	0.31
12	CONDUIT	4.155	0	05:54	2.95	0.35	0.43
13	CONDUIT	4.224	0	05:18	2.99	0.05	0.18
14	CONDUIT	4.223	0	05:18	1.96	0.03	0.28
15	CONDUIT	6.502	0	05:18	2.65	0.07	0.42
16	CONDUIT	29.648	0	05:15	3.65	0.29	0.67
17	CONDUIT	6.629	0	05:23	1.53	0.08	0.60
18	CONDUIT	51.714	0	05:17	8.69	0.48	0.55
19	CONDUIT	11.406	0	05:19	3.91	0.10	0.33
2	CONDUIT	3.896	0	05:19	2.03	0.03	0.25
20	CONDUIT	11.409	0	05:20	3.16	0.10	0.40
21	CONDUIT	18.919	0	05:20	4.04	0.23	0.41
22	CONDUIT	13.497	0	12:44	2.95	0.34	0.47
23	CONDUIT	14.012	0	12:45	3.75	0.50	0.40

24	CONDUIT	10.008	0	16:53	5.43	0.05	0.23
25	CONDUIT	0.000	0	00:00	0.00	0.00	0.16
26	CONDUIT	4.988	0	08:34	1.89	0.17	0.31
27	CONDUIT	12.933	0	05:15	4.78	0.11	0.31
28	CONDUIT	5.271	0	05:27	3.33	0.05	0.20
29	CONDUIT	5.070	0	05:20	3.08	0.06	0.21
3	CONDUIT	6.313	0	05:15	2.67	0.13	0.28
30	CONDUIT	5.070	0	05:20	3.07	0.04	0.21
31	CONDUIT	5.070	0	05:21	2.66	0.05	0.23
32	CONDUIT	5.370	0	05:21	2.70	0.11	0.24
33	CONDUIT	5.370	0	05:21	3.11	0.05	0.22
34	CONDUIT	5.368	0	05:22	3.18	0.05	0.22
35	CONDUIT	6.882	0	05:18	2.29	0.06	0.34
36	CONDUIT	3.884	0	05:15	2.78	0.05	0.19
37	CONDUIT	4.981	0	08:32	1.62	0.07	0.34
38	CONDUIT	5.269	0	05:28	2.87	0.04	0.23
39	CONDUIT	5.934	0	05:15	3.20	0.11	0.23
4	CONDUIT	3.749	0	06:11	2.42	0.04	0.20
40	CONDUIT	5.071	0	05:19	3.21	0.04	0.20
41	CONDUIT	10.007	0	16:55	2.88	0.07	0.37
43	CONDUIT	0.444	0	05:08	0.52	0.00	0.13
44	CONDUIT	10.600	0	07:52	3.61	0.15	0.36
45	CONDUIT	72.833	0	07:20	8.58	0.13	0.28
46	CONDUIT	1.878	0	05:15	6.37	0.00	0.01
47	CONDUIT	10.296	0	08:21	3.71	0.11	0.31
48	CONDUIT	4.950	0	05:16	3.89	0.06	0.19
49	CONDUIT	2.208	0	05:16	1.98	0.00	0.04
5	CONDUIT	3.750	0	06:12	2.17	0.05	0.24
50	CONDUIT	6.567	0	05:15	3.60	0.14	0.23
51	CONDUIT	13.176	0	05:15	3.04	0.04	0.14
52	CONDUIT	4.241	0	05:16	2.64	0.05	0.21
53	CONDUIT	0.786	0	05:16	1.50	0.00	0.02
54	CONDUIT	6.964	0	05:15	2.79	0.10	0.29
55	CONDUIT	19.486	0	05:15	4.27	0.05	0.15
56	CONDUIT	5.753	0	05:18	3.12	0.01	0.06
57	CONDUIT	6.048	0	05:18	3.87	0.06	0.24
58	CONDUIT	5.084	0	07:15	2.24	0.08	0.31
59	CONDUIT	16.694	0	07:45	3.73	0.04	0.15
6	CONDUIT	7.865	0	05:16	3.18	0.08	0.29
60	CONDUIT	6.537	0	05:15	3.15	0.11	0.25
61	CONDUIT	12.113	0	05:16	2.85	0.04	0.14
62	CONDUIT	9.349	0	05:15	2.65	0.03	0.12
63	CONDUIT	4.858	0	07:16	2.39	0.06	0.26
64	CONDUIT	9.965	0	06:31	4.18	0.02	0.08
65	CONDUIT	10.086	0	16:47	4.22	0.13	0.28
66	CONDUIT	56.045	0	16:47	8.36	0.09	0.22
67	CONDUIT	124.418	0	13:16	12.02	0.18	0.34
68	CONDUIT	11.280	0	12:19	2.72	0.08	0.45
7	CONDUIT	4.940	0	06:39	2.37	0.04	0.48
70	CONDUIT	10.005	0	16:58	2.31	0.40	0.44
8	CONDUIT	40.081	0	05:16	4.17	0.39	0.56
9	CONDUIT	6.695	0	05:21	2.26	0.08	0.33
PWOPRSES0001498	CONDUIT	0.226	0	05:15	1.20	0.03	0.11
PWOPRSES0001507	CONDUIT	0.385	0	05:15	1.43	0.04	0.14
PWOPRSES0001510	CONDUIT	0.240	0	05:15	1.15	0.02	0.12
PWOPRSES0001511	CONDUIT	0.190	0	05:15	1.23	0.02	0.10
PWOPRSES0001512	CONDUIT	0.000	0	00:00	0.00	0.00	0.00

PWOPRSES0001515	CONDUIT	0.000	0	00:00	0.00	0.00	0.01
PWOPRSES0001516	CONDUIT	0.152	0	05:15	1.74	0.01	0.07
PWOPRSES0001518	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
PWOPRSES0001519	CONDUIT	0.787	0	05:15	1.54	0.05	0.17
PWOPRSES0001520	CONDUIT	0.164	0	05:16	1.07	0.02	0.10
PWOPRSES0001521	CONDUIT	0.164	0	05:15	1.13	0.02	0.09
PWOPRSES0001522	CONDUIT	0.076	0	05:15	0.84	0.01	0.07
PWOPRSES0001524	CONDUIT	0.089	0	05:15	1.43	0.00	0.05
PWOPRSES0001525	CONDUIT	0.215	0	05:15	1.19	0.02	0.11
PWOPRSES0001530	CONDUIT	0.624	0	05:15	1.28	0.04	0.16
PWOPRSES0001534	CONDUIT	1.298	0	05:15	1.57	0.09	0.24
PWOPRSES0001535	CONDUIT	1.188	0	05:15	1.65	0.07	0.21
PWOPRSES0001536	CONDUIT	1.003	0	05:16	1.73	0.06	0.18
PWOPRSES0001537	CONDUIT	1.003	0	05:15	1.69	0.06	0.18
PWOPRSES0001538	CONDUIT	0.215	0	05:15	0.88	0.01	0.13
PWOPRSES0001541	CONDUIT	0.226	0	05:15	1.27	0.02	0.11
PWOPRSES0001542	CONDUIT	0.225	0	05:15	1.32	0.02	0.10
PWOPRSES0001543	CONDUIT	0.330	0	05:15	0.29	0.01	0.25
PWOPRSES0001544	CONDUIT	0.460	0	05:15	0.66	0.02	0.15
PWOPRSES0001545	CONDUIT	0.218	0	05:15	1.20	0.02	0.11
PWOPRSES0001546	CONDUIT	0.869	0	05:15	3.44	0.03	0.13
PWOPRSES0001547	CONDUIT	0.746	0	05:15	1.95	0.06	0.18
PWOPRSES0001548	CONDUIT	0.047	0	05:15	1.90	0.00	0.03
PWOPRSES0001551	CONDUIT	0.747	0	05:15	2.65	0.03	0.15
PWOPRSES0001555	CONDUIT	0.955	0	05:15	4.63	0.03	0.12
PWOPRSES0001556	CONDUIT	1.024	0	05:15	3.28	0.03	0.16
PWOPRSES0001557	CONDUIT	0.350	0	05:15	2.64	0.00	0.09
PWOPRSES0001558	CONDUIT	2.442	0	05:15	1.72	0.12	0.33
PWOPRSES0001559	CONDUIT	2.406	0	05:15	3.90	0.07	0.25
PWOPRSES0001564	CONDUIT	1.024	0	05:15	2.77	0.03	0.21
PWOPRSES0001565	CONDUIT	3.960	0	05:16	2.07	0.29	0.41
PWOPRSES0001566	CONDUIT	2.888	0	05:15	1.64	0.19	0.39
PWOPRSES0001567	CONDUIT	0.054	0	05:15	1.12	0.00	0.03
PWOPRSES0001571	CONDUIT	0.000	0	00:00	0.00	0.00	0.04
PWOPRSES0001572	CONDUIT	2.121	0	05:15	4.19	0.10	0.22
PWOPRSES0001575	CONDUIT	1.798	0	05:15	1.39	0.11	0.32
PWOPRSES0001576	CONDUIT	0.502	0	05:15	0.97	0.06	0.22
PWOPRSES0001577	CONDUIT	1.298	0	05:15	1.44	0.07	0.25
PWOPRSES0001579	CONDUIT	0.152	0	05:15	1.67	0.01	0.07
PWOPRSES0001580	CONDUIT	0.189	0	05:15	1.88	0.01	0.07
PWOPRSES0001581	CONDUIT	0.189	0	05:15	1.48	0.01	0.08
PWOPRSES0001582	CONDUIT	0.230	0	05:15	1.44	0.02	0.10
PWOPRSES0001583	CONDUIT	0.000	0	00:00	0.00	0.00	0.01
PWOPRSES0001584	CONDUIT	0.108	0	05:15	1.78	0.00	0.05
PWOPRSES0001585	CONDUIT	0.230	0	05:15	1.26	0.02	0.11
PWOPRSES0001586	CONDUIT	0.165	0	05:15	1.46	0.01	0.08
PWOPRSES0001587	CONDUIT	0.338	0	05:15	1.59	0.02	0.12
PWOPRSES0001633	CONDUIT	0.241	0	05:15	1.51	0.03	0.10
PWOPRSES0001634	CONDUIT	0.039	0	05:15	1.02	0.00	0.04
PWOPRSES0001654	CONDUIT	1.475	0	05:15	1.83	0.16	0.30
PWOPRSES0001655	CONDUIT	1.883	0	05:15	2.71	0.14	0.27
PWOPRSES0001656	CONDUIT	1.969	0	05:16	2.97	0.15	0.26
PWOPRSES0001658	CONDUIT	1.387	0	05:15	1.74	0.16	0.30
PWOPRSES0001660	CONDUIT	1.615	0	05:16	1.80	0.20	0.33
PWOPRSES0001662	CONDUIT	0.193	0	05:15	1.67	0.01	0.08
PWOPRSES0001663	CONDUIT	0.193	0	05:15	1.47	0.02	0.09
PWOPRSES0001667	CONDUIT	2.443	0	05:15	2.48	0.17	0.35

PWOPRSES0001679	CONDUIT	0.123	0	05:15	1.56	0.01	0.06
PWOPRSES0001680	CONDUIT	0.344	0	05:15	2.44	0.01	0.09
PWOPRSES0001681	CONDUIT	0.301	0	05:15	3.37	0.01	0.07
PWOPRSES0001682	CONDUIT	0.839	0	05:15	1.95	0.08	0.19
PWOPRSES0001684	CONDUIT	0.179	0	05:15	1.39	0.01	0.08
PWOPRSES0001687	CONDUIT	0.105	0	05:15	2.02	0.00	0.05
PWOPRSES0001688	CONDUIT	0.474	0	05:15	2.81	0.02	0.10
PWOPRSES0001698	CONDUIT	0.474	0	05:15	2.49	0.02	0.11
PWOPRSES0001699	CONDUIT	0.474	0	05:15	2.42	0.02	0.11
PWOPRSES0001711	CONDUIT	0.370	0	05:15	1.55	0.04	0.13
PWOPRSES0001712	CONDUIT	0.199	0	05:15	1.82	0.01	0.09
PWOPRSES0001713	CONDUIT	0.615	0	05:15	1.37	0.06	0.20
PWOPRSES0001718	CONDUIT	0.384	0	05:15	1.24	0.06	0.18
PWOPRSES0001720	CONDUIT	0.102	0	05:15	1.19	0.01	0.06
PWOPRSES0001721	CONDUIT	0.239	0	05:15	1.30	0.02	0.11
PWOPRSES0001724	CONDUIT	3.264	0	05:15	1.78	0.22	0.40
PWOPRSES0001725	CONDUIT	3.263	0	05:16	1.85	0.17	0.40
PWOPRSES0001728	CONDUIT	3.403	0	05:16	2.06	0.17	0.38
PWOPRSES0001730	CONDUIT	4.046	0	05:15	3.80	0.22	0.28
PWOPRSES0001732	CONDUIT	0.100	0	05:15	1.49	0.01	0.05
PWOPRSES0001733	CONDUIT	0.645	0	05:15	1.31	0.17	0.21
PWOPRSES0001744	CONDUIT	1.543	0	05:15	1.72	0.15	0.33
PWOPRSES0001745	CONDUIT	1.150	0	05:15	3.10	0.04	0.18
PWOPRSES0001747	CONDUIT	0.057	0	05:15	1.78	0.00	0.03
PWOPRSES0001748	CONDUIT	1.284	0	05:15	1.86	0.07	0.27
PWOPRSES0001750	CONDUIT	1.933	0	05:15	1.57	0.15	0.42
PWOPRSES0001753	CONDUIT	1.907	0	05:15	1.72	0.13	0.38
PWOPRSES0001754	CONDUIT	0.057	0	05:15	0.98	0.00	0.05
PWOPRSES0001755	CONDUIT	1.514	0	05:15	1.67	0.17	0.33
PWOPRSES0001756	CONDUIT	1.543	0	05:15	1.86	0.17	0.31
PWOPRSES0001757	CONDUIT	1.506	0	05:15	1.88	0.16	0.30
PWOPRSES0001758	CONDUIT	0.058	0	05:15	1.01	0.00	0.05
PWOPRSES0001759	CONDUIT	1.589	0	05:16	1.92	0.13	0.31
PWOPRSES0001760	CONDUIT	1.641	0	05:16	2.15	0.15	0.29
PWOPRSES0001761	CONDUIT	0.190	0	05:15	1.19	0.02	0.10
PWOPRSES0001765A	CONDUIT	0.521	0	05:15	1.14	0.06	0.20
PWOPRSES0001765B	CONDUIT	1.037	0	05:15	1.90	0.11	0.23
PWOPRSES0001766	CONDUIT	0.518	0	05:15	2.39	0.03	0.12
PWOPRSES0001768	CONDUIT	0.319	0	05:15	1.83	0.02	0.10
PWOPRSES0001770	CONDUIT	0.380	0	05:15	1.61	0.03	0.13
PWOPRSES0001771	CONDUIT	0.248	0	05:15	2.75	0.01	0.07
PWOPRSES0001774	CONDUIT	1.926	0	05:16	1.04	0.23	0.48
PWOPRSES0001775	CONDUIT	3.070	0	05:16	1.21	0.02	0.39
PWOPRSES0001776	CONDUIT	0.636	0	05:15	0.80	0.07	0.34
PWOPRSES0001777	CONDUIT	0.198	0	05:15	1.15	0.02	0.11
PWOPRSES0001778	CONDUIT	0.371	0	05:15	1.19	0.05	0.16
PWOPRSES0001779	CONDUIT	2.619	0	05:15	2.37	0.04	0.29
PWOPRSES0001780	CONDUIT	0.244	0	05:15	1.31	0.02	0.11
PWOPRSES0001781	CONDUIT	0.000	0	00:00	0.00	0.00	0.05
PWOPRSES0001782	CONDUIT	0.352	0	05:15	1.30	0.03	0.14
PWOPRSES0001783	CONDUIT	0.176	0	05:15	1.27	0.02	0.09
PWOPRSES0001784	CONDUIT	3.373	0	05:15	2.29	0.34	0.48
PWOPRSES0001785	CONDUIT	2.282	0	05:16	2.27	0.20	0.36
PWOPRSES0001786	CONDUIT	0.343	0	05:15	1.51	0.03	0.14
PWOPRSES0001790	CONDUIT	0.161	0	05:14	0.99	0.02	0.12
PWOPRSES0001791	CONDUIT	0.407	0	05:14	1.49	0.04	0.21
PWOPRSES0001797	CONDUIT	3.370	0	05:16	2.23	0.44	0.49

PWOPRSES0001798	CONDUIT	3.405	0	05:16	4.38	0.06	0.17
PWOPRSES0001803	CONDUIT	0.244	0	05:14	0.56	0.03	0.22
PWOPRSES0001806	CONDUIT	0.766	0	05:15	2.30	0.06	0.16
PWOPRSES0001807	CONDUIT	1.937	0	05:15	1.74	0.17	0.30
PWOPRSES0001808	CONDUIT	0.067	0	05:15	1.14	0.00	0.05
PWOPRSES0001809	CONDUIT	0.706	0	05:15	1.91	0.06	0.18
PWOPRSES0001810	CONDUIT	0.000	0	00:00	0.00	0.00	0.03
PWOPRSES0001812	CONDUIT	0.766	0	05:15	1.41	0.06	0.23
PWOPRSES0001819	CONDUIT	0.398	0	05:15	2.24	0.02	0.11
PWOPRSES0001821	CONDUIT	0.575	0	05:15	2.25	0.04	0.14
PWOPRSES0001822	CONDUIT	0.178	0	05:15	2.69	0.01	0.05
PWOPRSES0001823	CONDUIT	0.724	0	05:15	1.48	0.08	0.21
PWOPRSES0001824	CONDUIT	1.963	0	05:15	1.84	0.25	0.37
PWOPRSES0001825	CONDUIT	1.096	0	05:15	1.80	0.13	0.25
PWOPRSES0001826	CONDUIT	0.759	0	05:15	1.37	0.18	0.23
PWOPRSES0001827	CONDUIT	1.150	0	05:15	1.66	0.13	0.27
PWOPRSES0001828	CONDUIT	1.179	0	05:16	1.60	0.11	0.29
PWOPRSES0001829	CONDUIT	3.272	0	05:15	1.43	0.06	0.28
PWOPRSES0001840	CONDUIT	0.747	0	05:12	1.46	0.06	0.29
PWOPRSES0001841	CONDUIT	2.096	0	05:12	2.32	0.11	0.38
PWOPRSES0001842	CONDUIT	1.287	0	05:15	2.15	0.04	0.33
PWOPRSES0001844	CONDUIT	0.096	0	05:15	1.37	0.00	0.07
PWOPRSES0001845	CONDUIT	0.228	0	05:15	1.58	0.02	0.09
PWOPRSES0001855	CONDUIT	0.739	0	05:15	2.85	0.03	0.14
PWOPRSES0001856	CONDUIT	0.288	0	05:15	2.81	0.01	0.07
PWOPRSES0001861	CONDUIT	0.068	0	05:15	1.21	0.00	0.05
PWOPRSES0001862	CONDUIT	0.221	0	05:15	1.95	0.01	0.08
PWOPRSES0001865	CONDUIT	0.407	0	05:15	1.62	0.04	0.13
PWOPRSES0001866	CONDUIT	0.341	0	05:15	3.19	0.01	0.07
PWOPRSES0001868	CONDUIT	0.268	0	05:15	0.84	0.03	0.16
PWOPRSES0001890	CONDUIT	0.515	0	05:15	2.23	0.03	0.13
PWOPRSES0001891	CONDUIT	0.474	0	05:15	1.99	0.03	0.13
PWOPRSES0001892	CONDUIT	0.181	0	05:15	1.03	0.02	0.10
PWOPRSES0001895	CONDUIT	0.321	0	05:15	2.02	0.02	0.10
PWOPRSES0001896	CONDUIT	0.334	0	05:15	2.34	0.02	0.09
PWOPRSES0001897	CONDUIT	0.334	0	05:15	2.02	0.01	0.10
PWOPRSES0001899	CONDUIT	0.240	0	05:15	1.74	0.01	0.09
PWOPRSES0001900	CONDUIT	0.240	0	05:15	1.73	0.01	0.09
PWOPRSES0001904	CONDUIT	0.474	0	05:15	1.34	0.04	0.19
PWOPRSES0001905	CONDUIT	1.243	0	05:15	1.54	0.13	0.32
PWOPRSES0001906	CONDUIT	0.709	0	05:15	1.10	0.07	0.26
PWOPRSES0001919	CONDUIT	0.000	0	00:00	0.00	0.00	0.04
PWOPRSES0001930	CONDUIT	0.292	0	05:15	1.37	0.03	0.12
PWOPRSES0001931	CONDUIT	0.587	0	05:15	1.44	0.09	0.19
PWOPRSES0001932	CONDUIT	0.000	0	00:00	0.00	0.00	0.01
PWOPRSES0001941	CONDUIT	0.643	0	05:15	2.72	0.03	0.13
PWOPRSES0001942	CONDUIT	0.470	0	05:15	2.93	0.02	0.10
PWOPRSES0001943	CONDUIT	0.470	0	05:15	1.71	0.04	0.14
PWOPRSES0001944	CONDUIT	0.470	0	05:15	1.76	0.04	0.14
PWOPRSES0001951	CONDUIT	0.000	0	00:00	0.00	0.00	0.06
PWOPRSES0001952	CONDUIT	0.329	0	05:15	1.51	0.03	0.12
PWOPRSES0001960	CONDUIT	0.329	0	05:15	1.54	0.03	0.12
PWOPRSES0001961	CONDUIT	0.586	0	05:15	2.48	0.03	0.13
PWOPRSES0001962	CONDUIT	0.775	0	05:15	1.37	0.07	0.24
PWOPRSES0001963	CONDUIT	0.258	0	05:15	1.68	0.01	0.12
PWOPRSES0001968	CONDUIT	0.258	0	05:15	3.80	0.01	0.05
PWOPRSES0001972	CONDUIT	0.268	0	05:15	1.21	0.03	0.12

PWOPRSES0001976	CONDUIT	4.106	0	05:17	2.40	0.34	0.38
PWOPRSES0001977	CONDUIT	0.518	0	05:15	1.82	0.04	0.15
PWOPRSES0001978	CONDUIT	4.764	0	05:16	2.94	0.12	0.28
PWOPRSES0001979	CONDUIT	0.518	0	05:15	1.96	0.03	0.14
PWOPRSES0001984	CONDUIT	4.012	0	05:16	2.26	0.29	0.39
PWOPRSES0002119	CONDUIT	0.358	0	05:15	1.45	0.04	0.13
PWOPRSES0002120	CONDUIT	0.417	0	05:15	1.29	0.03	0.16
PWOPRSES0002121	CONDUIT	0.358	0	05:15	1.17	0.05	0.15
PWOPRSES0002122	CONDUIT	0.521	0	05:15	1.65	0.04	0.16
PWOPRSES0003435	CONDUIT	1.100	0	05:15	2.66	0.05	0.19
PWOPRSES0003436	CONDUIT	1.115	0	05:15	2.05	0.10	0.23
PWOPRSES0003439	CONDUIT	0.000	0	00:00	0.00	0.00	0.02
PWOPRSES0003446	CONDUIT	0.922	0	05:15	1.58	0.14	0.24
PWOPRSES0003447	CONDUIT	0.922	0	05:15	4.07	0.03	0.12
PWOPRSES0003448	CONDUIT	0.922	0	05:15	2.64	0.04	0.17
PWOPRSES0003449	CONDUIT	1.045	0	05:15	3.35	0.05	0.16
PWOPRSES0003457	CONDUIT	0.380	0	05:15	1.49	0.03	0.14
PWOPRSES0003465	CONDUIT	0.226	0	05:15	2.20	0.01	0.07
PWOPRSES0003466	CONDUIT	0.673	0	05:15	1.51	0.06	0.20
PWOPRSES0004584	CONDUIT	0.463	0	05:15	2.91	0.02	0.10
PWOPRSES0004585	CONDUIT	0.463	0	05:15	2.30	0.01	0.12
PWOPRSES0004586	CONDUIT	0.504	0	05:15	2.06	0.03	0.13
PWOPRSES0004587	CONDUIT	0.238	0	05:15	1.25	0.02	0.11
PWOPRSES0004588	CONDUIT	0.522	0	05:15	1.71	0.05	0.15
PWOPRSES0004589	CONDUIT	0.310	0	05:15	2.03	0.01	0.10
PWOPRSES0004590	CONDUIT	0.543	0	05:15	1.90	0.03	0.15
PWOPRSES0004591	CONDUIT	1.490	0	05:15	1.97	0.07	0.22
PWOPRSES0004592	CONDUIT	1.669	0	05:15	2.12	0.08	0.23
PWOPRSES0004593	CONDUIT	0.180	0	05:15	1.56	0.01	0.10
PWOPRSES0004594	CONDUIT	1.862	0	05:15	1.58	0.09	0.30
PWOPRSES0004597	CONDUIT	0.000	0	00:00	0.00	0.00	0.02
PWOPRSES0004603	CONDUIT	0.261	0	05:15	1.64	0.02	0.10
PWOPRSES0004637	CONDUIT	0.415	0	05:15	2.77	0.02	0.09
PWOPRSES0005529	CONDUIT	0.007	0	05:15	0.47	0.00	0.04
PWOPRSES0005530	CONDUIT	0.004	0	05:15	0.74	0.00	0.01
PWOPRSES0005531	CONDUIT	0.294	0	05:15	1.13	0.05	0.14
PWOPRSES0005532	CONDUIT	0.323	0	05:15	0.77	0.02	0.24
PWOPRSES0005534	CONDUIT	2.283	0	05:16	2.22	0.25	0.36
PWOPRSES0005535	CONDUIT	0.032	0	05:15	0.83	0.00	0.04
PWOPRSES0005536	CONDUIT	0.093	0	05:15	1.76	0.00	0.05
PWOPRSES0005537	CONDUIT	0.092	0	05:15	1.66	0.00	0.06
PWOPRSES0005539	CONDUIT	0.096	0	05:15	1.15	0.01	0.06
PWOPRSES0005540	CONDUIT	0.277	0	05:15	1.62	0.02	0.10
PWOPRSES0005541	CONDUIT	0.277	0	05:15	1.99	0.02	0.09
PWOPRSES0005710	CONDUIT	4.142	0	05:16	3.17	0.04	0.18
PWOPRSES0005734	CONDUIT	0.014	0	05:15	0.52	0.00	0.12
PWOPRSES0005735	CONDUIT	1.001	0	05:15	1.91	0.10	0.22
PWOPRSES0005736	CONDUIT	0.959	0	05:15	2.64	0.06	0.17
PWOPRSES0005739	CONDUIT	0.616	0	05:15	2.34	0.02	0.14
PWOPRSES0005744	CONDUIT	0.331	0	05:15	1.37	0.01	0.13
PWOPRSES0005766	CONDUIT	1.078	0	05:15	2.18	0.09	0.21
PWOPRSES0005767	CONDUIT	1.116	0	05:15	2.18	0.10	0.22
PWOPRSES0005768	CONDUIT	1.179	0	05:15	2.31	0.10	0.22
PWOPRSES0005769	CONDUIT	1.421	0	05:15	0.62	0.02	0.40
PWOPRSES0005770	CONDUIT	0.192	0	05:15	1.42	0.02	0.09
PWOPRSES0005771	CONDUIT	0.212	0	05:15	1.11	0.01	0.11
PWOPRSES0006537	CONDUIT	0.056	0	05:15	0.48	0.01	0.08

PWOPRSES0006538	CONDUIT	0.000	0	00:00	0.00	0.00	0.05
PWOPRSES0006542	CONDUIT	0.071	0	05:15	0.92	0.01	0.06
PWOPRSES0006547	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
PWOPRSES0006548	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
PWOPRSES0006549	CONDUIT	0.306	0	05:15	1.58	0.03	0.11
PWOPRSES0006550	CONDUIT	0.371	0	05:15	1.46	0.04	0.13
PWOPRSES0006551	CONDUIT	0.168	0	05:15	1.35	0.01	0.08
PWOPRSES0006552	CONDUIT	0.605	0	05:15	1.56	0.06	0.18
PWOPRSES0006553	CONDUIT	1.134	0	05:15	1.35	0.04	0.18
PWOPRSES0006554	CONDUIT	0.284	0	05:15	1.75	0.01	0.11
PWOPRSES0006555	CONDUIT	0.120	0	05:15	0.94	0.01	0.10
PWOPRSES0006576	CONDUIT	0.182	0	05:15	1.34	0.02	0.09
PWOPRSES0006577	CONDUIT	0.237	0	05:15	1.47	0.02	0.10
STMEasement	CONDUIT	0.387	0	05:15	1.14	0.04	0.17
SWMPOND_OUT	CONDUIT	2.413	0	05:13	0.82	0.06	0.45
OUT_A1.1FRST	DUMMY	0.286	0	05:16			
OUT_A2.1FRST	DUMMY	0.286	0	05:18			
OUT_A2.2FRST	DUMMY	0.183	0	05:34			
OUT_A3.1FRST	DUMMY	0.965	0	05:19			
OUT_A3.2FRST	DUMMY	0.538	0	05:34			
OUT_A3.3FRST	DUMMY	0.921	0	05:38			
OUT_A4.1FRST	DUMMY	0.486	0	05:34			
OUT_A4.2FRST	DUMMY	1.162	0	05:21			
OUT_A4.3FRST	DUMMY	0.039	0	07:46			
OUT_A4.4FRST	DUMMY	0.554	0	05:30			
OUT_A4.5FRST	DUMMY	1.253	0	05:17			
OUT_A4.6FRST	DUMMY	0.418	0	08:15			
OUT_B1.1FRST	DUMMY	0.356	0	05:30			
OUT_B2.1FRST	DUMMY	0.789	0	05:31			
OUT_C1.1FRST	DUMMY	0.108	0	06:02			
OUT_D1.1FRST	DUMMY	1.317	0	06:30			
OUT_D2.1FRST	DUMMY	0.323	0	06:45			
OUT_D4.1FRST	DUMMY	0.501	0	06:30			
OUT_E1.1FRST	DUMMY	1.714	0	05:35			
OUT_E2.1FRST	DUMMY	0.072	0	05:34			

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Flow Classification Summary
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Conduit	Adjusted /Actual Length	Dry	Up Dry	Down Dry	Sub Crit	Sup Crit	Up Crit	Down Crit	Norm Ltd	Inlet Ctrl
		---------- Fraction of Time in Flow Class ----------								
1	1.00	0.46	0.01	0.00	0.47	0.06	0.00	0.00	0.97	0.00
10	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.84	0.00
11	1.00	0.14	0.00	0.00	0.83	0.02	0.00	0.00	0.04	0.00
12	1.00	0.29	0.01	0.00	0.59	0.11	0.00	0.00	0.97	0.00
13	1.00	0.19	0.00	0.00	0.65	0.15	0.00	0.00	0.02	0.00
14	1.00	0.14	0.10	0.00	0.76	0.00	0.00	0.00	0.99	0.00
15	1.00	0.28	0.01	0.00	0.56	0.15	0.00	0.00	0.90	0.00
16	1.00	0.00	0.32	0.00	0.65	0.03	0.00	0.00	0.98	0.00
17	1.00	0.00	0.28	0.00	0.72	0.00	0.00	0.00	0.96	0.00
18	1.00	0.00	0.00	0.00	0.86	0.14	0.00	0.00	0.84	0.00
19	1.00	0.00	0.00	0.00	0.28	0.72	0.00	0.00	0.82	0.00

2	1.00	0.17	0.30	0.00	0.52	0.00	0.00	0.00	0.97	0.00
20	1.00	0.00	0.00	0.00	0.53	0.46	0.00	0.00	0.79	0.00
21	1.00	0.00	0.00	0.00	0.88	0.12	0.00	0.00	0.04	0.00
22	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.61	0.00
23	1.00	0.00	0.00	0.00	0.72	0.28	0.00	0.00	0.01	0.00
24	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.96	0.00
25	1.00	0.27	0.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.23	0.00
27	1.00	0.27	0.00	0.00	0.67	0.07	0.00	0.00	0.23	0.00
28	1.00	0.34	0.13	0.00	0.25	0.28	0.00	0.00	0.89	0.00
29	1.00	0.22	0.00	0.00	0.44	0.35	0.00	0.00	0.15	0.00
3	1.00	0.17	0.00	0.00	0.81	0.02	0.00	0.00	0.03	0.00
30	1.00	0.19	0.04	0.00	0.42	0.35	0.00	0.00	0.97	0.00
31	1.00	0.18	0.01	0.00	0.67	0.14	0.00	0.00	0.31	0.00
32	1.00	0.15	0.00	0.00	0.56	0.29	0.00	0.00	0.00	0.00
33	1.00	0.20	0.01	0.00	0.43	0.37	0.00	0.00	0.77	0.00
34	1.00	0.19	0.01	0.00	0.42	0.38	0.00	0.00	0.63	0.00
35	1.00	0.00	0.19	0.00	0.80	0.01	0.00	0.00	0.97	0.00
36	1.00	0.46	0.00	0.00	0.37	0.17	0.00	0.00	0.04	0.00
37	1.00	0.00	0.46	0.00	0.54	0.00	0.00	0.00	0.85	0.00
38	1.00	0.27	0.07	0.00	0.56	0.10	0.00	0.00	0.99	0.00
39	1.00	0.22	0.06	0.00	0.46	0.27	0.00	0.00	0.60	0.00
4	1.00	0.29	0.12	0.00	0.44	0.15	0.00	0.00	0.92	0.00
40	1.00	0.22	0.00	0.00	0.41	0.37	0.00	0.00	0.84	0.00
41	1.00	0.00	0.00	0.00	0.75	0.25	0.00	0.00	0.99	0.00
43	1.00	0.57	0.00	0.00	0.43	0.00	0.00	0.00	0.22	0.00
44	1.00	0.00	0.01	0.00	0.53	0.46	0.00	0.00	0.76	0.00
45	1.00	0.55	0.00	0.00	0.00	0.45	0.00	0.00	0.10	0.00
46	10.96	0.98	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
47	1.00	0.00	0.00	0.00	0.32	0.67	0.00	0.00	0.05	0.00
48	1.00	0.41	0.02	0.00	0.47	0.09	0.00	0.00	0.85	0.00
49	1.00	0.96	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00
5	1.00	0.21	0.09	0.00	0.69	0.02	0.00	0.00	0.91	0.00
50	1.00	0.00	0.27	0.00	0.55	0.18	0.00	0.00	0.83	0.00
51	1.00	0.86	0.00	0.00	0.00	0.14	0.00	0.00	0.04	0.00
52	1.00	0.19	0.42	0.00	0.31	0.08	0.00	0.00	0.88	0.00
53	1.20	0.99	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
54	1.00	0.39	0.30	0.00	0.19	0.12	0.00	0.00	0.91	0.00
55	1.00	0.89	0.00	0.00	0.00	0.11	0.00	0.00	0.04	0.00
56	1.00	0.94	0.00	0.00	0.00	0.06	0.00	0.00	0.02	0.00
57	1.00	0.29	0.10	0.00	0.54	0.07	0.00	0.00	0.91	0.00
58	1.00	0.46	0.13	0.00	0.41	0.00	0.00	0.00	0.79	0.00
59	1.00	0.78	0.00	0.00	0.00	0.22	0.00	0.00	0.07	0.00
6	1.00	0.21	0.00	0.00	0.74	0.05	0.00	0.00	0.43	0.00
60	1.00	0.47	0.07	0.00	0.35	0.12	0.00	0.00	0.77	0.00
61	1.00	0.89	0.00	0.00	0.00	0.11	0.00	0.00	0.02	0.00
62	1.00	0.75	0.00	0.00	0.00	0.24	0.00	0.00	0.04	0.00
63	1.00	0.15	0.12	0.00	0.71	0.02	0.00	0.00	0.81	0.00
64	1.27	0.74	0.00	0.00	0.00	0.26	0.00	0.00	0.07	0.00
65	1.17	0.00	0.00	0.00	0.25	0.75	0.00	0.00	0.36	0.00
66	1.49	0.36	0.00	0.00	0.00	0.64	0.00	0.00	0.14	0.00
67	1.68	0.36	0.00	0.00	0.00	0.64	0.00	0.00	0.18	0.00
68	1.46	0.00	0.00	0.00	0.97	0.03	0.00	0.00	0.63	0.00
7	1.00	0.00	0.00	0.00	0.95	0.05	0.00	0.00	0.99	0.00
70	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
8	1.00	0.00	0.00	0.00	0.91	0.08	0.00	0.00	0.00	0.00
9	1.00	0.01	0.38	0.00	0.61	0.00	0.00	0.00	0.95	0.00

PWOPRSES0001498	1.00	0.00	0.00	0.00	0.06	0.06	0.00	0.87	0.00	0.00
PWOPRSES0001507	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001510	1.00	0.00	0.00	0.00	0.02	0.01	0.00	0.97	0.00	0.00
PWOPRSES0001511	1.00	0.00	0.00	0.00	0.00	0.15	0.00	0.85	0.00	0.00
PWOPRSES0001512	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001515	1.00	0.98	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001516	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001518	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001519	1.00	0.71	0.00	0.00	0.03	0.00	0.00	0.26	0.00	0.00
PWOPRSES0001520	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001521	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001522	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001524	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001525	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001530	1.00	0.71	0.00	0.00	0.27	0.00	0.00	0.02	0.15	0.00
PWOPRSES0001534	1.00	0.71	0.00	0.00	0.04	0.00	0.00	0.25	0.00	0.00
PWOPRSES0001535	1.00	0.71	0.00	0.00	0.29	0.00	0.00	0.00	0.18	0.00
PWOPRSES0001536	1.00	0.71	0.00	0.00	0.03	0.00	0.00	0.25	0.00	0.00
PWOPRSES0001537	1.00	0.71	0.00	0.00	0.17	0.00	0.00	0.12	0.00	0.00
PWOPRSES0001538	1.00	0.71	0.01	0.00	0.28	0.00	0.00	0.00	1.00	0.00
PWOPRSES0001541	1.00	0.00	0.00	0.00	0.96	0.03	0.00	0.00	0.14	0.00
PWOPRSES0001542	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001543	1.00	0.00	0.69	0.00	0.31	0.00	0.00	0.00	0.99	0.00
PWOPRSES0001544	1.00	0.19	0.48	0.00	0.33	0.00	0.00	0.00	0.98	0.00
PWOPRSES0001545	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001546	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001547	1.00	0.00	0.00	0.00	0.00	0.12	0.00	0.88	0.00	0.00
PWOPRSES0001548	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001551	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.97	0.00	0.00
PWOPRSES0001555	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001556	1.00	0.00	0.00	0.00	0.71	0.28	0.00	0.00	1.00	0.00
PWOPRSES0001557	1.65	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0001558	1.00	0.00	0.00	0.00	0.29	0.00	0.00	0.70	0.00	0.00
PWOPRSES0001559	1.00	0.00	0.70	0.00	0.02	0.29	0.00	0.00	1.00	0.00
PWOPRSES0001564	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0001565	1.00	0.69	0.01	0.00	0.31	0.00	0.00	0.00	0.83	0.00
PWOPRSES0001566	1.00	0.00	0.00	0.00	0.10	0.00	0.00	0.89	0.00	0.00
PWOPRSES0001567	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001571	1.00	0.86	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001572	1.00	0.00	0.00	0.00	0.70	0.30	0.00	0.00	0.00	0.00
PWOPRSES0001575	1.00	0.15	0.53	0.00	0.32	0.00	0.00	0.00	0.89	0.00
PWOPRSES0001576	1.00	0.68	0.04	0.00	0.28	0.00	0.00	0.00	0.91	0.00
PWOPRSES0001577	1.00	0.68	0.03	0.00	0.29	0.00	0.00	0.00	0.97	0.00
PWOPRSES0001579	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001580	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001581	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001582	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001583	1.12	0.97	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001584	1.13	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001585	1.00	0.00	0.00	0.00	0.93	0.07	0.00	0.00	0.92	0.00
PWOPRSES0001586	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001587	1.00	0.72	0.00	0.00	0.14	0.14	0.00	0.00	0.98	0.00
PWOPRSES0001633	1.00	0.00	0.00	0.00	0.83	0.17	0.00	0.00	0.00	0.00
PWOPRSES0001634	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001654	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.97	0.00	0.00
PWOPRSES0001655	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001656	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00

PWOPRSES0001658	1.00	0.00	0.70	0.00	0.30	0.00	0.00	0.00	0.90	0.00
PWOPRSES0001660	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001662	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001663	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001667	1.00	0.00	0.00	0.00	0.00	0.08	0.00	0.92	0.01	0.00
PWOPRSES0001679	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001680	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001681	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001682	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001684	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001687	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0001688	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001698	1.00	0.00	0.72	0.00	0.01	0.27	0.00	0.00	0.93	0.00
PWOPRSES0001699	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0001711	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001712	1.51	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0001713	1.00	0.00	0.00	0.00	0.03	0.01	0.00	0.96	0.00	0.00
PWOPRSES0001718	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.01	0.00
PWOPRSES0001720	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001721	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001724	1.00	0.71	0.00	0.00	0.29	0.00	0.00	0.00	0.09	0.00
PWOPRSES0001725	1.00	0.71	0.00	0.00	0.03	0.00	0.00	0.26	0.00	0.00
PWOPRSES0001728	1.00	0.71	0.00	0.00	0.00	0.00	0.00	0.29	0.00	0.00
PWOPRSES0001730	1.00	0.71	0.00	0.00	0.19	0.10	0.00	0.00	0.00	0.00
PWOPRSES0001732	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001733	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001744	1.00	0.00	0.00	0.00	0.04	0.01	0.00	0.95	0.00	0.00
PWOPRSES0001745	1.16	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001747	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001748	1.00	0.00	0.00	0.00	0.02	0.04	0.00	0.94	0.03	0.00
PWOPRSES0001750	1.00	0.00	0.00	0.00	0.08	0.12	0.00	0.80	0.00	0.00
PWOPRSES0001753	1.00	0.00	0.71	0.00	0.06	0.23	0.00	0.00	0.90	0.00
PWOPRSES0001754	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001755	1.00	0.00	0.00	0.00	0.03	0.12	0.00	0.84	0.00	0.00
PWOPRSES0001756	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001757	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001758	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001759	1.00	0.00	0.00	0.00	0.02	0.14	0.00	0.83	0.00	0.00
PWOPRSES0001760	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001761	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001765A	1.00	0.00	0.71	0.00	0.28	0.00	0.00	0.00	0.99	0.00
PWOPRSES0001765B	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001766	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001768	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001770	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001771	1.20	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0001774	1.00	0.69	0.00	0.00	0.31	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001775	1.00	0.14	0.55	0.00	0.30	0.00	0.00	0.00	0.97	0.00
PWOPRSES0001776	1.00	0.00	0.00	0.00	0.28	0.00	0.00	0.71	0.16	0.00
PWOPRSES0001777	1.00	0.00	0.00	0.00	0.03	0.09	0.00	0.88	0.01	0.00
PWOPRSES0001778	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001779	1.00	0.69	0.00	0.00	0.28	0.00	0.00	0.03	0.17	0.00
PWOPRSES0001780	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
PWOPRSES0001781	1.00	0.86	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001782	1.00	0.00	0.00	0.00	0.03	0.01	0.00	0.97	0.00	0.00
PWOPRSES0001783	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001784	1.00	0.00	0.00	0.00	0.03	0.05	0.00	0.92	0.00	0.00

PWOPRSES0001785	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001786	2.09	0.00	0.00	0.00	0.01	0.01	0.00	0.98	0.00	0.00
PWOPRSES0001790	1.00	0.00	0.00	0.00	0.02	0.09	0.00	0.89	0.00	0.00
PWOPRSES0001791	1.00	0.00	0.72	0.00	0.16	0.12	0.00	0.00	0.83	0.00
PWOPRSES0001797	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001798	1.00	0.68	0.00	0.00	0.00	0.01	0.00	0.31	0.00	0.00
PWOPRSES0001803	1.00	0.69	0.02	0.00	0.28	0.00	0.00	0.00	0.99	0.00
PWOPRSES0001806	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0001807	1.00	0.69	0.02	0.00	0.29	0.00	0.00	0.00	0.84	0.00
PWOPRSES0001808	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001809	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0001810	1.00	0.98	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001812	1.00	0.00	0.00	0.00	0.05	0.02	0.00	0.92	0.02	0.00
PWOPRSES0001819	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.01	0.00
PWOPRSES0001821	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001822	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001823	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001824	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001825	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.99	0.00	0.00
PWOPRSES0001826	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001827	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001828	1.00	0.00	0.71	0.00	0.29	0.00	0.00	0.00	0.84	0.00
PWOPRSES0001829	1.00	0.14	0.57	0.00	0.29	0.00	0.00	0.00	0.99	0.00
PWOPRSES0001840	1.00	0.00	0.00	0.00	0.03	0.00	0.00	0.97	0.00	0.00
PWOPRSES0001841	1.25	0.69	0.02	0.00	0.29	0.00	0.00	0.00	0.98	0.00
PWOPRSES0001842	1.36	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.18	0.00
PWOPRSES0001844	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0001845	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001855	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001856	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001861	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001862	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001865	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001866	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001868	1.00	0.00	0.72	0.00	0.28	0.00	0.00	0.00	0.93	0.00
PWOPRSES0001890	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001891	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001892	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001895	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001896	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001897	1.00	0.00	0.72	0.00	0.02	0.26	0.00	0.00	0.94	0.00
PWOPRSES0001899	1.04	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001900	1.00	0.00	0.72	0.00	0.02	0.26	0.00	0.00	0.98	0.00
PWOPRSES0001904	1.00	0.00	0.00	0.00	0.02	0.01	0.00	0.97	0.01	0.00
PWOPRSES0001905	1.00	0.00	0.00	0.00	0.03	0.00	0.00	0.97	0.00	0.00
PWOPRSES0001906	1.00	0.00	0.00	0.00	0.05	0.00	0.00	0.95	0.02	0.00
PWOPRSES0001919	1.00	0.94	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001930	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001931	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001932	1.00	0.99	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001941	1.00	0.00	0.00	0.00	0.00	0.05	0.00	0.95	0.02	0.00
PWOPRSES0001942	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001943	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001944	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001951	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001952	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001960	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00

PWOPRSES0001961	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0001962	1.00	0.00	0.00	0.00	0.07	0.00	0.00	0.92	0.01	0.00
PWOPRSES0001963	1.00	0.00	0.00	0.00	0.01	0.01	0.00	0.97	0.01	0.00
PWOPRSES0001968	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001972	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001976	1.00	0.00	0.00	0.00	0.12	0.00	0.00	0.88	0.00	0.00
PWOPRSES0001977	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001978	1.00	0.00	0.65	0.00	0.31	0.04	0.00	0.00	0.95	0.00
PWOPRSES0001979	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001984	1.00	0.00	0.68	0.00	0.31	0.00	0.00	0.00	0.96	0.00
PWOPRSES0002119	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0002120	1.00	0.00	0.00	0.00	0.02	0.01	0.00	0.97	0.00	0.00
PWOPRSES0002121	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0002122	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0003435	1.00	0.00	0.00	0.00	0.00	0.03	0.00	0.97	0.00	0.00
PWOPRSES0003436	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0003439	1.00	0.95	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0003446	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0003447	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0003448	1.27	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0003449	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0003457	1.00	0.00	0.00	0.00	0.88	0.12	0.00	0.00	0.94	0.00
PWOPRSES0003465	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0003466	1.00	0.00	0.00	0.00	0.02	0.02	0.00	0.96	0.00	0.00
PWOPRSES0004584	1.04	0.00	0.00	0.00	0.72	0.28	0.00	0.00	0.00	0.00
PWOPRSES0004585	1.00	0.00	0.72	0.00	0.02	0.26	0.00	0.00	1.00	0.00
PWOPRSES0004586	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0004587	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0004588	1.00	0.00	0.72	0.00	0.16	0.11	0.00	0.00	0.83	0.00
PWOPRSES0004589	1.00	0.00	0.72	0.00	0.10	0.18	0.00	0.00	0.99	0.00
PWOPRSES0004590	1.00	0.00	0.00	0.00	0.00	0.04	0.00	0.96	0.00	0.00
PWOPRSES0004591	1.00	0.72	0.00	0.00	0.28	0.00	0.00	0.00	0.17	0.00
PWOPRSES0004592	1.00	0.72	0.00	0.00	0.13	0.00	0.00	0.15	0.00	0.00
PWOPRSES0004593	2.35	0.00	0.00	0.00	0.01	0.01	0.00	0.97	0.00	0.00
PWOPRSES0004594	1.00	0.00	0.71	0.00	0.29	0.00	0.00	0.00	1.00	0.00
PWOPRSES0004597	1.00	0.98	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0004603	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0004637	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005529	1.00	0.00	0.00	0.00	0.15	0.02	0.00	0.83	0.09	0.00
PWOPRSES0005530	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005531	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005532	1.00	0.00	0.71	0.00	0.29	0.00	0.00	0.00	1.00	0.00
PWOPRSES0005534	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.99	0.00	0.00
PWOPRSES0005535	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005536	1.15	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005537	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.97	0.01	0.00
PWOPRSES0005539	1.00	0.05	0.00	0.00	0.00	0.01	0.00	0.94	0.00	0.00
PWOPRSES0005540	1.42	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005541	1.00	0.00	0.00	0.00	0.85	0.14	0.00	0.00	0.00	0.00
PWOPRSES0005710	1.00	0.61	0.10	0.00	0.26	0.03	0.00	0.00	0.96	0.00
PWOPRSES0005734	1.00	0.00	0.00	0.00	0.17	0.00	0.00	0.83	0.10	0.00
PWOPRSES0005735	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005736	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0005739	1.00	0.00	0.72	0.00	0.11	0.17	0.00	0.00	1.00	0.00
PWOPRSES0005744	1.00	0.00	0.73	0.00	0.22	0.05	0.00	0.00	0.99	0.00
PWOPRSES0005766	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005767	1.00	0.00	0.00	0.00	0.00	0.13	0.00	0.87	0.00	0.00

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PWOPRSES0005768         1.00   0.00  0.00  0.00  0.00  0.00  0.00  1.00  0.00  0.00
PWOPRSES0005769         1.00   0.00  0.70  0.00  0.30  0.00  0.00  0.00  0.99  0.00
PWOPRSES0005770         1.00   0.00  0.00  0.00  0.86  0.14  0.00  0.00  0.00  0.00
PWOPRSES0005771         1.48   0.00  0.00  0.00  0.03  0.07  0.00  0.90  0.01  0.00
PWOPRSES0006537         1.00   0.00  0.72  0.00  0.28  0.00  0.00  0.00  1.00  0.00
PWOPRSES0006538         1.00   0.97  0.03  0.00  0.00  0.00  0.00  0.00  0.00  0.00
PWOPRSES0006542         1.00   0.00  0.00  0.00  0.00  0.00  0.00  1.00  0.00  0.00
PWOPRSES0006547         1.00   1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
PWOPRSES0006548         1.00   1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
PWOPRSES0006549         1.00   0.00  0.00  0.00  0.00  0.01  0.00  0.99  0.00  0.00
PWOPRSES0006550         1.00   0.00  0.00  0.00  0.00  0.00  0.00  1.00  0.00  0.00
PWOPRSES0006551         1.00   0.00  0.00  0.00  0.00  0.00  0.00  1.00  0.00  0.00
PWOPRSES0006552         1.00   0.00  0.00  0.00  0.05  0.12  0.00  0.83  0.00  0.00
PWOPRSES0006553         1.00   0.19  0.45  0.00  0.35  0.00  0.00  0.00  0.97  0.00
PWOPRSES0006554         1.00   0.00  0.00  0.00  0.00  0.02  0.00  0.98  0.00  0.00
PWOPRSES0006555         1.00   0.00  0.00  0.00  0.03  0.02  0.00  0.95  0.03  0.00
PWOPRSES0006576         1.00   0.00  0.00  0.00  0.00  0.00  0.00  1.00  0.00  0.00
PWOPRSES0006577         1.00   0.00  0.00  0.00  0.00  0.00  0.00  1.00  0.00  0.00
STMEasement             1.00   0.72  0.00  0.00  0.28  0.00  0.00  0.00  1.00  0.00
SWMPOND_OUT             1.00   0.00  0.69  0.00  0.30  0.01  0.00  0.00  0.98  0.00


*************************
Conduit Surcharge Summary
*************************

No conduits were surcharged.


Analysis begun on:  Fri Jan 14 14:45:58 2022
Analysis ended on:  Fri Jan 14 14:46:21 2022
Total elapsed time: 00:00:23
```

```
EPA STORM WATER MANAGEMENT MODEL - VERSION 5.1 (Build 5.1.013)
--------------------------------------------------------------

Replacement of Wetlands with Stormwater functions

WARNING 03: negative offset ignored for Link 1
WARNING 03: negative offset ignored for Link 1
WARNING 03: negative offset ignored for Link 10
WARNING 03: negative offset ignored for Link 10
WARNING 03: negative offset ignored for Link 11
WARNING 03: negative offset ignored for Link 11
WARNING 03: negative offset ignored for Link 12
WARNING 03: negative offset ignored for Link 12
WARNING 03: negative offset ignored for Link 13
WARNING 03: negative offset ignored for Link 13
WARNING 03: negative offset ignored for Link 14
WARNING 03: negative offset ignored for Link 14
WARNING 03: negative offset ignored for Link 15
WARNING 03: negative offset ignored for Link 15
WARNING 03: negative offset ignored for Link 17
WARNING 03: negative offset ignored for Link 17
WARNING 03: negative offset ignored for Link 18
WARNING 03: negative offset ignored for Link 18
WARNING 03: negative offset ignored for Link 19
WARNING 03: negative offset ignored for Link 19
WARNING 03: negative offset ignored for Link 2
WARNING 03: negative offset ignored for Link 2
WARNING 03: negative offset ignored for Link 20
WARNING 03: negative offset ignored for Link 20
WARNING 03: negative offset ignored for Link 21
WARNING 03: negative offset ignored for Link 21
WARNING 03: negative offset ignored for Link 22
WARNING 03: negative offset ignored for Link 22
WARNING 03: negative offset ignored for Link 23
WARNING 03: negative offset ignored for Link 23
WARNING 03: negative offset ignored for Link 24
WARNING 03: negative offset ignored for Link 24
WARNING 03: negative offset ignored for Link 25
WARNING 03: negative offset ignored for Link 25
WARNING 03: negative offset ignored for Link 26
WARNING 03: negative offset ignored for Link 26
WARNING 03: negative offset ignored for Link 27
WARNING 03: negative offset ignored for Link 27
WARNING 03: negative offset ignored for Link 28
WARNING 03: negative offset ignored for Link 28
WARNING 03: negative offset ignored for Link 29
WARNING 03: negative offset ignored for Link 29
WARNING 03: negative offset ignored for Link 3
WARNING 03: negative offset ignored for Link 3
WARNING 03: negative offset ignored for Link 30
WARNING 03: negative offset ignored for Link 30
WARNING 03: negative offset ignored for Link 31
WARNING 03: negative offset ignored for Link 31
WARNING 03: negative offset ignored for Link 32
WARNING 03: negative offset ignored for Link 32
WARNING 03: negative offset ignored for Link 33
```

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WARNING 03: negative offset ignored for Link 33
WARNING 03: negative offset ignored for Link 34
WARNING 03: negative offset ignored for Link 34
WARNING 03: negative offset ignored for Link 35
WARNING 03: negative offset ignored for Link 35
WARNING 03: negative offset ignored for Link 36
WARNING 03: negative offset ignored for Link 37
WARNING 03: negative offset ignored for Link 37
WARNING 03: negative offset ignored for Link 38
WARNING 03: negative offset ignored for Link 38
WARNING 03: negative offset ignored for Link 39
WARNING 03: negative offset ignored for Link 39
WARNING 03: negative offset ignored for Link 4
WARNING 03: negative offset ignored for Link 4
WARNING 03: negative offset ignored for Link 40
WARNING 03: negative offset ignored for Link 40
WARNING 03: negative offset ignored for Link 41
WARNING 03: negative offset ignored for Link 41
WARNING 03: negative offset ignored for Link 44
WARNING 03: negative offset ignored for Link 44
WARNING 03: negative offset ignored for Link 45
WARNING 03: negative offset ignored for Link 46
WARNING 03: negative offset ignored for Link 47
WARNING 03: negative offset ignored for Link 5
WARNING 03: negative offset ignored for Link 5
WARNING 03: negative offset ignored for Link 51
WARNING 03: negative offset ignored for Link 6
WARNING 03: negative offset ignored for Link 6
WARNING 03: negative offset ignored for Link 7
WARNING 03: negative offset ignored for Link 7
WARNING 03: negative offset ignored for Link 8
WARNING 03: negative offset ignored for Link 8
WARNING 03: negative offset ignored for Link 9
WARNING 03: negative offset ignored for Link 9
WARNING 03: negative offset ignored for Link PWOPRSES0001978
WARNING 02: maximum depth increased for Node 11
WARNING 02: maximum depth increased for Node 13
WARNING 02: maximum depth increased for Node 22
WARNING 02: maximum depth increased for Node 24
WARNING 02: maximum depth increased for Node 36
WARNING 02: maximum depth increased for Node 8
WARNING 02: maximum depth increased for Node 9
WARNING 02: maximum depth increased for Node PWOPRMHS0001401
WARNING 02: maximum depth increased for Node PWOPRMHS0001402
WARNING 02: maximum depth increased for Node PWOPRMHS0001602
WARNING 02: maximum depth increased for Node PWOPRMHS0001611
WARNING 02: maximum depth increased for Node PWOPRMHS0001662
WARNING 02: maximum depth increased for Node PWOPRMHS0001670
WARNING 02: maximum depth increased for Node PWOPRMHS0001688
WARNING 02: maximum depth increased for Node PWOPRMHS0004129
WARNING 02: maximum depth increased for Node PWOPRMHS0004130
WARNING 02: maximum depth increased for Node PWOPRMHS0004141
WARNING 02: maximum depth increased for Node PWOPRMHS0005230
WARNING 02: maximum depth increased for Node PWOPRMHS0005930
WARNING 02: maximum depth increased for Node PWOPRMHS0005931
WARNING 02: maximum depth increased for Node PWOPRMHS0005945
WARNING 02: maximum depth increased for Node SWMPOND
```

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

****************
Analysis Options
****************
Flow Units ............... CMS
Process Models:
  Rainfall/Runoff ........ YES
  RDII ................... NO
  Snowmelt ............... NO
  Groundwater ............ NO
  Flow Routing ........... YES
  Ponding Allowed ........ NO
  Water Quality .......... NO
Infiltration Method ...... GREEN_AMPT
Flow Routing Method ...... DYNWAVE
Surcharge Method ......... EXTRAN
Starting Date ............ 09/01/2021 00:00:00
Ending Date .............. 09/04/2021 00:00:00
Antecedent Dry Days ...... 0.0
Report Time Step ......... 00:05:00
Wet Time Step ............ 00:05:00
Dry Time Step ............ 00:15:00
Routing Time Step ........ 5.00 sec
Variable Time Step ....... YES
Maximum Trials ........... 8
Number of Threads ........ 4
Head Tolerance ........... 0.001500 m


**************************        Volume         Depth
Runoff Quantity Continuity     hectare-m            mm
**************************     ---------       -------
Initial LID Storage ......        12.619         7.423
Total Precipitation ......       166.281        97.810
Outfall Runon ............      1064.057       625.902
Evaporation Loss .........         2.205         1.297
Infiltration Loss ........        96.547        56.791
Surface Runoff ...........      1121.413       659.640
Final Storage ............        23.027        13.545
Continuity Error (%) .....        -0.019


**************************        Volume        Volume
Flow Routing Continuity        hectare-m      10^6 ltr
**************************     ---------     ---------
Dry Weather Inflow .......         0.000         0.000
Wet Weather Inflow .......      1121.404     11214.153
Groundwater Inflow .......         0.000         0.000
RDII Inflow ..............         0.000         0.000
External Inflow ..........         0.000         0.000
External Outflow .........      1120.700     11207.120
```

```
Flooding Loss ............         0.000         0.000
Evaporation Loss .........         0.023         0.229
Exfiltration Loss ........         0.000         0.000
Initial Stored Volume ....         0.000         0.001
Final Stored Volume ......         0.585         5.852
Continuity Error (%) .....         0.008


*************************
Highest Continuity Errors
*************************
Node PWOPRMHS0001611 (1.76%)


***************************
Time-Step Critical Elements
***************************
Link 65 (86.01%)
Link PWOPRSES0001824 (1.38%)


********************************
Highest Flow Instability Indexes
********************************
Link 65 (16)
Link 23 (7)
Link 24 (5)
Link 36 (4)
Link 60 (3)

*************************
Routing Time Step Summary
*************************
Minimum Time Step           :     1.00 sec
Average Time Step           :     2.46 sec
Maximum Time Step           :     5.00 sec
Percent in Steady State     :    -0.00
Average Iterations per Step :     2.04
Percent Not Converging      :     0.09


***************************
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
A1	97.81	60.93	1.62	74.91	45.50	61.18	67.29	5.64	2.79	0.424
A1.1	97.81	0.00	1.16	32.32	29.73	34.69	64.42	27.58	4.78	0.659
A1.1_FRST	97.81	0.00	0.76	54.42	4.79	37.93	42.72	1.55	0.36	0.437
A2	97.81	79.16	1.54	79.19	42.82	78.35	80.91	9.30	4.10	0.457
A2.1	97.81	0.00	0.83	50.42	19.18	27.48	46.65	6.02	1.29	0.477
A2.1_FRST	97.81	0.00	0.56	67.00	4.79	25.54	30.34	0.99	0.29	0.310

A2.2	97.81	0.00	1.10	36.69	32.61	27.53	60.13	5.08	0.93	0.615
A2.2_FRST	97.81	0.00	0.56	66.58	4.79	25.97	30.76	0.68	0.20	0.314
A3	97.81	206.36	2.26	115.84	75.96	159.51	155.04	88.02	17.38	0.510
A3.1	97.81	0.00	1.03	36.45	21.10	39.31	60.41	3.89	0.71	0.618
A3.1_FRST	97.81	0.00	0.59	68.73	4.79	23.76	28.55	3.77	0.99	0.292
A3.2	97.81	0.00	1.14	35.75	34.53	26.51	61.04	19.73	3.53	0.624
A3.2_FRST	97.81	0.00	0.60	66.83	4.79	25.64	30.43	2.25	0.55	0.311
A3.3	97.81	0.00	1.07	36.46	22.06	38.29	60.35	42.38	7.58	0.617
A3.3_FRST	97.81	0.00	0.58	72.80	4.79	19.68	24.48	4.19	0.94	0.250
A4	97.81	2303.82	3.90	185.39	942.61	1377.36	2147.43	2158.54	174.55	0.894
A4.1	97.81	0.00	0.98	36.50	19.17	41.26	60.43	0.62	0.12	0.618
A4.1_FRST	97.81	0.00	0.65	60.72	4.79	31.72	36.51	2.02	0.50	0.373
A4.2	97.81	0.00	1.12	33.22	27.81	35.73	63.55	6.23	1.10	0.650
A4.2_FRST	97.81	0.00	0.71	63.49	4.79	28.87	33.67	5.44	1.18	0.344
A4.3	97.81	0.00	1.48	21.43	58.50	16.54	75.04	35.24	5.47	0.767
A4.3_FRST	97.81	0.00	0.51	73.46	4.79	19.10	23.90	1.94	0.52	0.244
A4.4_FRST	97.81	0.00	0.49	78.83	4.79	13.73	18.52	3.45	0.79	0.189
A4.5	97.81	0.00	1.13	33.18	27.81	35.77	63.58	69.18	12.11	0.650
A4.5_FRST	97.81	0.00	0.80	56.43	4.79	35.85	40.64	6.11	1.28	0.416
A4.6	97.81	0.00	1.29	31.43	49.87	15.35	65.22	97.15	16.39	0.667
A4.6_FRST	97.81	0.00	0.54	75.83	4.79	16.68	21.48	13.05	2.94	0.220
B1	97.81	101.88	1.22	51.37	31.04	125.47	141.71	4.37	1.52	0.710
B1.1	97.81	0.00	0.99	36.90	19.17	40.84	60.01	0.60	0.11	0.614
B1.1_FRST	97.81	0.00	0.92	47.04	4.79	45.12	49.91	1.85	0.38	0.510
B2	97.81	1424.36	1.31	57.60	212.10	1265.15	1456.57	42.41	11.20	0.957
B2.1	97.81	0.00	0.89	41.37	10.54	45.09	55.63	3.61	0.71	0.569
B2.1_FRST	97.81	0.00	0.93	47.25	4.79	44.90	49.69	4.01	0.81	0.508
C1	97.81	5777.12	2.64	91.35	3570.12	2262.48	5751.82	181.48	43.67	0.979
C1.1	97.81	0.00	1.50	21.45	58.48	16.50	74.98	92.46	14.33	0.767
C1.1_FRST	97.81	0.00	0.63	61.99	4.79	30.49	35.29	0.98	0.26	0.361
D1	97.81	1053.77	2.65	90.55	688.84	420.22	1028.06	135.24	34.67	0.893
D1.1	97.81	0.00	1.38	29.11	58.48	8.96	67.44	80.81	12.96	0.690
D1.1_FRST	97.81	0.00	0.69	68.74	4.79	23.63	28.43	8.62	1.57	0.291
D2	97.81	26.35	2.30	82.25	57.15	22.14	15.18	2.67	0.93	0.122
D2.1	97.81	0.00	1.29	33.60	51.76	11.26	63.02	32.92	5.46	0.644
D2.1_FRST	97.81	0.00	0.61	72.92	4.79	19.52	24.32	4.63	0.91	0.249
D3	97.81	8965.37	3.51	142.04	5415.73	3586.78	8865.78	497.54	45.90	0.978
D3.1	97.81	0.00	1.37	28.75	57.54	10.28	67.82	24.51	3.97	0.693
D4	97.81	7386.38	2.18	117.11	2613.91	4787.23	7344.63	258.53	16.89	0.981
D4.1	97.81	0.00	1.29	32.84	50.81	12.97	63.78	14.93	2.50	0.652
D4.1_FRST	97.81	0.00	0.59	71.12	4.79	21.35	26.15	3.57	0.81	0.267
E1	97.81	161173.09	4.33	246.17	29019.69	132129.87	160951.55	4712.80	182.10	0.998
E1.1	97.81	0.00	0.85	50.97	22.06	24.03	46.09	8.30	1.75	0.471
E1.1_FRST	97.81	0.00	0.67	68.98	4.79	23.41	28.20	9.27	1.78	0.288
E2	97.81	307931.25	3.28	159.19	58520.15	249406.02	307834.83	2418.95	102.00	0.999
E2.1	97.81	0.00	0.99	37.83	18.22	40.85	59.07	5.48	1.02	0.604
E2.1_FRST	97.81	0.00	0.73	54.19	4.79	38.22	43.01	0.37	0.09	0.440
E3	97.81	34.30	1.32	83.74	26.71	41.45	34.07	4.78	2.31	0.258
E3.1	97.81	0.00	0.79	52.11	21.09	23.92	45.01	10.27	2.29	0.460
E3.1_FRST	97.81	0.00	0.65	60.42	4.79	32.02	36.81	4.81	1.18	0.376
HC01-01	97.81	0.00	0.90	46.78	27.52	22.73	50.25	3.13	0.64	0.514
HC01-02	97.81	0.00	0.86	48.82	23.78	24.48	48.26	1.10	0.23	0.493
HC01-03	97.81	0.00	0.86	48.95	23.78	24.35	48.12	0.58	0.12	0.492
HC01-04	97.81	0.00	0.76	53.54	18.60	25.02	43.62	1.09	0.25	0.446
HC01-05	97.81	0.00	0.85	48.76	23.78	24.56	48.33	1.21	0.26	0.494
HC01-06	97.81	0.00	0.86	48.95	23.78	24.35	48.12	0.64	0.14	0.492
HC01-07	97.81	0.00	0.87	49.62	23.78	23.63	47.41	0.33	0.07	0.485

HC01-08	97.81	0.00	0.86	48.87	23.78	24.43	48.21	0.25	0.05	0.493
HC01-09	97.81	0.00	0.86	49.24	23.78	24.03	47.81	0.32	0.07	0.489
HC01-10	97.81	0.00	0.86	48.96	23.78	24.34	48.11	0.55	0.12	0.492
HC01-11	97.81	0.00	0.86	49.22	23.78	24.05	47.83	0.66	0.14	0.489
HC01-12	97.81	0.00	0.90	44.43	23.78	28.83	52.61	1.63	0.33	0.538
HC02-01	97.81	0.00	1.06	40.51	35.77	20.60	56.37	0.21	0.04	0.576
HC02-02	97.81	0.00	1.30	30.60	48.33	17.70	66.03	1.43	0.24	0.675
HC02-03	97.81	0.00	1.16	35.64	41.43	19.69	61.13	0.12	0.02	0.625
HC02-04	97.81	0.00	0.92	44.90	27.99	24.15	52.14	0.21	0.04	0.533
HC02-05	97.81	0.00	0.70	54.86	14.19	28.19	42.38	1.25	0.30	0.433
HC02-06	97.81	0.00	0.72	54.83	14.57	27.80	42.38	0.76	0.18	0.433
HC02-07	97.81	0.00	0.69	57.49	12.27	27.45	39.72	0.31	0.07	0.406
HC02-08	97.81	0.00	0.65	58.24	11.12	27.91	39.03	0.49	0.12	0.399
HC02-09	97.81	0.00	0.70	57.15	13.04	27.00	40.04	0.35	0.08	0.409
HC02-10	97.81	0.00	0.67	58.05	11.89	27.30	39.19	0.37	0.09	0.401
HC02-11	97.81	0.00	0.69	56.61	13.04	27.58	40.62	0.61	0.15	0.415
HC02-12	97.81	0.00	0.68	58.97	11.89	26.34	38.23	0.82	0.19	0.391
HC02-13	97.81	0.00	0.66	58.82	11.12	27.31	38.43	0.32	0.08	0.393
HC02-14	97.81	0.00	0.65	58.20	11.50	27.56	39.06	0.36	0.09	0.399
HC02-15	97.81	0.00	0.68	56.46	12.65	28.14	40.80	0.65	0.16	0.417
HC02-16	97.81	0.00	0.55	63.04	13.42	20.91	34.33	0.18	0.05	0.351
HC02-17	97.81	0.00	0.74	51.76	12.65	32.76	45.41	1.07	0.24	0.464
HC02-18	97.81	0.00	0.55	62.86	13.42	21.10	34.52	1.32	0.35	0.353
HC02-19	97.81	0.00	0.61	66.00	13.81	17.45	31.26	0.48	0.11	0.320
HC02-20	97.81	0.00	1.01	41.05	33.75	22.16	55.90	0.25	0.05	0.572
HC02-21	97.81	0.00	0.71	56.25	13.81	27.14	40.95	1.44	0.34	0.419
HC02-22	97.81	0.00	0.71	56.25	13.81	27.14	40.95	1.22	0.29	0.419
HC02-23	97.81	0.00	1.15	35.70	41.04	20.04	61.09	0.24	0.04	0.625
HC02-24	97.81	0.00	1.39	24.39	55.98	16.21	72.20	0.05	0.01	0.738
HC02-25	97.81	0.00	1.19	33.24	44.01	19.51	63.52	0.72	0.13	0.649
HC02-26	97.81	0.00	1.33	27.12	52.54	16.97	69.51	0.24	0.04	0.711
HC02-27	97.81	0.00	0.62	59.49	17.26	20.58	37.83	0.28	0.07	0.387
HC02-28	97.81	0.00	0.62	59.73	17.25	20.31	37.57	0.21	0.05	0.384
HC02-29	97.81	0.00	1.01	43.36	38.36	15.19	53.55	0.28	0.05	0.547
HC02-30	97.81	0.00	0.35	76.80	1.15	19.57	20.72	0.31	0.10	0.212
HC02-31	97.81	0.00	0.59	61.84	14.57	20.91	35.49	0.86	0.22	0.363
HC02-32	97.81	0.00	0.56	62.36	13.80	21.20	35.00	0.75	0.20	0.358
HC02-33	97.81	0.00	0.60	62.92	14.57	19.79	34.36	0.29	0.07	0.351
HC02-34	97.81	0.00	0.76	53.01	24.92	19.23	44.16	0.13	0.03	0.451
HC02-35	97.81	0.00	0.34	74.72	1.53	21.31	22.85	0.23	0.08	0.234
HC02-36	97.81	0.00	0.39	69.18	5.37	23.09	28.45	0.13	0.04	0.291
HC02-37	97.81	0.00	0.39	69.92	4.98	22.65	27.64	0.28	0.09	0.283
HC02-38	97.81	0.00	0.70	57.21	13.04	26.95	39.99	1.24	0.29	0.409
HC02-39	97.81	0.00	0.70	61.05	11.12	25.00	36.13	0.32	0.07	0.369
HC03-01	97.81	0.00	1.01	40.96	30.69	25.26	55.95	1.25	0.24	0.572
HC03-02	97.81	0.00	0.71	54.51	14.57	28.17	42.74	0.34	0.08	0.437
HC03-03	97.81	0.00	0.75	51.72	18.02	27.54	45.57	0.06	0.01	0.466
HC03-04	97.81	0.00	0.76	52.30	18.02	26.86	44.88	0.46	0.10	0.459
HC03-05	97.81	0.00	1.05	39.62	35.28	22.02	57.30	0.19	0.04	0.586
HC03-06	97.81	0.00	0.69	55.92	13.23	28.11	41.34	2.13	0.52	0.423
HC03-07	97.81	0.00	0.72	54.80	14.57	27.84	42.41	0.77	0.18	0.434
HC03-08	97.81	0.00	0.56	62.20	14.86	20.32	35.18	1.53	0.40	0.360
HC03-09	97.81	0.00	0.71	57.31	22.34	17.55	39.89	0.77	0.18	0.408
HC03-10	97.81	0.00	0.51	65.16	11.50	20.75	32.25	0.55	0.15	0.330
HC03-11	97.81	0.00	0.59	61.76	15.82	19.75	35.57	0.89	0.23	0.364
HC03-12	97.81	0.00	0.58	64.91	13.42	18.97	32.39	0.38	0.10	0.331
HC03-13	97.81	0.00	0.65	59.08	18.02	20.17	38.20	0.15	0.04	0.391

HC03-14	97.81	0.00	1.36	27.14	56.01	13.45	69.46	0.09	0.01	0.710
HC03-15	97.81	0.00	0.55	63.58	13.04	20.75	33.78	0.21	0.06	0.345
HC03-16	97.81	0.00	0.69	57.56	20.33	19.33	39.66	0.12	0.03	0.405
HC03-17	97.81	0.00	1.04	39.58	35.28	22.08	57.36	0.07	0.01	0.586
HC03-18	97.81	0.00	1.48	21.14	61.37	13.97	75.34	0.08	0.01	0.770
HC03-19	97.81	0.00	0.58	60.07	8.05	29.29	37.34	2.94	0.77	0.382
HC03-20	97.81	0.00	0.52	65.54	2.30	29.54	31.84	0.48	0.14	0.326
HC04-01	97.81	0.00	0.82	49.97	17.26	29.85	47.11	1.69	0.36	0.482
HC04-02	97.81	0.00	0.54	64.11	13.32	19.93	33.26	0.22	0.06	0.340
HC04-03	97.81	0.00	0.56	63.66	14.29	19.40	33.69	0.40	0.11	0.344
HC04-04	97.81	0.00	0.82	50.30	17.26	29.51	46.77	2.47	0.52	0.478
HC04-05	97.81	0.00	0.61	60.56	16.87	19.87	36.75	0.23	0.06	0.376
HC04-06	97.81	0.00	0.62	61.58	16.87	18.82	35.70	0.38	0.09	0.365
HC04-07	97.81	0.00	0.99	44.14	36.83	15.96	52.79	0.05	0.01	0.540
HC04-08	97.81	0.00	0.58	63.07	14.86	19.39	34.25	0.12	0.03	0.350
HC04-09	97.81	0.00	0.62	61.28	16.87	19.13	36.00	0.19	0.05	0.368
HC04-10	97.81	0.00	0.63	61.68	16.88	18.70	35.58	0.22	0.05	0.364
HC04-11	97.81	0.00	0.58	62.18	16.01	19.15	35.16	0.32	0.08	0.359
HC04-12	97.81	0.00	0.55	64.76	12.65	19.94	32.59	0.72	0.19	0.333
HC04-13	97.81	0.00	0.60	62.24	14.57	20.49	35.06	0.11	0.03	0.358
HC04-14	97.81	0.00	0.72	57.68	13.42	26.06	39.49	1.10	0.25	0.404
HC04-15	97.81	0.00	0.70	56.48	13.42	27.31	40.73	1.59	0.38	0.416
HC04-16	97.81	0.00	0.72	54.98	14.57	27.65	42.23	0.19	0.05	0.432
HC04-17	97.81	0.00	0.75	53.74	16.87	26.57	43.44	0.98	0.23	0.444
HC04-18	97.81	0.00	0.82	52.08	20.23	24.78	45.01	0.12	0.03	0.460
HC04-19	97.81	0.00	0.65	58.07	11.50	27.69	39.19	0.51	0.13	0.401
HC04-20	97.81	0.00	0.65	57.74	11.50	28.05	39.55	0.22	0.06	0.404
HC04-21	97.81	0.00	0.74	53.69	16.49	27.03	43.52	0.07	0.02	0.445
HC04-22	97.81	0.00	0.77	52.61	18.41	26.14	44.55	0.10	0.02	0.455
HC04-23	97.81	0.00	0.72	53.56	16.87	26.83	43.70	0.24	0.06	0.447
HC04-24	97.81	0.00	0.69	55.36	13.80	28.11	41.91	0.05	0.01	0.429
HC04-25	97.81	0.00	0.75	51.35	13.04	32.80	45.83	0.36	0.08	0.469
HC04-26	97.81	0.00	0.59	68.34	12.28	16.66	28.94	0.21	0.05	0.296
HC04-27	97.81	0.00	0.64	58.82	10.35	28.11	38.47	0.14	0.03	0.393
HC04-28	97.81	0.00	0.59	62.18	14.57	20.56	35.14	0.26	0.07	0.359
HC04-29	97.81	0.00	0.75	51.52	13.04	32.61	45.65	1.65	0.37	0.467
HC04-30	97.81	0.00	0.75	51.17	13.42	32.58	46.00	0.89	0.20	0.470
HC04-31	97.81	0.00	0.80	52.33	26.85	17.93	44.78	0.21	0.05	0.458
HC04-32	97.81	0.00	0.60	62.51	14.57	20.21	34.79	0.12	0.03	0.356
HC04-33	97.81	0.00	0.55	63.77	13.04	20.54	33.58	0.38	0.10	0.343
HC04-34	97.81	0.00	0.41	70.77	5.37	21.36	26.73	0.41	0.13	0.273
HC04-35	97.81	0.00	0.55	64.11	13.04	20.19	33.23	0.16	0.04	0.340
HC04-36	97.81	0.00	1.02	38.93	31.16	26.85	58.01	1.70	0.32	0.593
HC05-01	97.81	0.00	0.70	52.47	11.50	33.27	44.78	2.68	0.62	0.458
HC05-02	97.81	0.00	0.72	52.44	11.89	32.89	44.77	1.45	0.33	0.458
HC05-03	97.81	0.00	1.63	14.54	72.86	8.92	81.77	0.09	0.01	0.836
HC05-04	97.81	0.00	0.50	66.15	10.74	20.53	31.26	0.15	0.04	0.320
HC05-05	97.81	0.00	0.61	62.98	14.38	19.91	34.29	0.32	0.08	0.351
HC05-06	97.81	0.00	0.60	61.06	16.11	20.15	36.26	0.15	0.04	0.371
HC05-07	97.81	0.00	0.54	64.31	12.65	20.40	33.05	0.24	0.06	0.338
HC05-08	97.81	0.00	0.55	64.13	13.04	20.17	33.21	0.73	0.19	0.340
HC05-09	97.81	0.00	0.57	66.57	12.66	18.07	30.73	0.08	0.02	0.314
HC05-10	97.81	0.00	0.61	59.65	16.87	20.82	37.69	0.13	0.03	0.385
HC05-11	97.81	0.00	0.39	70.12	4.98	22.45	27.43	0.87	0.27	0.280
HC06-01	97.81	0.00	0.72	54.91	14.57	27.72	42.29	0.14	0.03	0.432
HC06-02	97.81	0.00	0.73	56.12	14.19	26.85	41.04	0.27	0.06	0.420
HC06-03	97.81	0.00	0.52	70.89	0.00	26.45	26.45	0.39	0.10	0.270

HC06-04	97.81	0.00	0.50	68.50	0.38	28.50	28.89	0.32	0.09	0.295
HC06-05	97.81	0.00	0.65	58.42	10.35	28.49	38.84	0.14	0.03	0.397
HC06-06	97.81	0.00	0.67	56.82	12.27	28.17	40.44	0.63	0.16	0.413
HC06-07	97.81	0.00	0.70	52.28	10.74	34.26	44.99	0.18	0.04	0.460
HC06-08	97.81	0.00	0.70	55.50	13.80	27.95	41.75	1.73	0.42	0.427
HC06-09	97.81	0.00	0.67	56.26	12.46	28.58	41.04	1.07	0.26	0.420
HC06-10	97.81	0.00	0.67	56.66	12.27	28.34	40.61	0.97	0.24	0.415
HC06-11	97.81	0.00	0.81	48.14	16.87	32.14	49.01	0.11	0.02	0.501
HC06-12	97.81	0.00	0.90	43.89	23.77	29.39	53.17	0.11	0.02	0.544
HC06-13	97.81	0.00	1.22	32.91	49.09	14.74	63.83	0.18	0.03	0.653
HC06-14	97.81	0.00	0.80	51.72	22.05	23.34	45.40	0.82	0.18	0.464
HC06-15	97.81	0.00	1.73	10.38	76.72	9.10	85.82	0.10	0.01	0.877
HC06-16	97.81	0.00	1.53	18.57	64.26	13.62	77.87	0.22	0.03	0.796
HC06-17	97.81	0.00	0.78	53.35	21.10	22.68	43.78	0.67	0.15	0.448
HC06-18	97.81	0.00	1.30	29.97	53.13	13.54	66.67	1.77	0.29	0.682
HC06-19	97.81	0.00	1.71	10.34	76.69	9.14	85.83	0.03	0.00	0.878
HC06-20	97.81	0.00	1.73	10.38	76.72	9.11	85.83	0.18	0.03	0.877
HC06-21	97.81	0.00	1.60	20.47	64.18	11.67	75.85	0.96	0.15	0.775
HC06-22	97.81	0.00	1.72	10.35	76.70	9.14	85.84	0.05	0.01	0.878
HC06-23	97.81	0.00	1.61	17.61	67.10	11.62	78.72	1.18	0.18	0.805
HC06-24	97.81	0.00	1.72	10.36	76.71	9.13	85.83	0.10	0.01	0.878
HC06-25	97.81	0.00	0.80	48.09	16.87	32.20	49.08	1.64	0.35	0.502
HC06-26	97.81	0.00	0.76	55.21	24.55	17.38	41.93	1.11	0.24	0.429
HC06-27	97.81	0.00	1.64	14.59	72.88	8.84	81.72	0.13	0.02	0.835
HC06-28	97.81	0.00	1.78	10.47	76.69	8.99	85.68	0.17	0.02	0.876
HC06-29	97.81	0.00	0.66	56.50	7.67	33.06	40.73	0.51	0.12	0.416
HC06-30	97.81	0.00	1.26	29.74	46.03	20.92	66.95	0.22	0.04	0.685
HC06-31	97.81	0.00	0.32	73.65	1.53	22.43	23.97	0.43	0.15	0.245
HC06-32	97.81	0.00	0.41	72.14	4.98	20.35	25.33	0.34	0.10	0.259
HC07-01	97.81	0.00	0.64	62.92	16.49	17.82	34.32	1.04	0.24	0.351
HC07-02	97.81	0.00	0.64	60.58	18.03	18.65	36.67	0.42	0.10	0.375
HC07-03	97.81	0.00	0.58	61.79	14.57	20.99	35.56	0.13	0.03	0.364
HC07-04	97.81	0.00	0.52	65.72	11.12	20.53	31.65	0.11	0.03	0.324
HC07-05	97.81	0.00	0.62	65.96	14.58	16.71	31.29	0.09	0.02	0.320
HC07-06	97.81	0.00	0.59	65.44	13.42	18.43	31.85	0.66	0.16	0.326
HC07-07	97.81	0.00	0.56	64.23	13.42	19.68	33.11	0.13	0.03	0.338
HC07-08	97.81	0.00	1.37	31.92	55.18	9.43	64.62	0.12	0.02	0.661
HC07-09	97.81	0.00	0.59	61.36	16.87	19.13	36.01	0.09	0.02	0.368
HC08-01	97.81	0.00	0.81	49.51	16.49	31.10	47.59	0.33	0.07	0.487
HC08-02	97.81	0.00	0.85	48.49	18.03	30.53	48.56	1.13	0.24	0.496
HC08-03	97.81	0.00	0.60	63.18	14.57	19.53	34.10	0.68	0.17	0.349
HC08-04	97.81	0.00	0.74	54.38	11.12	31.65	42.77	0.30	0.07	0.437
HC08-05	97.81	0.00	0.79	49.58	14.57	32.98	47.56	0.31	0.07	0.486
HC08-06	97.81	0.00	0.76	51.51	13.42	32.22	45.64	0.54	0.12	0.467
HC08-07	97.81	0.00	0.76	51.39	13.42	32.34	45.77	0.25	0.06	0.468
HC08-08	97.81	0.00	1.42	22.87	55.24	18.41	73.65	0.30	0.05	0.753
HC08-09	97.81	0.00	0.84	48.20	16.88	31.99	48.87	0.87	0.18	0.500
HC08-10	97.81	0.00	0.55	59.26	1.53	36.61	38.14	0.50	0.13	0.390
HC09-01	97.81	0.00	0.67	61.58	19.18	16.45	35.63	0.34	0.08	0.364
HC09-02	97.81	0.00	0.55	64.85	13.42	19.08	32.50	0.33	0.09	0.332
HC09-03	97.81	0.00	0.58	63.85	14.57	18.89	33.47	0.32	0.08	0.342
HC09-04	97.81	0.00	0.50	66.48	10.74	20.18	30.92	0.79	0.22	0.316
HC09-05	97.81	0.00	0.52	65.32	11.89	20.18	32.07	0.83	0.23	0.328
HC09-06	97.81	0.00	0.51	65.54	11.50	20.35	31.86	0.39	0.11	0.326
HC09-07	97.81	0.00	0.46	68.19	7.67	21.58	29.25	0.14	0.04	0.299
HC10-01	97.81	0.00	0.52	65.84	11.79	19.75	31.54	1.41	0.39	0.322
HC10-02	97.81	0.00	0.82	52.49	27.14	17.45	44.59	1.13	0.24	0.456

HC10-03	97.81	0.00	0.80	54.91	25.80	16.38	42.18	0.78	0.16	0.431
HC10-04	97.81	0.00	0.57	62.64	14.86	19.85	34.71	0.64	0.17	0.355
HC10-05	97.81	0.00	0.57	65.63	13.62	18.07	31.68	0.76	0.19	0.324
HC10-06	97.81	0.00	0.54	66.02	11.89	19.44	31.33	0.42	0.11	0.320
HC10-07	97.81	0.00	0.59	62.16	15.82	19.34	35.16	0.60	0.15	0.359
HC10-08	97.81	0.00	0.55	62.63	14.28	20.49	34.78	0.41	0.11	0.356
HC10-09	97.81	0.00	0.52	65.96	11.70	19.71	31.41	0.44	0.12	0.321
HC10-10	97.81	0.00	0.55	63.08	14.28	20.00	34.28	0.10	0.03	0.351
HC10-11	97.81	0.00	0.64	58.72	18.69	19.91	38.60	0.10	0.03	0.395
HC10-12	97.81	0.00	0.34	73.53	2.30	21.74	24.04	0.22	0.07	0.246
HC10-13	97.81	0.00	0.60	63.39	15.34	18.56	33.90	0.20	0.05	0.347
HC10-14	97.81	0.00	0.59	62.10	15.63	19.61	35.23	0.16	0.04	0.360
HC10-15	97.81	0.00	0.58	61.56	15.82	19.97	35.79	0.14	0.04	0.366

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LID Performance Summary
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Subcatchment	LID Control	Total Inflow mm	Evap Loss mm	Infil Loss mm	Surface Outflow mm	Drain Outflow mm	Initial Storage mm	Final Storage mm	Continuity Error %
A1	LID_WETLAND	1113.52	6.85	322.43	640.66	0.00	175.36	319.09	-0.01
A2	LID_WETLAND	1220.77	6.84	320.79	749.85	0.00	175.36	318.89	-0.02
A3	LID_WETLAND	1175.92	6.83	316.43	709.85	0.00	175.36	318.37	-0.01
A4	LID_WETLAND	5257.03	6.84	329.81	4775.51	0.00	175.36	320.46	-0.00
B1	LID_WETLAND	4121.11	6.88	327.20	3642.90	0.00	175.36	319.62	-0.00
B2	LID_WETLAND	26981.84	6.88	323.51	26507.85	0.00	175.36	319.08	-0.00
C1	LID_WETLAND	27160.21	6.87	322.22	26687.62	0.00	175.36	318.96	-0.00
D1	LID_WETLAND	5235.03	6.87	322.64	4762.03	0.00	175.36	319.07	-0.00
D2	LID_WETLAND	562.11	6.83	322.81	88.88	0.00	175.36	319.19	-0.03
D3	LID_WETLAND	24863.10	6.86	323.34	24389.17	0.00	175.36	319.36	-0.00
D4	LID_WETLAND	50196.90	6.86	328.91	49716.55	0.00	175.36	320.14	-0.00
E1	LID_WETLAND	337138.81	6.86	353.61	336626.87	0.00	175.36	327.36	-0.00
E2	LID_WETLAND	1209924.84	6.84	311.21	1209468.19	0.00	175.36	317.46	-0.00
E3	LID_WETLAND	844.41	6.85	320.91	373.19	0.00	175.36	318.89	-0.01

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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
1	JUNCTION	0.04	0.63	333.27	0 05:15	0.63
11	JUNCTION	0.34	0.95	317.56	0 09:18	0.95
12	JUNCTION	0.35	1.00	316.50	0 09:18	1.00
13	JUNCTION	0.49	1.31	315.81	0 09:41	1.31
14	JUNCTION	0.05	0.63	331.73	0 05:15	0.63
15	JUNCTION	0.65	1.59	315.54	0 11:04	1.51
17	JUNCTION	0.37	0.86	312.86	0 13:36	0.85
18	JUNCTION	0.08	1.11	323.61	0 05:14	1.10
19	JUNCTION	0.03	0.51	324.01	0 05:20	0.51

2	JUNCTION	0.12	1.61	325.61	0	05:15	1.61
20	JUNCTION	0.07	0.69	330.79	0	05:20	0.69
21	JUNCTION	0.24	0.81	321.91	0	06:15	0.81
22	JUNCTION	0.11	1.14	322.64	0	05:12	1.07
24	JUNCTION	0.26	2.05	322.55	0	05:17	2.04
25	JUNCTION	0.12	1.53	322.64	0	05:14	1.42
26	JUNCTION	0.00	0.00	327.93	0	00:00	0.00
27	JUNCTION	0.07	0.97	327.47	0	05:15	0.97
28	JUNCTION	0.17	0.95	327.05	0	06:15	0.95
29	JUNCTION	0.11	0.60	324.49	0	06:27	0.60
3	JUNCTION	0.09	0.97	331.54	0	05:15	0.97
30	JUNCTION	0.19	0.65	321.15	0	06:52	0.65
31	JUNCTION	0.17	0.58	320.73	0	06:53	0.58
32	JUNCTION	0.19	0.66	319.66	0	06:17	0.66
34	JUNCTION	0.20	0.68	318.55	0	05:19	0.68
35	JUNCTION	0.21	0.69	318.19	0	05:20	0.69
36	JUNCTION	0.18	0.73	316.23	0	05:18	0.73
37	JUNCTION	0.04	0.65	324.75	0	05:16	0.65
39	JUNCTION	0.28	1.22	322.52	0	07:43	1.21
4	JUNCTION	0.00	0.07	325.07	0	05:15	0.07
40	JUNCTION	0.12	1.11	320.21	0	05:15	1.11
42	JUNCTION	0.08	0.77	322.87	0	05:29	0.77
48	JUNCTION	0.12	1.10	325.70	0	05:15	1.09
49	JUNCTION	0.20	1.10	322.70	0	09:30	1.10
5	JUNCTION	0.10	0.65	330.15	0	06:13	0.65
50	JUNCTION	0.24	0.81	318.91	0	06:30	0.81
53	JUNCTION	0.59	1.49	315.59	0	10:54	1.48
54	JUNCTION	0.53	1.25	315.18	0	11:59	1.25
56	JUNCTION	0.82	1.67	302.77	0	13:38	1.66
6	JUNCTION	0.10	0.74	329.74	0	05:15	0.73
7	JUNCTION	0.41	1.56	319.66	0	07:30	1.56
8	JUNCTION	0.31	2.32	323.28	0	05:15	2.32
9	JUNCTION	0.25	2.03	322.43	0	05:16	2.02
MHEasement1	JUNCTION	0.02	0.26	319.33	0	05:15	0.26
MHEasement2	JUNCTION	0.03	0.41	319.11	0	05:15	0.41
MHSchool	JUNCTION	0.03	0.47	329.02	0	05:15	0.47
MHSWM4	JUNCTION	0.04	0.65	319.90	0	05:15	0.64
PWOPRMHS0001369	JUNCTION	0.03	0.40	319.79	0	05:15	0.40
PWOPRMHS0001370	JUNCTION	0.01	0.22	319.49	0	05:15	0.22
PWOPRMHS0001371	JUNCTION	0.01	0.11	319.93	0	05:15	0.11
PWOPRMHS0001372	JUNCTION	0.00	0.00	320.15	0	00:00	0.00
PWOPRMHS0001373	JUNCTION	0.01	0.13	320.15	0	05:15	0.13
PWOPRMHS0001374	JUNCTION	0.01	0.20	319.89	0	05:15	0.20
PWOPRMHS0001375	JUNCTION	0.01	0.21	319.78	0	05:15	0.21
PWOPRMHS0001386	JUNCTION	0.05	0.49	319.10	0	05:15	0.49
PWOPRMHS0001387	JUNCTION	0.03	0.53	319.28	0	05:15	0.53
PWOPRMHS0001388	JUNCTION	0.04	0.46	319.39	0	05:15	0.46
PWOPRMHS0001389	JUNCTION	0.02	0.39	319.52	0	05:15	0.39
PWOPRMHS0001390	JUNCTION	0.01	0.15	317.64	0	05:15	0.15
PWOPRMHS0001391	JUNCTION	0.01	0.19	317.46	0	05:15	0.19
PWOPRMHS0001392	JUNCTION	0.01	0.10	318.28	0	05:15	0.10
PWOPRMHS0001393	JUNCTION	0.03	0.36	320.55	0	05:15	0.36
PWOPRMHS0001394	JUNCTION	0.01	0.20	317.06	0	05:15	0.20
PWOPRMHS0001395	JUNCTION	0.01	0.22	317.01	0	05:15	0.22
PWOPRMHS0001398	JUNCTION	0.01	0.22	317.49	0	05:15	0.22
PWOPRMHS0001399	JUNCTION	0.01	0.21	317.36	0	05:15	0.21
PWOPRMHS0001400	JUNCTION	0.01	0.22	317.21	0	05:15	0.21

PWOPRMHS0001401	JUNCTION	0.01	0.17	316.84	0	05:15	0.17
PWOPRMHS0001402	JUNCTION	0.02	0.26	316.76	0	05:15	0.26
PWOPRMHS0001403	JUNCTION	0.02	0.36	322.06	0	05:15	0.36
PWOPRMHS0001404	JUNCTION	0.02	0.30	320.84	0	05:15	0.30
PWOPRMHS0001408	JUNCTION	0.02	0.28	321.11	0	05:15	0.28
PWOPRMHS0001409	JUNCTION	0.01	0.12	327.93	0	05:15	0.12
PWOPRMHS0001410	JUNCTION	0.04	0.63	327.10	0	05:15	0.63
PWOPRMHS0001411	JUNCTION	0.02	0.20	327.67	0	05:15	0.20
PWOPRMHS0001412	JUNCTION	0.01	0.13	331.82	0	05:15	0.13
PWOPRMHS0001413	JUNCTION	0.02	0.26	332.00	0	05:15	0.26
PWOPRMHS0001415	JUNCTION	0.03	0.39	320.07	0	05:15	0.39
PWOPRMHS0001416	JUNCTION	0.05	0.78	319.77	0	05:15	0.78
PWOPRMHS0001418	JUNCTION	0.05	0.90	319.63	0	05:15	0.90
PWOPRMHS0001419	JUNCTION	0.01	0.17	320.16	0	05:15	0.17
PWOPRMHS0001420	JUNCTION	0.01	0.14	320.64	0	05:15	0.14
PWOPRMHS0001421	JUNCTION	0.01	0.14	321.08	0	05:15	0.14
PWOPRMHS0001422	JUNCTION	0.01	0.22	320.50	0	05:15	0.22
PWOPRMHS0001423	JUNCTION	0.01	0.19	320.62	0	05:15	0.19
PWOPRMHS0001424	JUNCTION	0.01	0.16	321.12	0	05:15	0.16
PWOPRMHS0001428	JUNCTION	0.00	0.00	323.21	0	00:00	0.00
PWOPRMHS0001429	JUNCTION	0.01	0.13	321.48	0	05:15	0.13
PWOPRMHS0001430	JUNCTION	0.00	0.00	321.23	0	00:00	0.00
PWOPRMHS0001431	JUNCTION	0.00	0.00	323.01	0	00:00	0.00
PWOPRMHS0001433	JUNCTION	0.01	0.15	319.93	0	04:43	0.15
PWOPRMHS0001435	JUNCTION	0.01	0.08	319.72	0	05:15	0.08
PWOPRMHS0001436	JUNCTION	0.07	1.11	319.46	0	05:15	1.11
PWOPRMHS0001437	JUNCTION	0.02	0.38	319.76	0	05:15	0.38
PWOPRMHS0001438	JUNCTION	0.06	0.96	319.16	0	05:15	0.96
PWOPRMHS0001467	JUNCTION	0.02	0.21	321.13	0	05:15	0.21
PWOPRMHS0001597	JUNCTION	0.00	0.00	324.78	0	00:00	0.00
PWOPRMHS0001598	JUNCTION	0.02	0.27	325.76	0	05:15	0.27
PWOPRMHS0001600	JUNCTION	0.02	0.26	324.92	0	05:15	0.26
PWOPRMHS0001601	JUNCTION	0.02	0.18	326.33	0	05:15	0.18
PWOPRMHS0001602	JUNCTION	0.02	0.19	326.17	0	04:45	0.19
PWOPRMHS0001603	JUNCTION	0.02	0.34	324.57	0	05:15	0.34
PWOPRMHS0001604	JUNCTION	0.03	0.50	324.45	0	05:15	0.50
PWOPRMHS0001605	JUNCTION	0.02	0.23	324.57	0	05:15	0.23
PWOPRMHS0001606	JUNCTION	0.06	0.89	324.46	0	05:15	0.89
PWOPRMHS0001608	JUNCTION	0.05	0.82	326.49	0	05:15	0.82
PWOPRMHS0001610	JUNCTION	0.02	0.30	325.74	0	05:15	0.30
PWOPRMHS0001611	JUNCTION	0.03	1.25	324.12	0	05:14	0.81
PWOPRMHS0001614	JUNCTION	0.04	0.77	323.68	0	05:11	0.72
PWOPRMHS0001622	JUNCTION	0.01	0.08	332.81	0	05:15	0.08
PWOPRMHS0001624	JUNCTION	0.01	0.20	331.12	0	05:15	0.20
PWOPRMHS0001625	JUNCTION	0.01	0.21	330.82	0	05:15	0.21
PWOPRMHS0001626	JUNCTION	0.25	0.40	331.40	0	05:15	0.40
PWOPRMHS0001634	JUNCTION	0.04	0.58	326.79	0	05:15	0.58
PWOPRMHS0001642	JUNCTION	0.01	0.53	323.80	0	05:11	0.43
PWOPRMHS0001643	JUNCTION	0.01	0.27	323.65	0	05:11	0.22
PWOPRMHS0001649	JUNCTION	0.02	0.21	329.42	0	05:15	0.21
PWOPRMHS0001650	JUNCTION	0.01	0.19	329.76	0	05:15	0.19
PWOPRMHS0001651	JUNCTION	0.01	0.18	330.46	0	05:15	0.18
PWOPRMHS0001652	JUNCTION	0.01	0.22	327.11	0	05:15	0.22
PWOPRMHS0001653	JUNCTION	0.02	0.28	325.52	0	05:15	0.28
PWOPRMHS0001654	JUNCTION	0.02	0.27	325.18	0	05:15	0.27
PWOPRMHS0001655	JUNCTION	0.01	0.09	330.09	0	05:15	0.09
PWOPRMHS0001657	JUNCTION	0.02	0.35	324.93	0	05:15	0.35

PWOPRMHS0001658	JUNCTION	0.01	0.23	325.15	0	05:15	0.23
PWOPRMHS0001659	JUNCTION	0.02	0.26	325.57	0	05:15	0.26
PWOPRMHS0001660	JUNCTION	0.03	0.60	324.70	0	05:15	0.60
PWOPRMHS0001661B	JUNCTION	0.03	0.61	324.92	0	05:15	0.61
PWOPRMHS0001662	JUNCTION	0.04	0.55	324.50	0	05:15	0.55
PWOPRMHS0001663	JUNCTION	0.05	0.83	324.89	0	05:15	0.83
PWOPRMHS0001664	JUNCTION	0.02	0.22	326.57	0	05:15	0.22
PWOPRMHS0001667	JUNCTION	0.07	1.07	324.22	0	05:16	1.07
PWOPRMHS0001670	JUNCTION	0.04	0.51	323.43	0	05:14	0.51
PWOPRMHS0001674	JUNCTION	0.05	0.68	326.56	0	05:15	0.68
PWOPRMHS0001676	JUNCTION	0.03	0.49	326.82	0	05:15	0.49
PWOPRMHS0001677	JUNCTION	0.02	0.39	326.98	0	05:15	0.39
PWOPRMHS0001678	JUNCTION	0.01	0.15	327.16	0	05:15	0.15
PWOPRMHS0001679	JUNCTION	0.02	0.28	336.17	0	05:15	0.28
PWOPRMHS0001680	JUNCTION	0.02	0.36	335.42	0	05:15	0.36
PWOPRMHS0001682	JUNCTION	0.02	0.36	328.46	0	05:15	0.36
PWOPRMHS0001686	JUNCTION	0.02	0.42	328.97	0	05:15	0.42
PWOPRMHS0001687	JUNCTION	0.05	0.77	327.17	0	05:15	0.77
PWOPRMHS0001688	JUNCTION	0.05	0.92	327.02	0	05:15	0.92
PWOPRMHS0001689	JUNCTION	0.05	0.85	327.46	0	05:15	0.85
PWOPRMHS0001690	JUNCTION	0.05	0.83	327.57	0	05:15	0.83
PWOPRMHS0001691	JUNCTION	0.04	0.70	327.69	0	05:15	0.70
PWOPRMHS0001692	JUNCTION	0.04	0.62	328.19	0	05:15	0.61
PWOPRMHS0001695	JUNCTION	0.02	0.27	322.52	0	05:15	0.27
PWOPRMHS0001697	JUNCTION	0.02	0.22	324.13	0	05:15	0.22
PWOPRMHS0001705	JUNCTION	0.01	0.11	328.64	0	05:15	0.11
PWOPRMHS0001706	JUNCTION	0.02	0.26	327.40	0	05:15	0.26
PWOPRMHS0001713	JUNCTION	0.03	0.46	325.97	0	05:15	0.46
PWOPRMHS0001729	JUNCTION	0.02	0.34	329.42	0	05:15	0.34
PWOPRMHS0001732	JUNCTION	0.02	0.34	329.32	0	05:15	0.34
PWOPRMHS0001733	JUNCTION	0.01	0.13	324.18	0	05:15	0.13
PWOPRMHS0001736	JUNCTION	0.02	0.33	323.73	0	05:09	0.33
PWOPRMHS0001739	JUNCTION	0.02	0.33	329.22	0	05:15	0.33
PWOPRMHS0001740	JUNCTION	0.02	0.35	329.07	0	05:15	0.35
PWOPRMHS0001741	JUNCTION	0.01	0.10	329.58	0	05:15	0.10
PWOPRMHS0001743	JUNCTION	0.04	0.65	327.94	0	05:15	0.65
PWOPRMHS0001744	JUNCTION	0.05	0.69	328.42	0	05:15	0.69
PWOPRMHS0001745	JUNCTION	0.04	0.67	328.73	0	05:15	0.67
PWOPRMHS0001746	JUNCTION	0.04	0.67	328.60	0	05:15	0.67
PWOPRMHS0001761	JUNCTION	0.00	0.00	329.15	0	00:00	0.00
PWOPRMHS0001764	JUNCTION	0.03	0.40	327.86	0	05:15	0.40
PWOPRMHS0001765	JUNCTION	0.02	0.25	328.29	0	05:15	0.25
PWOPRMHS0001766	JUNCTION	0.00	0.00	328.32	0	00:00	0.00
PWOPRMHS0001767	JUNCTION	0.03	0.39	327.64	0	05:15	0.39
PWOPRMHS0001768	JUNCTION	0.01	0.18	328.03	0	05:15	0.18
PWOPRMHS0001788	JUNCTION	0.03	0.51	323.45	0	05:15	0.51
PWOPRMHS0001791	JUNCTION	0.05	0.72	326.31	0	05:15	0.72
PWOPRMHS0001792	JUNCTION	0.04	0.60	325.84	0	05:15	0.60
PWOPRMHS0001796	JUNCTION	0.00	0.00	326.65	0	00:00	0.00
PWOPRMHS0001797	JUNCTION	0.01	0.17	326.57	0	05:15	0.17
PWOPRMHS0001798	JUNCTION	0.01	0.17	326.23	0	05:15	0.17
PWOPRMHS0001804	JUNCTION	0.00	0.06	332.04	0	05:15	0.06
PWOPRMHS0001836	JUNCTION	0.04	0.53	325.09	0	05:15	0.53
PWOPRMHS0001855	JUNCTION	0.02	0.24	326.45	0	05:15	0.24
PWOPRMHS0001856	JUNCTION	0.02	0.40	328.13	0	05:15	0.40
PWOPRMHS0001857	JUNCTION	0.02	0.24	322.67	0	05:15	0.24
PWOPRMHS0001858	JUNCTION	0.02	0.30	330.23	0	05:15	0.30

PWOPRMHS0001867	JUNCTION	0.01	0.10	332.04	0	05:15	0.10
PWOPRMHS0001874	JUNCTION	0.01	0.10	329.97	0	05:15	0.10
PWOPRMHS0001878	JUNCTION	0.02	0.34	323.62	0	05:09	0.33
PWOPRMHS0001879	JUNCTION	0.02	0.81	323.85	0	05:17	0.60
PWOPRMHS0001881	JUNCTION	0.01	0.20	323.77	0	05:15	0.19
PWOPRMHS0001889	JUNCTION	0.03	0.52	325.15	0	05:15	0.52
PWOPRMHS0001890	JUNCTION	0.03	0.50	325.02	0	05:15	0.50
PWOPRMHS0001891	JUNCTION	0.01	0.11	325.21	0	05:15	0.11
PWOPRMHS0001894	JUNCTION	0.03	0.54	324.77	0	05:15	0.54
PWOPRMHS0001903	JUNCTION	0.01	0.16	332.88	0	05:15	0.16
PWOPRMHS0001904	JUNCTION	0.02	0.27	330.71	0	05:15	0.27
PWOPRMHS0001906	JUNCTION	0.02	0.31	319.11	0	05:15	0.31
PWOPRMHS0001907	JUNCTION	0.02	0.32	319.15	0	05:15	0.32
PWOPRMHS0001908	JUNCTION	0.01	0.16	319.71	0	05:15	0.16
PWOPRMHS0001911	JUNCTION	0.02	0.31	318.80	0	05:15	0.31
PWOPRMHS0001912	JUNCTION	0.05	0.73	318.24	0	05:15	0.73
PWOPRMHS0001914	JUNCTION	0.01	0.15	331.98	0	05:15	0.15
PWOPRMHS0001915	JUNCTION	0.02	0.26	329.45	0	05:15	0.26
PWOPRMHS0001916	JUNCTION	0.02	0.30	327.89	0	05:15	0.30
PWOPRMHS0001917	JUNCTION	0.02	0.25	319.49	0	05:15	0.25
PWOPRMHS0001918	JUNCTION	0.07	1.00	318.81	0	05:16	0.99
PWOPRMHS0001919	JUNCTION	0.01	0.21	328.01	0	05:15	0.21
PWOPRMHS0001925	JUNCTION	0.02	0.33	323.66	0	05:15	0.33
PWOPRMHS0001926	JUNCTION	0.03	0.36	323.05	0	05:15	0.36
PWOPRMHS0001927	JUNCTION	0.01	0.16	323.67	0	05:15	0.16
PWOPRMHS0001928	JUNCTION	0.05	0.65	322.85	0	05:15	0.65
PWOPRMHS0001929	JUNCTION	0.02	0.25	324.10	0	05:15	0.25
PWOPRMHS0001930	JUNCTION	0.03	0.35	323.42	0	05:15	0.35
PWOPRMHS0001931	JUNCTION	0.01	0.20	325.19	0	05:15	0.20
PWOPRMHS0001932	JUNCTION	0.02	0.29	325.60	0	05:15	0.29
PWOPRMHS0001933	JUNCTION	0.02	0.28	325.94	0	05:15	0.28
PWOPRMHS0001935	JUNCTION	0.02	0.25	326.28	0	05:15	0.25
PWOPRMHS0001937	JUNCTION	0.02	0.23	324.51	0	05:15	0.23
PWOPRMHS0001939	JUNCTION	0.01	0.11	327.62	0	05:15	0.11
PWOPRMHS0001941	JUNCTION	0.00	0.00	326.79	0	00:00	0.00
PWOPRMHS0001943	JUNCTION	0.02	0.24	326.66	0	05:15	0.24
PWOPRMHS0001944	JUNCTION	0.03	0.39	323.03	0	05:15	0.39
PWOPRMHS0001945	JUNCTION	0.00	0.00	323.32	0	00:00	0.00
PWOPRMHS0001947	JUNCTION	0.01	0.10	324.12	0	05:15	0.10
PWOPRMHS0002041	JUNCTION	0.02	0.24	329.31	0	05:15	0.24
PWOPRMHS0002042	JUNCTION	0.02	0.27	329.83	0	05:15	0.27
PWOPRMHS0002046	JUNCTION	0.00	0.07	330.79	0	05:15	0.07
PWOPRMHS0002050	JUNCTION	0.02	0.23	329.20	0	05:15	0.23
PWOPRMHS0002051	JUNCTION	0.04	0.62	328.89	0	05:15	0.62
PWOPRMHS0002080	JUNCTION	0.01	0.19	325.42	0	05:15	0.19
PWOPRMHS0002082	JUNCTION	0.01	0.20	326.91	0	05:15	0.20
PWOPRMHS0002083	JUNCTION	0.02	0.28	325.60	0	05:15	0.28
PWOPRMHS0002084	JUNCTION	0.03	0.43	325.40	0	05:15	0.43
PWOPRMHS0002085	JUNCTION	0.01	0.11	329.50	0	05:15	0.11
PWOPRMHS0002095	JUNCTION	0.01	0.12	336.16	0	05:15	0.12
PWOPRMHS0003136	JUNCTION	0.03	0.49	329.38	0	05:15	0.49
PWOPRMHS0003137	JUNCTION	0.02	0.37	329.87	0	05:15	0.37
PWOPRMHS0003140	JUNCTION	0.00	0.00	327.35	0	00:00	0.00
PWOPRMHS0003146	JUNCTION	0.03	0.52	335.12	0	05:15	0.52
PWOPRMHS0003147	JUNCTION	0.02	0.28	334.07	0	05:15	0.28
PWOPRMHS0003148	JUNCTION	0.02	0.40	332.29	0	05:15	0.40
PWOPRMHS0003149	JUNCTION	0.02	0.33	331.19	0	05:15	0.33

PWOPRMHS0003153	JUNCTION	0.02	0.26	336.42	0	05:15	0.26
PWOPRMHS0003160	JUNCTION	0.01	0.15	335.65	0	05:15	0.15
PWOPRMHS0004129	JUNCTION	0.01	0.22	329.29	0	05:15	0.22
PWOPRMHS0004130	JUNCTION	0.02	0.34	329.17	0	05:15	0.34
PWOPRMHS0004131	JUNCTION	0.02	0.27	328.84	0	05:15	0.27
PWOPRMHS0004132	JUNCTION	0.02	0.39	328.52	0	05:15	0.39
PWOPRMHS0004133	JUNCTION	0.02	0.29	329.08	0	05:15	0.29
PWOPRMHS0004134	JUNCTION	0.01	0.17	332.11	0	05:15	0.17
PWOPRMHS0004135	JUNCTION	0.01	0.22	332.65	0	05:15	0.22
PWOPRMHS0004137	JUNCTION	0.01	0.16	334.54	0	05:15	0.16
PWOPRMHS0004141	JUNCTION	0.03	0.49	327.87	0	05:15	0.49
PWOPRMHS0004142	JUNCTION	0.03	0.45	327.49	0	05:15	0.45
PWOPRMHS0004143	JUNCTION	0.01	0.15	327.93	0	05:15	0.15
PWOPRMHS0004146	JUNCTION	0.00	0.00	332.40	0	00:00	0.00
PWOPRMHS0004159	JUNCTION	0.01	0.20	329.83	0	05:15	0.20
PWOPRMHS0004201	JUNCTION	0.01	0.19	329.71	0	05:15	0.19
PWOPRMHS0004998	JUNCTION	0.00	0.03	326.76	0	05:15	0.03
PWOPRMHS0004999	JUNCTION	0.00	0.03	327.52	0	05:15	0.03
PWOPRMHS0005000	JUNCTION	0.02	0.21	327.20	0	05:15	0.21
PWOPRMHS0005001	JUNCTION	0.03	0.30	327.42	0	05:15	0.30
PWOPRMHS0005003	JUNCTION	0.05	0.76	326.95	0	05:15	0.76
PWOPRMHS0005008	JUNCTION	0.01	0.10	338.62	0	05:15	0.10
PWOPRMHS0005009	JUNCTION	0.00	0.08	339.47	0	05:15	0.08
PWOPRMHS0005010	JUNCTION	0.01	0.09	338.23	0	05:15	0.09
PWOPRMHS0005011	JUNCTION	0.01	0.23	335.21	0	05:15	0.23
PWOPRMHS0005012	JUNCTION	0.01	0.12	335.67	0	05:15	0.12
PWOPRMHS0005013	JUNCTION	0.01	0.20	335.00	0	05:15	0.20
PWOPRMHS0005178	JUNCTION	0.00	0.04	328.68	0	05:15	0.04
PWOPRMHS0005179	JUNCTION	0.03	0.45	326.65	0	05:15	0.45
PWOPRMHS0005181	JUNCTION	0.03	0.47	327.13	0	05:15	0.47
PWOPRMHS0005183	JUNCTION	0.02	0.35	328.09	0	05:15	0.35
PWOPRMHS0005188	JUNCTION	0.01	0.20	330.14	0	05:15	0.20
PWOPRMHS0005196	JUNCTION	0.01	0.17	328.38	0	05:15	0.17
PWOPRMHS0005223	JUNCTION	0.03	0.44	326.28	0	05:15	0.44
PWOPRMHS0005226	JUNCTION	0.03	0.44	325.90	0	05:15	0.44
PWOPRMHS0005229	JUNCTION	0.01	0.18	324.92	0	05:15	0.18
PWOPRMHS0005230	JUNCTION	0.02	0.31	324.86	0	05:15	0.31
PWOPRMHS0005231	JUNCTION	0.01	0.17	325.41	0	05:15	0.17
PWOPRMHS0005906	JUNCTION	0.00	0.00	319.63	0	00:00	0.00
PWOPRMHS0005908	JUNCTION	0.01	0.12	319.04	0	05:15	0.12
PWOPRMHS0005909	JUNCTION	0.02	0.22	318.66	0	05:15	0.22
PWOPRMHS0005910	JUNCTION	0.00	0.00	318.95	0	00:00	0.00
PWOPRMHS0005911	JUNCTION	0.00	0.00	319.29	0	00:00	0.00
PWOPRMHS0005924	JUNCTION	0.01	0.17	318.77	0	05:15	0.17
PWOPRMHS0005926	JUNCTION	0.02	0.27	318.32	0	05:15	0.27
PWOPRMHS0005927	JUNCTION	0.02	0.35	318.11	0	05:15	0.35
PWOPRMHS0005930	JUNCTION	0.03	0.39	317.64	0	05:15	0.39
PWOPRMHS0005931	JUNCTION	0.01	0.20	317.90	0	05:15	0.20
PWOPRMHS0005932	JUNCTION	0.01	0.13	318.01	0	05:15	0.13
PWOPRMHS0005944	JUNCTION	0.01	0.12	318.44	0	05:15	0.12
PWOPRMHS0005945	JUNCTION	0.01	0.20	318.42	0	05:15	0.20
PWOPRMHS0005946	JUNCTION	0.01	0.18	318.68	0	05:15	0.18
SWMPOND	JUNCTION	0.04	0.52	322.52	0	05:15	0.52
A1_OVERFLOW	OUTFALL	0.00	0.02	317.02	0	05:16	0.02
A2_OVERFLOW	OUTFALL	0.00	0.00	329.00	0	00:00	0.00
A3_OVERFLOW	OUTFALL	0.02	0.35	326.35	0	06:15	0.34
A4_OVERFLOW	OUTFALL	0.13	0.95	317.95	0	07:30	0.95

B1_OVERFLOW	OUTFALL	0.00	0.05	324.05	0	05:16	0.05
B2_OVERFLOW	OUTFALL	0.01	0.17	322.17	0	05:30	0.17
C1_OVERFLOW	OUTFALL	0.02	0.50	319.50	0	05:15	0.50
D1_OVERFLOW	OUTFALL	0.02	0.49	324.99	0	05:15	0.48
D2_OVERFLOW	OUTFALL	0.03	0.21	321.21	0	06:15	0.21
D3_OVERFLOW	OUTFALL	0.05	0.49	321.99	0	09:30	0.48
D4_OVERFLOW	OUTFALL	0.03	0.21	318.21	0	06:30	0.21
E1_OVERFLOW	OUTFALL	0.24	0.88	314.88	0	10:55	0.87
E2_OVERFLOW	OUTFALL	0.17	0.64	314.54	0	12:00	0.64
HanlonCreek	OUTFALL	0.00	0.00	300.00	0	00:00	0.00
S_A1	STORAGE	0.04	0.49	331.49	0	05:31	0.49
S_A2	STORAGE	0.08	0.53	330.53	0	06:13	0.53
S_A3	STORAGE	0.11	0.53	326.53	0	07:24	0.53
S_A4	STORAGE	0.36	1.04	319.04	0	09:18	1.04
S_B1	STORAGE	0.04	0.60	324.60	0	05:20	0.60
S_B2	STORAGE	0.10	0.79	322.79	0	06:02	0.78
S_C1	STORAGE	0.13	0.94	319.94	0	05:37	0.94
S_D1	STORAGE	0.13	0.66	325.16	0	06:26	0.66
S_D2	STORAGE	0.15	0.55	321.55	0	06:52	0.54
S_D3	STORAGE	0.22	1.05	322.55	0	07:52	1.05
S_D4	STORAGE	0.27	0.85	318.85	0	05:18	0.85
S_E1	STORAGE	0.68	1.66	315.66	0	10:56	1.61
S_E2	STORAGE	0.32	0.77	314.67	0	12:00	0.77

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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	
1	JUNCTION	4.783	4.783	0	05:15	27.6	27.6	-0.015	
11	JUNCTION	0.000	11.430	0	09:18	0	363	0.005	
12	JUNCTION	0.000	11.430	0	09:19	0	363	0.004	
13	JUNCTION	0.000	16.288	0	09:08	0	536	0.008	
14	JUNCTION	2.795	6.347	0	05:15	5.64	33.2	0.008	
15	JUNCTION	0.000	16.315	0	10:55	0	547	-0.029	
17	JUNCTION	0.000	13.826	0	12:00	0	552	-0.002	
18	JUNCTION	0.711	11.354	0	05:14	3.6	44.1	-0.173	
19	JUNCTION	0.000	4.253	0	05:20	0	22.5	0.014	
2	JUNCTION	28.505	28.505	0	05:15	166	166	-0.058	
20	JUNCTION	4.103	8.562	0	05:20	9.3	50.1	0.013	
21	JUNCTION	5.464	12.494	0	06:15	35.6	248	0.002	
22	JUNCTION	0.000	6.187	0	05:17	0	64.1	-0.002	
24	JUNCTION	0.275	10.917	0	05:14	0.87	83.1	0.069	
25	JUNCTION	0.000	7.735	0	05:16	0	64.1	0.005	
26	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
27	JUNCTION	12.956	12.956	0	05:15	80.8	80.8	-0.023	
28	JUNCTION	19.449	24.190	0	06:15	130	197	0.016	
29	JUNCTION	0.000	5.602	0	06:26	0	85.7	0.004	
3	JUNCTION	2.218	5.982	0	05:15	11.1	40.8	-0.022	
30	JUNCTION	0.000	4.974	0	06:52	0	140	0.001	
31	JUNCTION	0.000	4.927	0	06:52	0	140	0.001	

32	JUNCTION	0.000	4.906	0	06:53	0	140	0.001	
34	JUNCTION	0.000	5.878	0	05:19	0	164	0.001	
35	JUNCTION	0.000	5.878	0	05:19	0	164	0.003	
36	JUNCTION	0.041	7.322	0	05:17	0.14	172	0.009	
37	JUNCTION	1.567	5.648	0	05:16	4.79	23.8	-0.003	
39	JUNCTION	0.000	6.410	0	08:02	0	127	0.019	
4	JUNCTION	0.112	0.112	0	05:15	0.598	0.598	-0.120	
40	JUNCTION	54.221	54.221	0	05:15	274	274	0.007	
42	JUNCTION	11.225	16.855	0	05:30	42.8	85.6	0.021	
48	JUNCTION	34.666	38.639	0	05:15	135	216	0.018	
49	JUNCTION	45.962	45.962	0	09:30	522	523	0.015	
5	JUNCTION	0.000	3.728	0	06:13	0	42.5	0.023	
50	JUNCTION	17.181	21.992	0	06:30	274	414	0.002	
53	JUNCTION	182.109	195.637	0	11:05	4.72e+03	5.26e+03	0.005	
54	JUNCTION	102.004	114.007	0	11:59	2.42e+03	2.97e+03	0.018	
56	JUNCTION	4.598	13.261	0	13:36	15	567	0.036	
6	JUNCTION	4.245	6.263	0	05:15	23.6	66.2	-0.015	
7	JUNCTION	174.552	188.272	0	07:30	2.16e+03	2.63e+03	0.009	
8	JUNCTION	6.567	37.519	0	05:15	41.5	297	-0.004	
9	JUNCTION	0.116	47.122	0	05:15	0.622	381	-0.019	
MHEasement1	JUNCTION	0.050	0.388	0	05:15	0.2	1.52	-0.019	
MHEasement2	JUNCTION	0.117	0.505	0	05:15	0.437	1.96	0.009	
MHSchool	JUNCTION	0.000	1.039	0	05:15	0	4.78	0.000	
MHSWM4	JUNCTION	0.039	2.454	0	05:15	0.125	10.9	0.002	
PWOPRMHS0001369	JUNCTION	0.000	1.004	0	05:15	0	4.16	0.013	
PWOPRMHS0001370	JUNCTION	0.000	0.339	0	05:15	0	1.32	-0.004	
PWOPRMHS0001371	JUNCTION	0.109	0.109	0	05:15	0.414	0.414	-0.001	
PWOPRMHS0001372	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001373	JUNCTION	0.000	0.216	0	05:15	0	0.839	-0.001	
PWOPRMHS0001374	JUNCTION	0.041	0.230	0	05:15	0.162	0.906	-0.000	
PWOPRMHS0001375	JUNCTION	0.000	0.230	0	05:15	0	0.906	0.004	
PWOPRMHS0001386	JUNCTION	0.000	1.803	0	05:15	0	7.3	-0.061	
PWOPRMHS0001387	JUNCTION	0.000	1.300	0	05:15	0	5.34	-0.003	
PWOPRMHS0001388	JUNCTION	0.111	1.301	0	05:15	0.417	5.34	-0.003	
PWOPRMHS0001389	JUNCTION	0.190	1.191	0	05:15	0.764	4.92	0.003	
PWOPRMHS0001390	JUNCTION	0.076	0.076	0	05:15	0.338	0.338	-0.002	
PWOPRMHS0001391	JUNCTION	0.000	0.165	0	05:15	0	0.673	-0.003	
PWOPRMHS0001392	JUNCTION	0.089	0.089	0	05:15	0.335	0.335	-0.001	
PWOPRMHS0001393	JUNCTION	0.164	0.788	0	05:15	0.784	3.32	0.010	
PWOPRMHS0001394	JUNCTION	0.000	0.164	0	05:15	0	0.673	-0.003	
PWOPRMHS0001395	JUNCTION	0.218	0.218	0	05:15	0.785	0.785	-0.002	
PWOPRMHS0001398	JUNCTION	0.226	0.226	0	05:15	0.834	0.834	0.002	
PWOPRMHS0001399	JUNCTION	0.000	0.226	0	05:15	0	0.834	-0.005	
PWOPRMHS0001400	JUNCTION	0.000	0.226	0	05:15	0	0.834	0.003	
PWOPRMHS0001401	JUNCTION	0.107	0.332	0	05:15	0.392	1.23	-0.392	
PWOPRMHS0001402	JUNCTION	0.082	0.463	0	05:15	0.325	1.78	-0.372	
PWOPRMHS0001403	JUNCTION	0.288	2.417	0	05:15	1.25	10.8	-0.001	
PWOPRMHS0001404	JUNCTION	0.000	0.625	0	05:15	0	2.54	-0.056	
PWOPRMHS0001408	JUNCTION	0.386	0.386	0	05:15	1.41	1.41	-0.002	
PWOPRMHS0001409	JUNCTION	0.123	0.123	0	05:15	0.492	0.492	-0.001	
PWOPRMHS0001410	JUNCTION	0.082	1.390	0	05:15	0.348	6.38	-0.006	
PWOPRMHS0001411	JUNCTION	0.043	0.345	0	05:15	0.214	1.97	-0.000	
PWOPRMHS0001412	JUNCTION	0.021	0.302	0	05:15	0.116	1.76	-0.000	
PWOPRMHS0001413	JUNCTION	0.241	0.241	0	05:15	1.43	1.43	-0.001	
PWOPRMHS0001415	JUNCTION	0.000	1.003	0	05:15	0	4.16	-0.004	
PWOPRMHS0001416	JUNCTION	0.000	2.453	0	05:15	0	10.9	-0.004	
PWOPRMHS0001418	JUNCTION	0.107	2.905	0	05:15	0.475	12.7	-0.020	

PWOPRMHS0001419	JUNCTION	0.000	0.189	0	05:15	0	0.744	-0.001	
PWOPRMHS0001420	JUNCTION	0.037	0.189	0	05:15	0.143	0.744	-0.000	
PWOPRMHS0001421	JUNCTION	0.000	0.153	0	05:15	0	0.601	-0.000	
PWOPRMHS0001422	JUNCTION	0.025	0.216	0	05:15	0.104	0.839	-0.050	
PWOPRMHS0001423	JUNCTION	0.025	0.191	0	05:15	0.096	0.735	0.016	
PWOPRMHS0001424	JUNCTION	0.166	0.166	0	05:15	0.639	0.639	-0.001	
PWOPRMHS0001428	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001429	JUNCTION	0.153	0.153	0	05:15	0.601	0.601	-0.001	
PWOPRMHS0001430	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001431	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001433	JUNCTION	0.350	0.350	0	05:15	1.32	1.32	0.036	
PWOPRMHS0001435	JUNCTION	0.054	0.054	0	05:15	0.284	0.284	-0.001	
PWOPRMHS0001436	JUNCTION	0.053	3.977	0	05:15	0.214	17.6	0.017	
PWOPRMHS0001437	JUNCTION	0.000	1.026	0	05:15	0	4.75	0.017	
PWOPRMHS0001438	JUNCTION	0.000	4.026	0	05:15	0	17.9	-0.006	
PWOPRMHS0001467	JUNCTION	0.241	0.241	0	05:15	1.13	1.13	0.106	
PWOPRMHS0001597	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001598	JUNCTION	0.146	0.343	0	05:15	0.963	2.3	-0.010	
PWOPRMHS0001600	JUNCTION	0.352	0.352	0	05:15	1.64	1.64	-0.033	
PWOPRMHS0001601	JUNCTION	0.176	0.176	0	05:15	1.18	1.18	-0.001	
PWOPRMHS0001602	JUNCTION	0.014	0.198	0	05:15	0.103	1.34	0.047	
PWOPRMHS0001603	JUNCTION	0.019	0.371	0	05:15	0.131	1.78	-0.012	
PWOPRMHS0001604	JUNCTION	0.024	0.639	0	05:15	0.171	3.05	-0.022	
PWOPRMHS0001605	JUNCTION	0.244	0.244	0	05:15	1.11	1.11	0.022	
PWOPRMHS0001606	JUNCTION	0.120	3.382	0	05:15	0.505	16.2	0.021	
PWOPRMHS0001608	JUNCTION	0.000	2.287	0	05:15	0	10.4	-0.040	
PWOPRMHS0001610	JUNCTION	0.000	2.626	0	05:15	0	12.7	-0.005	
PWOPRMHS0001611	JUNCTION	0.023	3.980	0	05:14	0.09	4.75	1.792	
PWOPRMHS0001614	JUNCTION	0.020	2.045	0	05:13	0.0907	3.35	-0.723	
PWOPRMHS0001622	JUNCTION	0.039	0.039	0	05:15	0.209	0.209	-0.002	
PWOPRMHS0001624	JUNCTION	0.000	0.241	0	05:15	0	1.25	-0.001	
PWOPRMHS0001625	JUNCTION	0.081	0.321	0	05:15	0.342	1.59	-0.000	
PWOPRMHS0001626	JUNCTION	0.241	0.241	0	05:15	1.25	1.25	0.023	
PWOPRMHS0001634	JUNCTION	0.090	1.479	0	05:15	0.368	6.75	0.073	
PWOPRMHS0001642	JUNCTION	0.020	0.860	0	05:11	0.123	1.07	0.881	
PWOPRMHS0001643	JUNCTION	0.033	0.193	0	05:15	0.126	0.781	-0.144	
PWOPRMHS0001649	JUNCTION	0.036	0.475	0	05:15	0.189	2.31	-0.002	
PWOPRMHS0001650	JUNCTION	0.000	0.334	0	05:15	0	1.65	-0.001	
PWOPRMHS0001651	JUNCTION	0.013	0.335	0	05:15	0.0592	1.65	-0.000	
PWOPRMHS0001652	JUNCTION	0.000	0.475	0	05:15	0	2.31	-0.000	
PWOPRMHS0001653	JUNCTION	0.000	0.475	0	05:15	0	2.3	-0.010	
PWOPRMHS0001654	JUNCTION	0.000	0.475	0	05:15	0	2.31	0.028	
PWOPRMHS0001655	JUNCTION	0.105	0.105	0	05:15	0.462	0.462	0.008	
PWOPRMHS0001657	JUNCTION	0.013	0.710	0	05:15	0.0688	2.97	0.020	
PWOPRMHS0001658	JUNCTION	0.181	0.181	0	05:15	0.768	0.768	-0.001	
PWOPRMHS0001659	JUNCTION	0.516	0.516	0	05:15	2.13	2.13	-0.001	
PWOPRMHS0001660	JUNCTION	0.029	1.180	0	05:15	0.123	4.69	0.003	
PWOPRMHS0001661B	JUNCTION	0.773	1.247	0	05:15	2.94	5.25	0.000	
PWOPRMHS0001662	JUNCTION	0.135	3.281	0	05:15	0.478	13.5	-0.044	
PWOPRMHS0001663	JUNCTION	0.012	1.968	0	05:15	0.0753	8.29	-0.018	
PWOPRMHS0001664	JUNCTION	0.000	0.475	0	05:15	0	2.31	0.018	
PWOPRMHS0001667	JUNCTION	0.000	3.381	0	05:15	0	16.2	-0.029	
PWOPRMHS0001670	JUNCTION	0.037	3.410	0	05:16	0.221	16.5	0.062	
PWOPRMHS0001674	JUNCTION	0.000	4.054	0	05:15	0	18	0.002	
PWOPRMHS0001676	JUNCTION	0.030	0.646	0	05:15	0.118	2.88	-0.012	
PWOPRMHS0001677	JUNCTION	0.046	0.616	0	05:15	0.215	2.76	0.006	
PWOPRMHS0001678	JUNCTION	0.200	0.200	0	05:15	0.892	0.892	0.004	

PWOPRMHS0001679	JUNCTION	0.000	0.380	0	05:15	0	1.59	0.001	
PWOPRMHS0001680	JUNCTION	0.046	0.674	0	05:15	0.194	2.89	-0.020	
PWOPRMHS0001682	JUNCTION	0.080	1.288	0	05:15	0.357	5.54	-0.008	
PWOPRMHS0001686	JUNCTION	0.036	1.152	0	05:15	0.157	4.94	-0.000	
PWOPRMHS0001687	JUNCTION	0.000	3.271	0	05:15	0	14.6	0.002	
PWOPRMHS0001688	JUNCTION	0.043	3.410	0	05:15	0.163	15.1	-0.000	
PWOPRMHS0001689	JUNCTION	0.048	3.272	0	05:15	0.214	14.6	0.013	
PWOPRMHS0001690	JUNCTION	0.027	1.938	0	05:15	0.105	8.81	0.000	
PWOPRMHS0001691	JUNCTION	0.082	1.912	0	05:15	0.32	8.71	-0.001	
PWOPRMHS0001692	JUNCTION	0.047	1.590	0	05:15	0.191	7.45	0.000	
PWOPRMHS0001695	JUNCTION	0.234	0.234	0	05:15	1.1	1.1	-0.035	
PWOPRMHS0001697	JUNCTION	0.241	0.241	0	05:15	1.04	1.04	-0.003	
PWOPRMHS0001705	JUNCTION	0.101	0.101	0	05:15	0.395	0.395	-0.002	
PWOPRMHS0001706	JUNCTION	0.371	0.371	0	05:15	1.65	1.65	-0.002	
PWOPRMHS0001713	JUNCTION	0.101	4.151	0	05:15	0.379	18.4	-0.008	
PWOPRMHS0001729	JUNCTION	0.000	0.359	0	05:15	0	1.69	-0.000	
PWOPRMHS0001732	JUNCTION	0.000	0.417	0	05:15	0	1.91	0.002	
PWOPRMHS0001733	JUNCTION	0.102	0.102	0	05:15	0.422	0.422	-0.001	
PWOPRMHS0001736	JUNCTION	0.034	0.375	0	05:15	0.132	1.59	-0.005	
PWOPRMHS0001739	JUNCTION	0.105	0.522	0	05:15	0.404	2.31	0.004	
PWOPRMHS0001740	JUNCTION	0.000	0.522	0	05:15	0	2.31	-0.001	
PWOPRMHS0001741	JUNCTION	0.057	0.057	0	05:15	0.228	0.228	-0.003	
PWOPRMHS0001743	JUNCTION	0.054	1.642	0	05:15	0.221	7.67	-0.025	
PWOPRMHS0001744	JUNCTION	0.000	1.545	0	05:15	0	7.26	-0.005	
PWOPRMHS0001745	JUNCTION	0.009	1.517	0	05:15	0.0475	7.14	-0.005	
PWOPRMHS0001746	JUNCTION	0.030	1.545	0	05:15	0.116	7.26	0.005	
PWOPRMHS0001761	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001764	JUNCTION	0.298	0.590	0	05:15	1.25	2.5	-0.004	
PWOPRMHS0001765	JUNCTION	0.293	0.293	0	05:15	1.24	1.24	-0.001	
PWOPRMHS0001766	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001767	JUNCTION	0.075	0.842	0	05:15	0.31	3.57	-0.002	
PWOPRMHS0001768	JUNCTION	0.179	0.179	0	05:15	0.758	0.758	-0.001	
PWOPRMHS0001788	JUNCTION	0.159	2.130	0	05:15	0.653	9.51	0.000	
PWOPRMHS0001791	JUNCTION	0.146	1.622	0	05:15	0.605	7.35	-0.068	
PWOPRMHS0001792	JUNCTION	0.079	1.889	0	05:15	0.323	8.5	-0.000	
PWOPRMHS0001796	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001797	JUNCTION	0.193	0.193	0	05:15	0.822	0.822	-0.001	
PWOPRMHS0001798	JUNCTION	0.000	0.193	0	05:15	0	0.822	-0.000	
PWOPRMHS0001804	JUNCTION	0.047	0.047	0	05:15	0.246	0.246	-0.002	
PWOPRMHS0001836	JUNCTION	0.089	1.975	0	05:15	0.359	8.86	-0.002	
PWOPRMHS0001855	JUNCTION	0.039	0.957	0	05:15	0.236	4.47	-0.000	
PWOPRMHS0001856	JUNCTION	0.000	0.748	0	05:15	0	3.27	-0.001	
PWOPRMHS0001857	JUNCTION	0.070	1.027	0	05:15	0.284	4.75	-0.001	
PWOPRMHS0001858	JUNCTION	0.044	0.740	0	05:15	0.244	3.22	-0.000	
PWOPRMHS0001867	JUNCTION	0.068	0.068	0	05:15	0.318	0.318	-0.001	
PWOPRMHS0001874	JUNCTION	0.059	0.059	0	05:15	0.219	0.219	-0.003	
PWOPRMHS0001878	JUNCTION	0.029	0.407	0	05:15	0.108	1.7	0.094	
PWOPRMHS0001879	JUNCTION	0.000	1.605	0	05:17	0	2.12	-0.290	
PWOPRMHS0001881	JUNCTION	0.159	0.159	0	05:15	0.656	0.656	0.069	
PWOPRMHS0001889	JUNCTION	0.036	0.761	0	05:15	0.145	3	-0.037	
PWOPRMHS0001890	JUNCTION	0.015	1.098	0	05:15	0.0903	4.36	0.052	
PWOPRMHS0001891	JUNCTION	0.096	0.096	0	05:15	0.382	0.382	-0.018	
PWOPRMHS0001894	JUNCTION	0.056	1.153	0	05:15	0.209	4.57	-0.039	
PWOPRMHS0001903	JUNCTION	0.341	0.341	0	05:15	1.44	1.44	-0.001	
PWOPRMHS0001904	JUNCTION	0.000	0.409	0	05:15	0	1.76	-0.001	
PWOPRMHS0001906	JUNCTION	0.029	0.519	0	05:15	0.132	2.03	-0.000	
PWOPRMHS0001907	JUNCTION	0.000	0.268	0	05:15	0	1.04	-0.000	

PWOPRMHS0001908	JUNCTION	0.222	0.222	0	05:15	0.859	0.859	-0.001	
PWOPRMHS0001911	JUNCTION	0.000	0.519	0	05:15	0	2.03	-0.000	
PWOPRMHS0001912	JUNCTION	0.167	4.783	0	05:15	0.508	20.8	-0.048	
PWOPRMHS0001914	JUNCTION	0.289	0.289	0	05:15	1.22	1.22	-0.001	
PWOPRMHS0001915	JUNCTION	0.008	0.747	0	05:15	0.0505	3.27	0.005	
PWOPRMHS0001916	JUNCTION	0.125	0.871	0	05:15	0.718	3.98	0.000	
PWOPRMHS0001917	JUNCTION	0.269	0.269	0	05:15	1.04	1.04	-0.005	
PWOPRMHS0001918	JUNCTION	0.102	4.122	0	05:16	0.307	18.2	-0.005	
PWOPRMHS0001919	JUNCTION	0.190	0.190	0	05:15	0.717	0.717	-0.001	
PWOPRMHS0001925	JUNCTION	0.123	0.767	0	05:15	0.577	3.7	0.019	
PWOPRMHS0001926	JUNCTION	0.000	0.767	0	05:15	0	3.7	-0.001	
PWOPRMHS0001927	JUNCTION	0.000	0.258	0	05:15	0	1.21	0.009	
PWOPRMHS0001928	JUNCTION	0.136	1.936	0	05:15	0.635	9.29	0.001	
PWOPRMHS0001929	JUNCTION	0.117	0.587	0	05:15	0.548	2.84	0.017	
PWOPRMHS0001930	JUNCTION	0.054	0.708	0	05:15	0.251	3.41	0.086	
PWOPRMHS0001931	JUNCTION	0.000	0.471	0	05:15	0	2.3	-0.000	
PWOPRMHS0001932	JUNCTION	0.000	0.471	0	05:15	0	2.3	-0.001	
PWOPRMHS0001933	JUNCTION	0.141	0.471	0	05:15	0.665	2.3	-0.001	
PWOPRMHS0001935	JUNCTION	0.000	0.330	0	05:15	0	1.63	-0.001	
PWOPRMHS0001937	JUNCTION	0.644	0.644	0	05:15	3.13	3.13	0.014	
PWOPRMHS0001939	JUNCTION	0.258	0.258	0	05:15	1.21	1.21	-0.001	
PWOPRMHS0001941	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001943	JUNCTION	0.330	0.330	0	05:15	1.63	1.63	-0.002	
PWOPRMHS0001944	JUNCTION	0.070	0.777	0	05:15	0.332	3.74	-0.107	
PWOPRMHS0001945	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001947	JUNCTION	0.067	0.067	0	05:15	0.316	0.316	-0.002	
PWOPRMHS0002041	JUNCTION	0.518	0.518	0	05:15	2.47	2.47	-0.000	
PWOPRMHS0002042	JUNCTION	0.359	0.359	0	05:15	1.69	1.69	-0.002	
PWOPRMHS0002046	JUNCTION	0.057	0.057	0	05:15	0.245	0.245	-0.001	
PWOPRMHS0002050	JUNCTION	0.320	0.320	0	05:15	1.7	1.7	-0.001	
PWOPRMHS0002051	JUNCTION	0.094	1.508	0	05:15	0.382	7.09	0.005	
PWOPRMHS0002080	JUNCTION	0.228	0.228	0	05:15	0.893	0.893	-0.002	
PWOPRMHS0002082	JUNCTION	0.399	0.399	0	05:15	1.53	1.53	0.073	
PWOPRMHS0002083	JUNCTION	0.000	0.576	0	05:15	0	2.31	-0.037	
PWOPRMHS0002084	JUNCTION	0.150	0.726	0	05:15	0.545	2.85	0.039	
PWOPRMHS0002085	JUNCTION	0.178	0.178	0	05:15	0.774	0.774	-0.001	
PWOPRMHS0002095	JUNCTION	0.248	0.248	0	05:15	1.1	1.1	-0.008	
PWOPRMHS0003136	JUNCTION	0.015	1.117	0	05:15	0.0653	4.78	-0.000	
PWOPRMHS0003137	JUNCTION	0.055	1.102	0	05:15	0.221	4.72	0.001	
PWOPRMHS0003140	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0003146	JUNCTION	0.025	0.925	0	05:15	0.117	3.99	0.034	
PWOPRMHS0003147	JUNCTION	0.000	0.923	0	05:15	0	3.99	-0.000	
PWOPRMHS0003148	JUNCTION	0.000	0.923	0	05:15	0	3.99	0.000	
PWOPRMHS0003149	JUNCTION	0.127	1.048	0	05:15	0.509	4.5	-0.000	
PWOPRMHS0003153	JUNCTION	0.381	0.381	0	05:15	1.59	1.59	-0.002	
PWOPRMHS0003160	JUNCTION	0.227	0.227	0	05:15	0.982	0.982	-0.001	
PWOPRMHS0004129	JUNCTION	0.239	0.239	0	05:15	0.975	0.975	-0.007	
PWOPRMHS0004130	JUNCTION	0.023	0.523	0	05:15	0.108	2.15	-0.005	
PWOPRMHS0004131	JUNCTION	0.021	0.544	0	05:15	0.106	2.26	0.020	
PWOPRMHS0004132	JUNCTION	0.031	1.494	0	05:15	0.179	6.24	0.010	
PWOPRMHS0004133	JUNCTION	0.041	0.505	0	05:15	0.18	2.07	-0.001	
PWOPRMHS0004134	JUNCTION	0.000	0.464	0	05:15	0	1.89	0.001	
PWOPRMHS0004135	JUNCTION	0.155	0.465	0	05:15	0.635	1.89	-0.007	
PWOPRMHS0004137	JUNCTION	0.034	0.310	0	05:15	0.136	1.25	0.010	
PWOPRMHS0004141	JUNCTION	0.000	1.673	0	05:15	0	7.06	-0.005	
PWOPRMHS0004142	JUNCTION	0.182	1.868	0	05:15	0.892	8.06	-0.014	
PWOPRMHS0004143	JUNCTION	0.180	0.180	0	05:15	0.822	0.822	0.006	

PWOPRMHS0004146	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0004159	JUNCTION	0.261	0.261	0	05:15	1.07	1.07	-0.002	
PWOPRMHS0004201	JUNCTION	0.416	0.416	0	05:15	1.73	1.73	-0.001	
PWOPRMHS0004998	JUNCTION	0.007	0.007	0	05:15	0.0515	0.0515	-0.047	
PWOPRMHS0004999	JUNCTION	0.004	0.004	0	05:15	0.0257	0.0257	-0.001	
PWOPRMHS0005000	JUNCTION	0.025	0.323	0	05:15	0.18	1.98	-0.055	
PWOPRMHS0005001	JUNCTION	0.294	0.294	0	05:15	1.77	1.77	-0.002	
PWOPRMHS0005003	JUNCTION	0.103	2.292	0	05:15	0.342	10.4	0.090	
PWOPRMHS0005008	JUNCTION	0.061	0.093	0	05:15	0.267	0.402	-0.000	
PWOPRMHS0005009	JUNCTION	0.032	0.032	0	05:15	0.135	0.135	-0.004	
PWOPRMHS0005010	JUNCTION	0.000	0.093	0	05:15	0	0.402	0.248	
PWOPRMHS0005011	JUNCTION	0.090	0.278	0	05:15	0.321	1.12	-0.107	
PWOPRMHS0005012	JUNCTION	0.096	0.096	0	05:15	0.394	0.394	-0.139	
PWOPRMHS0005013	JUNCTION	0.000	0.277	0	05:15	0	1.12	0.001	
PWOPRMHS0005178	JUNCTION	0.014	0.014	0	05:15	0.103	0.103	-0.264	
PWOPRMHS0005179	JUNCTION	0.077	1.080	0	05:15	0.315	4.69	-0.001	
PWOPRMHS0005181	JUNCTION	0.043	1.003	0	05:15	0.153	4.37	-0.047	
PWOPRMHS0005183	JUNCTION	0.013	0.961	0	05:15	0.0899	4.22	0.064	
PWOPRMHS0005188	JUNCTION	0.617	0.617	0	05:15	2.68	2.68	-0.006	
PWOPRMHS0005196	JUNCTION	0.331	0.331	0	05:15	1.45	1.45	-0.001	
PWOPRMHS0005223	JUNCTION	0.039	1.118	0	05:15	0.152	4.84	0.004	
PWOPRMHS0005226	JUNCTION	0.065	1.182	0	05:15	0.241	5.08	-0.005	
PWOPRMHS0005229	JUNCTION	0.020	0.212	0	05:15	0.083	0.814	0.016	
PWOPRMHS0005230	JUNCTION	0.033	1.425	0	05:15	0.132	6.03	-0.167	
PWOPRMHS0005231	JUNCTION	0.192	0.192	0	05:15	0.731	0.731	-0.007	
PWOPRMHS0005906	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0005908	JUNCTION	0.071	0.071	0	05:15	0.328	0.328	-0.002	
PWOPRMHS0005909	JUNCTION	0.235	0.306	0	05:15	1.13	1.45	0.051	
PWOPRMHS0005910	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0005911	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0005924	JUNCTION	0.169	0.169	0	05:15	0.682	0.682	-0.002	
PWOPRMHS0005926	JUNCTION	0.065	0.371	0	05:15	0.295	1.75	-0.040	
PWOPRMHS0005927	JUNCTION	0.067	0.606	0	05:15	0.309	2.74	0.182	
PWOPRMHS0005930	JUNCTION	0.132	1.141	0	05:15	0.503	5.2	-0.394	
PWOPRMHS0005931	JUNCTION	0.048	0.285	0	05:15	0.302	1.42	0.020	
PWOPRMHS0005932	JUNCTION	0.120	0.120	0	05:15	0.538	0.538	0.051	
PWOPRMHS0005944	JUNCTION	0.056	0.056	0	05:15	0.252	0.252	-0.011	
PWOPRMHS0005945	JUNCTION	0.000	0.238	0	05:15	0	1.12	0.001	
PWOPRMHS0005946	JUNCTION	0.182	0.182	0	05:15	0.87	0.87	-0.001	
SWMPOND	JUNCTION	0.248	2.416	0	05:15	1.09	11.5	-0.106	
A1_OVERFLOW	OUTFALL	0.000	2.422	0	05:16	0	3.55	0.000	
A2_OVERFLOW	OUTFALL	0.000	3.297	0	05:20	0	7.42	0.000	
A3_OVERFLOW	OUTFALL	0.000	17.793	0	06:15	0	107	0.000	
A4_OVERFLOW	OUTFALL	0.000	170.212	0	07:30	0	2.28e+03	0.000	
B1_OVERFLOW	OUTFALL	0.000	1.270	0	05:16	0	1.29	0.000	
B2_OVERFLOW	OUTFALL	0.000	10.060	0	05:30	0	37.5	0.000	
C1_OVERFLOW	OUTFALL	0.000	44.308	0	05:15	0	181	0.000	
D1_OVERFLOW	OUTFALL	0.000	30.153	0	05:15	0	130	0.000	
D2_OVERFLOW	OUTFALL	0.000	7.612	0	06:15	0	108	0.000	
D3_OVERFLOW	OUTFALL	0.000	37.435	0	09:30	0	395	0.000	
D4_OVERFLOW	OUTFALL	0.000	16.422	0	06:30	0	256	0.000	
E1_OVERFLOW	OUTFALL	0.000	183.802	0	10:55	0	4.71e+03	0.000	
E2_OVERFLOW	OUTFALL	0.000	100.501	0	12:00	0	2.42e+03	0.000	
HanlonCreek	OUTFALL	0.000	12.673	0	13:39	0	566	0.000	
S_A1	STORAGE	0.000	3.925	0	05:15	0	29.7	0.002	
S_A2	STORAGE	0.000	5.217	0	05:20	0	42.6	0.005	
S_A3	STORAGE	0.000	7.370	0	06:15	0	89.6	0.088	

S_A4	STORAGE	0.000	18.219	0	07:30	0	347	0.009
S_B1	STORAGE	0.000	4.378	0	05:16	0	22.5	0.005
S_B2	STORAGE	0.000	6.799	0	05:29	0	48.1	0.003
S_C1	STORAGE	0.000	10.081	0	05:15	0	92.9	-0.031
S_D1	STORAGE	0.000	9.554	0	05:15	0	86	-0.006
S_D2	STORAGE	0.000	5.593	0	06:15	0	140	-0.007
S_D3	STORAGE	0.000	9.448	0	09:29	0	127	-0.007
S_D4	STORAGE	0.000	6.641	0	05:15	0	165	0.005
S_E1	STORAGE	0.000	16.644	0	11:34	0	547	0.011
S_E2	STORAGE	0.000	14.077	0	11:59	0	552	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
S_A1	0.264	1	0	0	3.319	13	0	05:31	3.881
S_A2	2.563	2	0	0	17.700	16	0	06:13	3.728
S_A3	4.887	3	0	0	22.900	16	0	07:24	5.005
S_A4	51.832	12	0	0	150.061	33	0	09:18	11.387
S_B1	0.207	1	0	0	3.139	15	0	05:20	4.253
S_B2	2.651	3	0	0	20.707	24	0	06:02	4.356
S_C1	2.177	4	0	0	15.629	28	0	05:37	8.157
S_D1	6.540	4	0	0	34.165	20	0	06:26	5.602
S_D2	0.021	1	0	0	0.084	5	0	06:52	4.974
S_D3	3.103	6	0	0	14.960	31	0	07:52	6.410
S_D4	2.574	7	0	0	8.266	24	0	05:18	5.878
S_E1	0.153	10	0	0	0.489	30	0	10:56	16.315
S_E2	0.066	4	0	0	0.180	10	0	12:00	13.826

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Outfall Loading Summary
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	Flow Freq	Avg Flow	Max Flow	Total Volume

Outfall Node	Pcnt	CMS	CMS	10^6 ltr
A1_OVERFLOW	2.43	1.053	2.422	3.550
A2_OVERFLOW	3.93	1.385	3.297	7.418
A3_OVERFLOW	11.35	7.215	17.793	106.949
A4_OVERFLOW	28.81	63.911	170.212	2283.727
B1_OVERFLOW	1.54	0.608	1.270	1.295
B2_OVERFLOW	5.66	4.903	10.060	37.468
C1_OVERFLOW	9.81	13.586	44.308	181.289
D1_OVERFLOW	9.80	9.793	30.153	130.001
D2_OVERFLOW	21.46	3.973	7.612	107.865
D3_OVERFLOW	19.69	16.347	37.435	395.262
D4_OVERFLOW	22.77	9.012	16.422	256.426
E1_OVERFLOW	46.36	87.834	183.802	4710.016
E2_OVERFLOW	46.17	45.621	100.501	2419.347
HanlonCreek	99.57	4.530	12.673	566.456
System	23.52	269.772	12.673	11207.069

****
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
1	CONDUIT	4.778	0 05:15	2.90	0.05	0.21
10	CONDUIT	10.623	0 05:21	1.50	0.50	0.68
11	CONDUIT	8.796	0 05:15	3.26	0.16	0.31
12	CONDUIT	4.356	0 06:02	3.00	0.36	0.43
13	CONDUIT	4.253	0 05:20	2.99	0.05	0.19
14	CONDUIT	4.252	0 05:20	2.12	0.04	0.27
15	CONDUIT	7.735	0 05:16	2.69	0.08	0.41
16	CONDUIT	28.471	0 05:15	3.67	0.28	0.65
17	CONDUIT	7.028	0 05:19	1.58	0.08	0.59
18	CONDUIT	47.198	0 05:17	8.68	0.44	0.53
19	CONDUIT	11.430	0 09:19	3.95	0.10	0.32
2	CONDUIT	3.881	0 05:19	2.04	0.03	0.24
20	CONDUIT	11.431	0 09:19	3.17	0.10	0.39
21	CONDUIT	16.377	0 09:00	3.45	0.20	0.46
22	CONDUIT	16.315	0 10:55	3.17	0.41	0.53
23	CONDUIT	17.016	0 11:04	3.91	0.60	0.46
24	CONDUIT	13.826	0 12:00	6.12	0.07	0.27
25	CONDUIT	0.000	0 00:00	0.00	0.00	0.16
26	CONDUIT	6.425	0 08:04	2.18	0.22	0.33
27	CONDUIT	12.940	0 05:15	4.66	0.11	0.34
28	CONDUIT	5.602	0 06:26	3.39	0.05	0.21
29	CONDUIT	4.927	0 06:52	3.06	0.05	0.21
3	CONDUIT	5.972	0 05:15	2.58	0.12	0.27
30	CONDUIT	4.906	0 06:53	3.03	0.04	0.21
31	CONDUIT	4.902	0 06:17	2.49	0.05	0.25
32	CONDUIT	5.878	0 05:19	2.78	0.12	0.26
33	CONDUIT	5.878	0 05:19	3.20	0.06	0.23
34	CONDUIT	5.867	0 05:20	3.29	0.06	0.24

35	CONDUIT	7.300	0	05:18	2.76	0.06	0.31
36	CONDUIT	3.925	0	05:15	3.10	0.05	0.19
37	CONDUIT	6.410	0	08:02	1.82	0.09	0.38
38	CONDUIT	5.599	0	06:27	2.97	0.05	0.23
39	CONDUIT	5.593	0	06:15	3.10	0.11	0.23
4	CONDUIT	3.728	0	06:13	2.43	0.04	0.20
40	CONDUIT	4.974	0	06:52	3.23	0.04	0.20
41	CONDUIT	13.261	0	13:36	3.28	0.09	0.42
43	CONDUIT	0.112	0	05:15	0.19	0.00	0.12
44	CONDUIT	18.219	0	07:30	5.52	0.26	0.41
45	CONDUIT	170.212	0	07:30	11.93	0.30	0.48
46	CONDUIT	2.422	0	05:16	7.06	0.00	0.01
47	CONDUIT	11.387	0	09:18	3.81	0.12	0.33
48	CONDUIT	5.217	0	05:20	4.47	0.06	0.20
49	CONDUIT	3.297	0	05:20	2.32	0.01	0.05
5	CONDUIT	3.729	0	06:14	2.24	0.05	0.21
50	CONDUIT	7.370	0	06:15	4.20	0.16	0.24
51	CONDUIT	17.793	0	06:15	3.43	0.06	0.17
52	CONDUIT	4.378	0	05:16	2.89	0.05	0.21
53	CONDUIT	1.270	0	05:16	1.82	0.00	0.02
54	CONDUIT	10.081	0	05:15	3.37	0.14	0.33
55	CONDUIT	44.308	0	05:15	5.90	0.11	0.25
56	CONDUIT	10.060	0	05:30	3.90	0.02	0.09
57	CONDUIT	6.799	0	05:29	4.76	0.07	0.25
58	CONDUIT	9.448	0	09:29	3.13	0.16	0.35
59	CONDUIT	37.435	0	09:30	5.13	0.10	0.25
6	CONDUIT	6.171	0	05:15	2.85	0.07	0.26
60	CONDUIT	9.554	0	05:15	4.30	0.17	0.29
61	CONDUIT	30.153	0	05:15	4.08	0.10	0.25
62	CONDUIT	7.612	0	06:15	2.45	0.02	0.10
63	CONDUIT	5.585	0	06:40	2.41	0.07	0.28
64	CONDUIT	16.422	0	06:30	5.10	0.03	0.11
65	CONDUIT	14.077	0	11:59	4.63	0.17	0.34
66	CONDUIT	100.501	0	12:00	10.52	0.16	0.32
67	CONDUIT	183.802	0	10:55	13.99	0.26	0.44
68	CONDUIT	16.644	0	11:34	3.30	0.11	0.52
7	CONDUIT	5.005	0	07:24	2.29	0.04	0.45
70	CONDUIT	12.673	0	13:39	2.48	0.51	0.49
8	CONDUIT	37.311	0	05:15	4.14	0.37	0.54
9	CONDUIT	8.157	0	05:39	2.87	0.10	0.40
PWOPRSES0001498	CONDUIT	0.226	0	05:15	1.20	0.03	0.11
PWOPRSES0001507	CONDUIT	0.385	0	05:15	1.43	0.04	0.14
PWOPRSES0001510	CONDUIT	0.240	0	05:15	1.15	0.02	0.12
PWOPRSES0001511	CONDUIT	0.191	0	05:15	1.23	0.02	0.10
PWOPRSES0001512	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
PWOPRSES0001515	CONDUIT	0.000	0	00:00	0.00	0.00	0.01
PWOPRSES0001516	CONDUIT	0.153	0	05:15	1.74	0.01	0.07
PWOPRSES0001518	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
PWOPRSES0001519	CONDUIT	0.788	0	05:15	1.54	0.05	0.17
PWOPRSES0001520	CONDUIT	0.164	0	05:16	1.07	0.02	0.10
PWOPRSES0001521	CONDUIT	0.164	0	05:15	1.13	0.02	0.09
PWOPRSES0001522	CONDUIT	0.076	0	05:15	0.84	0.01	0.07
PWOPRSES0001524	CONDUIT	0.089	0	05:15	1.43	0.00	0.05
PWOPRSES0001525	CONDUIT	0.216	0	05:15	1.20	0.02	0.11
PWOPRSES0001530	CONDUIT	0.625	0	05:15	1.28	0.04	0.16
PWOPRSES0001534	CONDUIT	1.300	0	05:15	1.57	0.09	0.24
PWOPRSES0001535	CONDUIT	1.191	0	05:15	1.65	0.07	0.21

PWOPRSES0001536	CONDUIT	1.003	0	05:15	1.73	0.06	0.18
PWOPRSES0001537	CONDUIT	1.004	0	05:15	1.69	0.06	0.18
PWOPRSES0001538	CONDUIT	0.216	0	05:15	0.88	0.01	0.13
PWOPRSES0001541	CONDUIT	0.226	0	05:15	1.27	0.02	0.11
PWOPRSES0001542	CONDUIT	0.226	0	05:15	1.32	0.02	0.10
PWOPRSES0001543	CONDUIT	0.331	0	05:15	0.53	0.01	0.22
PWOPRSES0001544	CONDUIT	0.461	0	05:15	0.66	0.02	0.16
PWOPRSES0001545	CONDUIT	0.218	0	05:15	1.20	0.02	0.11
PWOPRSES0001546	CONDUIT	0.871	0	05:15	3.44	0.03	0.13
PWOPRSES0001547	CONDUIT	0.747	0	05:15	1.95	0.06	0.18
PWOPRSES0001548	CONDUIT	0.047	0	05:15	1.90	0.00	0.03
PWOPRSES0001551	CONDUIT	0.748	0	05:15	2.65	0.03	0.15
PWOPRSES0001555	CONDUIT	0.957	0	05:15	4.63	0.03	0.12
PWOPRSES0001556	CONDUIT	1.026	0	05:15	3.28	0.03	0.16
PWOPRSES0001557	CONDUIT	0.350	0	05:15	2.64	0.00	0.09
PWOPRSES0001558	CONDUIT	2.451	0	05:15	1.73	0.12	0.33
PWOPRSES0001559	CONDUIT	2.416	0	05:15	3.90	0.07	0.25
PWOPRSES0001564	CONDUIT	1.026	0	05:15	2.77	0.03	0.21
PWOPRSES0001565	CONDUIT	3.974	0	05:15	2.07	0.29	0.41
PWOPRSES0001566	CONDUIT	2.900	0	05:15	1.65	0.19	0.39
PWOPRSES0001567	CONDUIT	0.054	0	05:15	1.12	0.00	0.03
PWOPRSES0001571	CONDUIT	0.000	0	00:00	0.00	0.00	0.04
PWOPRSES0001572	CONDUIT	2.130	0	05:15	4.19	0.10	0.22
PWOPRSES0001575	CONDUIT	1.802	0	05:15	1.34	0.11	0.33
PWOPRSES0001576	CONDUIT	0.504	0	05:15	0.97	0.06	0.22
PWOPRSES0001577	CONDUIT	1.300	0	05:15	1.44	0.07	0.25
PWOPRSES0001579	CONDUIT	0.153	0	05:15	1.67	0.01	0.07
PWOPRSES0001580	CONDUIT	0.189	0	05:15	1.89	0.01	0.07
PWOPRSES0001581	CONDUIT	0.189	0	05:15	1.48	0.01	0.08
PWOPRSES0001582	CONDUIT	0.230	0	05:15	1.44	0.02	0.10
PWOPRSES0001583	CONDUIT	0.000	0	00:00	0.00	0.00	0.02
PWOPRSES0001584	CONDUIT	0.109	0	05:15	1.78	0.00	0.05
PWOPRSES0001585	CONDUIT	0.230	0	05:15	1.26	0.02	0.11
PWOPRSES0001586	CONDUIT	0.165	0	05:15	1.46	0.01	0.08
PWOPRSES0001587	CONDUIT	0.338	0	05:15	1.59	0.02	0.12
PWOPRSES0001633	CONDUIT	0.241	0	05:15	1.51	0.03	0.10
PWOPRSES0001634	CONDUIT	0.039	0	05:15	1.02	0.00	0.04
PWOPRSES0001654	CONDUIT	1.478	0	05:15	1.83	0.16	0.30
PWOPRSES0001655	CONDUIT	1.889	0	05:15	2.71	0.14	0.27
PWOPRSES0001656	CONDUIT	1.974	0	05:15	2.97	0.15	0.26
PWOPRSES0001658	CONDUIT	1.390	0	05:15	1.75	0.16	0.30
PWOPRSES0001660	CONDUIT	1.619	0	05:15	1.80	0.20	0.33
PWOPRSES0001662	CONDUIT	0.193	0	05:15	1.67	0.01	0.08
PWOPRSES0001663	CONDUIT	0.193	0	05:15	1.47	0.02	0.09
PWOPRSES0001667	CONDUIT	2.453	0	05:15	2.48	0.17	0.35
PWOPRSES0001679	CONDUIT	0.123	0	05:15	1.56	0.01	0.06
PWOPRSES0001680	CONDUIT	0.345	0	05:15	2.44	0.01	0.09
PWOPRSES0001681	CONDUIT	0.301	0	05:15	3.37	0.01	0.07
PWOPRSES0001682	CONDUIT	0.841	0	05:15	1.96	0.08	0.19
PWOPRSES0001684	CONDUIT	0.179	0	05:15	1.39	0.01	0.08
PWOPRSES0001687	CONDUIT	0.105	0	05:15	2.02	0.00	0.05
PWOPRSES0001688	CONDUIT	0.475	0	05:15	2.81	0.02	0.10
PWOPRSES0001698	CONDUIT	0.475	0	05:15	2.49	0.02	0.11
PWOPRSES0001699	CONDUIT	0.475	0	05:15	2.42	0.02	0.11
PWOPRSES0001711	CONDUIT	0.370	0	05:15	1.55	0.04	0.13
PWOPRSES0001712	CONDUIT	0.200	0	05:15	1.82	0.01	0.09
PWOPRSES0001713	CONDUIT	0.616	0	05:15	1.37	0.06	0.20

PWOPRSES0001718	CONDUIT	0.379	0	05:15	1.32	0.06	0.17
PWOPRSES0001720	CONDUIT	0.102	0	05:15	1.19	0.01	0.06
PWOPRSES0001721	CONDUIT	0.239	0	05:15	1.30	0.02	0.11
PWOPRSES0001724	CONDUIT	3.271	0	05:15	1.78	0.22	0.40
PWOPRSES0001725	CONDUIT	3.270	0	05:15	1.85	0.17	0.40
PWOPRSES0001728	CONDUIT	3.410	0	05:15	2.06	0.17	0.38
PWOPRSES0001730	CONDUIT	4.055	0	05:15	3.80	0.22	0.28
PWOPRSES0001732	CONDUIT	0.101	0	05:15	1.49	0.01	0.05
PWOPRSES0001733	CONDUIT	0.646	0	05:15	1.31	0.17	0.21
PWOPRSES0001744	CONDUIT	1.545	0	05:15	1.72	0.15	0.33
PWOPRSES0001745	CONDUIT	1.152	0	05:15	3.10	0.04	0.18
PWOPRSES0001747	CONDUIT	0.057	0	05:15	1.78	0.00	0.03
PWOPRSES0001748	CONDUIT	1.288	0	05:15	1.87	0.07	0.27
PWOPRSES0001750	CONDUIT	1.937	0	05:15	1.57	0.15	0.42
PWOPRSES0001753	CONDUIT	1.912	0	05:15	1.72	0.13	0.38
PWOPRSES0001754	CONDUIT	0.057	0	05:15	0.98	0.00	0.05
PWOPRSES0001755	CONDUIT	1.516	0	05:15	1.68	0.17	0.33
PWOPRSES0001756	CONDUIT	1.545	0	05:15	1.86	0.17	0.31
PWOPRSES0001757	CONDUIT	1.508	0	05:15	1.88	0.16	0.30
PWOPRSES0001758	CONDUIT	0.058	0	05:15	1.01	0.00	0.05
PWOPRSES0001759	CONDUIT	1.590	0	05:15	1.92	0.13	0.31
PWOPRSES0001760	CONDUIT	1.642	0	05:15	2.15	0.15	0.29
PWOPRSES0001761	CONDUIT	0.190	0	05:15	1.19	0.02	0.10
PWOPRSES0001765A	CONDUIT	0.521	0	05:15	1.15	0.06	0.20
PWOPRSES0001765B	CONDUIT	1.038	0	05:15	1.90	0.11	0.23
PWOPRSES0001766	CONDUIT	0.518	0	05:15	2.40	0.03	0.12
PWOPRSES0001768	CONDUIT	0.319	0	05:15	1.83	0.02	0.10
PWOPRSES0001770	CONDUIT	0.380	0	05:15	1.61	0.03	0.13
PWOPRSES0001771	CONDUIT	0.248	0	05:15	2.75	0.01	0.07
PWOPRSES0001774	CONDUIT	2.027	0	05:14	1.17	0.24	0.48
PWOPRSES0001775	CONDUIT	3.213	0	05:14	1.24	0.03	0.39
PWOPRSES0001776	CONDUIT	0.637	0	05:15	0.82	0.07	0.34
PWOPRSES0001777	CONDUIT	0.198	0	05:15	1.15	0.02	0.11
PWOPRSES0001778	CONDUIT	0.371	0	05:15	1.19	0.05	0.16
PWOPRSES0001779	CONDUIT	2.626	0	05:15	2.37	0.04	0.29
PWOPRSES0001780	CONDUIT	0.244	0	05:15	1.31	0.02	0.11
PWOPRSES0001781	CONDUIT	0.000	0	00:00	0.00	0.00	0.05
PWOPRSES0001782	CONDUIT	0.352	0	05:15	1.30	0.03	0.14
PWOPRSES0001783	CONDUIT	0.176	0	05:15	1.27	0.02	0.09
PWOPRSES0001784	CONDUIT	3.381	0	05:15	2.29	0.34	0.48
PWOPRSES0001785	CONDUIT	2.287	0	05:16	2.27	0.20	0.36
PWOPRSES0001786	CONDUIT	0.343	0	05:15	1.50	0.03	0.14
PWOPRSES0001790	CONDUIT	0.160	0	05:15	1.04	0.02	0.11
PWOPRSES0001791	CONDUIT	0.341	0	05:12	1.46	0.03	0.19
PWOPRSES0001797	CONDUIT	3.378	0	05:16	2.23	0.45	0.49
PWOPRSES0001798	CONDUIT	3.437	0	05:15	4.44	0.06	0.19
PWOPRSES0001803	CONDUIT	0.234	0	05:15	0.55	0.03	0.20
PWOPRSES0001806	CONDUIT	0.767	0	05:15	2.30	0.06	0.16
PWOPRSES0001807	CONDUIT	1.934	0	05:15	1.75	0.17	0.29
PWOPRSES0001808	CONDUIT	0.067	0	05:15	1.14	0.00	0.05
PWOPRSES0001809	CONDUIT	0.707	0	05:15	1.91	0.06	0.18
PWOPRSES0001810	CONDUIT	0.000	0	00:00	0.00	0.00	0.03
PWOPRSES0001812	CONDUIT	0.767	0	05:15	1.40	0.06	0.23
PWOPRSES0001819	CONDUIT	0.398	0	05:15	2.24	0.02	0.11
PWOPRSES0001821	CONDUIT	0.576	0	05:15	2.26	0.04	0.14
PWOPRSES0001822	CONDUIT	0.178	0	05:15	2.70	0.01	0.05
PWOPRSES0001823	CONDUIT	0.726	0	05:15	1.48	0.08	0.21

PWOPRSES0001824	CONDUIT	1.967	0	05:15	1.84	0.25	0.37
PWOPRSES0001825	CONDUIT	1.098	0	05:15	1.80	0.13	0.25
PWOPRSES0001826	CONDUIT	0.760	0	05:15	1.37	0.18	0.23
PWOPRSES0001827	CONDUIT	1.153	0	05:15	1.66	0.13	0.27
PWOPRSES0001828	CONDUIT	1.181	0	05:15	1.60	0.11	0.29
PWOPRSES0001829	CONDUIT	3.280	0	05:15	1.51	0.06	0.27
PWOPRSES0001840	CONDUIT	0.656	0	05:09	1.52	0.05	0.27
PWOPRSES0001841	CONDUIT	1.827	0	05:17	2.22	0.10	0.36
PWOPRSES0001842	CONDUIT	1.078	0	05:11	1.93	0.04	0.29
PWOPRSES0001844	CONDUIT	0.096	0	05:15	1.36	0.00	0.07
PWOPRSES0001845	CONDUIT	0.228	0	05:15	1.58	0.02	0.09
PWOPRSES0001855	CONDUIT	0.740	0	05:15	2.85	0.03	0.14
PWOPRSES0001856	CONDUIT	0.289	0	05:15	2.81	0.01	0.07
PWOPRSES0001861	CONDUIT	0.068	0	05:15	1.21	0.00	0.05
PWOPRSES0001862	CONDUIT	0.222	0	05:15	1.95	0.01	0.08
PWOPRSES0001865	CONDUIT	0.408	0	05:15	1.62	0.04	0.13
PWOPRSES0001866	CONDUIT	0.341	0	05:15	3.20	0.01	0.07
PWOPRSES0001868	CONDUIT	0.268	0	05:15	0.84	0.03	0.16
PWOPRSES0001890	CONDUIT	0.516	0	05:15	2.23	0.03	0.13
PWOPRSES0001891	CONDUIT	0.475	0	05:15	1.99	0.03	0.13
PWOPRSES0001892	CONDUIT	0.181	0	05:15	1.03	0.02	0.10
PWOPRSES0001895	CONDUIT	0.321	0	05:15	2.02	0.02	0.10
PWOPRSES0001896	CONDUIT	0.334	0	05:15	2.34	0.02	0.09
PWOPRSES0001897	CONDUIT	0.334	0	05:15	2.02	0.01	0.10
PWOPRSES0001899	CONDUIT	0.241	0	05:15	1.74	0.01	0.09
PWOPRSES0001900	CONDUIT	0.241	0	05:15	1.73	0.01	0.09
PWOPRSES0001904	CONDUIT	0.474	0	05:15	1.34	0.04	0.20
PWOPRSES0001905	CONDUIT	1.246	0	05:15	1.55	0.13	0.32
PWOPRSES0001906	CONDUIT	0.710	0	05:15	1.10	0.07	0.26
PWOPRSES0001919	CONDUIT	0.000	0	00:00	0.00	0.00	0.04
PWOPRSES0001930	CONDUIT	0.292	0	05:15	1.37	0.03	0.12
PWOPRSES0001931	CONDUIT	0.589	0	05:15	1.44	0.09	0.19
PWOPRSES0001932	CONDUIT	0.000	0	00:00	0.00	0.00	0.01
PWOPRSES0001941	CONDUIT	0.644	0	05:15	2.72	0.03	0.13
PWOPRSES0001942	CONDUIT	0.471	0	05:15	2.93	0.02	0.10
PWOPRSES0001943	CONDUIT	0.471	0	05:15	1.71	0.04	0.14
PWOPRSES0001944	CONDUIT	0.471	0	05:15	1.76	0.04	0.14
PWOPRSES0001951	CONDUIT	0.000	0	00:00	0.00	0.00	0.06
PWOPRSES0001952	CONDUIT	0.330	0	05:15	1.51	0.03	0.12
PWOPRSES0001960	CONDUIT	0.330	0	05:15	1.54	0.03	0.12
PWOPRSES0001961	CONDUIT	0.587	0	05:15	2.48	0.03	0.13
PWOPRSES0001962	CONDUIT	0.776	0	05:15	1.36	0.07	0.24
PWOPRSES0001963	CONDUIT	0.258	0	05:15	1.64	0.01	0.12
PWOPRSES0001968	CONDUIT	0.258	0	05:15	3.81	0.01	0.05
PWOPRSES0001972	CONDUIT	0.268	0	05:15	1.21	0.03	0.12
PWOPRSES0001976	CONDUIT	4.119	0	05:16	2.40	0.34	0.38
PWOPRSES0001977	CONDUIT	0.519	0	05:15	1.82	0.04	0.15
PWOPRSES0001978	CONDUIT	4.785	0	05:15	3.82	0.12	0.23
PWOPRSES0001979	CONDUIT	0.519	0	05:15	1.96	0.03	0.14
PWOPRSES0001984	CONDUIT	4.025	0	05:16	2.27	0.29	0.39
PWOPRSES0002119	CONDUIT	0.359	0	05:15	1.45	0.04	0.13
PWOPRSES0002120	CONDUIT	0.417	0	05:15	1.30	0.03	0.16
PWOPRSES0002121	CONDUIT	0.359	0	05:15	1.17	0.05	0.15
PWOPRSES0002122	CONDUIT	0.522	0	05:15	1.65	0.04	0.16
PWOPRSES0003435	CONDUIT	1.102	0	05:15	2.66	0.05	0.19
PWOPRSES0003436	CONDUIT	1.117	0	05:15	2.05	0.10	0.23
PWOPRSES0003439	CONDUIT	0.000	0	00:00	0.00	0.00	0.02

PWOPRSES0003446	CONDUIT	0.923	0	05:15	1.58	0.14	0.24
PWOPRSES0003447	CONDUIT	0.923	0	05:15	4.07	0.03	0.12
PWOPRSES0003448	CONDUIT	0.923	0	05:15	2.64	0.04	0.17
PWOPRSES0003449	CONDUIT	1.047	0	05:15	3.36	0.05	0.16
PWOPRSES0003457	CONDUIT	0.380	0	05:15	1.49	0.03	0.14
PWOPRSES0003465	CONDUIT	0.227	0	05:15	2.20	0.01	0.07
PWOPRSES0003466	CONDUIT	0.673	0	05:15	1.51	0.06	0.20
PWOPRSES0004584	CONDUIT	0.464	0	05:15	2.91	0.02	0.10
PWOPRSES0004585	CONDUIT	0.464	0	05:15	2.30	0.01	0.12
PWOPRSES0004586	CONDUIT	0.504	0	05:15	2.06	0.03	0.13
PWOPRSES0004587	CONDUIT	0.239	0	05:15	1.25	0.02	0.11
PWOPRSES0004588	CONDUIT	0.523	0	05:15	1.72	0.05	0.15
PWOPRSES0004589	CONDUIT	0.310	0	05:15	2.04	0.01	0.10
PWOPRSES0004590	CONDUIT	0.544	0	05:15	1.91	0.03	0.15
PWOPRSES0004591	CONDUIT	1.493	0	05:15	1.97	0.07	0.22
PWOPRSES0004592	CONDUIT	1.672	0	05:15	2.12	0.08	0.23
PWOPRSES0004593	CONDUIT	0.180	0	05:15	1.56	0.01	0.10
PWOPRSES0004594	CONDUIT	1.866	0	05:15	1.58	0.09	0.30
PWOPRSES0004597	CONDUIT	0.000	0	00:00	0.00	0.00	0.02
PWOPRSES0004603	CONDUIT	0.261	0	05:15	1.64	0.02	0.10
PWOPRSES0004637	CONDUIT	0.416	0	05:15	2.77	0.02	0.09
PWOPRSES0005529	CONDUIT	0.007	0	05:15	0.52	0.00	0.04
PWOPRSES0005530	CONDUIT	0.004	0	05:15	0.74	0.00	0.01
PWOPRSES0005531	CONDUIT	0.294	0	05:15	1.13	0.05	0.14
PWOPRSES0005532	CONDUIT	0.323	0	05:15	0.97	0.02	0.24
PWOPRSES0005534	CONDUIT	2.287	0	05:15	2.22	0.25	0.36
PWOPRSES0005535	CONDUIT	0.032	0	05:15	0.83	0.00	0.04
PWOPRSES0005536	CONDUIT	0.093	0	05:15	1.76	0.00	0.05
PWOPRSES0005537	CONDUIT	0.093	0	05:15	1.67	0.00	0.06
PWOPRSES0005539	CONDUIT	0.096	0	05:15	1.16	0.01	0.06
PWOPRSES0005540	CONDUIT	0.277	0	05:15	1.62	0.02	0.10
PWOPRSES0005541	CONDUIT	0.277	0	05:15	1.99	0.02	0.09
PWOPRSES0005710	CONDUIT	4.151	0	05:15	3.13	0.04	0.18
PWOPRSES0005734	CONDUIT	0.014	0	05:15	0.52	0.00	0.12
PWOPRSES0005735	CONDUIT	1.003	0	05:15	1.91	0.10	0.22
PWOPRSES0005736	CONDUIT	0.961	0	05:15	2.64	0.06	0.17
PWOPRSES0005739	CONDUIT	0.617	0	05:15	2.35	0.02	0.14
PWOPRSES0005744	CONDUIT	0.331	0	05:15	1.37	0.01	0.13
PWOPRSES0005766	CONDUIT	1.079	0	05:15	2.18	0.09	0.21
PWOPRSES0005767	CONDUIT	1.117	0	05:15	2.18	0.10	0.22
PWOPRSES0005768	CONDUIT	1.181	0	05:15	2.31	0.10	0.22
PWOPRSES0005769	CONDUIT	1.424	0	05:15	0.64	0.02	0.39
PWOPRSES0005770	CONDUIT	0.192	0	05:15	1.42	0.02	0.09
PWOPRSES0005771	CONDUIT	0.212	0	05:15	1.26	0.01	0.11
PWOPRSES0006537	CONDUIT	0.056	0	05:15	0.48	0.01	0.08
PWOPRSES0006538	CONDUIT	0.000	0	00:00	0.00	0.00	0.05
PWOPRSES0006542	CONDUIT	0.071	0	05:15	0.92	0.01	0.06
PWOPRSES0006547	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
PWOPRSES0006548	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
PWOPRSES0006549	CONDUIT	0.306	0	05:15	1.58	0.03	0.11
PWOPRSES0006550	CONDUIT	0.371	0	05:15	1.46	0.04	0.13
PWOPRSES0006551	CONDUIT	0.168	0	05:15	1.35	0.01	0.08
PWOPRSES0006552	CONDUIT	0.606	0	05:15	1.56	0.06	0.18
PWOPRSES0006553	CONDUIT	1.137	0	05:15	1.27	0.04	0.19
PWOPRSES0006554	CONDUIT	0.285	0	05:15	1.75	0.01	0.11
PWOPRSES0006555	CONDUIT	0.120	0	05:15	0.91	0.01	0.10
PWOPRSES0006576	CONDUIT	0.182	0	05:15	1.34	0.02	0.09

PWOPRSES0006577	CONDUIT	0.237	0	05:15	1.47	0.02	0.10
STMEasement	CONDUIT	0.388	0	05:15	1.14	0.04	0.17
SWMPOND_OUT	CONDUIT	2.413	0	05:15	1.04	0.06	0.43

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Flow Classification Summary
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Conduit	Adjusted /Actual Length	Dry	Up Dry	Down Dry	Sub Crit	Sup Crit	Up Crit	Down Crit	Norm Ltd	Inlet Ctrl
		---------- Fraction of Time in Flow Class ----------								
1	1.00	0.47	0.00	0.00	0.47	0.06	0.00	0.00	0.24	0.00
10	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.63	0.00
11	1.00	0.00	0.00	0.00	0.98	0.02	0.00	0.00	0.06	0.00
12	1.00	0.00	0.01	0.00	0.81	0.18	0.00	0.00	0.09	0.00
13	1.00	0.00	0.00	0.00	0.82	0.17	0.00	0.00	0.02	0.00
14	1.00	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.99	0.00
15	1.00	0.00	0.00	0.00	0.78	0.22	0.00	0.00	0.91	0.00
16	1.00	0.00	0.38	0.00	0.59	0.03	0.00	0.00	0.98	0.00
17	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.96	0.00
18	1.00	0.00	0.00	0.00	0.88	0.12	0.00	0.00	0.95	0.00
19	1.00	0.00	0.00	0.00	0.01	0.99	0.00	0.00	0.84	0.00
2	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.97	0.00
20	1.00	0.00	0.00	0.00	0.45	0.55	0.00	0.00	0.88	0.00
21	1.00	0.00	0.00	0.00	0.97	0.02	0.00	0.00	0.16	0.00
22	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.16	0.00
23	1.00	0.00	0.00	0.00	0.79	0.20	0.00	0.00	0.01	0.00
24	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.91	0.00
25	1.00	0.31	0.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	1.00	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.85	0.00
27	1.00	0.31	0.00	0.00	0.63	0.06	0.00	0.00	0.23	0.00
28	1.00	0.00	0.00	0.00	0.38	0.62	0.00	0.00	0.05	0.00
29	1.00	0.00	0.00	0.00	0.46	0.53	0.00	0.00	0.14	0.00
3	1.00	0.00	0.00	0.00	0.99	0.01	0.00	0.00	0.00	0.00
30	1.00	0.01	0.00	0.00	0.44	0.56	0.00	0.00	0.96	0.00
31	1.00	0.00	0.00	0.00	0.88	0.12	0.00	0.00	0.89	0.00
32	1.00	0.00	0.00	0.00	0.73	0.27	0.00	0.00	0.00	0.00
33	1.00	0.01	0.00	0.00	0.43	0.56	0.00	0.00	0.81	0.00
34	1.00	0.00	0.01	0.00	0.35	0.64	0.00	0.00	0.02	0.00
35	1.00	0.00	0.00	0.00	0.92	0.07	0.00	0.00	0.95	0.00
36	1.00	0.00	0.50	0.00	0.35	0.15	0.00	0.00	0.88	0.00
37	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.84	0.00
38	1.00	0.00	0.01	0.00	0.92	0.07	0.00	0.00	0.98	0.00
39	1.00	0.00	0.00	0.00	0.65	0.35	0.00	0.00	0.00	0.00
4	1.00	0.01	0.00	0.00	0.83	0.16	0.00	0.00	0.90	0.00
40	1.00	0.00	0.00	0.00	0.37	0.62	0.00	0.00	0.86	0.00
41	1.00	0.00	0.00	0.00	0.76	0.23	0.00	0.00	0.99	0.00
43	1.00	0.55	0.00	0.00	0.45	0.00	0.00	0.00	0.22	0.00
44	1.00	0.00	0.00	0.00	0.79	0.21	0.00	0.00	0.67	0.00
45	1.00	0.71	0.00	0.00	0.00	0.29	0.00	0.00	0.06	0.00
46	10.96	0.98	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
47	1.00	0.00	0.01	0.00	0.22	0.78	0.00	0.00	0.11	0.00
48	1.00	0.00	0.16	0.00	0.74	0.09	0.00	0.00	0.91	0.00
49	1.00	0.96	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00

5	1.00	0.00	0.01	0.00	0.97	0.02	0.00	0.00	0.05	0.00
50	1.00	0.00	0.00	0.00	0.85	0.14	0.00	0.00	0.82	0.00
51	1.00	0.89	0.00	0.00	0.00	0.11	0.00	0.00	0.02	0.00
52	1.00	0.00	0.59	0.00	0.33	0.08	0.00	0.00	0.92	0.00
53	1.20	0.98	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
54	1.00	0.00	0.67	0.00	0.22	0.10	0.00	0.00	0.91	0.00
55	1.00	0.90	0.00	0.00	0.00	0.10	0.00	0.00	0.02	0.00
56	1.00	0.94	0.00	0.00	0.00	0.06	0.00	0.00	0.01	0.00
57	1.00	0.00	0.16	0.00	0.75	0.08	0.00	0.00	0.89	0.00
58	1.00	0.00	0.63	0.00	0.29	0.07	0.00	0.00	0.81	0.00
59	1.00	0.80	0.00	0.00	0.00	0.20	0.00	0.00	0.04	0.00
6	1.00	0.00	0.00	0.00	0.97	0.03	0.00	0.00	1.00	0.00
60	1.00	0.00	0.52	0.00	0.36	0.11	0.00	0.00	0.82	0.00
61	1.00	0.90	0.00	0.00	0.00	0.10	0.00	0.00	0.02	0.00
62	1.00	0.79	0.00	0.00	0.00	0.21	0.00	0.00	0.03	0.00
63	1.00	0.00	0.00	0.00	0.95	0.05	0.00	0.00	0.80	0.00
64	1.27	0.77	0.00	0.00	0.00	0.23	0.00	0.00	0.05	0.00
65	1.17	0.00	0.00	0.00	0.01	0.99	0.00	0.00	0.60	0.00
66	1.49	0.54	0.00	0.00	0.00	0.46	0.00	0.00	0.07	0.00
67	1.68	0.54	0.00	0.00	0.00	0.46	0.00	0.00	0.09	0.00
68	1.46	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.55	0.00
7	1.00	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.99	0.00
70	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
8	1.00	0.00	0.00	0.00	0.95	0.05	0.00	0.00	0.00	0.00
9	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.95	0.00
PWOPRSES0001498	1.00	0.00	0.00	0.00	0.07	0.06	0.00	0.87	0.00	0.00
PWOPRSES0001507	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001510	1.00	0.00	0.00	0.00	0.02	0.01	0.00	0.97	0.00	0.00
PWOPRSES0001511	1.00	0.00	0.00	0.00	0.00	0.15	0.00	0.85	0.00	0.00
PWOPRSES0001512	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001515	1.00	0.98	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001516	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001518	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001519	1.00	0.70	0.00	0.00	0.03	0.00	0.00	0.27	0.00	0.00
PWOPRSES0001520	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001521	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001522	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001524	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001525	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001530	1.00	0.70	0.00	0.00	0.28	0.00	0.00	0.02	0.15	0.00
PWOPRSES0001534	1.00	0.70	0.00	0.00	0.05	0.00	0.00	0.25	0.00	0.00
PWOPRSES0001535	1.00	0.70	0.00	0.00	0.30	0.00	0.00	0.00	0.18	0.00
PWOPRSES0001536	1.00	0.70	0.00	0.00	0.04	0.00	0.00	0.26	0.00	0.00
PWOPRSES0001537	1.00	0.70	0.00	0.00	0.17	0.00	0.00	0.13	0.00	0.00
PWOPRSES0001538	1.00	0.70	0.01	0.00	0.29	0.00	0.00	0.00	1.00	0.00
PWOPRSES0001541	1.00	0.00	0.71	0.00	0.25	0.04	0.00	0.00	0.96	0.00
PWOPRSES0001542	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001543	1.00	0.00	0.67	0.00	0.32	0.00	0.00	0.00	0.99	0.00
PWOPRSES0001544	1.00	0.00	0.66	0.00	0.34	0.00	0.00	0.00	0.96	0.00
PWOPRSES0001545	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001546	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001547	1.00	0.00	0.00	0.00	0.00	0.13	0.00	0.87	0.00	0.00
PWOPRSES0001548	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001551	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.97	0.00	0.00
PWOPRSES0001555	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001556	1.00	0.00	0.70	0.00	0.00	0.29	0.00	0.00	1.00	0.00
PWOPRSES0001557	1.65	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00

PWOPRSES0001558	1.00	0.00	0.00	0.00	0.31	0.00	0.00	0.69	0.00	0.00
PWOPRSES0001559	1.00	0.00	0.68	0.00	0.02	0.30	0.00	0.00	1.00	0.00
PWOPRSES0001564	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0001565	1.00	0.67	0.01	0.00	0.32	0.00	0.00	0.00	0.83	0.00
PWOPRSES0001566	1.00	0.00	0.00	0.00	0.10	0.00	0.00	0.90	0.00	0.00
PWOPRSES0001567	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001571	1.00	0.86	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001572	1.00	0.00	0.00	0.00	0.68	0.32	0.00	0.00	0.00	0.00
PWOPRSES0001575	1.00	0.00	0.69	0.00	0.31	0.00	0.00	0.00	0.88	0.00
PWOPRSES0001576	1.00	0.69	0.02	0.00	0.29	0.00	0.00	0.00	0.91	0.00
PWOPRSES0001577	1.00	0.69	0.01	0.00	0.30	0.00	0.00	0.00	0.96	0.00
PWOPRSES0001579	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001580	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001581	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001582	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001583	1.12	0.97	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001584	1.13	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001585	1.00	0.00	0.00	0.00	0.93	0.07	0.00	0.00	0.92	0.00
PWOPRSES0001586	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001587	1.00	0.00	0.71	0.00	0.15	0.14	0.00	0.00	0.98	0.00
PWOPRSES0001633	1.00	0.00	0.69	0.00	0.13	0.18	0.00	0.00	0.82	0.00
PWOPRSES0001634	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001654	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.97	0.00	0.00
PWOPRSES0001655	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001656	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001658	1.00	0.00	0.69	0.00	0.31	0.00	0.00	0.00	0.90	0.00
PWOPRSES0001660	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001662	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001663	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001667	1.00	0.00	0.00	0.00	0.00	0.08	0.00	0.92	0.01	0.00
PWOPRSES0001679	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001680	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001681	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001682	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001684	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001687	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0001688	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001698	1.00	0.00	0.70	0.00	0.01	0.28	0.00	0.00	0.93	0.00
PWOPRSES0001699	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0001711	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001712	1.51	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0001713	1.00	0.00	0.00	0.00	0.04	0.01	0.00	0.96	0.00	0.00
PWOPRSES0001718	1.00	0.00	0.70	0.00	0.30	0.00	0.00	0.00	0.83	0.00
PWOPRSES0001720	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001721	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001724	1.00	0.70	0.00	0.00	0.30	0.00	0.00	0.00	0.09	0.00
PWOPRSES0001725	1.00	0.70	0.00	0.00	0.04	0.00	0.00	0.27	0.00	0.00
PWOPRSES0001728	1.00	0.70	0.00	0.00	0.00	0.00	0.00	0.30	0.00	0.00
PWOPRSES0001730	1.00	0.70	0.00	0.00	0.20	0.10	0.00	0.00	0.00	0.00
PWOPRSES0001732	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001733	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001744	1.00	0.00	0.00	0.00	0.04	0.01	0.00	0.95	0.00	0.00
PWOPRSES0001745	1.16	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001747	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001748	1.00	0.00	0.00	0.00	0.01	0.05	0.00	0.94	0.03	0.00
PWOPRSES0001750	1.00	0.00	0.00	0.00	0.08	0.12	0.00	0.79	0.00	0.00
PWOPRSES0001753	1.00	0.00	0.70	0.00	0.07	0.24	0.00	0.00	0.90	0.00

PWOPRSES0001754	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001755	1.00	0.00	0.00	0.00	0.04	0.13	0.00	0.83	0.00	0.00
PWOPRSES0001756	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001757	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001758	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001759	1.00	0.00	0.00	0.00	0.02	0.16	0.00	0.82	0.00	0.00
PWOPRSES0001760	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001761	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001765A	1.00	0.00	0.70	0.00	0.30	0.00	0.00	0.00	0.99	0.00
PWOPRSES0001765B	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001766	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001768	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001770	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001771	1.20	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.00	0.00
PWOPRSES0001774	1.00	0.67	0.00	0.00	0.33	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001775	1.00	0.00	0.68	0.00	0.32	0.00	0.00	0.00	0.97	0.00
PWOPRSES0001776	1.00	0.00	0.00	0.00	0.30	0.00	0.00	0.70	0.16	0.00
PWOPRSES0001777	1.00	0.00	0.00	0.00	0.03	0.09	0.00	0.88	0.01	0.00
PWOPRSES0001778	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001779	1.00	0.67	0.00	0.00	0.30	0.00	0.00	0.03	0.17	0.00
PWOPRSES0001780	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
PWOPRSES0001781	1.00	0.86	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001782	1.00	0.00	0.00	0.00	0.03	0.01	0.00	0.97	0.00	0.00
PWOPRSES0001783	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001784	1.00	0.00	0.00	0.00	0.03	0.05	0.00	0.92	0.00	0.00
PWOPRSES0001785	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001786	2.09	0.00	0.00	0.00	0.01	0.01	0.00	0.98	0.00	0.00
PWOPRSES0001790	1.00	0.00	0.00	0.00	0.01	0.08	0.00	0.90	0.00	0.00
PWOPRSES0001791	1.00	0.00	0.70	0.00	0.17	0.13	0.00	0.00	0.83	0.00
PWOPRSES0001797	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001798	1.00	0.67	0.00	0.00	0.00	0.01	0.00	0.33	0.00	0.00
PWOPRSES0001803	1.00	0.67	0.04	0.00	0.29	0.00	0.00	0.00	0.99	0.00
PWOPRSES0001806	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0001807	1.00	0.67	0.03	0.00	0.30	0.00	0.00	0.00	0.84	0.00
PWOPRSES0001808	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001809	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0001810	1.00	0.98	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001812	1.00	0.00	0.00	0.00	0.05	0.02	0.00	0.92	0.02	0.00
PWOPRSES0001819	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.01	0.00
PWOPRSES0001821	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001822	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001823	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001824	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001825	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.99	0.00	0.00
PWOPRSES0001826	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001827	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001828	1.00	0.00	0.70	0.00	0.30	0.00	0.00	0.00	0.84	0.00
PWOPRSES0001829	1.00	0.00	0.70	0.00	0.30	0.00	0.00	0.00	0.98	0.00
PWOPRSES0001840	1.00	0.00	0.00	0.00	0.03	0.00	0.00	0.97	0.01	0.00
PWOPRSES0001841	1.25	0.67	0.03	0.00	0.30	0.00	0.00	0.00	0.98	0.00
PWOPRSES0001842	1.36	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.18	0.00
PWOPRSES0001844	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0001845	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001855	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001856	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001861	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001862	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00

PWOPRSES0001865	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001866	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001868	1.00	0.00	0.70	0.00	0.29	0.00	0.00	0.00	0.93	0.00
PWOPRSES0001890	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001891	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001892	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001895	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001896	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001897	1.00	0.00	0.70	0.00	0.02	0.27	0.00	0.00	0.94	0.00
PWOPRSES0001899	1.04	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001900	1.00	0.00	0.70	0.00	0.02	0.27	0.00	0.00	0.15	0.00
PWOPRSES0001904	1.00	0.00	0.00	0.00	0.02	0.01	0.00	0.97	0.01	0.00
PWOPRSES0001905	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.97	0.00	0.00
PWOPRSES0001906	1.00	0.00	0.00	0.00	0.05	0.00	0.00	0.95	0.02	0.00
PWOPRSES0001919	1.00	0.94	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001930	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001931	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001932	1.00	0.99	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001941	1.00	0.00	0.00	0.00	0.00	0.05	0.00	0.95	0.02	0.00
PWOPRSES0001942	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001943	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001944	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001951	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001952	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001960	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001961	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0001962	1.00	0.00	0.00	0.00	0.07	0.00	0.00	0.92	0.01	0.00
PWOPRSES0001963	1.00	0.00	0.00	0.00	0.01	0.01	0.00	0.97	0.01	0.00
PWOPRSES0001968	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001972	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001976	1.00	0.00	0.00	0.00	0.13	0.00	0.00	0.86	0.00	0.00
PWOPRSES0001977	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001978	1.00	0.00	0.63	0.00	0.28	0.09	0.00	0.00	0.92	0.00
PWOPRSES0001979	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001984	1.00	0.00	0.67	0.00	0.33	0.00	0.00	0.00	0.96	0.00
PWOPRSES0002119	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0002120	1.00	0.00	0.00	0.00	0.02	0.01	0.00	0.97	0.00	0.00
PWOPRSES0002121	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
PWOPRSES0002122	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0003435	1.00	0.00	0.00	0.00	0.00	0.03	0.00	0.97	0.00	0.00
PWOPRSES0003436	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0003439	1.00	0.95	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0003446	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0003447	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0003448	1.27	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0003449	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0003457	1.00	0.00	0.71	0.00	0.18	0.11	0.00	0.00	0.94	0.00
PWOPRSES0003465	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0003466	1.00	0.00	0.00	0.00	0.02	0.02	0.00	0.95	0.00	0.00
PWOPRSES0004584	1.04	0.00	0.00	0.00	0.71	0.29	0.00	0.00	0.00	0.00
PWOPRSES0004585	1.00	0.00	0.71	0.00	0.02	0.27	0.00	0.00	1.00	0.00
PWOPRSES0004586	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0004587	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0004588	1.00	0.00	0.71	0.00	0.18	0.11	0.00	0.00	0.00	0.00
PWOPRSES0004589	1.00	0.00	0.71	0.00	0.11	0.19	0.00	0.00	0.99	0.00
PWOPRSES0004590	1.00	0.00	0.00	0.00	0.00	0.04	0.00	0.96	0.00	0.00
PWOPRSES0004591	1.00	0.71	0.00	0.00	0.29	0.00	0.00	0.00	0.17	0.00

PWOPRSES0004592	1.00	0.71	0.00	0.00	0.13	0.00	0.00	0.16	0.00	0.00
PWOPRSES0004593	2.35	0.00	0.00	0.00	0.01	0.01	0.00	0.97	0.00	0.00
PWOPRSES0004594	1.00	0.00	0.70	0.00	0.30	0.00	0.00	0.00	1.00	0.00
PWOPRSES0004597	1.00	0.98	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0004603	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0004637	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005529	1.00	0.00	0.00	0.00	0.15	0.02	0.00	0.83	0.09	0.00
PWOPRSES0005530	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005531	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005532	1.00	0.00	0.69	0.00	0.30	0.00	0.00	0.00	1.00	0.00
PWOPRSES0005534	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.99	0.00	0.00
PWOPRSES0005535	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005536	1.15	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005537	1.00	0.00	0.00	0.00	0.00	0.03	0.00	0.97	0.01	0.00
PWOPRSES0005539	1.00	0.05	0.00	0.00	0.00	0.01	0.00	0.94	0.00	0.00
PWOPRSES0005540	1.42	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005541	1.00	0.00	0.00	0.00	0.85	0.14	0.00	0.00	0.00	0.00
PWOPRSES0005710	1.00	0.59	0.11	0.00	0.28	0.03	0.00	0.00	0.94	0.00
PWOPRSES0005734	1.00	0.00	0.00	0.00	0.17	0.00	0.00	0.82	0.10	0.00
PWOPRSES0005735	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005736	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0005739	1.00	0.00	0.71	0.00	0.12	0.17	0.00	0.00	1.00	0.00
PWOPRSES0005744	1.00	0.00	0.71	0.00	0.23	0.05	0.00	0.00	0.99	0.00
PWOPRSES0005766	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005767	1.00	0.00	0.00	0.00	0.00	0.14	0.00	0.86	0.00	0.00
PWOPRSES0005768	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005769	1.00	0.00	0.67	0.00	0.32	0.00	0.00	0.00	0.99	0.00
PWOPRSES0005770	1.00	0.00	0.71	0.00	0.15	0.14	0.00	0.00	0.00	0.00
PWOPRSES0005771	1.48	0.00	0.00	0.00	0.03	0.07	0.00	0.90	0.01	0.00
PWOPRSES0006537	1.00	0.00	0.71	0.00	0.29	0.00	0.00	0.00	1.00	0.00
PWOPRSES0006538	1.00	0.97	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0006542	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0006547	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0006548	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0006549	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0006550	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0006551	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0006552	1.00	0.00	0.00	0.00	0.05	0.12	0.00	0.82	0.00	0.00
PWOPRSES0006553	1.00	0.00	0.63	0.00	0.35	0.01	0.00	0.00	0.96	0.00
PWOPRSES0006554	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0006555	1.00	0.00	0.00	0.00	0.03	0.02	0.00	0.95	0.03	0.00
PWOPRSES0006576	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0006577	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
STMEasement	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.17	0.00
SWMPOND_OUT	1.00	0.00	0.67	0.00	0.32	0.01	0.00	0.00	0.98	0.00

```
*************************
Conduit Surcharge Summary
*************************

No conduits were surcharged.


Analysis begun on:  Fri Jan 14 15:04:25 2022
Analysis ended on:  Fri Jan 14 15:04:48 2022
Total elapsed time: 00:00:23
```

```
EPA STORM WATER MANAGEMENT MODEL - VERSION 5.1 (Build 5.1.013)
--------------------------------------------------------------

Climate Change Model of Scenario 1

WARNING 03: negative offset ignored for Link 1
WARNING 03: negative offset ignored for Link 1
WARNING 03: negative offset ignored for Link 10
WARNING 03: negative offset ignored for Link 10
WARNING 03: negative offset ignored for Link 11
WARNING 03: negative offset ignored for Link 11
WARNING 03: negative offset ignored for Link 12
WARNING 03: negative offset ignored for Link 12
WARNING 03: negative offset ignored for Link 13
WARNING 03: negative offset ignored for Link 13
WARNING 03: negative offset ignored for Link 14
WARNING 03: negative offset ignored for Link 14
WARNING 03: negative offset ignored for Link 15
WARNING 03: negative offset ignored for Link 15
WARNING 03: negative offset ignored for Link 17
WARNING 03: negative offset ignored for Link 17
WARNING 03: negative offset ignored for Link 18
WARNING 03: negative offset ignored for Link 18
WARNING 03: negative offset ignored for Link 19
WARNING 03: negative offset ignored for Link 19
WARNING 03: negative offset ignored for Link 2
WARNING 03: negative offset ignored for Link 2
WARNING 03: negative offset ignored for Link 20
WARNING 03: negative offset ignored for Link 20
WARNING 03: negative offset ignored for Link 21
WARNING 03: negative offset ignored for Link 21
WARNING 03: negative offset ignored for Link 22
WARNING 03: negative offset ignored for Link 22
WARNING 03: negative offset ignored for Link 23
WARNING 03: negative offset ignored for Link 23
WARNING 03: negative offset ignored for Link 24
WARNING 03: negative offset ignored for Link 24
WARNING 03: negative offset ignored for Link 25
WARNING 03: negative offset ignored for Link 25
WARNING 03: negative offset ignored for Link 26
WARNING 03: negative offset ignored for Link 26
WARNING 03: negative offset ignored for Link 27
WARNING 03: negative offset ignored for Link 27
WARNING 03: negative offset ignored for Link 28
WARNING 03: negative offset ignored for Link 28
WARNING 03: negative offset ignored for Link 29
WARNING 03: negative offset ignored for Link 29
WARNING 03: negative offset ignored for Link 3
WARNING 03: negative offset ignored for Link 3
WARNING 03: negative offset ignored for Link 30
WARNING 03: negative offset ignored for Link 30
WARNING 03: negative offset ignored for Link 31
WARNING 03: negative offset ignored for Link 31
WARNING 03: negative offset ignored for Link 32
WARNING 03: negative offset ignored for Link 32
WARNING 03: negative offset ignored for Link 33
```

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WARNING 03: negative offset ignored for Link 33
WARNING 03: negative offset ignored for Link 34
WARNING 03: negative offset ignored for Link 34
WARNING 03: negative offset ignored for Link 35
WARNING 03: negative offset ignored for Link 35
WARNING 03: negative offset ignored for Link 36
WARNING 03: negative offset ignored for Link 37
WARNING 03: negative offset ignored for Link 37
WARNING 03: negative offset ignored for Link 38
WARNING 03: negative offset ignored for Link 38
WARNING 03: negative offset ignored for Link 39
WARNING 03: negative offset ignored for Link 39
WARNING 03: negative offset ignored for Link 4
WARNING 03: negative offset ignored for Link 4
WARNING 03: negative offset ignored for Link 40
WARNING 03: negative offset ignored for Link 40
WARNING 03: negative offset ignored for Link 41
WARNING 03: negative offset ignored for Link 41
WARNING 03: negative offset ignored for Link 44
WARNING 03: negative offset ignored for Link 44
WARNING 03: negative offset ignored for Link 45
WARNING 03: negative offset ignored for Link 46
WARNING 03: negative offset ignored for Link 47
WARNING 03: negative offset ignored for Link 5
WARNING 03: negative offset ignored for Link 5
WARNING 03: negative offset ignored for Link 51
WARNING 03: negative offset ignored for Link 6
WARNING 03: negative offset ignored for Link 6
WARNING 03: negative offset ignored for Link 7
WARNING 03: negative offset ignored for Link 7
WARNING 03: negative offset ignored for Link 8
WARNING 03: negative offset ignored for Link 8
WARNING 03: negative offset ignored for Link 9
WARNING 03: negative offset ignored for Link 9
WARNING 03: negative offset ignored for Link PWOPRSES0001978
WARNING 02: maximum depth increased for Node 11
WARNING 02: maximum depth increased for Node 13
WARNING 02: maximum depth increased for Node 22
WARNING 02: maximum depth increased for Node 24
WARNING 02: maximum depth increased for Node 36
WARNING 02: maximum depth increased for Node 8
WARNING 02: maximum depth increased for Node 9
WARNING 02: maximum depth increased for Node PWOPRMHS0001401
WARNING 02: maximum depth increased for Node PWOPRMHS0001402
WARNING 02: maximum depth increased for Node PWOPRMHS0001602
WARNING 02: maximum depth increased for Node PWOPRMHS0001611
WARNING 02: maximum depth increased for Node PWOPRMHS0001662
WARNING 02: maximum depth increased for Node PWOPRMHS0001670
WARNING 02: maximum depth increased for Node PWOPRMHS0001688
WARNING 02: maximum depth increased for Node PWOPRMHS0004129
WARNING 02: maximum depth increased for Node PWOPRMHS0004130
WARNING 02: maximum depth increased for Node PWOPRMHS0004141
WARNING 02: maximum depth increased for Node PWOPRMHS0005230
WARNING 02: maximum depth increased for Node PWOPRMHS0005930
WARNING 02: maximum depth increased for Node PWOPRMHS0005931
WARNING 02: maximum depth increased for Node PWOPRMHS0005945
WARNING 02: maximum depth increased for Node SWMPOND
```

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

****************
Analysis Options
****************
Flow Units ............... CMS
Process Models:
  Rainfall/Runoff ........ YES
  RDII ................... NO
  Snowmelt ............... NO
  Groundwater ............ NO
  Flow Routing ........... YES
  Ponding Allowed ........ NO
  Water Quality .......... NO
Infiltration Method ...... GREEN_AMPT
Flow Routing Method ...... DYNWAVE
Surcharge Method ......... EXTRAN
Starting Date ............ 09/01/2021 00:00:00
Ending Date .............. 09/04/2021 00:00:00
Antecedent Dry Days ...... 0.0
Report Time Step ......... 00:05:00
Wet Time Step ............ 00:05:00
Dry Time Step ............ 00:15:00
Routing Time Step ........ 1.00 sec
Variable Time Step ....... YES
Maximum Trials ........... 8
Number of Threads ........ 4
Head Tolerance ........... 0.001500 m


**************************        Volume         Depth
Runoff Quantity Continuity     hectare-m            mm
**************************     ---------       -------
Total Precipitation ......       293.575       172.690
Outfall Runon ............      5629.208      3311.275
Evaporation Loss .........         2.156         1.268
Infiltration Loss ........       122.715        72.184
Surface Runoff ...........      5798.628      3410.933
Final Storage ............         0.000         0.000
Continuity Error (%) .....        -0.012


**************************        Volume        Volume
Flow Routing Continuity        hectare-m      10^6 ltr
**************************     ---------     ---------
Dry Weather Inflow .......         0.000         0.000
Wet Weather Inflow .......      5798.617     57986.774
Groundwater Inflow .......         0.000         0.000
RDII Inflow ..............         0.000         0.000
External Inflow ..........         0.000         0.000
External Outflow .........      5798.942     57990.023
Flooding Loss ............         0.000         0.000
```

```
Evaporation Loss .........         0.019         0.187
Exfiltration Loss ........         0.000         0.000
Initial Stored Volume ....         0.000         0.001
Final Stored Volume ......         0.013         0.132
Continuity Error (%) .....        -0.006


*************************
Highest Continuity Errors
*************************
Node PWOPRMHS0001642 (2.09%)
Node PWOPRMHS0001611 (1.50%)
Node PWOPRMHS0001643 (-1.26%)
Node PWOPRMHS0001614 (-1.24%)


***************************
Time-Step Critical Elements
***************************
Link 67 (12.96%)
Link 65 (11.87%)


********************************
Highest Flow Instability Indexes
********************************
Link 67 (21)
Link 44 (12)
Link 21 (9)
Link 65 (6)
Link 23 (3)


*************************
Routing Time Step Summary
*************************
Minimum Time Step           :     0.77 sec
Average Time Step           :     0.96 sec
Maximum Time Step           :     1.00 sec
Percent in Steady State     :     0.00
Average Iterations per Step :     2.03
Percent Not Converging      :     0.06


***************************
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
A1	172.69	1407.96	1.03	90.50	78.94	1410.85	1489.79	124.82	16.70	0.943
A1.1	172.69	0.00	1.35	33.04	52.96	85.47	138.43	59.27	9.04	0.802
A1.1_FRST	172.69	0.00	0.96	58.18	8.54	105.14	113.68	4.14	0.74	0.658
A2	172.69	912.43	1.12	98.21	54.16	931.91	986.07	113.31	10.39	0.909

A2.1	172.69	0.00	0.96	55.34	34.16	82.35	116.51	15.03	2.60	0.675
A2.1_FRST	172.69	0.00	0.74	75.30	8.54	88.24	96.78	3.17	0.63	0.560
A2.2	172.69	0.00	1.21	39.26	58.08	74.29	132.36	11.18	1.76	0.766
A2.2_FRST	172.69	0.00	0.74	74.82	8.54	88.73	97.27	2.16	0.43	0.563
A3	172.69	1620.51	1.58	187.16	89.55	1515.03	1604.63	911.03	43.22	0.895
A3.1	172.69	0.00	1.25	37.25	37.57	96.72	134.30	8.66	1.36	0.778
A3.1_FRST	172.69	0.00	0.76	77.03	8.54	86.46	95.00	12.53	2.48	0.550
A3.2	172.69	0.00	1.25	38.24	61.50	71.85	133.35	43.10	6.74	0.772
A3.2_FRST	172.69	0.00	0.70	88.12	8.54	75.43	83.97	6.21	1.30	0.486
A3.3	172.69	0.00	1.28	37.24	39.29	94.99	134.28	94.29	14.68	0.778
A3.3_FRST	172.69	0.00	0.70	95.32	8.54	68.21	76.75	13.15	2.67	0.444
A4	172.69	9424.04	2.76	248.56	479.68	8866.15	9345.83	9394.20	296.54	0.974
A4.1	172.69	0.00	1.21	37.32	34.15	100.20	134.34	1.38	0.22	0.778
A4.1_FRST	172.69	0.00	0.72	81.79	8.54	81.76	90.29	4.99	1.03	0.523
A4.2	172.69	0.00	1.33	33.95	49.54	88.00	137.54	13.49	2.07	0.796
A4.2_FRST	172.69	0.00	0.88	69.35	8.54	94.00	102.54	16.56	3.00	0.594
A4.3	172.69	0.00	1.55	22.94	104.22	44.18	148.40	69.70	10.02	0.859
A4.3_FRST	172.69	0.00	0.65	95.83	8.54	67.78	76.31	6.19	1.37	0.442
A4.4_FRST	172.69	0.00	0.67	103.86	8.54	59.70	68.24	12.72	2.60	0.395
A4.5	172.69	0.00	1.34	33.92	49.54	88.02	137.56	149.67	22.95	0.797
A4.5_FRST	172.69	0.00	1.00	60.17	8.54	103.08	111.62	16.77	2.93	0.646
A4.6	172.69	0.00	1.34	41.99	88.85	40.70	129.55	192.99	30.36	0.750
A4.6_FRST	172.69	0.00	0.69	98.97	8.54	64.57	73.11	44.42	9.01	0.423
B1	172.69	2199.21	1.29	52.18	118.50	2201.99	2320.49	71.58	16.60	0.978
B1.1	172.69	0.00	1.22	37.72	34.15	99.75	133.90	1.34	0.21	0.775
B1.1_FRST	172.69	0.00	1.17	48.01	8.54	115.07	123.61	4.58	0.76	0.716
B2	172.69	24470.80	1.41	80.53	1232.11	23336.57	24568.68	715.39	68.56	0.997
B2.1	172.69	0.00	1.14	42.29	18.78	110.60	129.38	8.38	1.36	0.749
B2.1_FRST	172.69	0.00	1.18	48.20	8.54	114.87	123.40	9.95	1.65	0.715
C1	172.69	26622.53	1.26	122.39	1339.70	25339.23	26678.93	841.75	99.39	0.996
C1.1	172.69	0.00	1.57	22.98	104.22	44.12	148.33	182.90	26.31	0.859
C1.1_FRST	172.69	0.00	0.77	69.64	8.54	93.87	102.41	2.86	0.55	0.593
D1	172.69	4131.59	1.16	135.84	215.12	3953.32	4168.44	548.36	56.19	0.968
D1.1	172.69	0.00	1.46	38.77	104.22	28.46	132.67	158.97	24.37	0.768
D1.1_FRST	172.69	0.00	0.78	89.26	8.54	74.17	82.71	25.09	4.44	0.479
D2	172.69	83.98	1.00	94.71	12.74	148.29	161.02	28.29	3.43	0.627
D2.1	172.69	0.00	1.37	44.28	92.25	34.98	127.23	66.47	10.50	0.737
D2.1_FRST	172.69	0.00	0.73	94.51	8.54	68.97	77.51	14.75	2.74	0.449
D3	172.69	82424.32	2.26	218.97	4129.79	78249.57	82379.36	4623.07	151.67	0.997
D3.1	172.69	0.00	1.44	38.15	102.51	30.80	133.31	48.14	7.38	0.772
D4	172.69	37663.88	2.08	225.74	1891.76	35719.58	37611.34	1323.90	51.47	0.994
D4.1	172.69	0.00	1.36	43.38	90.55	37.60	128.14	30.00	4.73	0.742
D4.1_FRST	172.69	0.00	0.70	92.13	8.54	71.40	79.94	10.91	2.21	0.463
E1	172.69	816139.04	3.07	307.92	40816.24	775201.45	816017.69	23893.71	544.75	1.000
E1.1	172.69	0.00	0.97	57.29	39.29	75.26	114.55	20.63	3.59	0.663
E1.1_FRST	172.69	0.00	0.77	90.09	8.54	73.37	81.91	26.91	4.94	0.474
E2	172.69	1767452.93	3.05	207.60	88381.64	1679399.80	1767781.44	13891.13	294.62	1.000
E2.1	172.69	0.00	1.22	38.67	32.45	100.47	132.92	12.33	1.95	0.770
E2.1_FRST	172.69	0.00	0.92	57.88	8.54	105.52	114.06	0.99	0.18	0.660
E3	172.69	84.72	0.74	107.76	12.77	136.25	149.02	20.89	3.90	0.579
E3.1	172.69	0.00	0.93	58.77	37.57	75.56	113.13	25.81	4.55	0.655
E3.1_FRST	172.69	0.00	0.72	81.15	8.54	82.39	90.93	11.88	2.44	0.527
HC01-01	172.69	0.00	1.03	52.25	49.01	70.54	119.55	7.44	1.26	0.692
HC01-02	172.69	0.00	0.98	54.41	42.35	75.11	117.46	2.67	0.46	0.680
HC01-03	172.69	0.00	0.98	54.52	42.35	74.98	117.33	1.41	0.24	0.679
HC01-04	172.69	0.00	0.90	59.93	33.13	78.87	111.99	2.79	0.50	0.649
HC01-05	172.69	0.00	0.98	54.34	42.35	75.18	117.52	2.94	0.50	0.681

HC01-06	172.69	0.00	0.98	54.52	42.35	74.98	117.33	1.55	0.27	0.679
HC01-07	172.69	0.00	1.00	55.18	42.36	74.28	116.64	0.82	0.14	0.675
HC01-08	172.69	0.00	0.98	54.45	42.35	75.06	117.41	0.61	0.10	0.680
HC01-09	172.69	0.00	0.99	54.81	42.35	74.67	117.02	0.77	0.13	0.678
HC01-10	172.69	0.00	0.98	54.53	42.35	74.97	117.32	1.34	0.23	0.679
HC01-11	172.69	0.00	0.99	54.79	42.35	74.69	117.04	1.63	0.28	0.678
HC01-12	172.69	0.00	1.00	49.75	42.35	79.75	122.10	3.79	0.63	0.707
HC02-01	172.69	0.00	1.16	44.99	63.71	62.98	126.69	0.47	0.08	0.734
HC02-02	172.69	0.00	1.38	33.54	86.11	51.85	137.96	2.99	0.45	0.799
HC02-03	172.69	0.00	1.26	39.27	73.80	58.53	132.32	0.25	0.04	0.766
HC02-04	172.69	0.00	1.04	49.79	49.86	72.17	122.03	0.50	0.08	0.707
HC02-05	172.69	0.00	0.85	60.94	25.27	85.78	111.05	3.29	0.59	0.643
HC02-06	172.69	0.00	0.86	60.89	25.95	85.13	111.08	1.99	0.36	0.643
HC02-07	172.69	0.00	0.84	63.94	21.86	86.18	108.04	0.84	0.15	0.626
HC02-08	172.69	0.00	0.80	65.02	19.81	87.20	107.01	1.35	0.25	0.620
HC02-09	172.69	0.00	0.85	63.53	23.22	85.20	108.43	0.94	0.17	0.628
HC02-10	172.69	0.00	0.82	64.76	21.17	86.07	107.24	1.01	0.19	0.621
HC02-11	172.69	0.00	0.84	63.00	23.22	85.76	108.98	1.62	0.30	0.631
HC02-12	172.69	0.00	0.84	65.65	21.18	85.13	106.31	2.29	0.42	0.616
HC02-13	172.69	0.00	0.81	65.57	19.81	86.62	106.42	0.89	0.17	0.616
HC02-14	172.69	0.00	0.81	64.93	20.49	86.59	107.08	0.99	0.18	0.620
HC02-15	172.69	0.00	0.83	62.89	22.54	86.59	109.12	1.75	0.32	0.632
HC02-16	172.69	0.00	0.71	83.62	23.90	64.62	88.53	0.45	0.09	0.513
HC02-17	172.69	0.00	0.86	57.93	22.54	91.49	114.03	2.69	0.47	0.660
HC02-18	172.69	0.00	0.71	83.46	23.90	64.81	88.71	3.40	0.71	0.514
HC02-19	172.69	0.00	0.76	86.57	24.60	60.86	85.46	1.30	0.26	0.495
HC02-20	172.69	0.00	1.12	45.53	60.10	66.10	126.20	0.56	0.09	0.731
HC02-21	172.69	0.00	0.85	62.58	24.59	84.79	109.38	3.84	0.70	0.633
HC02-22	172.69	0.00	0.85	62.58	24.59	84.79	109.38	3.25	0.59	0.633
HC02-23	172.69	0.00	1.24	39.35	73.10	59.16	132.26	0.53	0.08	0.766
HC02-24	172.69	0.00	1.45	26.49	99.72	45.21	144.93	0.10	0.01	0.839
HC02-25	172.69	0.00	1.28	36.53	78.38	56.68	135.06	1.53	0.24	0.782
HC02-26	172.69	0.00	1.40	29.63	93.57	48.27	141.84	0.48	0.07	0.821
HC02-27	172.69	0.00	0.76	78.96	30.73	62.42	93.16	0.70	0.14	0.539
HC02-28	172.69	0.00	0.77	79.20	30.74	62.16	92.90	0.53	0.11	0.538
HC02-29	172.69	0.00	1.12	57.24	68.33	46.18	114.50	0.61	0.10	0.663
HC02-30	172.69	0.00	0.58	78.25	2.05	91.91	93.96	1.39	0.28	0.544
HC02-31	172.69	0.00	0.73	81.79	25.95	64.38	90.33	2.19	0.45	0.523
HC02-32	172.69	0.00	0.72	82.69	24.59	64.89	89.47	1.92	0.40	0.518
HC02-33	172.69	0.00	0.75	82.86	25.96	63.26	89.22	0.74	0.15	0.517
HC02-34	172.69	0.00	0.89	70.14	44.40	57.45	101.84	0.31	0.06	0.590
HC02-35	172.69	0.00	0.58	76.35	2.73	93.16	95.89	0.96	0.19	0.555
HC02-36	172.69	0.00	0.56	92.28	9.56	70.56	80.12	0.35	0.08	0.464
HC02-37	172.69	0.00	0.57	93.23	8.88	70.23	79.11	0.80	0.18	0.458
HC02-38	172.69	0.00	0.85	63.58	23.22	85.15	108.37	3.37	0.61	0.628
HC02-39	172.69	0.00	0.86	67.79	19.81	84.32	104.13	0.92	0.17	0.603
HC03-01	172.69	0.00	1.13	44.66	54.65	72.39	127.05	2.85	0.46	0.736
HC03-02	172.69	0.00	0.85	60.57	25.95	85.48	111.43	0.89	0.16	0.645
HC03-03	172.69	0.00	0.89	57.60	32.10	82.32	114.42	0.15	0.03	0.663
HC03-04	172.69	0.00	0.91	58.09	32.10	81.74	113.84	1.17	0.21	0.659
HC03-05	172.69	0.00	1.15	43.82	62.84	65.06	127.90	0.42	0.07	0.741
HC03-06	172.69	0.00	0.83	62.32	23.56	86.14	109.70	5.66	1.03	0.635
HC03-07	172.69	0.00	0.86	60.86	25.95	85.16	111.11	2.01	0.36	0.643
HC03-08	172.69	0.00	0.72	82.79	26.46	62.90	89.37	3.90	0.81	0.518
HC03-09	172.69	0.00	0.85	76.15	39.79	56.06	95.85	1.86	0.36	0.555
HC03-10	172.69	0.00	0.68	86.59	20.49	65.10	85.59	1.45	0.31	0.496
HC03-11	172.69	0.00	0.74	82.11	28.17	61.84	90.02	2.26	0.46	0.521

HC03-12	172.69	0.00	0.73	85.50	23.91	62.68	86.59	1.02	0.21	0.501
HC03-13	172.69	0.00	0.78	78.18	32.10	61.78	93.88	0.36	0.07	0.544
HC03-14	172.69	0.00	1.41	35.63	99.76	36.07	135.84	0.18	0.03	0.787
HC03-15	172.69	0.00	0.71	84.25	23.22	64.67	87.89	0.54	0.11	0.509
HC03-16	172.69	0.00	0.82	76.10	36.20	59.72	95.92	0.30	0.06	0.555
HC03-17	172.69	0.00	1.15	43.78	62.84	65.11	127.95	0.15	0.02	0.741
HC03-18	172.69	0.00	1.53	22.97	109.30	39.06	148.36	0.15	0.02	0.859
HC03-19	172.69	0.00	0.75	67.44	14.34	90.38	104.72	8.25	1.55	0.606
HC03-20	172.69	0.00	0.69	73.26	4.10	94.77	98.87	1.48	0.29	0.573
HC04-01	172.69	0.00	0.94	55.96	30.74	85.17	115.91	4.16	0.72	0.671
HC04-02	172.69	0.00	0.70	85.26	23.73	63.15	86.89	0.57	0.12	0.503
HC04-03	172.69	0.00	0.72	84.55	25.44	62.12	87.57	1.05	0.22	0.507
HC04-04	172.69	0.00	0.94	56.29	30.74	84.83	115.57	6.10	1.06	0.669
HC04-05	172.69	0.00	0.76	80.47	30.05	61.58	91.64	0.57	0.12	0.531
HC04-06	172.69	0.00	0.77	81.45	30.06	60.56	90.61	0.97	0.20	0.525
HC04-07	172.69	0.00	1.09	58.16	65.59	48.01	113.60	0.10	0.02	0.658
HC04-08	172.69	0.00	0.74	83.64	26.47	62.00	88.47	0.30	0.06	0.512
HC04-09	172.69	0.00	0.77	81.15	30.05	60.86	90.92	0.48	0.10	0.526
HC04-10	172.69	0.00	0.78	81.56	30.06	60.44	90.49	0.56	0.11	0.524
HC04-11	172.69	0.00	0.74	83.02	28.52	60.60	89.11	0.81	0.17	0.516
HC04-12	172.69	0.00	0.70	85.69	22.54	63.90	86.44	1.90	0.40	0.501
HC04-13	172.69	0.00	0.74	82.18	25.95	63.96	89.92	0.27	0.06	0.521
HC04-14	172.69	0.00	0.87	64.01	23.91	84.01	107.92	3.01	0.55	0.625
HC04-15	172.69	0.00	0.84	62.84	23.90	85.23	109.13	4.27	0.78	0.632
HC04-16	172.69	0.00	0.86	61.03	25.95	84.98	110.93	0.51	0.09	0.642
HC04-17	172.69	0.00	0.89	59.84	30.05	82.06	112.11	2.53	0.45	0.649
HC04-18	172.69	0.00	0.95	57.91	36.04	77.92	113.96	0.30	0.05	0.660
HC04-19	172.69	0.00	0.81	64.82	20.49	86.71	107.20	1.39	0.26	0.621
HC04-20	172.69	0.00	0.80	64.50	20.49	87.06	107.55	0.60	0.11	0.623
HC04-21	172.69	0.00	0.88	59.84	29.37	82.77	112.13	0.17	0.03	0.649
HC04-22	172.69	0.00	0.91	58.60	32.78	80.55	113.33	0.26	0.05	0.656
HC04-23	172.69	0.00	0.87	59.97	30.05	82.01	112.06	0.63	0.11	0.649
HC04-24	172.69	0.00	0.83	61.74	24.59	85.71	110.30	0.14	0.03	0.639
HC04-25	172.69	0.00	0.86	57.48	23.22	91.27	114.49	0.89	0.16	0.663
HC04-26	172.69	0.00	0.74	89.84	21.87	60.35	82.21	0.61	0.12	0.476
HC04-27	172.69	0.00	0.79	65.65	18.44	87.94	106.38	0.38	0.07	0.616
HC04-28	172.69	0.00	0.74	82.11	25.95	64.03	89.99	0.66	0.14	0.521
HC04-29	172.69	0.00	0.87	57.66	23.22	91.08	114.30	4.14	0.73	0.662
HC04-30	172.69	0.00	0.87	57.28	23.90	90.78	114.68	2.22	0.39	0.664
HC04-31	172.69	0.00	0.93	69.13	47.82	54.98	102.80	0.49	0.09	0.595
HC04-32	172.69	0.00	0.74	82.45	25.96	63.69	89.65	0.30	0.06	0.519
HC04-33	172.69	0.00	0.71	84.45	23.22	64.47	87.69	0.99	0.21	0.508
HC04-34	172.69	0.00	0.59	93.95	9.56	68.76	78.32	1.21	0.28	0.454
HC04-35	172.69	0.00	0.71	84.77	23.22	64.13	87.35	0.43	0.09	0.506
HC04-36	172.69	0.00	1.11	43.45	55.50	72.81	128.30	3.76	0.60	0.743
HC05-01	172.69	0.00	0.82	58.84	20.49	92.71	113.20	6.78	1.20	0.655
HC05-02	172.69	0.00	0.84	58.81	21.17	92.03	113.20	3.66	0.65	0.655
HC05-03	172.69	0.00	1.67	16.50	129.77	24.89	154.66	0.17	0.02	0.896
HC05-04	172.69	0.00	0.66	87.97	19.12	65.10	84.22	0.41	0.09	0.488
HC05-05	172.69	0.00	0.75	82.65	25.62	63.80	89.41	0.82	0.17	0.518
HC05-06	172.69	0.00	0.75	80.97	28.69	62.44	91.13	0.38	0.08	0.528
HC05-07	172.69	0.00	0.70	85.25	22.54	64.35	86.89	0.63	0.13	0.503
HC05-08	172.69	0.00	0.71	84.79	23.22	64.11	87.33	1.92	0.40	0.506
HC05-09	172.69	0.00	0.73	87.62	22.54	61.91	84.46	0.23	0.05	0.489
HC05-10	172.69	0.00	0.76	79.21	30.05	62.88	92.93	0.33	0.07	0.538
HC05-11	172.69	0.00	0.57	93.43	8.88	70.02	78.90	2.50	0.57	0.457
HC06-01	172.69	0.00	0.86	60.97	25.95	85.04	111.00	0.36	0.06	0.643

HC06-02	172.69	0.00	0.88	62.19	25.28	84.46	109.74	0.71	0.13	0.635
HC06-03	172.69	0.00	0.71	79.10	0.00	92.97	92.97	1.39	0.26	0.538
HC06-04	172.69	0.00	0.67	76.60	0.68	94.84	95.52	1.06	0.21	0.553
HC06-05	172.69	0.00	0.80	65.02	18.44	88.56	107.00	0.37	0.07	0.620
HC06-06	172.69	0.00	0.82	63.28	21.85	86.88	108.74	1.71	0.31	0.630
HC06-07	172.69	0.00	0.82	58.54	19.12	94.41	113.53	0.45	0.08	0.657
HC06-08	172.69	0.00	0.84	61.86	24.59	85.57	110.15	4.57	0.83	0.638
HC06-09	172.69	0.00	0.81	62.74	22.20	87.12	109.32	2.85	0.52	0.633
HC06-10	172.69	0.00	0.82	63.13	21.85	87.05	108.90	2.61	0.48	0.631
HC06-11	172.69	0.00	0.91	53.82	30.05	88.08	118.13	0.26	0.04	0.684
HC06-12	172.69	0.00	1.01	49.05	42.35	80.45	122.80	0.25	0.04	0.711
HC06-13	172.69	0.00	1.28	43.28	87.44	40.86	128.30	0.36	0.06	0.743
HC06-14	172.69	0.00	0.89	67.68	39.28	64.97	104.25	1.89	0.35	0.604
HC06-15	172.69	0.00	1.77	11.44	136.66	23.01	159.67	0.19	0.03	0.925
HC06-16	172.69	0.00	1.56	24.80	114.45	32.07	146.52	0.41	0.06	0.848
HC06-17	172.69	0.00	0.88	69.75	37.57	64.62	102.20	1.57	0.30	0.592
HC06-18	172.69	0.00	1.37	39.33	94.64	37.54	132.18	3.52	0.54	0.765
HC06-19	172.69	0.00	1.74	11.39	136.60	23.07	159.67	0.05	0.01	0.925
HC06-20	172.69	0.00	1.76	11.43	136.65	23.03	159.68	0.34	0.05	0.925
HC06-21	172.69	0.00	1.64	26.94	114.40	29.88	144.29	1.83	0.27	0.836
HC06-22	172.69	0.00	1.75	11.40	136.61	23.06	159.67	0.10	0.01	0.925
HC06-23	172.69	0.00	1.64	23.38	119.58	28.30	147.88	2.22	0.32	0.856
HC06-24	172.69	0.00	1.75	11.40	136.63	23.05	159.68	0.19	0.03	0.925
HC06-25	172.69	0.00	0.91	53.75	30.05	88.15	118.21	3.96	0.68	0.684
HC06-26	172.69	0.00	0.89	73.00	43.72	55.22	98.95	2.61	0.50	0.573
HC06-27	172.69	0.00	1.68	16.52	129.80	24.85	154.65	0.25	0.03	0.896
HC06-28	172.69	0.00	1.82	11.54	136.67	22.88	159.55	0.32	0.04	0.924
HC06-29	172.69	0.00	0.80	63.38	13.66	94.98	108.64	1.35	0.25	0.629
HC06-30	172.69	0.00	1.33	33.14	81.99	56.40	138.39	0.46	0.07	0.801
HC06-31	172.69	0.00	0.56	75.56	2.73	94.02	96.75	1.75	0.35	0.560
HC06-32	172.69	0.00	0.59	95.42	8.88	67.93	76.81	1.04	0.24	0.445
HC07-01	172.69	0.00	0.79	82.79	29.38	59.86	89.24	2.70	0.55	0.517
HC07-02	172.69	0.00	0.79	80.17	32.11	59.77	91.88	1.06	0.21	0.532
HC07-03	172.69	0.00	0.73	81.92	25.95	64.27	90.22	0.33	0.07	0.522
HC07-04	172.69	0.00	0.69	86.85	19.81	65.49	85.30	0.29	0.06	0.494
HC07-05	172.69	0.00	0.77	86.72	25.97	59.34	85.31	0.25	0.05	0.494
HC07-06	172.69	0.00	0.74	86.08	23.91	62.08	85.99	1.77	0.37	0.498
HC07-07	172.69	0.00	0.71	84.97	23.91	63.24	87.15	0.33	0.07	0.505
HC07-08	172.69	0.00	1.45	41.99	98.37	31.06	129.43	0.25	0.04	0.750
HC07-09	172.69	0.00	0.79	63.02	30.05	79.01	109.06	0.27	0.05	0.632
HC08-01	172.69	0.00	0.92	55.41	29.37	87.12	116.50	0.80	0.14	0.675
HC08-02	172.69	0.00	0.95	54.15	32.11	85.60	117.71	2.73	0.47	0.682
HC08-03	172.69	0.00	0.75	83.12	25.96	62.99	88.95	1.78	0.37	0.515
HC08-04	172.69	0.00	0.86	60.85	19.81	91.28	111.09	0.77	0.14	0.643
HC08-05	172.69	0.00	0.90	55.32	25.95	90.65	116.60	0.76	0.13	0.675
HC08-06	172.69	0.00	0.87	57.64	23.91	90.40	114.30	1.35	0.24	0.662
HC08-07	172.69	0.00	0.87	57.51	23.90	90.53	114.43	0.63	0.11	0.663
HC08-08	172.69	0.00	1.49	25.29	98.40	47.69	146.09	0.60	0.09	0.846
HC08-09	172.69	0.00	0.95	53.65	30.06	88.15	118.21	2.10	0.36	0.684
HC08-10	172.69	0.00	0.69	66.56	2.73	102.89	105.62	1.39	0.26	0.612
HC09-01	172.69	0.00	0.82	81.44	34.16	56.40	90.56	0.86	0.17	0.524
HC09-02	172.69	0.00	0.71	86.34	23.90	61.89	85.80	0.88	0.19	0.497
HC09-03	172.69	0.00	0.74	84.47	25.96	61.66	87.61	0.85	0.18	0.507
HC09-04	172.69	0.00	0.67	88.28	19.12	64.77	83.89	2.13	0.46	0.486
HC09-05	172.69	0.00	0.69	86.63	21.17	64.35	85.52	2.22	0.48	0.495
HC09-06	172.69	0.00	0.68	86.95	20.49	64.73	85.22	1.05	0.22	0.493
HC09-07	172.69	0.00	0.62	90.19	13.66	68.37	82.03	0.39	0.09	0.475

HC10-01	172.69	0.00	0.68	87.57	21.00	63.59	84.59	3.78	0.81	0.490
HC10-02	172.69	0.00	0.94	69.21	48.34	54.35	102.69	2.60	0.48	0.595
HC10-03	172.69	0.00	0.93	72.26	45.95	53.69	99.64	1.85	0.35	0.577
HC10-04	172.69	0.00	0.73	83.21	26.47	62.45	88.91	1.64	0.34	0.515
HC10-05	172.69	0.00	0.73	86.72	24.25	61.11	85.37	2.06	0.43	0.494
HC10-06	172.69	0.00	0.70	87.33	21.17	63.62	84.79	1.13	0.24	0.491
HC10-07	172.69	0.00	0.75	82.48	28.17	61.44	89.62	1.53	0.32	0.519
HC10-08	172.69	0.00	0.71	83.54	25.44	63.22	88.66	1.06	0.22	0.513
HC10-09	172.69	0.00	0.69	87.32	20.83	63.99	84.82	1.18	0.25	0.491
HC10-10	172.69	0.00	0.71	84.01	25.44	62.71	88.15	0.25	0.05	0.510
HC10-11	172.69	0.00	0.78	78.15	33.29	60.67	93.97	0.25	0.05	0.544
HC10-12	172.69	0.00	0.58	75.30	4.10	92.86	96.96	0.87	0.17	0.561
HC10-13	172.69	0.00	0.75	83.83	27.33	60.92	88.24	0.52	0.11	0.511
HC10-14	172.69	0.00	0.74	82.48	27.83	61.80	89.63	0.41	0.09	0.519
HC10-15	172.69	0.00	0.74	81.90	28.17	62.06	90.23	0.36	0.07	0.523

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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
1	JUNCTION	0.04	0.91	333.55	0 05:15	0.91
11	JUNCTION	0.38	1.53	318.14	0 08:11	1.53
12	JUNCTION	0.40	1.68	317.18	0 08:57	1.67
13	JUNCTION	0.55	2.20	316.70	0 10:43	2.19
14	JUNCTION	0.05	0.69	331.79	0 05:15	0.69
15	JUNCTION	0.67	2.46	316.41	0 10:22	2.43
17	JUNCTION	0.39	1.32	313.32	0 13:27	1.32
18	JUNCTION	0.08	1.52	324.02	0 05:16	1.49
19	JUNCTION	0.03	0.66	324.16	0 05:20	0.66
2	JUNCTION	0.10	2.29	326.29	0 05:12	2.29
20	JUNCTION	0.07	0.79	330.89	0 05:16	0.79
21	JUNCTION	0.24	0.99	322.09	0 05:15	0.99
22	JUNCTION	0.10	1.70	323.20	0 05:16	1.69
24	JUNCTION	0.23	2.72	323.22	0 05:17	2.71
25	JUNCTION	0.12	2.12	323.22	0 05:16	2.11
26	JUNCTION	0.00	0.00	327.93	0 00:00	0.00
27	JUNCTION	0.06	1.37	327.87	0 05:15	1.37
28	JUNCTION	0.19	1.21	327.31	0 05:15	1.21
29	JUNCTION	0.08	0.86	324.75	0 06:16	0.86
3	JUNCTION	0.08	1.17	331.74	0 05:15	1.17
30	JUNCTION	0.19	0.79	321.29	0 07:19	0.79
31	JUNCTION	0.17	0.70	320.85	0 07:19	0.70
32	JUNCTION	0.19	0.80	319.80	0 07:20	0.80
34	JUNCTION	0.20	0.88	318.75	0 05:19	0.88
35	JUNCTION	0.20	0.89	318.39	0 05:20	0.88
36	JUNCTION	0.20	1.01	316.51	0 10:41	0.99
37	JUNCTION	0.04	0.82	324.92	0 05:16	0.82
39	JUNCTION	0.38	1.73	323.03	0 09:03	1.73
4	JUNCTION	0.00	0.10	325.10	0 05:15	0.10
40	JUNCTION	0.16	1.44	320.54	0 05:15	1.44
42	JUNCTION	0.10	1.15	323.25	0 05:53	1.15

48	JUNCTION	0.12	1.35	325.95	0	05:15	1.35
49	JUNCTION	0.34	1.66	323.26	0	09:00	1.66
5	JUNCTION	0.08	0.83	330.33	0	07:22	0.83
50	JUNCTION	0.24	1.03	319.13	0	06:15	1.03
53	JUNCTION	0.64	2.32	316.42	0	10:38	2.32
54	JUNCTION	0.55	1.87	315.79	0	13:02	1.86
56	JUNCTION	0.79	2.42	303.52	0	13:29	2.42
6	JUNCTION	0.09	1.07	330.07	0	05:15	1.07
7	JUNCTION	0.46	1.95	320.05	0	07:15	1.95
8	JUNCTION	0.29	3.29	324.25	0	05:15	3.28
9	JUNCTION	0.24	2.72	323.13	0	05:17	2.70
MHEasement1	JUNCTION	0.01	0.37	319.44	0	05:15	0.37
MHEasement2	JUNCTION	0.05	0.62	319.32	0	05:15	0.62
MHSchool	JUNCTION	0.03	0.78	329.33	0	05:15	0.78
MHSWM4	JUNCTION	0.04	1.11	320.36	0	05:15	1.11
PWOPRMHS0001369	JUNCTION	0.03	0.56	319.95	0	05:15	0.56
PWOPRMHS0001370	JUNCTION	0.01	0.32	319.59	0	05:15	0.32
PWOPRMHS0001371	JUNCTION	0.01	0.17	319.99	0	05:15	0.17
PWOPRMHS0001372	JUNCTION	0.00	0.00	320.15	0	00:00	0.00
PWOPRMHS0001373	JUNCTION	0.01	0.19	320.21	0	05:15	0.19
PWOPRMHS0001374	JUNCTION	0.01	0.29	319.98	0	05:15	0.29
PWOPRMHS0001375	JUNCTION	0.01	0.31	319.88	0	05:15	0.31
PWOPRMHS0001386	JUNCTION	0.07	0.69	319.30	0	05:15	0.69
PWOPRMHS0001387	JUNCTION	0.04	0.83	319.58	0	05:15	0.83
PWOPRMHS0001388	JUNCTION	0.03	0.67	319.60	0	05:15	0.67
PWOPRMHS0001389	JUNCTION	0.02	0.57	319.70	0	05:15	0.57
PWOPRMHS0001390	JUNCTION	0.01	0.21	317.70	0	05:15	0.21
PWOPRMHS0001391	JUNCTION	0.01	0.27	317.54	0	05:15	0.27
PWOPRMHS0001392	JUNCTION	0.01	0.15	318.33	0	05:15	0.15
PWOPRMHS0001393	JUNCTION	0.02	0.50	320.69	0	05:15	0.50
PWOPRMHS0001394	JUNCTION	0.01	0.30	317.16	0	05:15	0.30
PWOPRMHS0001395	JUNCTION	0.01	0.31	317.10	0	05:15	0.31
PWOPRMHS0001398	JUNCTION	0.01	0.32	317.59	0	05:15	0.32
PWOPRMHS0001399	JUNCTION	0.01	0.31	317.46	0	05:15	0.31
PWOPRMHS0001400	JUNCTION	0.01	0.32	317.31	0	05:15	0.32
PWOPRMHS0001401	JUNCTION	0.01	0.25	316.92	0	05:15	0.25
PWOPRMHS0001402	JUNCTION	0.01	0.37	316.87	0	05:15	0.37
PWOPRMHS0001403	JUNCTION	0.02	0.51	322.21	0	05:15	0.51
PWOPRMHS0001404	JUNCTION	0.02	0.43	320.97	0	05:15	0.43
PWOPRMHS0001408	JUNCTION	0.02	0.41	321.24	0	05:15	0.41
PWOPRMHS0001409	JUNCTION	0.01	0.17	327.98	0	05:15	0.17
PWOPRMHS0001410	JUNCTION	0.04	0.96	327.43	0	05:15	0.96
PWOPRMHS0001411	JUNCTION	0.01	0.27	327.74	0	05:15	0.27
PWOPRMHS0001412	JUNCTION	0.01	0.18	331.87	0	05:15	0.18
PWOPRMHS0001413	JUNCTION	0.02	0.36	332.10	0	05:15	0.36
PWOPRMHS0001415	JUNCTION	0.02	0.56	320.24	0	05:15	0.56
PWOPRMHS0001416	JUNCTION	0.05	1.38	320.37	0	05:14	1.38
PWOPRMHS0001418	JUNCTION	0.05	1.55	320.28	0	05:15	1.54
PWOPRMHS0001419	JUNCTION	0.01	0.24	320.23	0	05:15	0.24
PWOPRMHS0001420	JUNCTION	0.01	0.21	320.71	0	05:15	0.21
PWOPRMHS0001421	JUNCTION	0.01	0.19	321.13	0	05:15	0.19
PWOPRMHS0001422	JUNCTION	0.01	0.31	320.59	0	05:15	0.31
PWOPRMHS0001423	JUNCTION	0.01	0.27	320.70	0	05:15	0.27
PWOPRMHS0001424	JUNCTION	0.01	0.23	321.19	0	05:15	0.23
PWOPRMHS0001428	JUNCTION	0.00	0.00	323.21	0	00:00	0.00
PWOPRMHS0001429	JUNCTION	0.01	0.19	321.54	0	05:15	0.19
PWOPRMHS0001430	JUNCTION	0.00	0.00	321.23	0	00:00	0.00

PWOPRMHS0001431	JUNCTION	0.00	0.00	323.01	0	00:00	0.00
PWOPRMHS0001433	JUNCTION	0.01	0.70	320.48	0	05:14	0.60
PWOPRMHS0001435	JUNCTION	0.01	0.11	319.75	0	05:15	0.11
PWOPRMHS0001436	JUNCTION	0.06	1.74	320.09	0	05:15	1.73
PWOPRMHS0001437	JUNCTION	0.02	0.71	320.09	0	05:15	0.71
PWOPRMHS0001438	JUNCTION	0.06	1.47	319.67	0	05:15	1.47
PWOPRMHS0001467	JUNCTION	0.01	0.31	321.23	0	05:15	0.31
PWOPRMHS0001597	JUNCTION	0.00	0.25	325.03	0	05:14	0.25
PWOPRMHS0001598	JUNCTION	0.02	0.39	325.88	0	05:15	0.39
PWOPRMHS0001600	JUNCTION	0.02	0.37	325.03	0	05:15	0.37
PWOPRMHS0001601	JUNCTION	0.01	0.24	326.39	0	05:15	0.24
PWOPRMHS0001602	JUNCTION	0.01	0.25	326.23	0	05:15	0.25
PWOPRMHS0001603	JUNCTION	0.02	0.81	325.04	0	05:15	0.81
PWOPRMHS0001604	JUNCTION	0.03	1.08	325.03	0	05:15	1.08
PWOPRMHS0001605	JUNCTION	0.02	0.69	325.03	0	05:15	0.69
PWOPRMHS0001606	JUNCTION	0.05	1.46	325.03	0	05:15	1.46
PWOPRMHS0001608	JUNCTION	0.05	1.27	326.94	0	05:15	1.27
PWOPRMHS0001610	JUNCTION	0.02	0.42	325.86	0	05:15	0.42
PWOPRMHS0001611	JUNCTION	0.04	1.56	324.43	0	05:16	1.47
PWOPRMHS0001614	JUNCTION	0.04	1.21	324.12	0	05:11	1.14
PWOPRMHS0001622	JUNCTION	0.01	0.10	332.83	0	05:15	0.10
PWOPRMHS0001624	JUNCTION	0.01	0.29	331.21	0	05:15	0.29
PWOPRMHS0001625	JUNCTION	0.01	0.31	330.92	0	05:15	0.31
PWOPRMHS0001626	JUNCTION	0.25	0.46	331.46	0	05:15	0.46
PWOPRMHS0001634	JUNCTION	0.04	0.87	327.08	0	05:15	0.87
PWOPRMHS0001642	JUNCTION	0.02	1.26	324.53	0	05:04	1.16
PWOPRMHS0001643	JUNCTION	0.02	0.66	324.04	0	04:59	0.61
PWOPRMHS0001649	JUNCTION	0.01	0.29	329.50	0	05:15	0.29
PWOPRMHS0001650	JUNCTION	0.01	0.29	329.86	0	05:15	0.29
PWOPRMHS0001651	JUNCTION	0.01	0.25	330.53	0	05:15	0.25
PWOPRMHS0001652	JUNCTION	0.01	0.33	327.22	0	05:15	0.33
PWOPRMHS0001653	JUNCTION	0.02	0.41	325.65	0	05:15	0.41
PWOPRMHS0001654	JUNCTION	0.02	0.37	325.28	0	05:15	0.37
PWOPRMHS0001655	JUNCTION	0.01	0.12	330.12	0	05:15	0.12
PWOPRMHS0001657	JUNCTION	0.02	0.73	325.31	0	05:15	0.73
PWOPRMHS0001658	JUNCTION	0.01	0.41	325.33	0	05:15	0.41
PWOPRMHS0001659	JUNCTION	0.02	0.37	325.68	0	05:15	0.37
PWOPRMHS0001660	JUNCTION	0.03	0.91	325.01	0	05:15	0.91
PWOPRMHS0001661B	JUNCTION	0.03	0.99	325.30	0	05:15	0.99
PWOPRMHS0001662	JUNCTION	0.03	0.76	324.71	0	05:15	0.76
PWOPRMHS0001663	JUNCTION	0.05	1.22	325.28	0	05:15	1.22
PWOPRMHS0001664	JUNCTION	0.01	0.31	326.66	0	05:15	0.31
PWOPRMHS0001667	JUNCTION	0.06	1.67	324.82	0	05:15	1.67
PWOPRMHS0001670	JUNCTION	0.03	0.78	323.70	0	05:15	0.77
PWOPRMHS0001674	JUNCTION	0.04	0.94	326.82	0	05:15	0.94
PWOPRMHS0001676	JUNCTION	0.03	0.69	327.02	0	05:15	0.69
PWOPRMHS0001677	JUNCTION	0.02	0.58	327.17	0	05:15	0.58
PWOPRMHS0001678	JUNCTION	0.01	0.22	327.23	0	05:15	0.22
PWOPRMHS0001679	JUNCTION	0.02	0.42	336.31	0	05:15	0.42
PWOPRMHS0001680	JUNCTION	0.02	0.55	335.61	0	05:15	0.55
PWOPRMHS0001682	JUNCTION	0.02	0.51	328.61	0	05:15	0.51
PWOPRMHS0001686	JUNCTION	0.02	0.66	329.21	0	05:15	0.66
PWOPRMHS0001687	JUNCTION	0.05	1.25	327.65	0	05:15	1.25
PWOPRMHS0001688	JUNCTION	0.05	1.39	327.49	0	05:15	1.39
PWOPRMHS0001689	JUNCTION	0.05	1.29	327.90	0	05:15	1.29
PWOPRMHS0001690	JUNCTION	0.04	1.32	328.06	0	05:15	1.32
PWOPRMHS0001691	JUNCTION	0.04	1.21	328.19	0	05:15	1.21

PWOPRMHS0001692	JUNCTION	0.04	1.01	328.58	0	05:15	1.01
PWOPRMHS0001695	JUNCTION	0.02	0.93	323.18	0	05:16	0.91
PWOPRMHS0001697	JUNCTION	0.01	0.32	324.23	0	05:15	0.32
PWOPRMHS0001705	JUNCTION	0.01	0.16	328.69	0	05:15	0.16
PWOPRMHS0001706	JUNCTION	0.02	0.37	327.51	0	05:15	0.37
PWOPRMHS0001713	JUNCTION	0.03	0.66	326.17	0	05:15	0.66
PWOPRMHS0001729	JUNCTION	0.02	0.53	329.61	0	05:15	0.53
PWOPRMHS0001732	JUNCTION	0.02	0.54	329.52	0	05:15	0.54
PWOPRMHS0001733	JUNCTION	0.01	0.18	324.23	0	05:15	0.18
PWOPRMHS0001736	JUNCTION	0.02	0.64	324.04	0	05:00	0.62
PWOPRMHS0001739	JUNCTION	0.02	0.55	329.44	0	05:15	0.55
PWOPRMHS0001740	JUNCTION	0.02	0.61	329.33	0	05:15	0.61
PWOPRMHS0001741	JUNCTION	0.01	0.14	329.62	0	05:15	0.14
PWOPRMHS0001743	JUNCTION	0.04	1.12	328.41	0	05:15	1.12
PWOPRMHS0001744	JUNCTION	0.04	1.09	328.82	0	05:15	1.09
PWOPRMHS0001745	JUNCTION	0.04	1.07	329.13	0	05:15	1.07
PWOPRMHS0001746	JUNCTION	0.04	1.08	329.01	0	05:15	1.08
PWOPRMHS0001761	JUNCTION	0.00	0.00	329.15	0	00:00	0.00
PWOPRMHS0001764	JUNCTION	0.02	0.57	328.03	0	05:15	0.57
PWOPRMHS0001765	JUNCTION	0.02	0.37	328.41	0	05:15	0.37
PWOPRMHS0001766	JUNCTION	0.00	0.09	328.41	0	05:15	0.09
PWOPRMHS0001767	JUNCTION	0.02	0.57	327.82	0	05:15	0.57
PWOPRMHS0001768	JUNCTION	0.01	0.25	328.10	0	05:15	0.25
PWOPRMHS0001788	JUNCTION	0.03	0.80	323.74	0	05:15	0.80
PWOPRMHS0001791	JUNCTION	0.04	1.09	326.68	0	05:15	1.09
PWOPRMHS0001792	JUNCTION	0.04	0.92	326.16	0	05:15	0.92
PWOPRMHS0001796	JUNCTION	0.00	0.00	326.65	0	00:00	0.00
PWOPRMHS0001797	JUNCTION	0.01	0.25	326.65	0	05:15	0.25
PWOPRMHS0001798	JUNCTION	0.01	0.26	326.32	0	05:15	0.26
PWOPRMHS0001804	JUNCTION	0.00	0.08	332.06	0	05:15	0.08
PWOPRMHS0001836	JUNCTION	0.03	0.78	325.34	0	05:15	0.78
PWOPRMHS0001855	JUNCTION	0.02	0.34	326.55	0	05:15	0.34
PWOPRMHS0001856	JUNCTION	0.02	0.60	328.33	0	05:15	0.60
PWOPRMHS0001857	JUNCTION	0.02	0.34	322.77	0	05:15	0.34
PWOPRMHS0001858	JUNCTION	0.02	0.45	330.38	0	05:15	0.45
PWOPRMHS0001867	JUNCTION	0.01	0.15	332.09	0	05:15	0.15
PWOPRMHS0001874	JUNCTION	0.01	0.14	330.01	0	05:15	0.14
PWOPRMHS0001878	JUNCTION	0.02	0.77	324.05	0	05:00	0.72
PWOPRMHS0001879	JUNCTION	0.03	1.53	324.57	0	05:16	1.27
PWOPRMHS0001881	JUNCTION	0.01	0.42	323.99	0	05:12	0.41
PWOPRMHS0001889	JUNCTION	0.03	0.80	325.43	0	05:15	0.80
PWOPRMHS0001890	JUNCTION	0.03	0.76	325.28	0	05:15	0.76
PWOPRMHS0001891	JUNCTION	0.01	0.15	325.25	0	05:15	0.15
PWOPRMHS0001894	JUNCTION	0.03	0.84	325.07	0	05:15	0.84
PWOPRMHS0001903	JUNCTION	0.01	0.23	332.95	0	05:15	0.23
PWOPRMHS0001904	JUNCTION	0.02	0.39	330.83	0	05:15	0.39
PWOPRMHS0001906	JUNCTION	0.02	0.46	319.26	0	05:15	0.46
PWOPRMHS0001907	JUNCTION	0.02	0.48	319.31	0	05:15	0.48
PWOPRMHS0001908	JUNCTION	0.01	0.23	319.78	0	05:15	0.23
PWOPRMHS0001911	JUNCTION	0.02	0.47	318.96	0	05:15	0.47
PWOPRMHS0001912	JUNCTION	0.10	1.13	318.64	0	05:15	1.13
PWOPRMHS0001914	JUNCTION	0.01	0.23	332.06	0	05:15	0.23
PWOPRMHS0001915	JUNCTION	0.02	0.38	329.57	0	05:15	0.38
PWOPRMHS0001916	JUNCTION	0.02	0.47	328.06	0	05:15	0.47
PWOPRMHS0001917	JUNCTION	0.01	0.37	319.61	0	05:15	0.37
PWOPRMHS0001918	JUNCTION	0.07	1.49	319.30	0	05:15	1.49
PWOPRMHS0001919	JUNCTION	0.01	0.41	328.21	0	05:15	0.41

PWOPRMHS0001925	JUNCTION	0.02	0.46	323.79	0	05:15	0.46
PWOPRMHS0001926	JUNCTION	0.02	0.57	323.26	0	05:15	0.57
PWOPRMHS0001927	JUNCTION	0.01	0.22	323.73	0	05:15	0.22
PWOPRMHS0001928	JUNCTION	0.04	1.00	323.20	0	05:15	1.00
PWOPRMHS0001929	JUNCTION	0.02	0.34	324.19	0	05:15	0.34
PWOPRMHS0001930	JUNCTION	0.02	0.51	323.58	0	05:15	0.51
PWOPRMHS0001931	JUNCTION	0.01	0.28	325.27	0	05:15	0.28
PWOPRMHS0001932	JUNCTION	0.02	0.40	325.71	0	05:15	0.40
PWOPRMHS0001933	JUNCTION	0.02	0.39	326.05	0	05:15	0.39
PWOPRMHS0001935	JUNCTION	0.02	0.34	326.37	0	05:15	0.34
PWOPRMHS0001937	JUNCTION	0.01	0.32	324.60	0	05:15	0.32
PWOPRMHS0001939	JUNCTION	0.01	0.15	327.66	0	05:15	0.15
PWOPRMHS0001941	JUNCTION	0.00	0.00	326.79	0	00:00	0.00
PWOPRMHS0001943	JUNCTION	0.02	0.33	326.75	0	05:15	0.33
PWOPRMHS0001944	JUNCTION	0.03	0.63	323.27	0	05:15	0.63
PWOPRMHS0001945	JUNCTION	0.00	0.00	323.32	0	00:00	0.00
PWOPRMHS0001947	JUNCTION	0.01	0.14	324.16	0	05:15	0.14
PWOPRMHS0002041	JUNCTION	0.02	0.38	329.45	0	05:15	0.38
PWOPRMHS0002042	JUNCTION	0.02	0.39	329.95	0	05:15	0.39
PWOPRMHS0002046	JUNCTION	0.00	0.09	330.81	0	05:15	0.09
PWOPRMHS0002050	JUNCTION	0.01	0.33	329.30	0	05:15	0.33
PWOPRMHS0002051	JUNCTION	0.04	1.00	329.27	0	05:15	1.00
PWOPRMHS0002080	JUNCTION	0.01	0.26	325.49	0	05:15	0.26
PWOPRMHS0002082	JUNCTION	0.01	0.29	327.00	0	05:15	0.29
PWOPRMHS0002083	JUNCTION	0.02	0.42	325.74	0	05:15	0.42
PWOPRMHS0002084	JUNCTION	0.02	0.65	325.62	0	05:15	0.65
PWOPRMHS0002085	JUNCTION	0.01	0.15	329.54	0	05:15	0.15
PWOPRMHS0002095	JUNCTION	0.01	0.18	336.22	0	05:15	0.18
PWOPRMHS0003136	JUNCTION	0.03	0.74	329.63	0	05:15	0.74
PWOPRMHS0003137	JUNCTION	0.02	0.58	330.08	0	05:15	0.58
PWOPRMHS0003140	JUNCTION	0.00	0.00	327.35	0	00:00	0.00
PWOPRMHS0003146	JUNCTION	0.03	0.76	335.36	0	05:15	0.76
PWOPRMHS0003147	JUNCTION	0.02	0.43	334.22	0	05:15	0.43
PWOPRMHS0003148	JUNCTION	0.02	0.62	332.51	0	05:15	0.62
PWOPRMHS0003149	JUNCTION	0.02	0.48	331.34	0	05:15	0.48
PWOPRMHS0003153	JUNCTION	0.01	0.39	336.55	0	05:15	0.39
PWOPRMHS0003160	JUNCTION	0.01	0.21	335.71	0	05:15	0.21
PWOPRMHS0004129	JUNCTION	0.01	0.34	329.41	0	05:15	0.34
PWOPRMHS0004130	JUNCTION	0.02	0.49	329.32	0	05:15	0.49
PWOPRMHS0004131	JUNCTION	0.02	0.41	328.98	0	05:15	0.41
PWOPRMHS0004132	JUNCTION	0.02	0.56	328.69	0	05:15	0.56
PWOPRMHS0004133	JUNCTION	0.02	0.46	329.25	0	05:15	0.46
PWOPRMHS0004134	JUNCTION	0.01	0.25	332.19	0	05:15	0.25
PWOPRMHS0004135	JUNCTION	0.01	0.37	332.80	0	05:15	0.37
PWOPRMHS0004137	JUNCTION	0.01	0.24	334.62	0	05:15	0.24
PWOPRMHS0004141	JUNCTION	0.03	0.76	328.14	0	05:15	0.76
PWOPRMHS0004142	JUNCTION	0.03	0.64	327.68	0	05:15	0.64
PWOPRMHS0004143	JUNCTION	0.01	0.35	328.13	0	05:15	0.35
PWOPRMHS0004146	JUNCTION	0.00	0.00	332.40	0	00:00	0.00
PWOPRMHS0004159	JUNCTION	0.01	0.27	329.90	0	05:15	0.27
PWOPRMHS0004201	JUNCTION	0.01	0.27	329.79	0	05:15	0.27
PWOPRMHS0004998	JUNCTION	0.00	0.04	326.77	0	05:15	0.04
PWOPRMHS0004999	JUNCTION	0.00	0.03	327.52	0	04:20	0.03
PWOPRMHS0005000	JUNCTION	0.02	0.40	327.39	0	05:13	0.40
PWOPRMHS0005001	JUNCTION	0.02	0.41	327.53	0	05:15	0.41
PWOPRMHS0005003	JUNCTION	0.05	1.22	327.41	0	05:15	1.22
PWOPRMHS0005008	JUNCTION	0.01	0.14	338.66	0	05:15	0.14

PWOPRMHS0005009	JUNCTION	0.00	0.10	339.49	0	05:15	0.10
PWOPRMHS0005010	JUNCTION	0.01	0.13	338.27	0	05:15	0.13
PWOPRMHS0005011	JUNCTION	0.01	0.38	335.36	0	05:15	0.38
PWOPRMHS0005012	JUNCTION	0.01	0.20	335.75	0	05:15	0.20
PWOPRMHS0005013	JUNCTION	0.01	0.31	335.11	0	05:15	0.31
PWOPRMHS0005178	JUNCTION	0.00	0.05	328.69	0	05:10	0.05
PWOPRMHS0005179	JUNCTION	0.03	0.65	326.85	0	05:15	0.65
PWOPRMHS0005181	JUNCTION	0.03	0.68	327.34	0	05:15	0.68
PWOPRMHS0005183	JUNCTION	0.02	0.50	328.24	0	05:15	0.50
PWOPRMHS0005188	JUNCTION	0.01	0.28	330.22	0	05:15	0.28
PWOPRMHS0005196	JUNCTION	0.01	0.26	328.47	0	05:15	0.26
PWOPRMHS0005223	JUNCTION	0.03	0.63	326.47	0	05:15	0.63
PWOPRMHS0005226	JUNCTION	0.03	0.63	326.09	0	05:15	0.63
PWOPRMHS0005229	JUNCTION	0.01	0.30	325.04	0	05:15	0.30
PWOPRMHS0005230	JUNCTION	0.02	0.43	324.98	0	05:15	0.43
PWOPRMHS0005231	JUNCTION	0.01	0.24	325.48	0	05:15	0.24
PWOPRMHS0005906	JUNCTION	0.00	0.00	319.63	0	00:00	0.00
PWOPRMHS0005908	JUNCTION	0.01	0.17	319.09	0	05:15	0.17
PWOPRMHS0005909	JUNCTION	0.01	0.32	318.76	0	05:15	0.32
PWOPRMHS0005910	JUNCTION	0.00	0.00	318.95	0	00:00	0.00
PWOPRMHS0005911	JUNCTION	0.00	0.00	319.29	0	00:00	0.00
PWOPRMHS0005924	JUNCTION	0.01	0.25	318.85	0	05:15	0.25
PWOPRMHS0005926	JUNCTION	0.02	0.39	318.44	0	05:15	0.39
PWOPRMHS0005927	JUNCTION	0.02	0.53	318.29	0	05:15	0.53
PWOPRMHS0005930	JUNCTION	0.02	0.55	317.80	0	05:15	0.55
PWOPRMHS0005931	JUNCTION	0.01	0.30	318.00	0	05:15	0.30
PWOPRMHS0005932	JUNCTION	0.01	0.18	318.06	0	05:15	0.18
PWOPRMHS0005944	JUNCTION	0.01	0.20	318.52	0	05:15	0.20
PWOPRMHS0005945	JUNCTION	0.01	0.28	318.50	0	05:15	0.28
PWOPRMHS0005946	JUNCTION	0.01	0.25	318.75	0	05:15	0.25
SWMPOND	JUNCTION	0.04	1.18	323.18	0	05:16	1.17
A1_OVERFLOW	OUTFALL	0.00	0.07	317.07	0	05:15	0.06
A2_OVERFLOW	OUTFALL	0.00	0.00	329.00	0	00:00	0.00
A3_OVERFLOW	OUTFALL	0.06	0.61	326.61	0	05:15	0.60
A4_OVERFLOW	OUTFALL	0.23	1.35	318.35	0	07:16	1.35
B1_OVERFLOW	OUTFALL	0.00	0.22	324.22	0	05:16	0.22
B2_OVERFLOW	OUTFALL	0.03	0.55	322.55	0	05:53	0.55
C1_OVERFLOW	OUTFALL	0.04	0.84	319.84	0	05:15	0.83
D1_OVERFLOW	OUTFALL	0.03	0.75	325.25	0	05:15	0.74
D2_OVERFLOW	OUTFALL	0.06	0.39	321.39	0	05:15	0.38
D3_OVERFLOW	OUTFALL	0.17	1.06	322.56	0	09:00	1.06
D4_OVERFLOW	OUTFALL	0.06	0.43	318.43	0	06:15	0.43
E1_OVERFLOW	OUTFALL	0.39	1.72	315.72	0	10:38	1.72
E2_OVERFLOW	OUTFALL	0.30	1.25	315.15	0	13:26	1.24
HanlonCreek	OUTFALL	0.00	0.00	300.00	0	00:00	0.00
S_A1	STORAGE	0.04	0.63	331.63	0	05:16	0.63
S_A2	STORAGE	0.07	0.70	330.70	0	07:19	0.70
S_A3	STORAGE	0.12	0.75	326.75	0	07:24	0.75
S_A4	STORAGE	0.41	1.64	319.64	0	08:15	1.64
S_B1	STORAGE	0.04	0.77	324.77	0	05:20	0.77
S_B2	STORAGE	0.11	1.24	323.24	0	06:02	1.24
S_C1	STORAGE	0.17	1.35	320.35	0	05:28	1.35
S_D1	STORAGE	0.09	0.94	325.44	0	06:17	0.94
S_D2	STORAGE	0.16	0.66	321.66	0	07:17	0.66
S_D3	STORAGE	0.34	1.66	323.16	0	09:04	1.66
S_D4	STORAGE	0.25	1.07	319.07	0	05:21	1.07
S_E1	STORAGE	0.70	2.44	316.44	0	10:46	2.44

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S_E2                 STORAGE      0.34     1.16   315.06     0  13:26        1.16
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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
1	JUNCTION	9.041	9.041	0 05:15	59.3	59.3	-0.019
11	JUNCTION	0.000	27.275	0 08:03	0	1.18e+03	-0.001
12	JUNCTION	0.000	27.239	0 08:08	0	1.18e+03	0.001
13	JUNCTION	0.000	35.940	0 08:56	0	1.59e+03	0.000
14	JUNCTION	16.702	23.110	0 05:15	125	184	0.005
15	JUNCTION	0.000	39.617	0 11:21	0	1.64e+03	-0.037
17	JUNCTION	0.000	29.447	0 13:26	0	1.65e+03	0.001
18	JUNCTION	1.356	18.948	0 05:09	8.38	113	-0.150
19	JUNCTION	0.000	6.600	0 05:20	0	57.4	0.004
2	JUNCTION	53.303	53.303	0 05:15	343	343	-0.056
20	JUNCTION	10.387	17.474	0 05:16	113	210	0.010
21	JUNCTION	13.937	28.231	0 05:15	94.8	920	0.001
22	JUNCTION	0.000	10.760	0 05:24	0	167	-0.040
24	JUNCTION	0.571	16.631	0 05:24	2.5	208	0.037
25	JUNCTION	0.000	11.289	0 05:25	0	162	-0.004
26	JUNCTION	0.000	0.000	0 00:00	0	0	0.000 ltr
27	JUNCTION	24.373	24.373	0 05:15	159	159	-0.028
28	JUNCTION	45.903	54.422	0 05:15	1.01e+03	1.17e+03	0.011
29	JUNCTION	0.000	10.613	0 06:17	0	189	-0.011
3	JUNCTION	4.359	8.913	0 05:15	26.2	96.5	-0.027
30	JUNCTION	0.000	6.828	0 07:18	0	329	-0.000
31	JUNCTION	0.000	6.827	0 07:19	0	329	-0.000
32	JUNCTION	0.000	6.828	0 07:19	0	329	-0.001
34	JUNCTION	0.000	9.123	0 05:20	0	388	0.003
35	JUNCTION	0.000	9.263	0 05:20	0	388	-0.000
36	JUNCTION	0.087	12.241	0 05:15	0.394	406	-0.008
37	JUNCTION	16.733	23.401	0 05:16	72.8	121	0.002
39	JUNCTION	0.000	17.897	0 09:08	0	636	0.007
4	JUNCTION	0.210	0.210	0 05:15	1.34	1.34	-0.093
40	JUNCTION	118.992	118.992	0 05:15	1.02e+03	1.02e+03	0.001
42	JUNCTION	68.624	76.605	0 05:49	717	826	0.006
48	JUNCTION	56.190	72.495	0 05:15	548	707	0.010
49	JUNCTION	151.866	151.866	0 08:50	4.67e+03	4.67e+03	0.000
5	JUNCTION	0.000	5.809	0 07:19	0	110	0.010
50	JUNCTION	52.377	59.005	0 06:15	1.35e+03	1.68e+03	0.000
53	JUNCTION	544.774	579.015	0 10:44	2.39e+04	2.55e+04	-0.018
54	JUNCTION	294.618	330.793	0 13:22	1.39e+04	1.55e+04	0.010
56	JUNCTION	8.457	29.399	0 13:27	46.7	1.7e+03	0.000
6	JUNCTION	8.096	12.247	0 05:15	51.8	162	-0.047
7	JUNCTION	296.545	327.932	0 07:16	9.39e+03	1.05e+04	0.003
8	JUNCTION	12.094	72.140	0 05:14	83.2	705	0.002
9	JUNCTION	0.217	92.608	0 05:15	1.38	914	-0.023
MHEasement1	JUNCTION	0.108	0.802	0 05:15	0.521	3.88	-0.035
MHEasement2	JUNCTION	0.253	1.054	0 05:15	1.18	5.06	0.022

MHSchool	JUNCTION	0.000	2.118	0	05:15	0	11.9	-0.016	
MHSWM4	JUNCTION	0.080	5.000	0	05:15	0.353	28	0.001	
PWOPRMHS0001369	JUNCTION	0.000	2.085	0	05:15	0	10.4	-0.003	
PWOPRMHS0001370	JUNCTION	0.000	0.694	0	05:15	0	3.36	-0.003	
PWOPRMHS0001371	JUNCTION	0.220	0.220	0	05:15	1.06	1.06	-0.000	
PWOPRMHS0001372	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001373	JUNCTION	0.000	0.441	0	05:15	0	2.14	-0.001	
PWOPRMHS0001374	JUNCTION	0.085	0.475	0	05:15	0.412	2.31	0.001	
PWOPRMHS0001375	JUNCTION	0.000	0.475	0	05:15	0	2.31	0.002	
PWOPRMHS0001386	JUNCTION	0.000	3.811	0	05:15	0	18.6	-0.018	
PWOPRMHS0001387	JUNCTION	0.000	2.757	0	05:15	0	13.6	-0.017	
PWOPRMHS0001388	JUNCTION	0.241	2.758	0	05:15	1.13	13.6	0.013	
PWOPRMHS0001389	JUNCTION	0.432	2.517	0	05:15	2.06	12.4	0.007	
PWOPRMHS0001390	JUNCTION	0.172	0.172	0	05:15	0.86	0.86	-0.001	
PWOPRMHS0001391	JUNCTION	0.000	0.360	0	05:15	0	1.74	-0.003	
PWOPRMHS0001392	JUNCTION	0.188	0.188	0	05:15	0.884	0.884	-0.001	
PWOPRMHS0001393	JUNCTION	0.348	1.644	0	05:15	1.85	8.23	0.001	
PWOPRMHS0001394	JUNCTION	0.000	0.359	0	05:15	0	1.74	-0.011	
PWOPRMHS0001395	JUNCTION	0.462	0.462	0	05:15	2.13	2.13	-0.002	
PWOPRMHS0001398	JUNCTION	0.475	0.475	0	05:15	2.22	2.22	-0.000	
PWOPRMHS0001399	JUNCTION	0.000	0.475	0	05:15	0	2.22	-0.001	
PWOPRMHS0001400	JUNCTION	0.000	0.475	0	05:15	0	2.22	0.001	
PWOPRMHS0001401	JUNCTION	0.225	0.699	0	05:15	1.05	3.28	-0.202	
PWOPRMHS0001402	JUNCTION	0.177	0.998	0	05:15	0.85	4.73	-0.175	
PWOPRMHS0001403	JUNCTION	0.569	4.920	0	05:15	3.14	27.7	-0.000	
PWOPRMHS0001404	JUNCTION	0.000	1.296	0	05:15	0	6.38	-0.027	
PWOPRMHS0001408	JUNCTION	0.814	0.814	0	05:15	3.78	3.78	-0.001	
PWOPRMHS0001409	JUNCTION	0.249	0.249	0	05:15	1.35	1.35	0.015	
PWOPRMHS0001410	JUNCTION	0.172	2.789	0	05:15	0.943	16	-0.005	
PWOPRMHS0001411	JUNCTION	0.083	0.653	0	05:15	0.5	4.21	0.015	
PWOPRMHS0001412	JUNCTION	0.039	0.569	0	05:15	0.251	3.71	0.000	
PWOPRMHS0001413	JUNCTION	0.454	0.454	0	05:15	2.99	2.99	-0.000	
PWOPRMHS0001415	JUNCTION	0.000	2.085	0	05:15	0	10.4	-0.010	
PWOPRMHS0001416	JUNCTION	0.000	5.011	0	05:14	0	28	-0.003	
PWOPRMHS0001418	JUNCTION	0.262	6.809	0	05:15	1.3	32.7	-0.035	
PWOPRMHS0001419	JUNCTION	0.000	0.390	0	05:15	0	1.89	0.001	
PWOPRMHS0001420	JUNCTION	0.074	0.390	0	05:15	0.361	1.89	-0.000	
PWOPRMHS0001421	JUNCTION	0.000	0.316	0	05:15	0	1.53	-0.000	
PWOPRMHS0001422	JUNCTION	0.051	0.442	0	05:15	0.254	2.14	-0.009	
PWOPRMHS0001423	JUNCTION	0.052	0.391	0	05:15	0.247	1.88	0.037	
PWOPRMHS0001424	JUNCTION	0.340	0.340	0	05:15	1.64	1.64	-0.001	
PWOPRMHS0001428	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001429	JUNCTION	0.316	0.316	0	05:15	1.53	1.53	-0.000	
PWOPRMHS0001430	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001431	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001433	JUNCTION	0.708	0.900	0	05:15	3.4	3.43	0.266	
PWOPRMHS0001435	JUNCTION	0.104	0.104	0	05:15	0.607	0.607	0.042	
PWOPRMHS0001436	JUNCTION	0.106	8.223	0	05:14	0.53	45.2	-0.001	
PWOPRMHS0001437	JUNCTION	0.000	2.085	0	05:15	0	11.9	0.010	
PWOPRMHS0001438	JUNCTION	0.000	8.262	0	05:14	0	45.8	-0.005	
PWOPRMHS0001467	JUNCTION	0.482	0.482	0	05:15	2.6	2.6	0.055	
PWOPRMHS0001597	JUNCTION	0.000	0.013	0	04:31	0	0.00961	2.191	
PWOPRMHS0001598	JUNCTION	0.266	0.623	0	05:15	1.83	4.34	0.014	
PWOPRMHS0001600	JUNCTION	0.680	0.680	0	05:15	3.96	3.96	-0.034	
PWOPRMHS0001601	JUNCTION	0.317	0.317	0	05:15	2.22	2.22	-0.000	
PWOPRMHS0001602	JUNCTION	0.026	0.356	0	05:15	0.192	2.51	-0.009	
PWOPRMHS0001603	JUNCTION	0.034	0.714	0	05:13	0.247	4.21	0.062	

PWOPRMHS0001604	JUNCTION	0.043	1.255	0	05:14	0.319	7.14	-0.026
PWOPRMHS0001605	JUNCTION	0.498	0.500	0	05:14	2.61	2.62	0.003
PWOPRMHS0001606	JUNCTION	0.246	6.769	0	05:15	1.35	38.8	0.013
PWOPRMHS0001608	JUNCTION	0.000	4.656	0	05:15	0	25.9	-0.020
PWOPRMHS0001610	JUNCTION	0.000	5.273	0	05:15	0	30.3	-0.003
PWOPRMHS0001611	JUNCTION	0.049	4.648	0	04:30	0.273	12.5	1.526
PWOPRMHS0001614	JUNCTION	0.050	4.937	0	05:02	0.247	11.9	-1.221
PWOPRMHS0001622	JUNCTION	0.076	0.076	0	05:15	0.469	0.469	-0.001
PWOPRMHS0001624	JUNCTION	0.000	0.461	0	05:15	0	2.85	0.000
PWOPRMHS0001625	JUNCTION	0.160	0.621	0	05:15	0.891	3.74	-0.000
PWOPRMHS0001626	JUNCTION	0.461	0.461	0	05:15	2.85	2.85	0.010
PWOPRMHS0001634	JUNCTION	0.186	2.974	0	05:15	1.01	17	0.017
PWOPRMHS0001642	JUNCTION	0.038	3.696	0	05:11	0.246	4.94	2.133
PWOPRMHS0001643	JUNCTION	0.070	1.119	0	04:57	0.331	2.43	-1.248
PWOPRMHS0001649	JUNCTION	0.068	0.922	0	05:15	0.422	5.48	-0.000
PWOPRMHS0001650	JUNCTION	0.000	0.647	0	05:15	0	3.89	-0.000
PWOPRMHS0001651	JUNCTION	0.026	0.647	0	05:15	0.149	3.89	-0.000
PWOPRMHS0001652	JUNCTION	0.000	0.922	0	05:15	0	5.48	-0.000
PWOPRMHS0001653	JUNCTION	0.000	0.922	0	05:15	0	5.48	0.002
PWOPRMHS0001654	JUNCTION	0.000	0.922	0	05:15	0	5.48	0.004
PWOPRMHS0001655	JUNCTION	0.207	0.207	0	05:15	1.17	1.17	0.003
PWOPRMHS0001657	JUNCTION	0.025	1.413	0	05:15	0.154	7.82	-0.017
PWOPRMHS0001658	JUNCTION	0.361	0.361	0	05:15	2.01	2.01	0.004
PWOPRMHS0001659	JUNCTION	1.027	1.027	0	05:15	5.66	5.66	0.024
PWOPRMHS0001660	JUNCTION	0.058	2.426	0	05:15	0.297	11.9	0.000
PWOPRMHS0001661B	JUNCTION	1.553	2.474	0	05:15	8.25	13.7	0.003
PWOPRMHS0001662	JUNCTION	0.291	6.624	0	05:15	1.48	35	-0.026
PWOPRMHS0001663	JUNCTION	0.021	3.908	0	05:15	0.148	21.7	-0.001
PWOPRMHS0001664	JUNCTION	0.000	0.922	0	05:15	0	5.48	0.005
PWOPRMHS0001667	JUNCTION	0.000	6.767	0	05:15	0	38.8	-0.011
PWOPRMHS0001670	JUNCTION	0.069	6.826	0	05:15	0.457	39.2	0.095
PWOPRMHS0001674	JUNCTION	0.000	8.290	0	05:15	0	45.6	0.001
PWOPRMHS0001676	JUNCTION	0.063	1.274	0	05:15	0.305	7.16	-0.003
PWOPRMHS0001677	JUNCTION	0.092	1.211	0	05:15	0.493	6.86	-0.012
PWOPRMHS0001678	JUNCTION	0.391	0.391	0	05:15	2.22	2.22	0.002
PWOPRMHS0001679	JUNCTION	0.000	0.776	0	05:15	0	4.27	0.001
PWOPRMHS0001680	JUNCTION	0.092	1.413	0	05:15	0.51	7.79	-0.009
PWOPRMHS0001682	JUNCTION	0.157	2.653	0	05:15	0.893	14.7	-0.006
PWOPRMHS0001686	JUNCTION	0.072	2.384	0	05:15	0.404	13.2	-0.000
PWOPRMHS0001687	JUNCTION	0.000	6.722	0	05:15	0	36.9	0.001
PWOPRMHS0001688	JUNCTION	0.090	7.017	0	05:15	0.428	38.4	-0.000
PWOPRMHS0001689	JUNCTION	0.123	6.723	0	05:15	0.608	36.9	0.008
PWOPRMHS0001690	JUNCTION	0.056	3.948	0	05:15	0.27	21.6	0.000
PWOPRMHS0001691	JUNCTION	0.168	3.894	0	05:15	0.811	21.3	-0.002
PWOPRMHS0001692	JUNCTION	0.098	3.211	0	05:15	0.482	18.1	0.001
PWOPRMHS0001695	JUNCTION	0.458	0.458	0	05:15	2.67	2.67	-0.005
PWOPRMHS0001697	JUNCTION	0.545	0.545	0	05:15	2.7	2.7	0.006
PWOPRMHS0001705	JUNCTION	0.206	0.206	0	05:15	1.04	1.04	-0.001
PWOPRMHS0001706	JUNCTION	0.729	0.729	0	05:15	4.14	4.14	0.016
PWOPRMHS0001713	JUNCTION	0.208	8.497	0	05:15	0.991	46.5	-0.006
PWOPRMHS0001729	JUNCTION	0.000	0.721	0	05:15	0	4.16	-0.011
PWOPRMHS0001732	JUNCTION	0.000	0.842	0	05:15	0	4.73	-0.010
PWOPRMHS0001733	JUNCTION	0.213	0.213	0	05:15	1.06	1.06	-0.001
PWOPRMHS0001736	JUNCTION	0.069	0.826	0	05:15	0.334	4.09	-0.015
PWOPRMHS0001739	JUNCTION	0.220	1.062	0	05:15	1.05	5.78	0.001
PWOPRMHS0001740	JUNCTION	0.000	1.062	0	05:15	0	5.78	-0.001
PWOPRMHS0001741	JUNCTION	0.115	0.115	0	05:15	0.568	0.568	0.110

PWOPRMHS0001743	JUNCTION	0.114	3.324	0	05:15	0.561	18.6	-0.021	
PWOPRMHS0001744	JUNCTION	0.000	3.113	0	05:15	0	17.6	0.001	
PWOPRMHS0001745	JUNCTION	0.018	3.052	0	05:15	0.102	17.3	-0.002	
PWOPRMHS0001746	JUNCTION	0.063	3.114	0	05:15	0.301	17.6	0.001	
PWOPRMHS0001761	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001764	JUNCTION	0.591	1.205	0	05:15	3.29	6.66	0.042	
PWOPRMHS0001765	JUNCTION	0.614	0.614	0	05:15	3.37	3.37	-0.001	
PWOPRMHS0001766	JUNCTION	0.000	0.002	0	04:24	0	0.00103	0.217	
PWOPRMHS0001767	JUNCTION	0.154	1.716	0	05:15	0.843	9.48	-0.024	
PWOPRMHS0001768	JUNCTION	0.357	0.357	0	05:15	1.99	1.99	0.046	
PWOPRMHS0001788	JUNCTION	0.318	4.351	0	05:15	1.75	24.5	0.000	
PWOPRMHS0001791	JUNCTION	0.296	3.269	0	05:15	1.62	18.6	-0.030	
PWOPRMHS0001792	JUNCTION	0.165	3.853	0	05:15	0.894	21.8	0.031	
PWOPRMHS0001796	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001797	JUNCTION	0.420	0.420	0	05:15	2.29	2.29	-0.000	
PWOPRMHS0001798	JUNCTION	0.000	0.420	0	05:15	0	2.29	-0.001	
PWOPRMHS0001804	JUNCTION	0.090	0.090	0	05:15	0.555	0.555	-0.000	
PWOPRMHS0001836	JUNCTION	0.182	4.035	0	05:15	0.985	22.8	-0.019	
PWOPRMHS0001855	JUNCTION	0.072	1.945	0	05:15	0.482	11.2	-0.000	
PWOPRMHS0001856	JUNCTION	0.000	1.548	0	05:15	0	8.63	-0.002	
PWOPRMHS0001857	JUNCTION	0.140	2.085	0	05:15	0.699	11.9	-0.000	
PWOPRMHS0001858	JUNCTION	0.083	1.534	0	05:15	0.529	8.53	-0.000	
PWOPRMHS0001867	JUNCTION	0.165	0.165	0	05:15	0.916	0.916	-0.001	
PWOPRMHS0001874	JUNCTION	0.121	0.121	0	05:15	0.573	0.573	0.052	
PWOPRMHS0001878	JUNCTION	0.062	1.120	0	05:01	0.29	4.38	-0.374	
PWOPRMHS0001879	JUNCTION	0.000	4.921	0	05:15	0	6.71	-0.442	
PWOPRMHS0001881	JUNCTION	0.368	0.368	0	05:15	1.77	1.77	0.092	
PWOPRMHS0001889	JUNCTION	0.071	1.550	0	05:15	0.357	7.56	-0.018	
PWOPRMHS0001890	JUNCTION	0.027	2.254	0	05:15	0.177	11	0.005	
PWOPRMHS0001891	JUNCTION	0.213	0.213	0	05:15	1.02	1.02	-0.015	
PWOPRMHS0001894	JUNCTION	0.114	2.368	0	05:15	0.545	11.6	-0.005	
PWOPRMHS0001903	JUNCTION	0.697	0.697	0	05:15	3.84	3.84	-0.000	
PWOPRMHS0001904	JUNCTION	0.000	0.862	0	05:15	0	4.76	-0.001	
PWOPRMHS0001906	JUNCTION	0.057	1.057	0	05:15	0.306	5.16	0.007	
PWOPRMHS0001907	JUNCTION	0.000	0.551	0	05:15	0	2.66	-0.042	
PWOPRMHS0001908	JUNCTION	0.449	0.449	0	05:15	2.19	2.19	0.013	
PWOPRMHS0001911	JUNCTION	0.000	1.057	0	05:15	0	5.15	-0.004	
PWOPRMHS0001912	JUNCTION	0.374	9.956	0	05:15	1.76	54	-0.105	
PWOPRMHS0001914	JUNCTION	0.590	0.590	0	05:15	3.25	3.25	-0.000	
PWOPRMHS0001915	JUNCTION	0.015	1.548	0	05:15	0.101	8.63	0.002	
PWOPRMHS0001916	JUNCTION	0.235	1.783	0	05:15	1.53	10.2	0.003	
PWOPRMHS0001917	JUNCTION	0.551	0.551	0	05:15	2.66	2.66	0.057	
PWOPRMHS0001918	JUNCTION	0.279	8.532	0	05:15	1.39	47.2	0.092	
PWOPRMHS0001919	JUNCTION	0.402	0.402	0	05:15	1.9	1.9	0.013	
PWOPRMHS0001925	JUNCTION	0.242	1.500	0	05:15	1.41	8.84	0.000	
PWOPRMHS0001926	JUNCTION	0.000	1.500	0	05:15	0	8.84	0.032	
PWOPRMHS0001927	JUNCTION	0.000	0.504	0	05:15	0	2.94	-0.009	
PWOPRMHS0001928	JUNCTION	0.266	3.788	0	05:09	1.55	22.3	-0.006	
PWOPRMHS0001929	JUNCTION	0.230	1.142	0	05:15	1.34	6.75	0.003	
PWOPRMHS0001930	JUNCTION	0.105	1.380	0	05:15	0.611	8.13	0.044	
PWOPRMHS0001931	JUNCTION	0.000	0.912	0	05:15	0	5.41	-0.000	
PWOPRMHS0001932	JUNCTION	0.000	0.912	0	05:15	0	5.41	-0.001	
PWOPRMHS0001933	JUNCTION	0.280	0.912	0	05:15	1.63	5.41	-0.001	
PWOPRMHS0001935	JUNCTION	0.000	0.633	0	05:15	0	3.79	-0.001	
PWOPRMHS0001937	JUNCTION	1.258	1.258	0	05:15	7.44	7.44	0.005	
PWOPRMHS0001939	JUNCTION	0.504	0.504	0	05:15	2.94	2.94	-0.000	
PWOPRMHS0001941	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr

PWOPRMHS0001943	JUNCTION	0.633	0.633	0	05:15	3.79	3.79	-0.001	
PWOPRMHS0001944	JUNCTION	0.141	1.520	0	05:15	0.817	8.95	-0.081	
PWOPRMHS0001945	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001947	JUNCTION	0.133	0.133	0	05:15	0.772	0.772	-0.001	
PWOPRMHS0002041	JUNCTION	1.057	1.057	0	05:15	6.1	6.1	0.001	
PWOPRMHS0002042	JUNCTION	0.722	0.722	0	05:15	4.16	4.16	0.037	
PWOPRMHS0002046	JUNCTION	0.112	0.112	0	05:15	0.628	0.628	-0.000	
PWOPRMHS0002050	JUNCTION	0.605	0.605	0	05:15	3.76	3.76	0.031	
PWOPRMHS0002051	JUNCTION	0.198	3.035	0	05:15	0.97	17.2	0.005	
PWOPRMHS0002080	JUNCTION	0.465	0.465	0	05:15	2.26	2.26	0.018	
PWOPRMHS0002082	JUNCTION	0.806	0.806	0	05:15	3.9	3.9	0.031	
PWOPRMHS0002083	JUNCTION	0.000	1.169	0	05:15	0	5.75	0.001	
PWOPRMHS0002084	JUNCTION	0.310	1.479	0	05:15	1.45	7.2	0.020	
PWOPRMHS0002085	JUNCTION	0.363	0.363	0	05:15	1.86	1.86	-0.000	
PWOPRMHS0002095	JUNCTION	0.545	0.545	0	05:15	3.01	3.01	-0.004	
PWOPRMHS0003136	JUNCTION	0.030	2.312	0	05:15	0.168	12.8	0.000	
PWOPRMHS0003137	JUNCTION	0.111	2.282	0	05:15	0.602	12.6	0.002	
PWOPRMHS0003140	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0003146	JUNCTION	0.052	1.916	0	05:15	0.296	10.6	0.007	
PWOPRMHS0003147	JUNCTION	0.000	1.915	0	05:15	0	10.6	0.000	
PWOPRMHS0003148	JUNCTION	0.000	1.915	0	05:15	0	10.6	-0.000	
PWOPRMHS0003149	JUNCTION	0.257	2.172	0	05:15	1.39	12	-0.002	
PWOPRMHS0003153	JUNCTION	0.776	0.776	0	05:15	4.27	4.27	-0.001	
PWOPRMHS0003160	JUNCTION	0.451	0.451	0	05:15	2.53	2.53	0.016	
PWOPRMHS0004129	JUNCTION	0.477	0.477	0	05:15	2.61	2.61	-0.001	
PWOPRMHS0004130	JUNCTION	0.045	1.041	0	05:15	0.26	5.73	-0.006	
PWOPRMHS0004131	JUNCTION	0.041	1.082	0	05:15	0.246	5.97	0.008	
PWOPRMHS0004132	JUNCTION	0.057	3.091	0	05:15	0.359	17	-0.020	
PWOPRMHS0004133	JUNCTION	0.081	1.127	0	05:15	0.454	6.05	-0.000	
PWOPRMHS0004134	JUNCTION	0.000	1.046	0	05:15	0	5.6	0.000	
PWOPRMHS0004135	JUNCTION	0.312	1.047	0	05:15	1.71	5.6	-0.004	
PWOPRMHS0004137	JUNCTION	0.069	0.735	0	05:15	0.375	3.89	0.005	
PWOPRMHS0004141	JUNCTION	0.000	3.440	0	05:15	0	18.8	0.021	
PWOPRMHS0004142	JUNCTION	0.355	3.820	0	05:15	1.98	21	-0.024	
PWOPRMHS0004143	JUNCTION	0.350	0.350	0	05:15	1.89	1.89	-0.001	
PWOPRMHS0004146	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0004159	JUNCTION	0.519	0.519	0	05:15	2.85	2.85	0.051	
PWOPRMHS0004201	JUNCTION	0.827	0.827	0	05:15	4.57	4.57	-0.000	
PWOPRMHS0004998	JUNCTION	0.013	0.013	0	05:15	0.0958	0.0958	-0.032	
PWOPRMHS0004999	JUNCTION	0.007	0.007	0	05:10	0.0479	0.0479	0.055	
PWOPRMHS0005000	JUNCTION	0.046	0.596	0	05:15	0.335	3.9	-0.035	
PWOPRMHS0005001	JUNCTION	0.544	0.544	0	05:15	3.52	3.52	-0.001	
PWOPRMHS0005003	JUNCTION	0.238	4.665	0	05:14	1.04	26	0.037	
PWOPRMHS0005008	JUNCTION	0.129	0.192	0	05:15	0.713	1.07	-0.000	
PWOPRMHS0005009	JUNCTION	0.064	0.064	0	05:15	0.355	0.355	-0.002	
PWOPRMHS0005010	JUNCTION	0.000	0.192	0	05:15	0	1.07	0.064	
PWOPRMHS0005011	JUNCTION	0.211	0.668	0	05:15	1.06	3.51	-0.008	
PWOPRMHS0005012	JUNCTION	0.265	0.265	0	05:15	1.39	1.39	-0.112	
PWOPRMHS0005013	JUNCTION	0.000	0.667	0	05:15	0	3.52	0.000	
PWOPRMHS0005178	JUNCTION	0.026	0.026	0	05:10	0.192	0.192	-0.155	
PWOPRMHS0005179	JUNCTION	0.168	2.134	0	05:15	0.823	11.8	-0.017	
PWOPRMHS0005181	JUNCTION	0.089	1.966	0	05:15	0.413	11	0.056	
PWOPRMHS0005183	JUNCTION	0.024	1.877	0	05:15	0.17	10.6	0.040	
PWOPRMHS0005188	JUNCTION	1.204	1.204	0	05:15	6.78	6.78	-0.002	
PWOPRMHS0005196	JUNCTION	0.649	0.649	0	05:15	3.66	3.66	-0.000	
PWOPRMHS0005223	JUNCTION	0.078	2.212	0	05:15	0.383	12.2	-0.014	
PWOPRMHS0005226	JUNCTION	0.134	2.346	0	05:15	0.634	12.9	-0.002	

PWOPRMHS0005229	JUNCTION	0.048	0.451	0	05:15	0.228	2.15	0.008	
PWOPRMHS0005230	JUNCTION	0.065	2.862	0	05:15	0.325	15.3	-0.093	
PWOPRMHS0005231	JUNCTION	0.404	0.404	0	05:15	1.92	1.92	-0.004	
PWOPRMHS0005906	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0005908	JUNCTION	0.139	0.139	0	05:15	0.804	0.804	-0.001	
PWOPRMHS0005909	JUNCTION	0.469	0.608	0	05:15	2.73	3.53	0.036	
PWOPRMHS0005910	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0005911	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0005924	JUNCTION	0.366	0.366	0	05:15	1.78	1.78	-0.066	
PWOPRMHS0005926	JUNCTION	0.137	0.745	0	05:15	0.767	4.3	-0.013	
PWOPRMHS0005927	JUNCTION	0.132	1.242	0	05:15	0.758	6.84	0.059	
PWOPRMHS0005930	JUNCTION	0.262	2.298	0	05:15	1.39	12.9	-0.221	
PWOPRMHS0005931	JUNCTION	0.087	0.558	0	05:15	0.599	3.33	0.011	
PWOPRMHS0005932	JUNCTION	0.237	0.237	0	05:15	1.35	1.35	-0.003	
PWOPRMHS0005944	JUNCTION	0.111	0.111	0	05:15	0.629	0.629	-0.006	
PWOPRMHS0005945	JUNCTION	0.000	0.471	0	05:15	0	2.73	0.000	
PWOPRMHS0005946	JUNCTION	0.360	0.360	0	05:15	2.1	2.1	-0.000	
SWMPOND	JUNCTION	0.496	4.905	0	04:48	2.79	27.7	-0.055	
A1_OVERFLOW	OUTFALL	0.000	18.487	0	05:15	0	114	0.000	
A2_OVERFLOW	OUTFALL	0.000	10.861	0	05:16	0	99.5	0.000	
A3_OVERFLOW	OUTFALL	0.000	44.919	0	05:15	0	888	0.000	
A4_OVERFLOW	OUTFALL	0.000	299.611	0	07:16	0	9.37e+03	0.000	
B1_OVERFLOW	OUTFALL	0.000	16.735	0	05:16	0	63.3	0.000	
B2_OVERFLOW	OUTFALL	0.000	68.046	0	05:53	0	703	0.000	
C1_OVERFLOW	OUTFALL	0.000	102.558	0	05:15	0	837	0.000	
D1_OVERFLOW	OUTFALL	0.000	59.960	0	05:15	0	518	0.000	
D2_OVERFLOW	OUTFALL	0.000	21.230	0	05:15	0	591	0.000	
D3_OVERFLOW	OUTFALL	0.000	133.889	0	09:00	0	4.03e+03	0.000	
D4_OVERFLOW	OUTFALL	0.000	51.024	0	06:15	0	1.31e+03	0.000	
E1_OVERFLOW	OUTFALL	0.000	547.232	0	10:38	0	2.39e+04	0.000	
E2_OVERFLOW	OUTFALL	0.000	300.631	0	13:26	0	1.39e+04	0.000	
HanlonCreek	OUTFALL	0.000	29.373	0	13:29	0	1.7e+03	0.000	
S_A1	STORAGE	0.000	4.632	0	05:15	0	70.3	0.001	
S_A2	STORAGE	0.000	6.614	0	05:16	0	110	0.002	
S_A3	STORAGE	0.000	11.321	0	05:15	0	279	0.038	
S_A4	STORAGE	0.000	28.326	0	07:15	0	1.12e+03	0.003	
S_B1	STORAGE	0.000	6.668	0	05:16	0	57.4	0.001	
S_B2	STORAGE	0.000	10.384	0	04:39	0	128	0.002	
S_C1	STORAGE	0.000	16.487	0	05:15	0	188	-0.033	
S_D1	STORAGE	0.000	13.729	0	05:15	0	189	-0.008	
S_D2	STORAGE	0.000	7.919	0	05:14	0	329	-0.004	
S_D3	STORAGE	0.000	18.149	0	08:25	0	636	0.001	
S_D4	STORAGE	0.000	9.974	0	05:15	0	388	-0.001	
S_E1	STORAGE	0.000	33.202	0	11:35	0	1.64e+03	0.011	
S_E2	STORAGE	0.000	30.393	0	13:18	0	1.65e+03	0.001	

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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
S_A1	0.037	0	0	0	0.899	1	0	05:16	5.011
S_A2	1.579	1	0	0	21.587	8	0	07:19	5.809
S_A3	3.034	0	0	0	22.178	1	0	07:24	9.151
S_A4	17.435	1	0	0	87.688	5	0	08:15	26.932
S_B1	0.054	0	0	0	1.472	3	0	05:20	6.600
S_B2	1.866	2	0	0	26.446	34	0	06:02	8.659
S_C1	0.522	1	0	0	8.649	16	0	05:28	15.130
S_D1	1.070	0	0	0	18.209	7	0	06:17	10.613
S_D2	0.729	0	0	0	4.166	2	0	07:17	6.828
S_D3	6.867	6	0	0	46.373	38	0	09:04	17.897
S_D4	1.921	3	0	0	9.891	14	0	05:21	9.123
S_E1	10.264	17	0	0	45.412	74	0	10:46	39.617
S_E2	1.544	8	0	0	6.147	30	0	13:26	29.447

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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
A1_OVERFLOW	4.76	9.010	18.487	113.831
A2_OVERFLOW	6.38	6.050	10.861	99.519
A3_OVERFLOW	16.77	22.483	44.919	888.149
A4_OVERFLOW	33.55	121.748	299.611	9371.136
B1_OVERFLOW	2.97	7.925	16.735	63.263
B2_OVERFLOW	8.21	33.807	68.046	702.590
C1_OVERFLOW	13.00	25.232	102.558	837.113
D1_OVERFLOW	9.46	21.295	59.960	518.422
D2_OVERFLOW	26.51	9.617	21.230	590.744
D3_OVERFLOW	25.28	71.145	133.889	4034.842
D4_OVERFLOW	26.68	21.325	51.024	1314.835
E1_OVERFLOW	38.07	274.855	547.232	23870.337
E2_OVERFLOW	37.63	160.438	300.631	13887.567
HanlonCreek	99.39	7.273	29.373	1697.407
System	24.90	792.203	29.373	57989.757

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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
1	CONDUIT	9.039	0	05:15	4.08	0.09	0.27
10	CONDUIT	18.569	0	05:25	1.82	0.88	0.91
11	CONDUIT	16.375	0	05:10	4.29	0.31	0.44
12	CONDUIT	8.659	0	06:05	3.85	0.73	0.73
13	CONDUIT	6.600	0	05:20	3.40	0.07	0.24
14	CONDUIT	6.599	0	05:20	2.33	0.05	0.36
15	CONDUIT	11.289	0	05:25	2.90	0.12	0.64
16	CONDUIT	53.335	0	05:13	4.36	0.52	0.88
17	CONDUIT	12.160	0	05:24	1.86	0.14	0.81
18	CONDUIT	88.328	0	05:17	9.98	0.81	0.74
19	CONDUIT	27.239	0	08:08	4.80	0.25	0.53
2	CONDUIT	5.011	0	05:20	2.13	0.03	0.30
20	CONDUIT	27.264	0	08:05	3.92	0.25	0.64
21	CONDUIT	36.622	0	08:58	4.49	0.45	0.75
22	CONDUIT	39.617	0	11:21	3.84	1.01	0.82
23	CONDUIT	40.977	0	10:53	4.79	1.45	0.71
24	CONDUIT	29.447	0	13:26	7.32	0.15	0.41
25	CONDUIT	0.000	0	00:00	0.00	0.00	0.23
26	CONDUIT	17.898	0	09:10	4.04	0.60	0.45
27	CONDUIT	24.368	0	05:15	6.10	0.21	0.45
28	CONDUIT	10.613	0	06:17	4.06	0.10	0.30
29	CONDUIT	6.827	0	07:19	3.35	0.07	0.25
3	CONDUIT	8.899	0	05:15	3.05	0.18	0.33
30	CONDUIT	6.828	0	07:19	3.30	0.06	0.25
31	CONDUIT	6.827	0	07:21	2.63	0.07	0.30
32	CONDUIT	9.123	0	05:20	3.19	0.19	0.32
33	CONDUIT	9.263	0	05:20	3.68	0.09	0.29
34	CONDUIT	8.952	0	05:20	3.76	0.09	0.30
35	CONDUIT	12.179	0	05:16	2.51	0.10	0.51
36	CONDUIT	4.632	0	05:15	2.92	0.06	0.22
37	CONDUIT	17.897	0	09:08	2.85	0.26	0.57
38	CONDUIT	10.611	0	06:16	3.99	0.09	0.31
39	CONDUIT	7.919	0	05:14	3.48	0.15	0.27
4	CONDUIT	5.809	0	07:19	2.77	0.05	0.25
40	CONDUIT	6.828	0	07:18	3.48	0.05	0.24
41	CONDUIT	29.399	0	13:27	4.06	0.19	0.62
43	CONDUIT	0.210	0	05:15	0.21	0.00	0.15
44	CONDUIT	28.326	0	07:15	4.62	0.41	0.59
45	CONDUIT	299.611	0	07:16	14.82	0.53	0.67
46	CONDUIT	18.487	0	05:15	16.06	0.00	0.04
47	CONDUIT	26.932	0	08:15	4.74	0.29	0.53
48	CONDUIT	6.614	0	05:16	3.64	0.08	0.24
49	CONDUIT	10.861	0	05:16	3.73	0.02	0.10
5	CONDUIT	5.852	0	07:23	2.67	0.08	0.29
50	CONDUIT	11.321	0	05:15	4.21	0.25	0.32
51	CONDUIT	44.919	0	05:15	4.93	0.15	0.30
52	CONDUIT	6.668	0	05:16	3.02	0.08	0.26
53	CONDUIT	16.735	0	05:16	5.08	0.03	0.11
54	CONDUIT	16.487	0	05:15	3.55	0.23	0.46
55	CONDUIT	102.558	0	05:15	8.18	0.24	0.42

56	CONDUIT	68.046	0	05:53	8.29	0.12	0.27
57	CONDUIT	8.617	0	05:45	3.71	0.09	0.40
58	CONDUIT	18.149	0	08:25	3.37	0.30	0.55
59	CONDUIT	133.889	0	09:00	8.42	0.36	0.53
6	CONDUIT	12.195	0	05:15	3.52	0.13	0.38
60	CONDUIT	13.729	0	05:15	4.02	0.24	0.37
61	CONDUIT	59.960	0	05:15	5.34	0.20	0.37
62	CONDUIT	21.230	0	05:15	3.67	0.07	0.19
63	CONDUIT	8.184	0	07:16	2.68	0.11	0.35
64	CONDUIT	51.024	0	06:15	7.99	0.08	0.21
65	CONDUIT	30.393	0	13:18	5.73	0.38	0.50
66	CONDUIT	300.631	0	13:26	16.07	0.47	0.63
67	CONDUIT	547.232	0	10:38	21.23	0.79	0.86
68	CONDUIT	33.202	0	11:35	3.42	0.22	0.79
7	CONDUIT	9.151	0	07:24	2.92	0.07	0.61
70	CONDUIT	29.373	0	13:29	3.14	1.18	0.74
8	CONDUIT	76.581	0	05:12	5.15	0.75	0.75
9	CONDUIT	15.130	0	05:29	2.77	0.19	0.52
PWOPRSES0001498	CONDUIT	0.475	0	05:15	1.47	0.05	0.16
PWOPRSES0001507	CONDUIT	0.814	0	05:15	1.78	0.09	0.20
PWOPRSES0001510	CONDUIT	0.482	0	05:15	1.33	0.04	0.17
PWOPRSES0001511	CONDUIT	0.391	0	05:15	1.46	0.04	0.14
PWOPRSES0001512	CONDUIT	0.000	0	00:00	0.00	0.00	0.02
PWOPRSES0001515	CONDUIT	0.000	0	00:00	0.00	0.00	0.02
PWOPRSES0001516	CONDUIT	0.316	0	05:15	2.17	0.02	0.09
PWOPRSES0001518	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
PWOPRSES0001519	CONDUIT	1.644	0	05:15	1.94	0.11	0.24
PWOPRSES0001520	CONDUIT	0.359	0	05:15	1.31	0.04	0.14
PWOPRSES0001521	CONDUIT	0.359	0	05:15	1.41	0.04	0.14
PWOPRSES0001522	CONDUIT	0.172	0	05:15	1.05	0.02	0.10
PWOPRSES0001524	CONDUIT	0.188	0	05:15	1.78	0.01	0.07
PWOPRSES0001525	CONDUIT	0.441	0	05:15	1.46	0.05	0.15
PWOPRSES0001530	CONDUIT	1.296	0	05:15	1.67	0.08	0.23
PWOPRSES0001534	CONDUIT	2.757	0	05:15	1.76	0.19	0.37
PWOPRSES0001535	CONDUIT	2.517	0	05:15	2.07	0.15	0.31
PWOPRSES0001536	CONDUIT	2.085	0	05:15	2.14	0.13	0.27
PWOPRSES0001537	CONDUIT	2.085	0	05:15	2.14	0.13	0.27
PWOPRSES0001538	CONDUIT	0.441	0	05:15	1.09	0.02	0.19
PWOPRSES0001541	CONDUIT	0.475	0	05:15	1.52	0.05	0.16
PWOPRSES0001542	CONDUIT	0.475	0	05:15	1.60	0.04	0.15
PWOPRSES0001543	CONDUIT	0.699	0	05:15	0.55	0.01	0.37
PWOPRSES0001544	CONDUIT	0.997	0	05:15	0.93	0.03	0.22
PWOPRSES0001545	CONDUIT	0.462	0	05:15	1.48	0.05	0.16
PWOPRSES0001546	CONDUIT	1.783	0	05:15	3.94	0.06	0.20
PWOPRSES0001547	CONDUIT	1.549	0	05:15	2.34	0.11	0.26
PWOPRSES0001548	CONDUIT	0.090	0	05:15	2.32	0.00	0.04
PWOPRSES0001551	CONDUIT	1.548	0	05:15	2.95	0.07	0.22
PWOPRSES0001555	CONDUIT	1.945	0	05:15	5.69	0.06	0.17
PWOPRSES0001556	CONDUIT	2.085	0	05:15	3.45	0.06	0.26
PWOPRSES0001557	CONDUIT	1.510	0	05:13	2.78	0.02	0.33
PWOPRSES0001558	CONDUIT	5.058	0	05:15	1.74	0.26	0.58
PWOPRSES0001559	CONDUIT	4.920	0	05:15	4.15	0.14	0.41
PWOPRSES0001564	CONDUIT	2.092	0	05:15	2.89	0.07	0.44
PWOPRSES0001565	CONDUIT	8.159	0	05:15	2.46	0.60	0.64
PWOPRSES0001566	CONDUIT	6.027	0	05:15	1.81	0.39	0.64
PWOPRSES0001567	CONDUIT	0.104	0	05:15	1.34	0.00	0.07
PWOPRSES0001571	CONDUIT	0.000	0	00:00	0.00	0.00	0.06

PWOPRSES0001572	CONDUIT	4.351	0	05:15	4.85	0.20	0.33
PWOPRSES0001575	CONDUIT	3.810	0	05:15	1.97	0.23	0.44
PWOPRSES0001576	CONDUIT	1.054	0	05:15	1.18	0.12	0.33
PWOPRSES0001577	CONDUIT	2.757	0	05:15	1.65	0.15	0.38
PWOPRSES0001579	CONDUIT	0.316	0	05:15	2.08	0.02	0.09
PWOPRSES0001580	CONDUIT	0.390	0	05:15	2.35	0.02	0.10
PWOPRSES0001581	CONDUIT	0.390	0	05:15	1.83	0.03	0.12
PWOPRSES0001582	CONDUIT	0.475	0	05:15	1.77	0.04	0.14
PWOPRSES0001583	CONDUIT	0.000	0	00:00	0.00	0.00	0.03
PWOPRSES0001584	CONDUIT	0.220	0	05:15	2.08	0.01	0.07
PWOPRSES0001585	CONDUIT	0.475	0	05:15	1.49	0.04	0.16
PWOPRSES0001586	CONDUIT	0.339	0	05:15	1.77	0.02	0.11
PWOPRSES0001587	CONDUIT	0.694	0	05:15	1.92	0.05	0.17
PWOPRSES0001633	CONDUIT	0.454	0	05:15	1.78	0.05	0.14
PWOPRSES0001634	CONDUIT	0.076	0	05:15	1.23	0.00	0.05
PWOPRSES0001654	CONDUIT	2.974	0	05:15	2.05	0.32	0.47
PWOPRSES0001655	CONDUIT	3.853	0	05:15	3.14	0.28	0.41
PWOPRSES0001656	CONDUIT	4.034	0	05:15	3.62	0.31	0.39
PWOPRSES0001658	CONDUIT	2.789	0	05:15	1.99	0.32	0.46
PWOPRSES0001660	CONDUIT	3.268	0	05:15	2.15	0.40	0.49
PWOPRSES0001662	CONDUIT	0.420	0	05:15	1.86	0.02	0.14
PWOPRSES0001663	CONDUIT	0.420	0	05:15	1.86	0.03	0.12
PWOPRSES0001667	CONDUIT	5.011	0	05:14	2.54	0.35	0.62
PWOPRSES0001679	CONDUIT	0.249	0	05:15	1.67	0.01	0.13
PWOPRSES0001680	CONDUIT	0.653	0	05:15	2.65	0.02	0.17
PWOPRSES0001681	CONDUIT	0.569	0	05:15	4.10	0.02	0.09
PWOPRSES0001682	CONDUIT	1.716	0	05:15	2.34	0.17	0.29
PWOPRSES0001684	CONDUIT	0.357	0	05:15	1.56	0.03	0.14
PWOPRSES0001687	CONDUIT	0.207	0	05:15	2.07	0.01	0.07
PWOPRSES0001688	CONDUIT	0.922	0	05:15	3.37	0.04	0.14
PWOPRSES0001698	CONDUIT	0.922	0	05:15	2.88	0.04	0.16
PWOPRSES0001699	CONDUIT	0.922	0	05:15	2.69	0.04	0.17
PWOPRSES0001711	CONDUIT	0.729	0	05:15	1.73	0.07	0.19
PWOPRSES0001712	CONDUIT	0.391	0	05:15	1.83	0.02	0.15
PWOPRSES0001713	CONDUIT	1.211	0	05:15	1.54	0.12	0.30
PWOPRSES0001718	CONDUIT	1.059	0	05:01	1.32	0.17	0.35
PWOPRSES0001720	CONDUIT	0.213	0	05:15	1.50	0.02	0.10
PWOPRSES0001721	CONDUIT	0.545	0	05:15	1.36	0.06	0.21
PWOPRSES0001724	CONDUIT	6.722	0	05:15	1.91	0.45	0.64
PWOPRSES0001725	CONDUIT	6.722	0	05:15	1.90	0.34	0.64
PWOPRSES0001728	CONDUIT	7.016	0	05:15	2.39	0.34	0.56
PWOPRSES0001730	CONDUIT	8.291	0	05:15	4.61	0.45	0.40
PWOPRSES0001732	CONDUIT	0.206	0	05:15	1.84	0.01	0.08
PWOPRSES0001733	CONDUIT	1.274	0	05:15	1.58	0.33	0.30
PWOPRSES0001744	CONDUIT	3.113	0	05:15	1.85	0.30	0.53
PWOPRSES0001745	CONDUIT	2.384	0	05:15	3.56	0.09	0.27
PWOPRSES0001747	CONDUIT	0.112	0	05:15	2.18	0.00	0.05
PWOPRSES0001748	CONDUIT	2.652	0	05:15	2.13	0.14	0.42
PWOPRSES0001750	CONDUIT	3.948	0	05:15	1.83	0.31	0.65
PWOPRSES0001753	CONDUIT	3.893	0	05:15	1.86	0.26	0.63
PWOPRSES0001754	CONDUIT	0.115	0	05:15	1.09	0.01	0.12
PWOPRSES0001755	CONDUIT	3.052	0	05:15	1.80	0.34	0.53
PWOPRSES0001756	CONDUIT	3.114	0	05:15	2.04	0.34	0.50
PWOPRSES0001757	CONDUIT	3.034	0	05:15	1.95	0.32	0.50
PWOPRSES0001758	CONDUIT	0.121	0	05:15	1.12	0.01	0.09
PWOPRSES0001759	CONDUIT	3.210	0	05:15	1.98	0.27	0.53
PWOPRSES0001760	CONDUIT	3.325	0	05:15	2.21	0.30	0.53

PWOPRSES0001761	CONDUIT	0.402	0	05:15	1.31	0.04	0.22
PWOPRSES0001765A	CONDUIT	1.067	0	05:15	1.21	0.12	0.35
PWOPRSES0001765B	CONDUIT	2.118	0	05:15	2.08	0.23	0.40
PWOPRSES0001766	CONDUIT	1.057	0	05:15	2.66	0.06	0.21
PWOPRSES0001768	CONDUIT	0.605	0	05:15	2.06	0.04	0.21
PWOPRSES0001770	CONDUIT	0.776	0	05:15	1.93	0.06	0.19
PWOPRSES0001771	CONDUIT	0.545	0	05:15	2.90	0.01	0.13
PWOPRSES0001774	CONDUIT	3.159	0	05:02	1.02	0.37	0.68
PWOPRSES0001775	CONDUIT	4.722	0	05:09	1.22	0.04	0.51
PWOPRSES0001776	CONDUIT	1.254	0	05:14	0.90	0.13	0.63
PWOPRSES0001777	CONDUIT	0.356	0	05:15	1.29	0.03	0.15
PWOPRSES0001778	CONDUIT	0.712	0	05:15	1.32	0.10	0.41
PWOPRSES0001779	CONDUIT	5.273	0	05:15	2.49	0.08	0.46
PWOPRSES0001780	CONDUIT	0.500	0	05:14	1.34	0.04	0.37
PWOPRSES0001781	CONDUIT	0.049	0	05:19	0.18	0.00	0.23
PWOPRSES0001782	CONDUIT	0.679	0	05:13	1.42	0.07	0.29
PWOPRSES0001783	CONDUIT	0.317	0	05:15	1.51	0.03	0.12
PWOPRSES0001784	CONDUIT	6.767	0	05:15	2.61	0.69	0.77
PWOPRSES0001785	CONDUIT	4.654	0	05:15	2.67	0.41	0.54
PWOPRSES0001786	CONDUIT	0.623	0	05:13	1.71	0.06	0.19
PWOPRSES0001790	CONDUIT	0.466	0	05:15	1.00	0.06	0.26
PWOPRSES0001791	CONDUIT	1.489	0	05:03	1.72	0.14	0.45
PWOPRSES0001797	CONDUIT	6.763	0	05:15	2.74	0.89	0.73
PWOPRSES0001798	CONDUIT	6.825	0	05:16	4.69	0.11	0.33
PWOPRSES0001803	CONDUIT	0.707	0	04:30	0.76	0.09	0.53
PWOPRSES0001806	CONDUIT	1.500	0	05:15	2.51	0.11	0.25
PWOPRSES0001807	CONDUIT	3.912	0	04:49	1.99	0.35	0.54
PWOPRSES0001808	CONDUIT	0.133	0	05:15	1.40	0.01	0.07
PWOPRSES0001809	CONDUIT	1.379	0	05:15	2.05	0.13	0.27
PWOPRSES0001810	CONDUIT	0.000	0	00:00	0.00	0.00	0.09
PWOPRSES0001812	CONDUIT	1.499	0	05:15	1.67	0.13	0.37
PWOPRSES0001819	CONDUIT	0.806	0	05:15	2.53	0.04	0.16
PWOPRSES0001821	CONDUIT	1.169	0	05:15	2.61	0.08	0.21
PWOPRSES0001822	CONDUIT	0.363	0	05:15	3.33	0.01	0.08
PWOPRSES0001823	CONDUIT	1.479	0	05:15	1.59	0.17	0.34
PWOPRSES0001824	CONDUIT	3.908	0	05:15	2.26	0.49	0.54
PWOPRSES0001825	CONDUIT	2.254	0	05:15	2.00	0.27	0.39
PWOPRSES0001826	CONDUIT	1.550	0	05:15	1.51	0.37	0.36
PWOPRSES0001827	CONDUIT	2.367	0	05:15	1.86	0.28	0.43
PWOPRSES0001828	CONDUIT	2.425	0	05:15	1.96	0.23	0.42
PWOPRSES0001829	CONDUIT	6.623	0	05:15	1.95	0.12	0.38
PWOPRSES0001840	CONDUIT	2.135	0	05:15	1.69	0.17	0.53
PWOPRSES0001841	CONDUIT	4.891	0	05:02	2.96	0.26	0.63
PWOPRSES0001842	CONDUIT	3.243	0	05:05	2.98	0.11	0.58
PWOPRSES0001844	CONDUIT	0.213	0	05:15	1.53	0.01	0.14
PWOPRSES0001845	CONDUIT	0.465	0	05:15	1.59	0.04	0.17
PWOPRSES0001855	CONDUIT	1.533	0	05:15	3.35	0.07	0.20
PWOPRSES0001856	CONDUIT	0.590	0	05:15	3.36	0.02	0.10
PWOPRSES0001861	CONDUIT	0.165	0	05:15	1.59	0.01	0.07
PWOPRSES0001862	CONDUIT	0.449	0	05:15	2.23	0.02	0.12
PWOPRSES0001865	CONDUIT	0.861	0	05:15	2.02	0.08	0.19
PWOPRSES0001866	CONDUIT	0.697	0	05:15	3.81	0.02	0.11
PWOPRSES0001868	CONDUIT	0.554	0	05:15	0.99	0.07	0.24
PWOPRSES0001890	CONDUIT	1.027	0	05:15	2.50	0.07	0.22
PWOPRSES0001891	CONDUIT	0.922	0	05:15	2.33	0.06	0.18
PWOPRSES0001892	CONDUIT	0.361	0	05:15	1.11	0.04	0.21
PWOPRSES0001895	CONDUIT	0.621	0	05:15	2.35	0.03	0.14

PWOPRSES0001896	CONDUIT	0.647	0	05:15	2.83	0.03	0.13
PWOPRSES0001897	CONDUIT	0.647	0	05:15	2.29	0.03	0.15
PWOPRSES0001899	CONDUIT	0.461	0	05:15	2.02	0.02	0.13
PWOPRSES0001900	CONDUIT	0.461	0	05:15	1.99	0.02	0.13
PWOPRSES0001904	CONDUIT	0.922	0	05:15	1.26	0.07	0.32
PWOPRSES0001905	CONDUIT	2.474	0	05:15	1.57	0.26	0.51
PWOPRSES0001906	CONDUIT	1.413	0	05:15	1.15	0.14	0.45
PWOPRSES0001919	CONDUIT	0.005	0	05:16	0.04	0.00	0.10
PWOPRSES0001930	CONDUIT	0.614	0	05:15	1.66	0.06	0.18
PWOPRSES0001931	CONDUIT	1.205	0	05:15	1.71	0.18	0.28
PWOPRSES0001932	CONDUIT	0.000	0	00:00	0.00	0.00	0.06
PWOPRSES0001941	CONDUIT	1.258	0	05:15	3.18	0.05	0.18
PWOPRSES0001942	CONDUIT	0.912	0	05:15	3.53	0.04	0.14
PWOPRSES0001943	CONDUIT	0.912	0	05:15	2.07	0.08	0.20
PWOPRSES0001944	CONDUIT	0.912	0	05:15	2.13	0.08	0.19
PWOPRSES0001951	CONDUIT	0.000	0	00:00	0.00	0.00	0.08
PWOPRSES0001952	CONDUIT	0.633	0	05:15	1.83	0.06	0.17
PWOPRSES0001960	CONDUIT	0.633	0	05:15	1.87	0.06	0.16
PWOPRSES0001961	CONDUIT	1.142	0	05:15	2.73	0.06	0.19
PWOPRSES0001962	CONDUIT	1.520	0	05:03	1.61	0.15	0.39
PWOPRSES0001963	CONDUIT	0.504	0	05:15	1.70	0.02	0.23
PWOPRSES0001968	CONDUIT	0.504	0	05:15	4.66	0.01	0.08
PWOPRSES0001972	CONDUIT	0.551	0	05:15	1.38	0.06	0.19
PWOPRSES0001976	CONDUIT	8.528	0	05:15	3.00	0.70	0.56
PWOPRSES0001977	CONDUIT	1.057	0	05:15	2.10	0.08	0.22
PWOPRSES0001978	CONDUIT	9.952	0	05:15	3.86	0.26	0.42
PWOPRSES0001979	CONDUIT	1.057	0	05:15	2.32	0.06	0.20
PWOPRSES0001984	CONDUIT	8.254	0	05:15	2.73	0.59	0.59
PWOPRSES0002119	CONDUIT	0.721	0	05:15	1.71	0.07	0.19
PWOPRSES0002120	CONDUIT	0.844	0	05:15	1.34	0.07	0.26
PWOPRSES0002121	CONDUIT	0.721	0	05:15	1.20	0.10	0.25
PWOPRSES0002122	CONDUIT	1.062	0	05:15	1.67	0.08	0.28
PWOPRSES0003435	CONDUIT	2.282	0	05:15	2.82	0.10	0.30
PWOPRSES0003436	CONDUIT	2.312	0	05:15	2.47	0.21	0.34
PWOPRSES0003439	CONDUIT	0.000	0	00:00	0.00	0.00	0.04
PWOPRSES0003446	CONDUIT	1.915	0	05:15	1.93	0.28	0.35
PWOPRSES0003447	CONDUIT	1.915	0	05:15	4.68	0.05	0.19
PWOPRSES0003448	CONDUIT	1.915	0	05:15	3.08	0.08	0.25
PWOPRSES0003449	CONDUIT	2.172	0	05:15	3.74	0.10	0.24
PWOPRSES0003457	CONDUIT	0.776	0	05:15	1.72	0.06	0.20
PWOPRSES0003465	CONDUIT	0.451	0	05:15	2.38	0.02	0.14
PWOPRSES0003466	CONDUIT	1.412	0	05:15	1.73	0.13	0.31
PWOPRSES0004584	CONDUIT	1.046	0	05:15	3.38	0.04	0.15
PWOPRSES0004585	CONDUIT	1.046	0	05:15	2.77	0.03	0.18
PWOPRSES0004586	CONDUIT	1.126	0	05:15	2.48	0.07	0.20
PWOPRSES0004587	CONDUIT	0.477	0	05:15	1.29	0.04	0.18
PWOPRSES0004588	CONDUIT	1.041	0	05:15	1.96	0.11	0.23
PWOPRSES0004589	CONDUIT	0.735	0	05:15	2.47	0.03	0.15
PWOPRSES0004590	CONDUIT	1.081	0	05:15	2.10	0.06	0.23
PWOPRSES0004591	CONDUIT	3.091	0	05:15	2.32	0.15	0.33
PWOPRSES0004592	CONDUIT	3.440	0	05:15	2.44	0.16	0.34
PWOPRSES0004593	CONDUIT	0.350	0	05:15	1.43	0.01	0.22
PWOPRSES0004594	CONDUIT	3.819	0	05:15	1.69	0.19	0.47
PWOPRSES0004597	CONDUIT	0.000	0	00:00	0.00	0.00	0.05
PWOPRSES0004603	CONDUIT	0.519	0	05:15	1.87	0.04	0.15
PWOPRSES0004637	CONDUIT	0.827	0	05:15	3.38	0.04	0.13
PWOPRSES0005529	CONDUIT	0.013	0	05:15	0.46	0.00	0.06

PWOPRSES0005530	CONDUIT	0.007	0	04:20	0.82	0.00	0.05
PWOPRSES0005531	CONDUIT	0.544	0	05:15	1.34	0.10	0.19
PWOPRSES0005532	CONDUIT	0.610	0	05:05	0.86	0.05	0.41
PWOPRSES0005534	CONDUIT	4.656	0	05:15	2.41	0.50	0.59
PWOPRSES0005535	CONDUIT	0.064	0	05:15	1.02	0.01	0.05
PWOPRSES0005536	CONDUIT	0.192	0	05:15	2.14	0.01	0.07
PWOPRSES0005537	CONDUIT	0.192	0	05:15	1.66	0.01	0.10
PWOPRSES0005539	CONDUIT	0.265	0	05:15	1.34	0.02	0.12
PWOPRSES0005540	CONDUIT	0.667	0	05:15	2.00	0.04	0.16
PWOPRSES0005541	CONDUIT	0.667	0	05:15	2.56	0.04	0.14
PWOPRSES0005710	CONDUIT	8.498	0	05:15	4.50	0.08	0.25
PWOPRSES0005734	CONDUIT	0.026	0	05:10	0.47	0.00	0.17
PWOPRSES0005735	CONDUIT	1.966	0	05:15	2.25	0.20	0.32
PWOPRSES0005736	CONDUIT	1.877	0	05:15	2.86	0.12	0.26
PWOPRSES0005739	CONDUIT	1.204	0	05:15	2.84	0.04	0.19
PWOPRSES0005744	CONDUIT	0.649	0	05:15	1.58	0.03	0.19
PWOPRSES0005766	CONDUIT	2.134	0	05:15	2.57	0.18	0.31
PWOPRSES0005767	CONDUIT	2.212	0	05:15	2.64	0.21	0.31
PWOPRSES0005768	CONDUIT	2.346	0	05:15	2.80	0.20	0.31
PWOPRSES0005769	CONDUIT	2.862	0	05:15	0.80	0.04	0.52
PWOPRSES0005770	CONDUIT	0.404	0	05:15	1.56	0.03	0.14
PWOPRSES0005771	CONDUIT	0.451	0	05:15	1.24	0.02	0.17
PWOPRSES0006537	CONDUIT	0.111	0	05:15	0.53	0.01	0.12
PWOPRSES0006538	CONDUIT	0.000	0	00:00	0.00	0.00	0.10
PWOPRSES0006542	CONDUIT	0.139	0	05:15	1.10	0.01	0.08
PWOPRSES0006547	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
PWOPRSES0006548	CONDUIT	0.000	0	00:00	0.00	0.00	0.02
PWOPRSES0006549	CONDUIT	0.608	0	05:15	1.83	0.05	0.16
PWOPRSES0006550	CONDUIT	0.744	0	05:15	1.79	0.08	0.19
PWOPRSES0006551	CONDUIT	0.366	0	05:15	1.52	0.03	0.13
PWOPRSES0006552	CONDUIT	1.241	0	05:15	1.88	0.12	0.26
PWOPRSES0006553	CONDUIT	2.297	0	05:15	1.83	0.07	0.24
PWOPRSES0006554	CONDUIT	0.558	0	05:15	1.84	0.03	0.17
PWOPRSES0006555	CONDUIT	0.237	0	05:15	0.92	0.02	0.15
PWOPRSES0006576	CONDUIT	0.360	0	05:15	1.64	0.03	0.12
PWOPRSES0006577	CONDUIT	0.471	0	05:15	1.80	0.04	0.14
STMEasement	CONDUIT	0.802	0	05:15	1.34	0.07	0.25
SWMPOND_OUT	CONDUIT	5.865	0	04:30	1.57	0.16	0.65

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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
1	1.00	0.68	0.00	0.00	0.27	0.05	0.00	0.00	0.97	0.00
10	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.76	0.00
11	1.00	0.29	0.00	0.00	0.70	0.01	0.00	0.00	0.03	0.00
12	1.00	0.58	0.01	0.00	0.30	0.11	0.00	0.00	0.91	0.00
13	1.00	0.39	0.00	0.00	0.49	0.12	0.00	0.00	0.04	0.00
14	1.00	0.29	0.19	0.00	0.52	0.00	0.00	0.00	0.99	0.00
15	1.00	0.56	0.02	0.00	0.30	0.12	0.00	0.00	0.86	0.00
16	1.00	0.00	0.60	0.00	0.37	0.02	0.00	0.00	0.97	0.00

17	1.00	0.00	0.56	0.00	0.43	0.00	0.00	0.00	0.92	0.00
18	1.00	0.00	0.00	0.00	0.91	0.08	0.00	0.00	0.89	0.00
19	1.00	0.00	0.00	0.00	0.48	0.52	0.00	0.00	0.73	0.00
2	1.00	0.35	0.34	0.00	0.31	0.00	0.00	0.00	0.93	0.00
20	1.00	0.00	0.00	0.00	0.77	0.23	0.00	0.00	0.70	0.00
21	1.00	0.00	0.00	0.00	0.95	0.04	0.00	0.00	0.04	0.00
22	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.52	0.00
23	1.00	0.00	0.00	0.00	0.87	0.13	0.00	0.00	0.01	0.00
24	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.94	0.00
25	1.00	0.57	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	1.00	0.00	0.00	0.00	0.83	0.16	0.00	0.00	0.23	0.00
27	1.00	0.57	0.00	0.00	0.38	0.05	0.00	0.00	0.27	0.00
28	1.00	0.61	0.05	0.00	0.15	0.19	0.00	0.00	0.92	0.00
29	1.00	0.34	0.00	0.00	0.33	0.33	0.00	0.00	0.26	0.00
3	1.00	0.35	0.00	0.00	0.64	0.01	0.00	0.00	0.06	0.00
30	1.00	0.27	0.08	0.00	0.32	0.33	0.00	0.00	0.90	0.00
31	1.00	0.27	0.01	0.00	0.49	0.23	0.00	0.00	0.27	0.00
32	1.00	0.20	0.00	0.00	0.52	0.28	0.00	0.00	0.00	0.00
33	1.00	0.29	0.02	0.00	0.35	0.34	0.00	0.00	0.67	0.00
34	1.00	0.28	0.01	0.00	0.37	0.34	0.00	0.00	0.60	0.00
35	1.00	0.00	0.28	0.00	0.70	0.01	0.00	0.00	0.89	0.00
36	1.00	0.68	0.00	0.00	0.15	0.17	0.00	0.00	0.07	0.00
37	1.00	0.00	0.58	0.00	0.42	0.00	0.00	0.00	0.73	0.00
38	1.00	0.45	0.16	0.00	0.31	0.08	0.00	0.00	0.99	0.00
39	1.00	0.34	0.11	0.00	0.26	0.29	0.00	0.00	0.49	0.00
4	1.00	0.59	0.07	0.00	0.20	0.14	0.00	0.00	0.88	0.00
40	1.00	0.33	0.01	0.00	0.32	0.34	0.00	0.00	0.73	0.00
41	1.00	0.00	0.00	0.00	0.71	0.29	0.00	0.00	0.99	0.00
43	1.00	0.73	0.00	0.00	0.27	0.00	0.00	0.00	0.22	0.00
44	1.00	0.00	0.00	0.00	0.64	0.36	0.00	0.00	0.77	0.00
45	1.00	0.66	0.00	0.00	0.00	0.34	0.00	0.00	0.19	0.00
46	10.96	0.95	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00
47	1.00	0.00	0.00	0.00	0.55	0.44	0.00	0.00	0.19	0.00
48	1.00	0.66	0.01	0.00	0.23	0.11	0.00	0.00	0.85	0.00
49	1.00	0.94	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00
5	1.00	0.44	0.15	0.00	0.34	0.07	0.00	0.00	0.87	0.00
50	1.00	0.00	0.50	0.00	0.31	0.18	0.00	0.00	0.77	0.00
51	1.00	0.83	0.00	0.00	0.00	0.17	0.00	0.00	0.05	0.00
52	1.00	0.39	0.37	0.00	0.16	0.08	0.00	0.00	0.90	0.00
53	1.20	0.97	0.00	0.00	0.00	0.03	0.00	0.00	0.02	0.00
54	1.00	0.56	0.15	0.00	0.21	0.07	0.00	0.00	0.79	0.00
55	1.00	0.87	0.00	0.00	0.00	0.13	0.00	0.00	0.09	0.00
56	1.00	0.92	0.00	0.00	0.00	0.08	0.00	0.00	0.05	0.00
57	1.00	0.59	0.06	0.00	0.30	0.05	0.00	0.00	0.86	0.00
58	1.00	0.58	0.06	0.00	0.33	0.02	0.00	0.00	0.68	0.00
59	1.00	0.75	0.00	0.00	0.00	0.25	0.00	0.00	0.16	0.00
6	1.00	0.44	0.00	0.00	0.55	0.02	0.00	0.00	0.46	0.00
60	1.00	0.66	0.02	0.00	0.22	0.10	0.00	0.00	0.73	0.00
61	1.00	0.91	0.00	0.00	0.00	0.09	0.00	0.00	0.03	0.00
62	1.00	0.73	0.00	0.00	0.00	0.26	0.00	0.00	0.06	0.00
63	1.00	0.20	0.24	0.00	0.55	0.02	0.00	0.00	0.71	0.00
64	1.27	0.73	0.00	0.00	0.00	0.27	0.00	0.00	0.19	0.00
65	1.17	0.00	0.00	0.00	0.41	0.59	0.00	0.00	0.40	0.00
66	1.49	0.62	0.00	0.00	0.00	0.38	0.00	0.00	0.18	0.00
67	1.68	0.62	0.00	0.00	0.00	0.38	0.00	0.00	0.21	0.00
68	1.46	0.00	0.00	0.00	0.96	0.04	0.00	0.00	0.58	0.00
7	1.00	0.00	0.00	0.00	0.87	0.12	0.00	0.00	0.99	0.00

70	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
8	1.00	0.00	0.00	0.00	0.89	0.11	0.00	0.00	0.00	0.00
9	1.00	0.00	0.56	0.00	0.43	0.00	0.00	0.00	0.79	0.00
PWOPRSES0001498	1.00	0.00	0.00	0.00	0.09	0.04	0.00	0.87	0.00	0.00
PWOPRSES0001507	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001510	1.00	0.00	0.00	0.00	0.02	0.01	0.00	0.97	0.00	0.00
PWOPRSES0001511	1.00	0.00	0.00	0.00	0.00	0.15	0.00	0.84	0.00	0.00
PWOPRSES0001512	1.00	0.99	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001515	1.00	0.98	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001516	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001518	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001519	1.00	0.81	0.00	0.00	0.03	0.00	0.00	0.16	0.00	0.00
PWOPRSES0001520	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
PWOPRSES0001521	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001522	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001524	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001525	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001530	1.00	0.81	0.00	0.00	0.18	0.00	0.00	0.01	0.16	0.00
PWOPRSES0001534	1.00	0.77	0.04	0.00	0.14	0.00	0.00	0.05	0.91	0.00
PWOPRSES0001535	1.00	0.81	0.00	0.00	0.19	0.00	0.00	0.00	0.16	0.00
PWOPRSES0001536	1.00	0.81	0.00	0.00	0.03	0.00	0.00	0.16	0.00	0.00
PWOPRSES0001537	1.00	0.81	0.00	0.00	0.17	0.00	0.00	0.02	0.00	0.00
PWOPRSES0001538	1.00	0.81	0.01	0.00	0.19	0.00	0.00	0.00	1.00	0.00
PWOPRSES0001541	1.00	0.00	0.81	0.00	0.15	0.03	0.00	0.00	0.94	0.00
PWOPRSES0001542	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001543	1.00	0.00	0.79	0.00	0.20	0.01	0.00	0.00	0.98	0.00
PWOPRSES0001544	1.00	0.28	0.49	0.00	0.22	0.00	0.00	0.00	0.98	0.00
PWOPRSES0001545	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001546	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001547	1.00	0.00	0.00	0.00	0.00	0.08	0.00	0.92	0.00	0.00
PWOPRSES0001548	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001551	1.00	0.00	0.00	0.00	0.00	0.03	0.00	0.97	0.00	0.00
PWOPRSES0001555	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001556	1.00	0.00	0.81	0.00	0.00	0.19	0.00	0.00	1.00	0.00
PWOPRSES0001557	1.65	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.01	0.00
PWOPRSES0001558	1.00	0.00	0.00	0.00	0.19	0.01	0.00	0.80	0.01	0.00
PWOPRSES0001559	1.00	0.00	0.80	0.00	0.01	0.19	0.00	0.00	1.00	0.00
PWOPRSES0001564	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001565	1.00	0.80	0.00	0.00	0.20	0.00	0.00	0.00	0.83	0.00
PWOPRSES0001566	1.00	0.00	0.00	0.00	0.08	0.00	0.00	0.91	0.00	0.00
PWOPRSES0001567	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.99	0.01	0.00
PWOPRSES0001571	1.00	0.90	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001572	1.00	0.00	0.00	0.00	0.80	0.20	0.00	0.00	0.00	0.00
PWOPRSES0001575	1.00	0.20	0.48	0.00	0.32	0.00	0.00	0.00	0.78	0.00
PWOPRSES0001576	1.00	0.68	0.03	0.00	0.28	0.00	0.00	0.00	0.79	0.00
PWOPRSES0001577	1.00	0.68	0.07	0.00	0.25	0.00	0.00	0.00	0.81	0.00
PWOPRSES0001579	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001580	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001581	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0001582	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001583	1.12	0.97	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001584	1.13	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001585	1.00	0.00	0.00	0.00	0.95	0.05	0.00	0.00	0.91	0.00
PWOPRSES0001586	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001587	1.00	0.81	0.01	0.00	0.10	0.08	0.00	0.00	0.96	0.00
PWOPRSES0001633	1.00	0.00	0.00	0.00	0.83	0.17	0.00	0.00	0.82	0.00
PWOPRSES0001634	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00

PWOPRSES0001654	1.00	0.00	0.00	0.00	0.03	0.00	0.00	0.96	0.00	0.00
PWOPRSES0001655	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.00	0.00
PWOPRSES0001656	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001658	1.00	0.00	0.80	0.00	0.19	0.00	0.00	0.00	0.89	0.00
PWOPRSES0001660	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001662	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0001663	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001667	1.00	0.00	0.00	0.00	0.01	0.05	0.00	0.93	0.01	0.00
PWOPRSES0001679	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.01	0.00
PWOPRSES0001680	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.00	0.00
PWOPRSES0001681	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001682	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0001684	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.00	0.00
PWOPRSES0001687	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.00	0.00
PWOPRSES0001688	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001698	1.00	0.00	0.81	0.00	0.01	0.18	0.00	0.00	0.09	0.00
PWOPRSES0001699	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0001711	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.00	0.00
PWOPRSES0001712	1.51	0.00	0.00	0.00	0.01	0.01	0.00	0.98	0.00	0.00
PWOPRSES0001713	1.00	0.00	0.00	0.00	0.04	0.00	0.00	0.96	0.00	0.00
PWOPRSES0001718	1.00	0.00	0.81	0.00	0.19	0.00	0.00	0.00	0.01	0.00
PWOPRSES0001720	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001721	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.01	0.00
PWOPRSES0001724	1.00	0.81	0.00	0.00	0.19	0.00	0.00	0.00	0.08	0.00
PWOPRSES0001725	1.00	0.81	0.00	0.00	0.04	0.00	0.00	0.16	0.00	0.00
PWOPRSES0001728	1.00	0.81	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.00
PWOPRSES0001730	1.00	0.81	0.00	0.00	0.11	0.08	0.00	0.00	0.01	0.00
PWOPRSES0001732	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001733	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001744	1.00	0.00	0.00	0.00	0.04	0.01	0.00	0.94	0.00	0.00
PWOPRSES0001745	1.16	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001747	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001748	1.00	0.00	0.00	0.00	0.02	0.04	0.00	0.94	0.06	0.00
PWOPRSES0001750	1.00	0.00	0.00	0.00	0.07	0.02	0.00	0.91	0.00	0.00
PWOPRSES0001753	1.00	0.00	0.80	0.00	0.06	0.14	0.00	0.00	0.02	0.00
PWOPRSES0001754	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.01	0.00
PWOPRSES0001755	1.00	0.00	0.00	0.00	0.04	0.08	0.00	0.88	0.00	0.00
PWOPRSES0001756	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001757	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001758	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.01	0.00
PWOPRSES0001759	1.00	0.00	0.00	0.00	0.02	0.04	0.00	0.94	0.00	0.00
PWOPRSES0001760	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001761	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.99	0.00	0.00
PWOPRSES0001765A	1.00	0.00	0.81	0.00	0.19	0.00	0.00	0.00	0.98	0.00
PWOPRSES0001765B	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001766	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0001768	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001770	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001771	1.20	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0001774	1.00	0.80	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001775	1.00	0.29	0.51	0.00	0.20	0.00	0.00	0.00	0.93	0.00
PWOPRSES0001776	1.00	0.00	0.00	0.00	0.19	0.00	0.00	0.81	0.15	0.00
PWOPRSES0001777	1.00	0.00	0.00	0.00	0.03	0.05	0.00	0.92	0.02	0.00
PWOPRSES0001778	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001779	1.00	0.79	0.00	0.00	0.19	0.00	0.00	0.02	0.17	0.00
PWOPRSES0001780	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001781	1.00	0.90	0.08	0.00	0.02	0.00	0.00	0.00	0.93	0.00

PWOPRSES0001782	1.00	0.00	0.00	0.00	0.03	0.01	0.00	0.96	0.01	0.00
PWOPRSES0001783	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001784	1.00	0.00	0.00	0.00	0.04	0.02	0.00	0.94	0.00	0.00
PWOPRSES0001785	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001786	2.09	0.00	0.00	0.00	0.02	0.01	0.00	0.97	0.00	0.00
PWOPRSES0001790	1.00	0.00	0.00	0.00	0.03	0.05	0.00	0.92	0.01	0.00
PWOPRSES0001791	1.00	0.00	0.81	0.00	0.12	0.07	0.00	0.00	0.83	0.00
PWOPRSES0001797	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001798	1.00	0.79	0.00	0.00	0.02	0.06	0.00	0.13	0.06	0.00
PWOPRSES0001803	1.00	0.78	0.03	0.00	0.19	0.00	0.00	0.00	0.97	0.00
PWOPRSES0001806	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.00	0.00
PWOPRSES0001807	1.00	0.78	0.03	0.00	0.19	0.00	0.00	0.00	0.84	0.00
PWOPRSES0001808	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001809	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.00	0.00
PWOPRSES0001810	1.00	0.98	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001812	1.00	0.00	0.00	0.00	0.06	0.00	0.00	0.94	0.03	0.00
PWOPRSES0001819	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.02	0.00
PWOPRSES0001821	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0001822	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001823	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001824	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001825	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001826	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001827	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001828	1.00	0.00	0.81	0.00	0.19	0.00	0.00	0.00	0.85	0.00
PWOPRSES0001829	1.00	0.29	0.52	0.00	0.19	0.00	0.00	0.00	0.99	0.00
PWOPRSES0001840	1.00	0.00	0.00	0.00	0.04	0.00	0.00	0.95	0.01	0.00
PWOPRSES0001841	1.25	0.80	0.02	0.00	0.19	0.00	0.00	0.00	0.95	0.00
PWOPRSES0001842	1.36	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.16	0.00
PWOPRSES0001844	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.01	0.00
PWOPRSES0001845	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.01	0.00
PWOPRSES0001855	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001856	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001861	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001862	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0001865	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001866	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001868	1.00	0.00	0.81	0.00	0.19	0.00	0.00	0.00	0.91	0.00
PWOPRSES0001890	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.00	0.00
PWOPRSES0001891	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001892	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001895	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001896	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001897	1.00	0.00	0.00	0.00	0.82	0.18	0.00	0.00	0.91	0.00
PWOPRSES0001899	1.04	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
PWOPRSES0001900	1.00	0.01	0.81	0.00	0.01	0.17	0.00	0.00	0.14	0.00
PWOPRSES0001904	1.00	0.00	0.00	0.00	0.03	0.00	0.00	0.96	0.02	0.00
PWOPRSES0001905	1.00	0.00	0.00	0.00	0.03	0.00	0.00	0.96	0.00	0.00
PWOPRSES0001906	1.00	0.00	0.00	0.00	0.05	0.00	0.00	0.95	0.03	0.00
PWOPRSES0001919	1.00	0.94	0.04	0.00	0.02	0.00	0.00	0.00	0.93	0.00
PWOPRSES0001930	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001931	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001932	1.00	0.98	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001941	1.00	0.00	0.00	0.00	0.00	0.05	0.00	0.94	0.03	0.00
PWOPRSES0001942	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001943	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001944	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00

PWOPRSES0001951	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001952	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001960	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001961	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0001962	1.00	0.00	0.00	0.00	0.06	0.00	0.00	0.94	0.02	0.00
PWOPRSES0001963	1.00	0.00	0.00	0.00	0.02	0.02	0.00	0.96	0.03	0.00
PWOPRSES0001968	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001972	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001976	1.00	0.74	0.03	0.00	0.16	0.00	0.00	0.07	0.83	0.00
PWOPRSES0001977	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.00	0.00
PWOPRSES0001978	1.00	0.00	0.72	0.00	0.24	0.04	0.00	0.00	0.81	0.00
PWOPRSES0001979	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001984	1.00	0.77	0.03	0.00	0.20	0.00	0.00	0.00	0.93	0.00
PWOPRSES0002119	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0002120	1.00	0.00	0.00	0.00	0.02	0.01	0.00	0.97	0.00	0.00
PWOPRSES0002121	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0002122	1.00	0.00	0.00	0.00	0.01	0.01	0.00	0.98	0.00	0.00
PWOPRSES0003435	1.00	0.00	0.00	0.00	0.00	0.03	0.00	0.96	0.00	0.00
PWOPRSES0003436	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0003439	1.00	0.95	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0003446	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0003447	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0003448	1.27	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0003449	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.00	0.00
PWOPRSES0003457	1.00	0.00	0.81	0.00	0.10	0.09	0.00	0.00	0.09	0.00
PWOPRSES0003465	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.00	0.00
PWOPRSES0003466	1.00	0.00	0.00	0.00	0.02	0.02	0.00	0.95	0.00	0.00
PWOPRSES0004584	1.04	0.00	0.00	0.00	0.81	0.19	0.00	0.00	0.00	0.00
PWOPRSES0004585	1.00	0.00	0.81	0.00	0.01	0.17	0.00	0.00	1.00	0.00
PWOPRSES0004586	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0004587	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0004588	1.00	0.00	0.81	0.00	0.10	0.08	0.00	0.00	0.00	0.00
PWOPRSES0004589	1.00	0.00	0.00	0.00	0.82	0.17	0.00	0.00	0.99	0.00
PWOPRSES0004590	1.00	0.00	0.00	0.00	0.00	0.04	0.00	0.96	0.00	0.00
PWOPRSES0004591	1.00	0.81	0.00	0.00	0.19	0.00	0.00	0.00	0.17	0.00
PWOPRSES0004592	1.00	0.81	0.00	0.00	0.09	0.00	0.00	0.10	0.00	0.00
PWOPRSES0004593	2.35	0.00	0.00	0.00	0.02	0.01	0.00	0.97	0.00	0.00
PWOPRSES0004594	1.00	0.00	0.81	0.00	0.19	0.00	0.00	0.00	1.00	0.00
PWOPRSES0004597	1.00	0.98	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0004603	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.00	0.00
PWOPRSES0004637	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005529	1.00	0.00	0.00	0.00	0.10	0.00	0.00	0.89	0.10	0.00
PWOPRSES0005530	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.01	0.00
PWOPRSES0005531	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005532	1.00	0.00	0.80	0.00	0.19	0.00	0.00	0.00	0.99	0.00
PWOPRSES0005534	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0005535	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005536	1.15	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005537	1.00	0.00	0.00	0.00	0.01	0.02	0.00	0.97	0.03	0.00
PWOPRSES0005539	1.00	0.05	0.00	0.00	0.01	0.01	0.00	0.93	0.00	0.00
PWOPRSES0005540	1.42	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005541	1.00	0.00	0.00	0.00	0.89	0.10	0.00	0.00	0.00	0.00
PWOPRSES0005710	1.00	0.75	0.05	0.00	0.17	0.02	0.00	0.00	0.95	0.00
PWOPRSES0005734	1.00	0.00	0.00	0.00	0.17	0.00	0.00	0.83	0.16	0.00
PWOPRSES0005735	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0005736	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.00	0.00
PWOPRSES0005739	1.00	0.00	0.81	0.00	0.01	0.17	0.00	0.00	1.00	0.00

PWOPRSES0005744	1.00	0.00	0.81	0.00	0.14	0.04	0.00	0.00	0.98	0.00
PWOPRSES0005766	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.00	0.00
PWOPRSES0005767	1.00	0.00	0.00	0.00	0.00	0.09	0.00	0.91	0.00	0.00
PWOPRSES0005768	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005769	1.00	0.00	0.79	0.00	0.20	0.01	0.00	0.00	0.99	0.00
PWOPRSES0005770	1.00	0.00	0.81	0.00	0.08	0.10	0.00	0.00	0.01	0.00
PWOPRSES0005771	1.48	0.00	0.00	0.00	0.05	0.04	0.00	0.91	0.02	0.00
PWOPRSES0006537	1.00	0.00	0.81	0.00	0.18	0.00	0.00	0.00	0.98	0.00
PWOPRSES0006538	1.00	0.97	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0006542	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0006547	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0006548	1.00	0.99	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0006549	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0006550	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0006551	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.00	0.00
PWOPRSES0006552	1.00	0.00	0.00	0.00	0.06	0.10	0.00	0.84	0.00	0.00
PWOPRSES0006553	1.00	0.28	0.47	0.00	0.23	0.01	0.00	0.00	0.98	0.00
PWOPRSES0006554	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.97	0.00	0.00
PWOPRSES0006555	1.00	0.00	0.00	0.00	0.03	0.01	0.00	0.95	0.04	0.00
PWOPRSES0006576	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0006577	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
STMEasement	1.00	0.72	0.09	0.00	0.19	0.00	0.00	0.00	1.00	0.00
SWMPOND_OUT	1.00	0.00	0.78	0.00	0.20	0.01	0.00	0.00	0.95	0.00

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Conduit Surcharge Summary
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Conduit	Hours Full: Both Ends	Hours Full: Upstream	Hours Full: Dnstream	Hours Above Full Normal Flow	Hours Capacity Limited
16	0.01	0.01	0.79	0.01	0.01
22	0.01	0.01	0.01	0.01	0.01
23	0.01	0.01	0.01	4.59	0.01
7	0.01	0.01	0.79	0.01	0.01
70	0.01	0.01	0.01	7.56	0.01

Analysis begun on: Fri Jan 14 15:56:09 2022
Analysis ended on: Fri Jan 14 15:57:01 2022
Total elapsed time: 00:00:52

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EPA STORM WATER MANAGEMENT MODEL - VERSION 5.1 (Build 5.1.013)
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Climate Change Model of Scenario 2

WARNING 03: negative offset ignored for Link 1
WARNING 03: negative offset ignored for Link 1
WARNING 03: negative offset ignored for Link 10
WARNING 03: negative offset ignored for Link 10
WARNING 03: negative offset ignored for Link 11
WARNING 03: negative offset ignored for Link 11
WARNING 03: negative offset ignored for Link 12
WARNING 03: negative offset ignored for Link 12
WARNING 03: negative offset ignored for Link 13
WARNING 03: negative offset ignored for Link 13
WARNING 03: negative offset ignored for Link 14
WARNING 03: negative offset ignored for Link 14
WARNING 03: negative offset ignored for Link 15
WARNING 03: negative offset ignored for Link 15
WARNING 03: negative offset ignored for Link 17
WARNING 03: negative offset ignored for Link 17
WARNING 03: negative offset ignored for Link 18
WARNING 03: negative offset ignored for Link 18
WARNING 03: negative offset ignored for Link 19
WARNING 03: negative offset ignored for Link 19
WARNING 03: negative offset ignored for Link 2
WARNING 03: negative offset ignored for Link 2
WARNING 03: negative offset ignored for Link 20
WARNING 03: negative offset ignored for Link 20
WARNING 03: negative offset ignored for Link 21
WARNING 03: negative offset ignored for Link 21
WARNING 03: negative offset ignored for Link 22
WARNING 03: negative offset ignored for Link 22
WARNING 03: negative offset ignored for Link 23
WARNING 03: negative offset ignored for Link 23
WARNING 03: negative offset ignored for Link 24
WARNING 03: negative offset ignored for Link 24
WARNING 03: negative offset ignored for Link 25
WARNING 03: negative offset ignored for Link 25
WARNING 03: negative offset ignored for Link 26
WARNING 03: negative offset ignored for Link 26
WARNING 03: negative offset ignored for Link 27
WARNING 03: negative offset ignored for Link 27
WARNING 03: negative offset ignored for Link 28
WARNING 03: negative offset ignored for Link 28
WARNING 03: negative offset ignored for Link 29
WARNING 03: negative offset ignored for Link 29
WARNING 03: negative offset ignored for Link 3
WARNING 03: negative offset ignored for Link 3
WARNING 03: negative offset ignored for Link 30
WARNING 03: negative offset ignored for Link 30
WARNING 03: negative offset ignored for Link 31
WARNING 03: negative offset ignored for Link 31
WARNING 03: negative offset ignored for Link 32
WARNING 03: negative offset ignored for Link 32
WARNING 03: negative offset ignored for Link 33
```

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WARNING 03: negative offset ignored for Link 33
WARNING 03: negative offset ignored for Link 34
WARNING 03: negative offset ignored for Link 34
WARNING 03: negative offset ignored for Link 35
WARNING 03: negative offset ignored for Link 35
WARNING 03: negative offset ignored for Link 36
WARNING 03: negative offset ignored for Link 37
WARNING 03: negative offset ignored for Link 37
WARNING 03: negative offset ignored for Link 38
WARNING 03: negative offset ignored for Link 38
WARNING 03: negative offset ignored for Link 39
WARNING 03: negative offset ignored for Link 39
WARNING 03: negative offset ignored for Link 4
WARNING 03: negative offset ignored for Link 4
WARNING 03: negative offset ignored for Link 40
WARNING 03: negative offset ignored for Link 40
WARNING 03: negative offset ignored for Link 41
WARNING 03: negative offset ignored for Link 41
WARNING 03: negative offset ignored for Link 44
WARNING 03: negative offset ignored for Link 44
WARNING 03: negative offset ignored for Link 45
WARNING 03: negative offset ignored for Link 46
WARNING 03: negative offset ignored for Link 47
WARNING 03: negative offset ignored for Link 5
WARNING 03: negative offset ignored for Link 5
WARNING 03: negative offset ignored for Link 51
WARNING 03: negative offset ignored for Link 6
WARNING 03: negative offset ignored for Link 6
WARNING 03: negative offset ignored for Link 7
WARNING 03: negative offset ignored for Link 7
WARNING 03: negative offset ignored for Link 8
WARNING 03: negative offset ignored for Link 8
WARNING 03: negative offset ignored for Link 9
WARNING 03: negative offset ignored for Link 9
WARNING 03: negative offset ignored for Link PWOPRSES0001978
WARNING 02: maximum depth increased for Node 11
WARNING 02: maximum depth increased for Node 13
WARNING 02: maximum depth increased for Node 22
WARNING 02: maximum depth increased for Node 24
WARNING 02: maximum depth increased for Node 36
WARNING 02: maximum depth increased for Node 8
WARNING 02: maximum depth increased for Node 9
WARNING 02: maximum depth increased for Node PWOPRMHS0001401
WARNING 02: maximum depth increased for Node PWOPRMHS0001402
WARNING 02: maximum depth increased for Node PWOPRMHS0001602
WARNING 02: maximum depth increased for Node PWOPRMHS0001611
WARNING 02: maximum depth increased for Node PWOPRMHS0001662
WARNING 02: maximum depth increased for Node PWOPRMHS0001670
WARNING 02: maximum depth increased for Node PWOPRMHS0001688
WARNING 02: maximum depth increased for Node PWOPRMHS0004129
WARNING 02: maximum depth increased for Node PWOPRMHS0004130
WARNING 02: maximum depth increased for Node PWOPRMHS0004141
WARNING 02: maximum depth increased for Node PWOPRMHS0005230
WARNING 02: maximum depth increased for Node PWOPRMHS0005930
WARNING 02: maximum depth increased for Node PWOPRMHS0005931
WARNING 02: maximum depth increased for Node PWOPRMHS0005945
WARNING 02: maximum depth increased for Node SWMPOND
```

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

****************
Analysis Options
****************
Flow Units ............... CMS
Process Models:
  Rainfall/Runoff ........ YES
  RDII ................... NO
  Snowmelt ............... NO
  Groundwater ............ NO
  Flow Routing ........... YES
  Ponding Allowed ........ NO
  Water Quality .......... NO
Infiltration Method ...... GREEN_AMPT
Flow Routing Method ...... DYNWAVE
Surcharge Method ......... EXTRAN
Starting Date ............ 09/01/2021 00:00:00
Ending Date .............. 09/04/2021 00:00:00
Antecedent Dry Days ...... 0.0
Report Time Step ......... 00:05:00
Wet Time Step ............ 00:05:00
Dry Time Step ............ 00:15:00
Routing Time Step ........ 1.00 sec
Variable Time Step ....... YES
Maximum Trials ........... 8
Number of Threads ........ 4
Head Tolerance ........... 0.001500 m


**************************        Volume         Depth
Runoff Quantity Continuity     hectare-m            mm
**************************     ---------       -------
Total Precipitation ......       293.575       172.690
Outfall Runon ............      6139.023      3611.164
Evaporation Loss .........         2.278         1.340
Infiltration Loss ........       112.609        66.240
Surface Runoff ...........      6318.185      3716.552
Final Storage ............         0.000         0.000
Continuity Error (%) .....        -0.007


**************************        Volume        Volume
Flow Routing Continuity        hectare-m      10^6 ltr
**************************     ---------     ---------
Dry Weather Inflow .......         0.000         0.000
Wet Weather Inflow .......      6318.171     63182.373
Groundwater Inflow .......         0.000         0.000
RDII Inflow ..............         0.000         0.000
External Inflow ..........         0.000         0.000
External Outflow .........      6318.542     63186.074
Flooding Loss ............         0.000         0.000
```

```
Evaporation Loss .........         0.019         0.186
Exfiltration Loss ........         0.000         0.000
Initial Stored Volume ....         0.000         0.001
Final Stored Volume ......         0.013         0.132
Continuity Error (%) .....        -0.006


*************************
Highest Continuity Errors
*************************
Node PWOPRMHS0001642 (2.15%)
Node PWOPRMHS0001643 (-1.46%)
Node PWOPRMHS0001611 (1.30%)
Node PWOPRMHS0001614 (-1.26%)


***************************
Time-Step Critical Elements
***************************
Link 67 (14.44%)
Link 65 (11.84%)


********************************
Highest Flow Instability Indexes
********************************
Link 67 (22)
Link 44 (12)
Link 21 (10)
Link 65 (6)
Link 23 (3)


*************************
Routing Time Step Summary
*************************
Minimum Time Step           :     0.41 sec
Average Time Step           :     0.96 sec
Maximum Time Step           :     1.00 sec
Percent in Steady State     :     0.00
Average Iterations per Step :     2.03
Percent Not Converging      :     0.07


***************************
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
A1	172.69	1377.91	1.03	90.19	77.44	1382.62	1460.06	122.33	16.47	0.942
A1.1	172.69	0.00	1.35	33.04	52.96	85.47	138.43	59.27	9.04	0.802
A1.1_FRST	172.69	0.00	1.19	40.84	52.96	77.83	130.79	4.76	0.76	0.757
A2	172.69	888.63	1.12	98.10	52.97	909.40	962.37	110.59	10.16	0.907

A2.1	172.69	0.00	0.96	55.34	34.16	82.35	116.51	15.03	2.60	0.675
A2.1_FRST	172.69	0.00	0.91	61.72	34.16	76.03	110.19	3.61	0.65	0.638
A2.2	172.69	0.00	1.21	39.26	58.08	74.29	132.36	11.18	1.76	0.766
A2.2_FRST	172.69	0.00	1.10	50.22	58.07	63.45	121.52	2.70	0.45	0.704
A3	172.69	1663.63	1.59	188.28	91.71	1554.93	1646.64	934.88	44.02	0.897
A3.1	172.69	0.00	1.25	37.25	37.57	96.72	134.30	8.66	1.36	0.778
A3.1_FRST	172.69	0.00	0.94	60.46	37.57	73.84	111.41	14.69	2.61	0.645
A3.2	172.69	0.00	1.25	38.24	61.50	71.85	133.35	43.10	6.74	0.772
A3.2_FRST	172.69	0.00	1.10	56.41	61.50	53.83	115.33	8.53	1.46	0.668
A3.3	172.69	0.00	1.28	37.24	39.29	94.99	134.28	94.29	14.68	0.778
A3.3_FRST	172.69	0.00	0.90	72.43	39.29	60.20	99.49	17.05	3.22	0.576
A4	172.69	9960.49	2.80	252.72	506.50	9371.60	9878.10	9929.23	309.25	0.975
A4.1	172.69	0.00	1.21	37.32	34.15	100.20	134.34	1.38	0.22	0.778
A4.1_FRST	172.69	0.00	0.86	65.15	34.15	72.70	106.85	5.90	1.08	0.619
A4.2	172.69	0.00	1.33	33.95	49.54	88.00	137.54	13.49	2.07	0.796
A4.2_FRST	172.69	0.00	1.09	48.42	49.54	73.78	123.32	19.92	3.29	0.714
A4.3	172.69	0.00	1.55	22.94	104.22	44.18	148.40	69.70	10.02	0.859
A4.3_FRST	172.69	0.00	1.45	36.86	104.22	30.37	134.60	10.92	1.66	0.779
A4.4_FRST	172.69	0.00	0.92	73.47	46.12	52.32	98.45	18.35	3.48	0.570
A4.5	172.69	0.00	1.34	33.92	49.54	88.02	137.56	149.67	22.95	0.797
A4.5_FRST	172.69	0.00	1.18	42.32	49.54	79.79	129.33	19.43	3.11	0.749
A4.6	172.69	0.00	1.34	41.99	88.85	40.70	129.55	192.99	30.36	0.750
A4.6_FRST	172.69	0.00	1.32	45.60	88.85	37.12	125.96	76.53	12.22	0.729
B1	172.69	2067.11	1.25	51.77	111.89	2077.02	2188.92	67.52	16.20	0.977
B1.1	172.69	0.00	1.22	37.72	34.15	99.75	133.90	1.34	0.21	0.775
B1.1_FRST	172.69	0.00	1.22	37.72	34.15	99.75	133.90	4.96	0.78	0.775
B2	172.69	30199.00	1.48	68.09	1518.54	28793.10	30311.64	882.62	84.77	0.998
B2.1	172.69	0.00	1.14	42.29	18.78	110.60	129.38	8.38	1.36	0.749
B2.1_FRST	172.69	0.00	1.14	42.29	18.78	110.60	129.38	10.43	1.69	0.749
C1	172.69	28131.69	1.29	125.91	1415.16	26769.33	28184.49	889.25	99.66	0.996
C1.1	172.69	0.00	1.57	22.98	104.22	44.12	148.33	182.90	26.31	0.859
C1.1_FRST	172.69	0.00	1.51	27.47	104.22	39.69	143.91	4.01	0.59	0.833
D1	172.69	4609.38	1.16	138.26	239.01	4404.93	4643.95	610.92	65.63	0.971
D1.1	172.69	0.00	1.46	38.77	104.22	28.46	132.67	158.97	24.37	0.768
D1.1_FRST	172.69	0.00	1.49	32.47	104.22	34.71	138.93	42.14	6.30	0.805
D2	172.69	0.00	0.93	89.13	8.54	74.13	82.67	14.52	2.01	0.479
D2.1	172.69	0.00	1.37	44.28	92.25	34.98	127.23	66.47	10.50	0.737
D2.1_FRST	172.69	0.00	1.38	41.34	92.25	37.90	130.15	24.77	3.87	0.754
D3	172.69	98454.89	2.37	230.02	4931.29	93467.88	98399.17	5522.10	172.41	0.998
D3.1	172.69	0.00	1.44	38.15	102.51	30.80	133.31	48.14	7.38	0.772
D4	172.69	44073.84	2.18	239.06	2212.26	41795.81	44008.07	1549.06	57.87	0.995
D4.1	172.69	0.00	1.36	43.38	90.55	37.60	128.14	30.00	4.73	0.742
D4.1_FRST	172.69	0.00	1.36	42.39	90.55	38.57	129.12	17.62	2.77	0.748
E1	172.69	880031.71	3.08	341.33	44010.55	835864.93	879875.48	25763.52	573.99	1.000
E1.1	172.69	0.00	0.97	57.29	39.29	75.26	114.55	20.63	3.59	0.663
E1.1_FRST	172.69	0.00	0.91	66.40	39.29	66.22	105.51	34.67	6.35	0.611
E2	172.69	1900585.17	3.06	214.27	95039.04	1805520.02	1900559.06	14934.49	310.52	1.000
E2.1	172.69	0.00	1.22	38.67	32.45	100.47	132.92	12.33	1.95	0.770
E2.1_FRST	172.69	0.00	1.01	47.71	32.44	91.68	124.12	1.08	0.18	0.719
E3	172.69	0.00	0.70	102.36	8.54	61.16	69.70	9.77	1.90	0.404
E3.1	172.69	0.00	0.93	58.77	37.57	75.56	113.13	25.81	4.55	0.655
E3.1_FRST	172.69	0.00	0.91	63.52	37.57	70.83	108.40	14.16	2.57	0.628
HC01-01	172.69	0.00	1.03	52.25	49.01	70.54	119.55	7.44	1.26	0.692
HC01-02	172.69	0.00	0.98	54.41	42.35	75.11	117.46	2.67	0.46	0.680
HC01-03	172.69	0.00	0.98	54.52	42.35	74.98	117.33	1.41	0.24	0.679
HC01-04	172.69	0.00	0.90	59.93	33.13	78.87	111.99	2.79	0.50	0.649
HC01-05	172.69	0.00	0.98	54.34	42.35	75.18	117.52	2.94	0.50	0.681

HC01-06	172.69	0.00	0.98	54.52	42.35	74.98	117.33	1.55	0.27	0.679
HC01-07	172.69	0.00	1.00	55.18	42.36	74.28	116.64	0.82	0.14	0.675
HC01-08	172.69	0.00	0.98	54.45	42.35	75.06	117.41	0.61	0.10	0.680
HC01-09	172.69	0.00	0.99	54.81	42.35	74.67	117.02	0.77	0.13	0.678
HC01-10	172.69	0.00	0.98	54.53	42.35	74.97	117.32	1.34	0.23	0.679
HC01-11	172.69	0.00	0.99	54.79	42.35	74.69	117.04	1.63	0.28	0.678
HC01-12	172.69	0.00	1.00	49.75	42.35	79.75	122.10	3.79	0.63	0.707
HC02-01	172.69	0.00	1.16	44.99	63.71	62.98	126.69	0.47	0.08	0.734
HC02-02	172.69	0.00	1.38	33.54	86.11	51.85	137.96	2.99	0.45	0.799
HC02-03	172.69	0.00	1.26	39.27	73.80	58.53	132.32	0.25	0.04	0.766
HC02-04	172.69	0.00	1.04	49.79	49.86	72.17	122.03	0.50	0.08	0.707
HC02-05	172.69	0.00	0.85	60.94	25.27	85.78	111.05	3.29	0.59	0.643
HC02-06	172.69	0.00	0.86	60.89	25.95	85.13	111.08	1.99	0.36	0.643
HC02-07	172.69	0.00	0.84	63.94	21.86	86.18	108.04	0.84	0.15	0.626
HC02-08	172.69	0.00	0.80	65.02	19.81	87.20	107.01	1.35	0.25	0.620
HC02-09	172.69	0.00	0.85	63.53	23.22	85.20	108.43	0.94	0.17	0.628
HC02-10	172.69	0.00	0.82	64.76	21.17	86.07	107.24	1.01	0.19	0.621
HC02-11	172.69	0.00	0.84	63.00	23.22	85.76	108.98	1.62	0.30	0.631
HC02-12	172.69	0.00	0.84	65.65	21.18	85.13	106.31	2.29	0.42	0.616
HC02-13	172.69	0.00	0.81	65.57	19.81	86.62	106.42	0.89	0.17	0.616
HC02-14	172.69	0.00	0.81	64.93	20.49	86.59	107.08	0.99	0.18	0.620
HC02-15	172.69	0.00	0.83	62.89	22.54	86.59	109.12	1.75	0.32	0.632
HC02-16	172.69	0.00	0.71	83.62	23.90	64.62	88.53	0.45	0.09	0.513
HC02-17	172.69	0.00	0.86	57.93	22.54	91.49	114.03	2.69	0.47	0.660
HC02-18	172.69	0.00	0.71	83.46	23.90	64.81	88.71	3.40	0.71	0.514
HC02-19	172.69	0.00	0.76	86.57	24.60	60.86	85.46	1.30	0.26	0.495
HC02-20	172.69	0.00	1.12	45.53	60.10	66.10	126.20	0.56	0.09	0.731
HC02-21	172.69	0.00	0.85	62.58	24.59	84.79	109.38	3.84	0.70	0.633
HC02-22	172.69	0.00	0.85	62.58	24.59	84.79	109.38	3.25	0.59	0.633
HC02-23	172.69	0.00	1.24	39.35	73.10	59.16	132.26	0.53	0.08	0.766
HC02-24	172.69	0.00	1.45	26.49	99.72	45.21	144.93	0.10	0.01	0.839
HC02-25	172.69	0.00	1.28	36.53	78.38	56.68	135.06	1.53	0.24	0.782
HC02-26	172.69	0.00	1.40	29.63	93.57	48.27	141.84	0.48	0.07	0.821
HC02-27	172.69	0.00	0.76	78.96	30.73	62.42	93.16	0.70	0.14	0.539
HC02-28	172.69	0.00	0.77	79.20	30.74	62.16	92.90	0.53	0.11	0.538
HC02-29	172.69	0.00	1.12	57.24	68.33	46.18	114.50	0.61	0.10	0.663
HC02-30	172.69	0.00	0.58	78.25	2.05	91.91	93.96	1.39	0.28	0.544
HC02-31	172.69	0.00	0.73	81.79	25.95	64.38	90.33	2.19	0.45	0.523
HC02-32	172.69	0.00	0.72	82.69	24.59	64.89	89.47	1.92	0.40	0.518
HC02-33	172.69	0.00	0.75	82.86	25.96	63.26	89.22	0.74	0.15	0.517
HC02-34	172.69	0.00	0.89	70.14	44.40	57.45	101.84	0.31	0.06	0.590
HC02-35	172.69	0.00	0.58	76.35	2.73	93.16	95.89	0.96	0.19	0.555
HC02-36	172.69	0.00	0.56	92.28	9.56	70.56	80.12	0.35	0.08	0.464
HC02-37	172.69	0.00	0.57	93.23	8.88	70.23	79.11	0.80	0.18	0.458
HC02-38	172.69	0.00	0.85	63.58	23.22	85.15	108.37	3.37	0.61	0.628
HC02-39	172.69	0.00	0.86	67.79	19.81	84.32	104.13	0.92	0.17	0.603
HC03-01	172.69	0.00	1.13	44.66	54.65	72.39	127.05	2.85	0.46	0.736
HC03-02	172.69	0.00	0.85	60.57	25.95	85.48	111.43	0.89	0.16	0.645
HC03-03	172.69	0.00	0.89	57.60	32.10	82.32	114.42	0.15	0.03	0.663
HC03-04	172.69	0.00	0.91	58.09	32.10	81.74	113.84	1.17	0.21	0.659
HC03-05	172.69	0.00	1.15	43.82	62.84	65.06	127.90	0.42	0.07	0.741
HC03-06	172.69	0.00	0.83	62.32	23.56	86.14	109.70	5.66	1.03	0.635
HC03-07	172.69	0.00	0.86	60.86	25.95	85.16	111.11	2.01	0.36	0.643
HC03-08	172.69	0.00	0.72	82.79	26.46	62.90	89.37	3.90	0.81	0.518
HC03-09	172.69	0.00	0.85	76.15	39.79	56.06	95.85	1.86	0.36	0.555
HC03-10	172.69	0.00	0.68	86.59	20.49	65.10	85.59	1.45	0.31	0.496
HC03-11	172.69	0.00	0.74	82.11	28.17	61.84	90.02	2.26	0.46	0.521

HC03-12	172.69	0.00	0.73	85.50	23.91	62.68	86.59	1.02	0.21	0.501
HC03-13	172.69	0.00	0.78	78.18	32.10	61.78	93.88	0.36	0.07	0.544
HC03-14	172.69	0.00	1.41	35.63	99.76	36.07	135.84	0.18	0.03	0.787
HC03-15	172.69	0.00	0.71	84.25	23.22	64.67	87.89	0.54	0.11	0.509
HC03-16	172.69	0.00	0.82	76.10	36.20	59.72	95.92	0.30	0.06	0.555
HC03-17	172.69	0.00	1.15	43.78	62.84	65.11	127.95	0.15	0.02	0.741
HC03-18	172.69	0.00	1.53	22.97	109.30	39.06	148.36	0.15	0.02	0.859
HC03-19	172.69	0.00	0.75	67.44	14.34	90.38	104.72	8.25	1.55	0.606
HC03-20	172.69	0.00	0.69	73.26	4.10	94.77	98.87	1.48	0.29	0.573
HC04-01	172.69	0.00	0.94	55.96	30.74	85.17	115.91	4.16	0.72	0.671
HC04-02	172.69	0.00	0.70	85.26	23.73	63.15	86.89	0.57	0.12	0.503
HC04-03	172.69	0.00	0.72	84.55	25.44	62.12	87.57	1.05	0.22	0.507
HC04-04	172.69	0.00	0.94	56.29	30.74	84.83	115.57	6.10	1.06	0.669
HC04-05	172.69	0.00	0.76	80.47	30.05	61.58	91.64	0.57	0.12	0.531
HC04-06	172.69	0.00	0.77	81.45	30.06	60.56	90.61	0.97	0.20	0.525
HC04-07	172.69	0.00	1.09	58.16	65.59	48.01	113.60	0.10	0.02	0.658
HC04-08	172.69	0.00	0.74	83.64	26.47	62.00	88.47	0.30	0.06	0.512
HC04-09	172.69	0.00	0.77	81.15	30.05	60.86	90.92	0.48	0.10	0.526
HC04-10	172.69	0.00	0.78	81.56	30.06	60.44	90.49	0.56	0.11	0.524
HC04-11	172.69	0.00	0.74	83.02	28.52	60.60	89.11	0.81	0.17	0.516
HC04-12	172.69	0.00	0.70	85.69	22.54	63.90	86.44	1.90	0.40	0.501
HC04-13	172.69	0.00	0.74	82.18	25.95	63.96	89.92	0.27	0.06	0.521
HC04-14	172.69	0.00	0.87	64.01	23.91	84.01	107.92	3.01	0.55	0.625
HC04-15	172.69	0.00	0.84	62.84	23.90	85.23	109.13	4.27	0.78	0.632
HC04-16	172.69	0.00	0.86	61.03	25.95	84.98	110.93	0.51	0.09	0.642
HC04-17	172.69	0.00	0.89	59.84	30.05	82.06	112.11	2.53	0.45	0.649
HC04-18	172.69	0.00	0.95	57.91	36.04	77.92	113.96	0.30	0.05	0.660
HC04-19	172.69	0.00	0.81	64.82	20.49	86.71	107.20	1.39	0.26	0.621
HC04-20	172.69	0.00	0.80	64.50	20.49	87.06	107.55	0.60	0.11	0.623
HC04-21	172.69	0.00	0.88	59.84	29.37	82.77	112.13	0.17	0.03	0.649
HC04-22	172.69	0.00	0.91	58.60	32.78	80.55	113.33	0.26	0.05	0.656
HC04-23	172.69	0.00	0.87	59.97	30.05	82.01	112.06	0.63	0.11	0.649
HC04-24	172.69	0.00	0.83	61.74	24.59	85.71	110.30	0.14	0.03	0.639
HC04-25	172.69	0.00	0.86	57.48	23.22	91.27	114.49	0.89	0.16	0.663
HC04-26	172.69	0.00	0.74	89.84	21.87	60.35	82.21	0.61	0.12	0.476
HC04-27	172.69	0.00	0.79	65.65	18.44	87.94	106.38	0.38	0.07	0.616
HC04-28	172.69	0.00	0.74	82.11	25.95	64.03	89.99	0.66	0.14	0.521
HC04-29	172.69	0.00	0.87	57.66	23.22	91.08	114.30	4.14	0.73	0.662
HC04-30	172.69	0.00	0.87	57.28	23.90	90.78	114.68	2.22	0.39	0.664
HC04-31	172.69	0.00	0.93	69.13	47.82	54.98	102.80	0.49	0.09	0.595
HC04-32	172.69	0.00	0.74	82.45	25.96	63.69	89.65	0.30	0.06	0.519
HC04-33	172.69	0.00	0.71	84.45	23.22	64.47	87.69	0.99	0.21	0.508
HC04-34	172.69	0.00	0.59	93.95	9.56	68.76	78.32	1.21	0.28	0.454
HC04-35	172.69	0.00	0.71	84.77	23.22	64.13	87.35	0.43	0.09	0.506
HC04-36	172.69	0.00	1.11	43.45	55.50	72.81	128.30	3.76	0.60	0.743
HC05-01	172.69	0.00	0.82	58.84	20.49	92.71	113.20	6.78	1.20	0.655
HC05-02	172.69	0.00	0.84	58.81	21.17	92.03	113.20	3.66	0.65	0.655
HC05-03	172.69	0.00	1.67	16.50	129.77	24.89	154.66	0.17	0.02	0.896
HC05-04	172.69	0.00	0.66	87.97	19.12	65.10	84.22	0.41	0.09	0.488
HC05-05	172.69	0.00	0.75	82.65	25.62	63.80	89.41	0.82	0.17	0.518
HC05-06	172.69	0.00	0.75	80.97	28.69	62.44	91.13	0.38	0.08	0.528
HC05-07	172.69	0.00	0.70	85.25	22.54	64.35	86.89	0.63	0.13	0.503
HC05-08	172.69	0.00	0.71	84.79	23.22	64.11	87.33	1.92	0.40	0.506
HC05-09	172.69	0.00	0.73	87.62	22.54	61.91	84.46	0.23	0.05	0.489
HC05-10	172.69	0.00	0.76	79.21	30.05	62.88	92.93	0.33	0.07	0.538
HC05-11	172.69	0.00	0.57	93.43	8.88	70.02	78.90	2.50	0.57	0.457
HC06-01	172.69	0.00	0.86	60.97	25.95	85.04	111.00	0.36	0.06	0.643

HC06-02	172.69	0.00	0.88	62.19	25.28	84.46	109.74	0.71	0.13	0.635
HC06-03	172.69	0.00	0.71	79.10	0.00	92.97	92.97	1.39	0.26	0.538
HC06-04	172.69	0.00	0.67	76.60	0.68	94.84	95.52	1.06	0.21	0.553
HC06-05	172.69	0.00	0.80	65.02	18.44	88.56	107.00	0.37	0.07	0.620
HC06-06	172.69	0.00	0.82	63.28	21.85	86.88	108.74	1.71	0.31	0.630
HC06-07	172.69	0.00	0.82	58.54	19.12	94.41	113.53	0.45	0.08	0.657
HC06-08	172.69	0.00	0.84	61.86	24.59	85.57	110.15	4.57	0.83	0.638
HC06-09	172.69	0.00	0.81	62.74	22.20	87.12	109.32	2.85	0.52	0.633
HC06-10	172.69	0.00	0.82	63.13	21.85	87.05	108.90	2.61	0.48	0.631
HC06-11	172.69	0.00	0.91	53.82	30.05	88.08	118.13	0.26	0.04	0.684
HC06-12	172.69	0.00	1.01	49.05	42.35	80.45	122.80	0.25	0.04	0.711
HC06-13	172.69	0.00	1.28	43.28	87.44	40.86	128.30	0.36	0.06	0.743
HC06-14	172.69	0.00	0.89	67.68	39.28	64.97	104.25	1.89	0.35	0.604
HC06-15	172.69	0.00	1.77	11.44	136.66	23.01	159.67	0.19	0.03	0.925
HC06-16	172.69	0.00	1.56	24.80	114.45	32.07	146.52	0.41	0.06	0.848
HC06-17	172.69	0.00	0.88	69.75	37.57	64.62	102.20	1.57	0.30	0.592
HC06-18	172.69	0.00	1.37	39.33	94.64	37.54	132.18	3.52	0.54	0.765
HC06-19	172.69	0.00	1.74	11.39	136.60	23.07	159.67	0.05	0.01	0.925
HC06-20	172.69	0.00	1.76	11.43	136.65	23.03	159.68	0.34	0.05	0.925
HC06-21	172.69	0.00	1.64	26.94	114.40	29.88	144.29	1.83	0.27	0.836
HC06-22	172.69	0.00	1.75	11.40	136.61	23.06	159.67	0.10	0.01	0.925
HC06-23	172.69	0.00	1.64	23.38	119.58	28.30	147.88	2.22	0.32	0.856
HC06-24	172.69	0.00	1.75	11.40	136.63	23.05	159.68	0.19	0.03	0.925
HC06-25	172.69	0.00	0.91	53.75	30.05	88.15	118.21	3.96	0.68	0.684
HC06-26	172.69	0.00	0.89	73.00	43.72	55.22	98.95	2.61	0.50	0.573
HC06-27	172.69	0.00	1.68	16.52	129.80	24.85	154.65	0.25	0.03	0.896
HC06-28	172.69	0.00	1.82	11.54	136.67	22.88	159.55	0.32	0.04	0.924
HC06-29	172.69	0.00	0.80	63.38	13.66	94.98	108.64	1.35	0.25	0.629
HC06-30	172.69	0.00	1.33	33.14	81.99	56.40	138.39	0.46	0.07	0.801
HC06-31	172.69	0.00	0.56	75.56	2.73	94.02	96.75	1.75	0.35	0.560
HC06-32	172.69	0.00	0.59	95.42	8.88	67.93	76.81	1.04	0.24	0.445
HC07-01	172.69	0.00	0.79	82.79	29.38	59.86	89.24	2.70	0.55	0.517
HC07-02	172.69	0.00	0.79	80.17	32.11	59.77	91.88	1.06	0.21	0.532
HC07-03	172.69	0.00	0.73	81.92	25.95	64.27	90.22	0.33	0.07	0.522
HC07-04	172.69	0.00	0.69	86.85	19.81	65.49	85.30	0.29	0.06	0.494
HC07-05	172.69	0.00	0.77	86.72	25.97	59.34	85.31	0.25	0.05	0.494
HC07-06	172.69	0.00	0.74	86.08	23.91	62.08	85.99	1.77	0.37	0.498
HC07-07	172.69	0.00	0.71	84.97	23.91	63.24	87.15	0.33	0.07	0.505
HC07-08	172.69	0.00	1.45	41.99	98.37	31.06	129.43	0.25	0.04	0.750
HC07-09	172.69	0.00	0.79	63.02	30.05	79.01	109.06	0.27	0.05	0.632
HC08-01	172.69	0.00	0.92	55.41	29.37	87.12	116.50	0.80	0.14	0.675
HC08-02	172.69	0.00	0.95	54.15	32.11	85.60	117.71	2.73	0.47	0.682
HC08-03	172.69	0.00	0.75	83.12	25.96	62.99	88.95	1.78	0.37	0.515
HC08-04	172.69	0.00	0.86	60.85	19.81	91.28	111.09	0.77	0.14	0.643
HC08-05	172.69	0.00	0.90	55.32	25.95	90.65	116.60	0.76	0.13	0.675
HC08-06	172.69	0.00	0.87	57.64	23.91	90.40	114.30	1.35	0.24	0.662
HC08-07	172.69	0.00	0.87	57.51	23.90	90.53	114.43	0.63	0.11	0.663
HC08-08	172.69	0.00	1.49	25.29	98.40	47.69	146.09	0.60	0.09	0.846
HC08-09	172.69	0.00	0.95	53.65	30.06	88.15	118.21	2.10	0.36	0.684
HC08-10	172.69	0.00	0.69	66.56	2.73	102.89	105.62	1.39	0.26	0.612
HC09-01	172.69	0.00	0.82	81.44	34.16	56.40	90.56	0.86	0.17	0.524
HC09-02	172.69	0.00	0.71	86.34	23.90	61.89	85.80	0.88	0.19	0.497
HC09-03	172.69	0.00	0.74	84.47	25.96	61.66	87.61	0.85	0.18	0.507
HC09-04	172.69	0.00	0.67	88.28	19.12	64.77	83.89	2.13	0.46	0.486
HC09-05	172.69	0.00	0.69	86.63	21.17	64.35	85.52	2.22	0.48	0.495
HC09-06	172.69	0.00	0.68	86.95	20.49	64.73	85.22	1.05	0.22	0.493
HC09-07	172.69	0.00	0.62	90.19	13.66	68.37	82.03	0.39	0.09	0.475

HC10-01	172.69	0.00	0.68	87.57	21.00	63.59	84.59	3.78	0.81	0.490
HC10-02	172.69	0.00	0.94	69.21	48.34	54.35	102.69	2.60	0.48	0.595
HC10-03	172.69	0.00	0.93	72.26	45.95	53.69	99.64	1.85	0.35	0.577
HC10-04	172.69	0.00	0.73	83.21	26.47	62.45	88.91	1.64	0.34	0.515
HC10-05	172.69	0.00	0.73	86.72	24.25	61.11	85.37	2.06	0.43	0.494
HC10-06	172.69	0.00	0.70	87.33	21.17	63.62	84.79	1.13	0.24	0.491
HC10-07	172.69	0.00	0.75	82.48	28.17	61.44	89.62	1.53	0.32	0.519
HC10-08	172.69	0.00	0.71	83.54	25.44	63.22	88.66	1.06	0.22	0.513
HC10-09	172.69	0.00	0.69	87.32	20.83	63.99	84.82	1.18	0.25	0.491
HC10-10	172.69	0.00	0.71	84.01	25.44	62.71	88.15	0.25	0.05	0.510
HC10-11	172.69	0.00	0.78	78.15	33.29	60.67	93.97	0.25	0.05	0.544
HC10-12	172.69	0.00	0.58	75.30	4.10	92.86	96.96	0.87	0.17	0.561
HC10-13	172.69	0.00	0.75	83.83	27.33	60.92	88.24	0.52	0.11	0.511
HC10-14	172.69	0.00	0.74	82.48	27.83	61.80	89.63	0.41	0.09	0.519
HC10-15	172.69	0.00	0.74	81.90	28.17	62.06	90.23	0.36	0.07	0.523

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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
1	JUNCTION	0.04	0.95	333.59	0 05:15	0.95
11	JUNCTION	0.40	1.56	318.17	0 08:08	1.56
12	JUNCTION	0.42	1.72	317.22	0 08:50	1.72
13	JUNCTION	0.58	2.26	316.76	0 10:50	2.26
14	JUNCTION	0.05	0.69	331.79	0 05:15	0.69
15	JUNCTION	0.71	2.53	316.48	0 10:25	2.48
17	JUNCTION	0.41	1.35	313.35	0 13:20	1.35
18	JUNCTION	0.09	1.61	324.11	0 05:03	1.60
19	JUNCTION	0.03	0.66	324.16	0 05:20	0.66
2	JUNCTION	0.12	2.69	326.69	0 05:15	2.69
20	JUNCTION	0.07	0.80	330.90	0 05:16	0.80
21	JUNCTION	0.25	1.03	322.13	0 05:15	1.02
22	JUNCTION	0.11	1.89	323.39	0 05:17	1.89
24	JUNCTION	0.25	2.89	323.39	0 05:16	2.89
25	JUNCTION	0.13	2.29	323.39	0 05:17	2.29
26	JUNCTION	0.00	0.11	328.04	0 05:11	0.11
27	JUNCTION	0.07	1.54	328.04	0 05:15	1.54
28	JUNCTION	0.19	1.28	327.38	0 05:15	1.27
29	JUNCTION	0.09	0.90	324.80	0 06:07	0.90
3	JUNCTION	0.08	1.24	331.81	0 05:15	1.24
30	JUNCTION	0.20	0.80	321.30	0 07:18	0.80
31	JUNCTION	0.18	0.72	320.86	0 07:18	0.72
32	JUNCTION	0.21	0.82	319.82	0 07:20	0.82
34	JUNCTION	0.21	0.93	318.79	0 05:19	0.91
35	JUNCTION	0.22	0.92	318.42	0 05:29	0.91
36	JUNCTION	0.22	1.07	316.57	0 10:48	1.06
37	JUNCTION	0.04	0.82	324.92	0 05:16	0.82
39	JUNCTION	0.41	1.81	323.11	0 08:59	1.81
4	JUNCTION	0.01	0.25	325.25	0 05:15	0.25
40	JUNCTION	0.17	1.44	320.54	0 05:15	1.44
42	JUNCTION	0.11	1.23	323.33	0 05:24	1.23

48	JUNCTION	0.12	1.45	326.05	0	05:15	1.45
49	JUNCTION	0.37	1.75	323.35	0	08:50	1.75
5	JUNCTION	0.09	0.83	330.33	0	07:30	0.83
50	JUNCTION	0.26	1.06	319.16	0	06:15	1.06
53	JUNCTION	0.68	2.38	316.48	0	10:51	2.38
54	JUNCTION	0.58	1.91	315.83	0	12:12	1.90
56	JUNCTION	0.82	2.47	303.57	0	13:29	2.47
6	JUNCTION	0.09	1.25	330.25	0	05:15	1.25
7	JUNCTION	0.48	1.99	320.09	0	07:10	1.99
8	JUNCTION	0.31	3.71	324.67	0	05:13	3.70
9	JUNCTION	0.25	2.97	323.37	0	05:14	2.95
MHEasement1	JUNCTION	0.01	0.37	319.44	0	05:15	0.37
MHEasement2	JUNCTION	0.06	0.62	319.32	0	05:15	0.62
MHSchool	JUNCTION	0.03	0.78	329.33	0	05:15	0.78
MHSWM4	JUNCTION	0.04	1.11	320.36	0	05:14	1.11
PWOPRMHS0001369	JUNCTION	0.03	0.56	319.95	0	05:15	0.56
PWOPRMHS0001370	JUNCTION	0.01	0.32	319.59	0	05:15	0.32
PWOPRMHS0001371	JUNCTION	0.01	0.17	319.99	0	05:15	0.17
PWOPRMHS0001372	JUNCTION	0.00	0.00	320.15	0	00:00	0.00
PWOPRMHS0001373	JUNCTION	0.01	0.19	320.21	0	05:15	0.19
PWOPRMHS0001374	JUNCTION	0.01	0.29	319.98	0	05:15	0.29
PWOPRMHS0001375	JUNCTION	0.01	0.31	319.88	0	05:15	0.31
PWOPRMHS0001386	JUNCTION	0.08	0.69	319.30	0	05:15	0.69
PWOPRMHS0001387	JUNCTION	0.05	0.83	319.58	0	05:15	0.83
PWOPRMHS0001388	JUNCTION	0.03	0.67	319.60	0	05:15	0.67
PWOPRMHS0001389	JUNCTION	0.02	0.57	319.70	0	05:15	0.57
PWOPRMHS0001390	JUNCTION	0.01	0.21	317.70	0	05:15	0.21
PWOPRMHS0001391	JUNCTION	0.01	0.27	317.54	0	05:15	0.27
PWOPRMHS0001392	JUNCTION	0.01	0.15	318.33	0	05:15	0.15
PWOPRMHS0001393	JUNCTION	0.02	0.50	320.69	0	05:15	0.50
PWOPRMHS0001394	JUNCTION	0.01	0.30	317.16	0	05:15	0.30
PWOPRMHS0001395	JUNCTION	0.01	0.31	317.10	0	05:15	0.31
PWOPRMHS0001398	JUNCTION	0.01	0.32	317.59	0	05:15	0.32
PWOPRMHS0001399	JUNCTION	0.01	0.31	317.46	0	05:15	0.31
PWOPRMHS0001400	JUNCTION	0.01	0.32	317.31	0	05:15	0.32
PWOPRMHS0001401	JUNCTION	0.01	0.25	316.92	0	05:15	0.25
PWOPRMHS0001402	JUNCTION	0.02	0.37	316.87	0	05:15	0.37
PWOPRMHS0001403	JUNCTION	0.02	0.51	322.21	0	05:15	0.51
PWOPRMHS0001404	JUNCTION	0.02	0.43	320.97	0	05:15	0.43
PWOPRMHS0001408	JUNCTION	0.02	0.41	321.24	0	05:15	0.41
PWOPRMHS0001409	JUNCTION	0.01	0.17	327.98	0	05:15	0.17
PWOPRMHS0001410	JUNCTION	0.04	0.96	327.43	0	05:15	0.96
PWOPRMHS0001411	JUNCTION	0.01	0.27	327.74	0	05:15	0.27
PWOPRMHS0001412	JUNCTION	0.01	0.18	331.87	0	05:15	0.18
PWOPRMHS0001413	JUNCTION	0.02	0.36	332.10	0	05:15	0.36
PWOPRMHS0001415	JUNCTION	0.02	0.56	320.24	0	05:15	0.56
PWOPRMHS0001416	JUNCTION	0.05	1.38	320.37	0	05:14	1.38
PWOPRMHS0001418	JUNCTION	0.05	1.55	320.28	0	05:15	1.54
PWOPRMHS0001419	JUNCTION	0.01	0.24	320.23	0	05:15	0.24
PWOPRMHS0001420	JUNCTION	0.01	0.21	320.71	0	05:15	0.21
PWOPRMHS0001421	JUNCTION	0.01	0.19	321.13	0	05:15	0.19
PWOPRMHS0001422	JUNCTION	0.01	0.31	320.59	0	05:15	0.31
PWOPRMHS0001423	JUNCTION	0.01	0.27	320.70	0	05:15	0.27
PWOPRMHS0001424	JUNCTION	0.01	0.23	321.19	0	05:15	0.23
PWOPRMHS0001428	JUNCTION	0.00	0.00	323.21	0	00:00	0.00
PWOPRMHS0001429	JUNCTION	0.01	0.19	321.54	0	05:15	0.19
PWOPRMHS0001430	JUNCTION	0.00	0.00	321.23	0	00:00	0.00

PWOPRMHS0001431	JUNCTION	0.00	0.00	323.01	0	00:00	0.00
PWOPRMHS0001433	JUNCTION	0.01	0.70	320.48	0	05:14	0.61
PWOPRMHS0001435	JUNCTION	0.01	0.11	319.75	0	05:15	0.11
PWOPRMHS0001436	JUNCTION	0.06	1.74	320.09	0	05:15	1.73
PWOPRMHS0001437	JUNCTION	0.02	0.71	320.09	0	05:15	0.71
PWOPRMHS0001438	JUNCTION	0.06	1.47	319.67	0	05:15	1.47
PWOPRMHS0001467	JUNCTION	0.01	0.31	321.23	0	05:15	0.31
PWOPRMHS0001597	JUNCTION	0.00	0.25	325.03	0	05:14	0.25
PWOPRMHS0001598	JUNCTION	0.02	0.39	325.88	0	05:15	0.39
PWOPRMHS0001600	JUNCTION	0.02	0.37	325.03	0	05:15	0.37
PWOPRMHS0001601	JUNCTION	0.01	0.24	326.39	0	05:15	0.24
PWOPRMHS0001602	JUNCTION	0.01	0.25	326.23	0	05:15	0.25
PWOPRMHS0001603	JUNCTION	0.02	0.81	325.04	0	05:15	0.81
PWOPRMHS0001604	JUNCTION	0.03	1.08	325.03	0	05:15	1.08
PWOPRMHS0001605	JUNCTION	0.02	0.69	325.03	0	05:15	0.69
PWOPRMHS0001606	JUNCTION	0.05	1.46	325.03	0	05:15	1.46
PWOPRMHS0001608	JUNCTION	0.05	1.27	326.94	0	05:15	1.27
PWOPRMHS0001610	JUNCTION	0.02	0.42	325.86	0	05:15	0.42
PWOPRMHS0001611	JUNCTION	0.04	1.64	324.51	0	05:12	1.49
PWOPRMHS0001614	JUNCTION	0.05	1.37	324.28	0	05:15	1.21
PWOPRMHS0001622	JUNCTION	0.01	0.10	332.83	0	05:15	0.10
PWOPRMHS0001624	JUNCTION	0.01	0.29	331.21	0	05:15	0.29
PWOPRMHS0001625	JUNCTION	0.01	0.31	330.92	0	05:15	0.31
PWOPRMHS0001626	JUNCTION	0.25	0.46	331.46	0	05:15	0.46
PWOPRMHS0001634	JUNCTION	0.04	0.87	327.08	0	05:15	0.87
PWOPRMHS0001642	JUNCTION	0.02	1.41	324.68	0	05:02	1.29
PWOPRMHS0001643	JUNCTION	0.02	0.74	324.12	0	04:58	0.68
PWOPRMHS0001649	JUNCTION	0.01	0.29	329.50	0	05:15	0.29
PWOPRMHS0001650	JUNCTION	0.01	0.29	329.86	0	05:15	0.29
PWOPRMHS0001651	JUNCTION	0.01	0.25	330.53	0	05:15	0.25
PWOPRMHS0001652	JUNCTION	0.01	0.33	327.22	0	05:15	0.33
PWOPRMHS0001653	JUNCTION	0.02	0.41	325.65	0	05:15	0.41
PWOPRMHS0001654	JUNCTION	0.02	0.37	325.28	0	05:15	0.37
PWOPRMHS0001655	JUNCTION	0.01	0.12	330.12	0	05:15	0.12
PWOPRMHS0001657	JUNCTION	0.02	0.73	325.31	0	05:15	0.73
PWOPRMHS0001658	JUNCTION	0.01	0.41	325.33	0	05:15	0.41
PWOPRMHS0001659	JUNCTION	0.02	0.37	325.68	0	05:15	0.37
PWOPRMHS0001660	JUNCTION	0.03	0.91	325.01	0	05:15	0.91
PWOPRMHS0001661B	JUNCTION	0.03	0.99	325.30	0	05:15	0.99
PWOPRMHS0001662	JUNCTION	0.03	0.76	324.71	0	05:15	0.76
PWOPRMHS0001663	JUNCTION	0.05	1.22	325.28	0	05:15	1.22
PWOPRMHS0001664	JUNCTION	0.01	0.31	326.66	0	05:15	0.31
PWOPRMHS0001667	JUNCTION	0.07	1.67	324.82	0	05:15	1.67
PWOPRMHS0001670	JUNCTION	0.03	0.83	323.75	0	05:14	0.83
PWOPRMHS0001674	JUNCTION	0.04	0.94	326.82	0	05:15	0.94
PWOPRMHS0001676	JUNCTION	0.03	0.69	327.02	0	05:15	0.69
PWOPRMHS0001677	JUNCTION	0.02	0.58	327.17	0	05:15	0.58
PWOPRMHS0001678	JUNCTION	0.01	0.22	327.23	0	05:15	0.22
PWOPRMHS0001679	JUNCTION	0.02	0.42	336.31	0	05:15	0.42
PWOPRMHS0001680	JUNCTION	0.02	0.55	335.61	0	05:15	0.55
PWOPRMHS0001682	JUNCTION	0.02	0.51	328.61	0	05:15	0.51
PWOPRMHS0001686	JUNCTION	0.02	0.66	329.21	0	05:15	0.66
PWOPRMHS0001687	JUNCTION	0.05	1.25	327.65	0	05:15	1.25
PWOPRMHS0001688	JUNCTION	0.05	1.39	327.49	0	05:15	1.39
PWOPRMHS0001689	JUNCTION	0.05	1.29	327.90	0	05:15	1.29
PWOPRMHS0001690	JUNCTION	0.05	1.32	328.06	0	05:15	1.32
PWOPRMHS0001691	JUNCTION	0.04	1.21	328.19	0	05:15	1.21

PWOPRMHS0001692	JUNCTION	0.04	1.01	328.58	0	05:15	1.01
PWOPRMHS0001695	JUNCTION	0.03	1.12	323.37	0	05:13	1.11
PWOPRMHS0001697	JUNCTION	0.01	0.32	324.23	0	05:15	0.32
PWOPRMHS0001705	JUNCTION	0.01	0.16	328.69	0	05:15	0.16
PWOPRMHS0001706	JUNCTION	0.02	0.37	327.51	0	05:15	0.37
PWOPRMHS0001713	JUNCTION	0.03	0.66	326.17	0	05:15	0.66
PWOPRMHS0001729	JUNCTION	0.02	0.53	329.61	0	05:15	0.53
PWOPRMHS0001732	JUNCTION	0.02	0.54	329.52	0	05:15	0.54
PWOPRMHS0001733	JUNCTION	0.01	0.19	324.24	0	05:11	0.18
PWOPRMHS0001736	JUNCTION	0.02	0.77	324.17	0	05:05	0.77
PWOPRMHS0001739	JUNCTION	0.02	0.55	329.44	0	05:15	0.55
PWOPRMHS0001740	JUNCTION	0.02	0.61	329.33	0	05:15	0.61
PWOPRMHS0001741	JUNCTION	0.01	0.14	329.62	0	05:15	0.14
PWOPRMHS0001743	JUNCTION	0.04	1.12	328.41	0	05:15	1.12
PWOPRMHS0001744	JUNCTION	0.04	1.09	328.82	0	05:15	1.09
PWOPRMHS0001745	JUNCTION	0.04	1.07	329.13	0	05:15	1.07
PWOPRMHS0001746	JUNCTION	0.04	1.08	329.01	0	05:15	1.08
PWOPRMHS0001761	JUNCTION	0.00	0.00	329.15	0	00:00	0.00
PWOPRMHS0001764	JUNCTION	0.02	0.57	328.03	0	05:15	0.57
PWOPRMHS0001765	JUNCTION	0.02	0.37	328.41	0	05:15	0.37
PWOPRMHS0001766	JUNCTION	0.00	0.09	328.41	0	05:15	0.09
PWOPRMHS0001767	JUNCTION	0.02	0.57	327.82	0	05:15	0.57
PWOPRMHS0001768	JUNCTION	0.01	0.25	328.10	0	05:15	0.25
PWOPRMHS0001788	JUNCTION	0.03	0.80	323.74	0	05:15	0.80
PWOPRMHS0001791	JUNCTION	0.04	1.09	326.68	0	05:15	1.09
PWOPRMHS0001792	JUNCTION	0.04	0.92	326.16	0	05:15	0.92
PWOPRMHS0001796	JUNCTION	0.00	0.00	326.65	0	00:00	0.00
PWOPRMHS0001797	JUNCTION	0.01	0.25	326.65	0	05:15	0.25
PWOPRMHS0001798	JUNCTION	0.01	0.26	326.32	0	05:15	0.26
PWOPRMHS0001804	JUNCTION	0.00	0.08	332.06	0	05:15	0.08
PWOPRMHS0001836	JUNCTION	0.03	0.78	325.34	0	05:15	0.78
PWOPRMHS0001855	JUNCTION	0.02	0.34	326.55	0	05:15	0.34
PWOPRMHS0001856	JUNCTION	0.02	0.60	328.33	0	05:15	0.60
PWOPRMHS0001857	JUNCTION	0.02	0.34	322.77	0	05:15	0.34
PWOPRMHS0001858	JUNCTION	0.02	0.45	330.38	0	05:15	0.45
PWOPRMHS0001867	JUNCTION	0.01	0.15	332.09	0	05:15	0.15
PWOPRMHS0001874	JUNCTION	0.01	0.14	330.01	0	05:15	0.14
PWOPRMHS0001878	JUNCTION	0.02	0.89	324.17	0	05:05	0.84
PWOPRMHS0001879	JUNCTION	0.03	1.59	324.63	0	05:15	1.46
PWOPRMHS0001881	JUNCTION	0.01	0.52	324.09	0	05:06	0.44
PWOPRMHS0001889	JUNCTION	0.03	0.80	325.43	0	05:15	0.80
PWOPRMHS0001890	JUNCTION	0.03	0.76	325.28	0	05:15	0.76
PWOPRMHS0001891	JUNCTION	0.01	0.15	325.25	0	05:15	0.15
PWOPRMHS0001894	JUNCTION	0.03	0.84	325.07	0	05:15	0.84
PWOPRMHS0001903	JUNCTION	0.01	0.23	332.95	0	05:15	0.23
PWOPRMHS0001904	JUNCTION	0.02	0.39	330.83	0	05:15	0.39
PWOPRMHS0001906	JUNCTION	0.02	0.46	319.26	0	05:15	0.46
PWOPRMHS0001907	JUNCTION	0.02	0.48	319.31	0	05:15	0.48
PWOPRMHS0001908	JUNCTION	0.01	0.23	319.78	0	05:15	0.23
PWOPRMHS0001911	JUNCTION	0.02	0.47	318.96	0	05:15	0.47
PWOPRMHS0001912	JUNCTION	0.11	1.14	318.65	0	05:15	1.14
PWOPRMHS0001914	JUNCTION	0.01	0.23	332.06	0	05:15	0.23
PWOPRMHS0001915	JUNCTION	0.02	0.38	329.57	0	05:15	0.38
PWOPRMHS0001916	JUNCTION	0.02	0.47	328.06	0	05:15	0.47
PWOPRMHS0001917	JUNCTION	0.01	0.37	319.61	0	05:15	0.37
PWOPRMHS0001918	JUNCTION	0.07	1.49	319.30	0	05:15	1.49
PWOPRMHS0001919	JUNCTION	0.01	0.41	328.21	0	05:15	0.41

PWOPRMHS0001925	JUNCTION	0.02	0.47	323.80	0	05:11	0.47
PWOPRMHS0001926	JUNCTION	0.02	0.72	323.41	0	05:15	0.72
PWOPRMHS0001927	JUNCTION	0.01	0.22	323.73	0	05:15	0.22
PWOPRMHS0001928	JUNCTION	0.04	1.19	323.39	0	05:15	1.19
PWOPRMHS0001929	JUNCTION	0.02	0.34	324.19	0	05:15	0.34
PWOPRMHS0001930	JUNCTION	0.02	0.50	323.57	0	04:45	0.50
PWOPRMHS0001931	JUNCTION	0.01	0.28	325.27	0	05:15	0.28
PWOPRMHS0001932	JUNCTION	0.02	0.40	325.71	0	05:15	0.40
PWOPRMHS0001933	JUNCTION	0.02	0.39	326.05	0	05:15	0.39
PWOPRMHS0001935	JUNCTION	0.02	0.34	326.37	0	05:15	0.34
PWOPRMHS0001937	JUNCTION	0.01	0.32	324.60	0	05:15	0.32
PWOPRMHS0001939	JUNCTION	0.01	0.15	327.66	0	05:15	0.15
PWOPRMHS0001941	JUNCTION	0.00	0.00	326.79	0	00:00	0.00
PWOPRMHS0001943	JUNCTION	0.02	0.33	326.75	0	05:15	0.33
PWOPRMHS0001944	JUNCTION	0.03	0.78	323.42	0	05:15	0.78
PWOPRMHS0001945	JUNCTION	0.00	0.11	323.43	0	05:15	0.10
PWOPRMHS0001947	JUNCTION	0.01	0.14	324.16	0	05:15	0.14
PWOPRMHS0002041	JUNCTION	0.02	0.38	329.45	0	05:15	0.38
PWOPRMHS0002042	JUNCTION	0.02	0.39	329.95	0	05:15	0.39
PWOPRMHS0002046	JUNCTION	0.00	0.09	330.81	0	05:15	0.09
PWOPRMHS0002050	JUNCTION	0.01	0.33	329.30	0	05:15	0.33
PWOPRMHS0002051	JUNCTION	0.04	1.00	329.27	0	05:15	1.00
PWOPRMHS0002080	JUNCTION	0.01	0.26	325.49	0	05:15	0.26
PWOPRMHS0002082	JUNCTION	0.01	0.29	327.00	0	05:15	0.29
PWOPRMHS0002083	JUNCTION	0.02	0.42	325.74	0	05:15	0.42
PWOPRMHS0002084	JUNCTION	0.02	0.65	325.62	0	05:15	0.65
PWOPRMHS0002085	JUNCTION	0.01	0.15	329.54	0	05:15	0.15
PWOPRMHS0002095	JUNCTION	0.01	0.18	336.22	0	05:15	0.18
PWOPRMHS0003136	JUNCTION	0.03	0.74	329.63	0	05:15	0.74
PWOPRMHS0003137	JUNCTION	0.02	0.58	330.08	0	05:15	0.58
PWOPRMHS0003140	JUNCTION	0.00	0.00	327.35	0	00:00	0.00
PWOPRMHS0003146	JUNCTION	0.03	0.76	335.36	0	05:15	0.76
PWOPRMHS0003147	JUNCTION	0.02	0.43	334.22	0	05:15	0.43
PWOPRMHS0003148	JUNCTION	0.02	0.62	332.51	0	05:15	0.62
PWOPRMHS0003149	JUNCTION	0.02	0.48	331.34	0	05:15	0.48
PWOPRMHS0003153	JUNCTION	0.01	0.39	336.55	0	05:15	0.39
PWOPRMHS0003160	JUNCTION	0.01	0.21	335.71	0	05:15	0.21
PWOPRMHS0004129	JUNCTION	0.01	0.34	329.41	0	05:15	0.34
PWOPRMHS0004130	JUNCTION	0.02	0.49	329.32	0	05:15	0.49
PWOPRMHS0004131	JUNCTION	0.02	0.41	328.98	0	05:15	0.41
PWOPRMHS0004132	JUNCTION	0.02	0.56	328.69	0	05:15	0.56
PWOPRMHS0004133	JUNCTION	0.02	0.46	329.25	0	05:15	0.46
PWOPRMHS0004134	JUNCTION	0.01	0.25	332.19	0	05:15	0.25
PWOPRMHS0004135	JUNCTION	0.01	0.37	332.80	0	05:15	0.37
PWOPRMHS0004137	JUNCTION	0.01	0.24	334.62	0	05:15	0.24
PWOPRMHS0004141	JUNCTION	0.03	0.76	328.14	0	05:15	0.76
PWOPRMHS0004142	JUNCTION	0.03	0.64	327.68	0	05:15	0.64
PWOPRMHS0004143	JUNCTION	0.01	0.35	328.13	0	05:15	0.35
PWOPRMHS0004146	JUNCTION	0.00	0.00	332.40	0	00:00	0.00
PWOPRMHS0004159	JUNCTION	0.01	0.27	329.90	0	05:15	0.27
PWOPRMHS0004201	JUNCTION	0.01	0.27	329.79	0	05:15	0.27
PWOPRMHS0004998	JUNCTION	0.00	0.04	326.77	0	05:15	0.04
PWOPRMHS0004999	JUNCTION	0.00	0.03	327.52	0	04:20	0.03
PWOPRMHS0005000	JUNCTION	0.02	0.40	327.39	0	05:13	0.40
PWOPRMHS0005001	JUNCTION	0.02	0.41	327.53	0	05:15	0.41
PWOPRMHS0005003	JUNCTION	0.05	1.22	327.41	0	05:15	1.22
PWOPRMHS0005008	JUNCTION	0.01	0.14	338.66	0	05:15	0.14

PWOPRMHS0005009	JUNCTION	0.00	0.10	339.49	0	05:15	0.10
PWOPRMHS0005010	JUNCTION	0.01	0.13	338.27	0	05:15	0.13
PWOPRMHS0005011	JUNCTION	0.01	0.38	335.36	0	05:15	0.38
PWOPRMHS0005012	JUNCTION	0.01	0.20	335.75	0	05:15	0.20
PWOPRMHS0005013	JUNCTION	0.01	0.31	335.11	0	05:15	0.31
PWOPRMHS0005178	JUNCTION	0.00	0.05	328.69	0	05:10	0.05
PWOPRMHS0005179	JUNCTION	0.03	0.65	326.85	0	05:15	0.65
PWOPRMHS0005181	JUNCTION	0.03	0.68	327.34	0	05:15	0.68
PWOPRMHS0005183	JUNCTION	0.02	0.50	328.24	0	05:15	0.50
PWOPRMHS0005188	JUNCTION	0.01	0.28	330.22	0	05:15	0.28
PWOPRMHS0005196	JUNCTION	0.01	0.26	328.47	0	05:15	0.26
PWOPRMHS0005223	JUNCTION	0.03	0.63	326.47	0	05:15	0.63
PWOPRMHS0005226	JUNCTION	0.03	0.63	326.09	0	05:15	0.63
PWOPRMHS0005229	JUNCTION	0.01	0.30	325.04	0	05:15	0.30
PWOPRMHS0005230	JUNCTION	0.02	0.43	324.98	0	05:15	0.43
PWOPRMHS0005231	JUNCTION	0.01	0.24	325.48	0	05:15	0.24
PWOPRMHS0005906	JUNCTION	0.00	0.00	319.63	0	00:00	0.00
PWOPRMHS0005908	JUNCTION	0.01	0.17	319.09	0	05:15	0.17
PWOPRMHS0005909	JUNCTION	0.01	0.32	318.76	0	05:15	0.32
PWOPRMHS0005910	JUNCTION	0.00	0.00	318.95	0	00:00	0.00
PWOPRMHS0005911	JUNCTION	0.00	0.00	319.29	0	00:00	0.00
PWOPRMHS0005924	JUNCTION	0.01	0.25	318.85	0	05:15	0.25
PWOPRMHS0005926	JUNCTION	0.02	0.39	318.44	0	05:15	0.39
PWOPRMHS0005927	JUNCTION	0.02	0.53	318.29	0	05:15	0.53
PWOPRMHS0005930	JUNCTION	0.02	0.55	317.80	0	05:15	0.55
PWOPRMHS0005931	JUNCTION	0.01	0.30	318.00	0	05:15	0.30
PWOPRMHS0005932	JUNCTION	0.01	0.18	318.06	0	05:15	0.18
PWOPRMHS0005944	JUNCTION	0.01	0.20	318.52	0	05:15	0.20
PWOPRMHS0005945	JUNCTION	0.01	0.28	318.50	0	05:15	0.28
PWOPRMHS0005946	JUNCTION	0.01	0.25	318.75	0	05:15	0.25
SWMPOND	JUNCTION	0.04	1.36	323.36	0	05:14	1.36
A1_OVERFLOW	OUTFALL	0.00	0.07	317.07	0	05:15	0.07
A2_OVERFLOW	OUTFALL	0.00	0.00	329.00	0	00:00	0.00
A3_OVERFLOW	OUTFALL	0.07	0.67	326.67	0	05:15	0.67
A4_OVERFLOW	OUTFALL	0.25	1.39	318.39	0	07:10	1.39
B1_OVERFLOW	OUTFALL	0.00	0.22	324.22	0	05:16	0.22
B2_OVERFLOW	OUTFALL	0.03	0.63	322.63	0	05:24	0.63
C1_OVERFLOW	OUTFALL	0.04	0.84	319.84	0	05:15	0.84
D1_OVERFLOW	OUTFALL	0.04	0.85	325.35	0	05:15	0.85
D2_OVERFLOW	OUTFALL	0.07	0.43	321.43	0	05:15	0.42
D3_OVERFLOW	OUTFALL	0.20	1.15	322.65	0	08:55	1.15
D4_OVERFLOW	OUTFALL	0.07	0.46	318.46	0	06:15	0.46
E1_OVERFLOW	OUTFALL	0.42	1.78	315.78	0	10:50	1.78
E2_OVERFLOW	OUTFALL	0.32	1.29	315.19	0	13:26	1.28
HanlonCreek	OUTFALL	0.00	0.00	300.00	0	00:00	0.00
S_A1	STORAGE	0.04	0.69	331.69	0	05:15	0.69
S_A2	STORAGE	0.07	0.70	330.70	0	07:15	0.70
S_A3	STORAGE	0.13	0.76	326.76	0	07:21	0.76
S_A4	STORAGE	0.42	1.68	319.68	0	08:10	1.68
S_B1	STORAGE	0.04	0.77	324.77	0	05:19	0.77
S_B2	STORAGE	0.12	1.33	323.33	0	05:22	1.32
S_C1	STORAGE	0.18	1.35	320.35	0	05:28	1.35
S_D1	STORAGE	0.10	0.99	325.49	0	06:06	0.99
S_D2	STORAGE	0.17	0.67	321.67	0	07:18	0.67
S_D3	STORAGE	0.38	1.75	323.25	0	09:01	1.75
S_D4	STORAGE	0.27	1.12	319.12	0	05:19	1.12
S_E1	STORAGE	0.73	2.50	316.50	0	10:35	2.50

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S_E2                 STORAGE      0.36     1.19   315.09     0  13:23        1.19
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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
1	JUNCTION	9.796	9.796	0 05:15	64	64	-0.017
11	JUNCTION	0.000	28.439	0 07:57	0	1.24e+03	-0.001
12	JUNCTION	0.000	28.407	0 07:58	0	1.24e+03	0.001
13	JUNCTION	0.000	37.605	0 08:49	0	1.68e+03	0.000
14	JUNCTION	16.466	23.602	0 05:15	122	186	0.005
15	JUNCTION	0.000	41.549	0 11:29	0	1.73e+03	-0.032
17	JUNCTION	0.000	30.686	0 13:01	0	1.75e+03	0.001
18	JUNCTION	3.043	20.707	0 05:11	18.8	123	-0.124
19	JUNCTION	0.000	6.626	0 05:19	0	57.8	0.003
2	JUNCTION	68.631	68.631	0 05:15	439	439	-0.047
20	JUNCTION	10.164	18.178	0 05:15	111	214	0.010
21	JUNCTION	16.382	32.432	0 05:15	106	1.04e+03	0.000
22	JUNCTION	0.000	11.481	0 05:38	0	177	-0.025
24	JUNCTION	0.571	15.680	0 05:31	2.5	209	0.038
25	JUNCTION	0.000	11.565	0 05:36	0	163	-0.004
26	JUNCTION	0.000	0.162	0 04:31	0	0.0887	6.087
27	JUNCTION	30.675	30.689	0 05:15	201	201	-0.027
28	JUNCTION	47.753	63.302	0 05:15	1.05e+03	1.23e+03	0.011
29	JUNCTION	0.000	11.619	0 06:06	0	206	-0.011
3	JUNCTION	5.458	10.019	0 05:15	32.5	103	-0.025
30	JUNCTION	0.000	7.106	0 07:18	0	356	-0.000
31	JUNCTION	0.000	7.106	0 07:18	0	356	-0.000
32	JUNCTION	0.000	7.106	0 07:19	0	356	-0.001
34	JUNCTION	0.000	9.885	0 05:19	0	421	0.005
35	JUNCTION	0.000	10.054	0 05:29	0	421	-0.001
36	JUNCTION	0.087	12.770	0 05:16	0.394	439	-0.011
37	JUNCTION	16.329	23.680	0 05:16	68.7	122	0.004
39	JUNCTION	0.000	19.987	0 09:06	0	732	0.006
4	JUNCTION	0.990	0.990	0 05:15	6.29	6.29	-0.048
40	JUNCTION	119.879	119.879	0 05:15	1.08e+03	1.08e+03	0.001
42	JUNCTION	84.845	94.463	0 05:34	884	1e+03	0.006
48	JUNCTION	65.631	88.176	0 05:15	611	812	0.010
49	JUNCTION	172.607	172.607	0 08:50	5.57e+03	5.57e+03	0.000
5	JUNCTION	0.000	5.854	0 07:23	0	112	0.012
50	JUNCTION	59.503	66.436	0 06:15	1.6e+03	1.95e+03	0.000
53	JUNCTION	574.042	610.133	0 10:45	2.58e+04	2.75e+04	-0.019
54	JUNCTION	310.522	349.269	0 13:26	1.49e+04	1.67e+04	0.009
56	JUNCTION	9.020	30.645	0 13:20	49.7	1.8e+03	-0.000
6	JUNCTION	12.171	16.319	0 05:15	75	187	-0.049
7	JUNCTION	309.358	343.379	0 07:10	9.95e+03	1.12e+04	0.003
8	JUNCTION	17.048	93.077	0 05:15	114	841	0.004
9	JUNCTION	1.301	110.886	0 05:14	7.29	1.06e+03	-0.023
MHEasement1	JUNCTION	0.108	0.802	0 05:15	0.521	3.88	-0.040
MHEasement2	JUNCTION	0.253	1.054	0 05:15	1.18	5.06	0.025

MHSchool	JUNCTION	0.000	2.118	0	05:15	0	11.9	-0.016	
MHSWM4	JUNCTION	0.080	5.000	0	05:15	0.353	28	0.001	
PWOPRMHS0001369	JUNCTION	0.000	2.085	0	05:15	0	10.4	-0.003	
PWOPRMHS0001370	JUNCTION	0.000	0.694	0	05:15	0	3.36	-0.003	
PWOPRMHS0001371	JUNCTION	0.220	0.220	0	05:15	1.06	1.06	-0.000	
PWOPRMHS0001372	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001373	JUNCTION	0.000	0.441	0	05:15	0	2.14	-0.001	
PWOPRMHS0001374	JUNCTION	0.085	0.475	0	05:15	0.412	2.31	0.001	
PWOPRMHS0001375	JUNCTION	0.000	0.475	0	05:15	0	2.31	0.002	
PWOPRMHS0001386	JUNCTION	0.000	3.811	0	05:15	0	18.6	-0.016	
PWOPRMHS0001387	JUNCTION	0.000	2.757	0	05:15	0	13.6	-0.021	
PWOPRMHS0001388	JUNCTION	0.241	2.758	0	05:15	1.13	13.6	0.012	
PWOPRMHS0001389	JUNCTION	0.432	2.517	0	05:15	2.06	12.4	0.006	
PWOPRMHS0001390	JUNCTION	0.172	0.172	0	05:15	0.86	0.86	-0.001	
PWOPRMHS0001391	JUNCTION	0.000	0.360	0	05:15	0	1.74	-0.003	
PWOPRMHS0001392	JUNCTION	0.188	0.188	0	05:15	0.884	0.884	-0.001	
PWOPRMHS0001393	JUNCTION	0.348	1.644	0	05:15	1.85	8.23	0.001	
PWOPRMHS0001394	JUNCTION	0.000	0.359	0	05:15	0	1.74	-0.011	
PWOPRMHS0001395	JUNCTION	0.462	0.462	0	05:15	2.13	2.13	-0.002	
PWOPRMHS0001398	JUNCTION	0.475	0.475	0	05:15	2.22	2.22	-0.000	
PWOPRMHS0001399	JUNCTION	0.000	0.475	0	05:15	0	2.22	-0.001	
PWOPRMHS0001400	JUNCTION	0.000	0.475	0	05:15	0	2.22	0.003	
PWOPRMHS0001401	JUNCTION	0.225	0.699	0	05:15	1.05	3.47	-0.108	
PWOPRMHS0001402	JUNCTION	0.177	0.998	0	05:15	0.85	4.75	-0.142	
PWOPRMHS0001403	JUNCTION	0.569	4.920	0	05:15	3.14	27.7	-0.000	
PWOPRMHS0001404	JUNCTION	0.000	1.296	0	05:15	0	6.38	-0.026	
PWOPRMHS0001408	JUNCTION	0.814	0.814	0	05:15	3.78	3.78	-0.001	
PWOPRMHS0001409	JUNCTION	0.249	0.249	0	05:15	1.35	1.35	0.015	
PWOPRMHS0001410	JUNCTION	0.172	2.789	0	05:15	0.943	16	-0.005	
PWOPRMHS0001411	JUNCTION	0.083	0.653	0	05:15	0.5	4.21	0.015	
PWOPRMHS0001412	JUNCTION	0.039	0.569	0	05:15	0.251	3.71	0.000	
PWOPRMHS0001413	JUNCTION	0.454	0.454	0	05:15	2.99	2.99	-0.000	
PWOPRMHS0001415	JUNCTION	0.000	2.085	0	05:15	0	10.4	-0.010	
PWOPRMHS0001416	JUNCTION	0.000	5.011	0	05:14	0	28	-0.004	
PWOPRMHS0001418	JUNCTION	0.262	6.812	0	05:15	1.3	32.7	-0.034	
PWOPRMHS0001419	JUNCTION	0.000	0.390	0	05:15	0	1.89	0.001	
PWOPRMHS0001420	JUNCTION	0.074	0.390	0	05:15	0.361	1.89	-0.000	
PWOPRMHS0001421	JUNCTION	0.000	0.316	0	05:15	0	1.53	-0.000	
PWOPRMHS0001422	JUNCTION	0.051	0.442	0	05:15	0.254	2.14	-0.009	
PWOPRMHS0001423	JUNCTION	0.052	0.391	0	05:15	0.247	1.88	0.037	
PWOPRMHS0001424	JUNCTION	0.340	0.340	0	05:15	1.64	1.64	-0.001	
PWOPRMHS0001428	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001429	JUNCTION	0.316	0.316	0	05:15	1.53	1.53	-0.000	
PWOPRMHS0001430	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001431	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001433	JUNCTION	0.708	0.899	0	05:15	3.4	3.43	0.267	
PWOPRMHS0001435	JUNCTION	0.104	0.104	0	05:15	0.607	0.607	0.042	
PWOPRMHS0001436	JUNCTION	0.106	8.222	0	05:14	0.53	45.2	-0.001	
PWOPRMHS0001437	JUNCTION	0.000	2.085	0	05:15	0	11.9	0.010	
PWOPRMHS0001438	JUNCTION	0.000	8.261	0	05:14	0	45.8	-0.007	
PWOPRMHS0001467	JUNCTION	0.482	0.482	0	05:15	2.6	2.6	0.055	
PWOPRMHS0001597	JUNCTION	0.000	0.013	0	04:31	0	0.00961	2.188	
PWOPRMHS0001598	JUNCTION	0.266	0.623	0	05:15	1.83	4.34	0.014	
PWOPRMHS0001600	JUNCTION	0.680	0.680	0	05:15	3.96	3.96	-0.034	
PWOPRMHS0001601	JUNCTION	0.317	0.317	0	05:15	2.22	2.22	-0.000	
PWOPRMHS0001602	JUNCTION	0.026	0.356	0	05:15	0.192	2.51	-0.009	
PWOPRMHS0001603	JUNCTION	0.034	0.714	0	05:13	0.247	4.21	0.062	

PWOPRMHS0001604	JUNCTION	0.043	1.255	0	05:14	0.319	7.14	-0.026
PWOPRMHS0001605	JUNCTION	0.498	0.500	0	05:14	2.61	2.62	0.003
PWOPRMHS0001606	JUNCTION	0.246	6.769	0	05:15	1.35	38.8	0.013
PWOPRMHS0001608	JUNCTION	0.000	4.656	0	05:15	0	25.9	-0.020
PWOPRMHS0001610	JUNCTION	0.000	5.273	0	05:15	0	30.3	-0.003
PWOPRMHS0001611	JUNCTION	0.049	4.380	0	05:12	0.273	12.1	1.319
PWOPRMHS0001614	JUNCTION	0.050	5.262	0	05:15	0.247	12.9	-1.245
PWOPRMHS0001622	JUNCTION	0.076	0.076	0	05:15	0.469	0.469	-0.001
PWOPRMHS0001624	JUNCTION	0.000	0.461	0	05:15	0	2.85	0.000
PWOPRMHS0001625	JUNCTION	0.160	0.621	0	05:15	0.891	3.74	-0.000
PWOPRMHS0001626	JUNCTION	0.461	0.461	0	05:15	2.85	2.85	0.010
PWOPRMHS0001634	JUNCTION	0.186	2.974	0	05:15	1.01	17	0.018
PWOPRMHS0001642	JUNCTION	0.038	4.502	0	05:16	0.246	5.84	2.201
PWOPRMHS0001643	JUNCTION	0.070	1.343	0	04:58	0.331	2.66	-1.438
PWOPRMHS0001649	JUNCTION	0.068	0.922	0	05:15	0.422	5.48	-0.000
PWOPRMHS0001650	JUNCTION	0.000	0.647	0	05:15	0	3.89	-0.000
PWOPRMHS0001651	JUNCTION	0.026	0.647	0	05:15	0.149	3.89	-0.000
PWOPRMHS0001652	JUNCTION	0.000	0.922	0	05:15	0	5.48	-0.000
PWOPRMHS0001653	JUNCTION	0.000	0.922	0	05:15	0	5.48	0.002
PWOPRMHS0001654	JUNCTION	0.000	0.922	0	05:15	0	5.48	0.004
PWOPRMHS0001655	JUNCTION	0.207	0.207	0	05:15	1.17	1.17	0.003
PWOPRMHS0001657	JUNCTION	0.025	1.413	0	05:15	0.154	7.82	-0.018
PWOPRMHS0001658	JUNCTION	0.361	0.361	0	05:15	2.01	2.01	0.004
PWOPRMHS0001659	JUNCTION	1.027	1.027	0	05:15	5.66	5.66	0.024
PWOPRMHS0001660	JUNCTION	0.058	2.426	0	05:15	0.297	11.9	-0.000
PWOPRMHS0001661B	JUNCTION	1.553	2.474	0	05:15	8.25	13.7	0.003
PWOPRMHS0001662	JUNCTION	0.291	6.624	0	05:15	1.48	35	-0.025
PWOPRMHS0001663	JUNCTION	0.021	3.908	0	05:15	0.148	21.7	-0.001
PWOPRMHS0001664	JUNCTION	0.000	0.922	0	05:15	0	5.48	0.005
PWOPRMHS0001667	JUNCTION	0.000	6.767	0	05:15	0	38.8	-0.011
PWOPRMHS0001670	JUNCTION	0.069	6.826	0	05:15	0.457	39.2	0.084
PWOPRMHS0001674	JUNCTION	0.000	8.290	0	05:15	0	45.6	0.001
PWOPRMHS0001676	JUNCTION	0.063	1.274	0	05:15	0.305	7.16	-0.003
PWOPRMHS0001677	JUNCTION	0.092	1.211	0	05:15	0.493	6.86	-0.012
PWOPRMHS0001678	JUNCTION	0.391	0.391	0	05:15	2.22	2.22	0.002
PWOPRMHS0001679	JUNCTION	0.000	0.776	0	05:15	0	4.27	0.001
PWOPRMHS0001680	JUNCTION	0.092	1.413	0	05:15	0.51	7.79	-0.009
PWOPRMHS0001682	JUNCTION	0.157	2.653	0	05:15	0.893	14.7	-0.007
PWOPRMHS0001686	JUNCTION	0.072	2.384	0	05:15	0.404	13.2	-0.000
PWOPRMHS0001687	JUNCTION	0.000	6.722	0	05:15	0	36.9	0.001
PWOPRMHS0001688	JUNCTION	0.090	7.017	0	05:15	0.428	38.4	-0.000
PWOPRMHS0001689	JUNCTION	0.123	6.723	0	05:15	0.608	36.9	0.008
PWOPRMHS0001690	JUNCTION	0.056	3.948	0	05:15	0.27	21.6	0.000
PWOPRMHS0001691	JUNCTION	0.168	3.894	0	05:15	0.811	21.3	-0.002
PWOPRMHS0001692	JUNCTION	0.098	3.211	0	05:15	0.482	18.1	0.001
PWOPRMHS0001695	JUNCTION	0.458	0.832	0	04:26	2.67	2.69	0.003
PWOPRMHS0001697	JUNCTION	0.545	0.545	0	05:15	2.69	2.69	0.057
PWOPRMHS0001705	JUNCTION	0.206	0.206	0	05:15	1.04	1.04	-0.001
PWOPRMHS0001706	JUNCTION	0.729	0.729	0	05:15	4.14	4.14	0.016
PWOPRMHS0001713	JUNCTION	0.208	8.497	0	05:15	0.991	46.5	-0.005
PWOPRMHS0001729	JUNCTION	0.000	0.721	0	05:15	0	4.16	-0.011
PWOPRMHS0001732	JUNCTION	0.000	0.842	0	05:15	0	4.73	-0.011
PWOPRMHS0001733	JUNCTION	0.213	0.213	0	05:15	1.06	1.06	0.044
PWOPRMHS0001736	JUNCTION	0.069	0.829	0	05:14	0.334	4.08	-0.049
PWOPRMHS0001739	JUNCTION	0.220	1.062	0	05:15	1.05	5.78	0.001
PWOPRMHS0001740	JUNCTION	0.000	1.062	0	05:15	0	5.78	-0.001
PWOPRMHS0001741	JUNCTION	0.115	0.115	0	05:15	0.568	0.568	0.110

PWOPRMHS0001743	JUNCTION	0.114	3.324	0	05:15	0.561	18.6	-0.021	
PWOPRMHS0001744	JUNCTION	0.000	3.113	0	05:15	0	17.6	0.001	
PWOPRMHS0001745	JUNCTION	0.018	3.052	0	05:15	0.102	17.3	-0.003	
PWOPRMHS0001746	JUNCTION	0.063	3.114	0	05:15	0.301	17.6	0.001	
PWOPRMHS0001761	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001764	JUNCTION	0.591	1.205	0	05:15	3.29	6.66	0.042	
PWOPRMHS0001765	JUNCTION	0.614	0.614	0	05:15	3.37	3.37	-0.001	
PWOPRMHS0001766	JUNCTION	0.000	0.002	0	04:24	0	0.00103	0.218	
PWOPRMHS0001767	JUNCTION	0.154	1.716	0	05:15	0.843	9.48	-0.024	
PWOPRMHS0001768	JUNCTION	0.357	0.357	0	05:15	1.99	1.99	0.046	
PWOPRMHS0001788	JUNCTION	0.318	4.351	0	05:15	1.75	24.5	0.000	
PWOPRMHS0001791	JUNCTION	0.296	3.269	0	05:15	1.62	18.6	-0.030	
PWOPRMHS0001792	JUNCTION	0.165	3.853	0	05:15	0.894	21.8	0.031	
PWOPRMHS0001796	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001797	JUNCTION	0.420	0.420	0	05:15	2.29	2.29	-0.000	
PWOPRMHS0001798	JUNCTION	0.000	0.420	0	05:15	0	2.29	-0.001	
PWOPRMHS0001804	JUNCTION	0.090	0.090	0	05:15	0.555	0.555	-0.000	
PWOPRMHS0001836	JUNCTION	0.182	4.035	0	05:15	0.985	22.8	-0.019	
PWOPRMHS0001855	JUNCTION	0.072	1.945	0	05:15	0.482	11.2	-0.000	
PWOPRMHS0001856	JUNCTION	0.000	1.548	0	05:15	0	8.63	-0.002	
PWOPRMHS0001857	JUNCTION	0.140	2.085	0	05:15	0.699	11.9	-0.000	
PWOPRMHS0001858	JUNCTION	0.083	1.534	0	05:15	0.529	8.53	-0.000	
PWOPRMHS0001867	JUNCTION	0.165	0.165	0	05:15	0.916	0.916	-0.001	
PWOPRMHS0001874	JUNCTION	0.121	0.121	0	05:15	0.573	0.573	0.052	
PWOPRMHS0001878	JUNCTION	0.062	1.186	0	05:07	0.29	4.39	-0.463	
PWOPRMHS0001879	JUNCTION	0.000	5.166	0	05:15	0	7.07	0.346	
PWOPRMHS0001881	JUNCTION	0.368	0.368	0	05:15	1.77	1.77	0.074	
PWOPRMHS0001889	JUNCTION	0.071	1.550	0	05:15	0.357	7.56	-0.017	
PWOPRMHS0001890	JUNCTION	0.027	2.254	0	05:15	0.177	11	0.005	
PWOPRMHS0001891	JUNCTION	0.213	0.213	0	05:15	1.02	1.02	-0.015	
PWOPRMHS0001894	JUNCTION	0.114	2.368	0	05:15	0.545	11.6	-0.005	
PWOPRMHS0001903	JUNCTION	0.697	0.697	0	05:15	3.84	3.84	-0.000	
PWOPRMHS0001904	JUNCTION	0.000	0.862	0	05:15	0	4.76	-0.001	
PWOPRMHS0001906	JUNCTION	0.057	1.057	0	05:15	0.306	5.16	0.007	
PWOPRMHS0001907	JUNCTION	0.000	0.551	0	05:15	0	2.66	-0.044	
PWOPRMHS0001908	JUNCTION	0.449	0.449	0	05:15	2.19	2.19	0.013	
PWOPRMHS0001911	JUNCTION	0.000	1.057	0	05:15	0	5.15	-0.004	
PWOPRMHS0001912	JUNCTION	0.374	9.956	0	05:15	1.76	54	-0.111	
PWOPRMHS0001914	JUNCTION	0.590	0.590	0	05:15	3.25	3.25	-0.000	
PWOPRMHS0001915	JUNCTION	0.015	1.548	0	05:15	0.101	8.63	0.002	
PWOPRMHS0001916	JUNCTION	0.235	1.783	0	05:15	1.53	10.2	0.003	
PWOPRMHS0001917	JUNCTION	0.551	0.551	0	05:15	2.66	2.66	0.057	
PWOPRMHS0001918	JUNCTION	0.279	8.531	0	05:15	1.39	47.2	0.105	
PWOPRMHS0001919	JUNCTION	0.402	0.402	0	05:15	1.9	1.9	0.013	
PWOPRMHS0001925	JUNCTION	0.242	1.500	0	05:15	1.41	8.84	0.004	
PWOPRMHS0001926	JUNCTION	0.000	1.503	0	05:14	0	8.84	-0.049	
PWOPRMHS0001927	JUNCTION	0.000	0.504	0	05:15	0	2.94	-0.020	
PWOPRMHS0001928	JUNCTION	0.266	3.856	0	04:30	1.55	22.3	-0.005	
PWOPRMHS0001929	JUNCTION	0.230	1.142	0	05:15	1.34	6.75	0.003	
PWOPRMHS0001930	JUNCTION	0.105	1.380	0	05:15	0.611	8.13	0.046	
PWOPRMHS0001931	JUNCTION	0.000	0.912	0	05:15	0	5.41	-0.000	
PWOPRMHS0001932	JUNCTION	0.000	0.912	0	05:15	0	5.41	-0.001	
PWOPRMHS0001933	JUNCTION	0.280	0.912	0	05:15	1.63	5.41	-0.001	
PWOPRMHS0001935	JUNCTION	0.000	0.633	0	05:15	0	3.79	-0.001	
PWOPRMHS0001937	JUNCTION	1.258	1.258	0	05:15	7.44	7.44	0.005	
PWOPRMHS0001939	JUNCTION	0.504	0.504	0	05:15	2.94	2.94	-0.000	
PWOPRMHS0001941	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr

PWOPRMHS0001943	JUNCTION	0.633	0.633	0	05:15	3.79	3.79	-0.001	
PWOPRMHS0001944	JUNCTION	0.141	1.522	0	05:13	0.817	8.95	-0.082	
PWOPRMHS0001945	JUNCTION	0.000	0.010	0	04:54	0	0.00425	4.826	
PWOPRMHS0001947	JUNCTION	0.133	0.133	0	05:15	0.772	0.772	-0.001	
PWOPRMHS0002041	JUNCTION	1.057	1.057	0	05:15	6.1	6.1	0.001	
PWOPRMHS0002042	JUNCTION	0.722	0.722	0	05:15	4.16	4.16	0.037	
PWOPRMHS0002046	JUNCTION	0.112	0.112	0	05:15	0.628	0.628	-0.000	
PWOPRMHS0002050	JUNCTION	0.605	0.605	0	05:15	3.76	3.76	0.031	
PWOPRMHS0002051	JUNCTION	0.198	3.035	0	05:15	0.97	17.2	0.005	
PWOPRMHS0002080	JUNCTION	0.465	0.465	0	05:15	2.26	2.26	0.018	
PWOPRMHS0002082	JUNCTION	0.806	0.806	0	05:15	3.9	3.9	0.031	
PWOPRMHS0002083	JUNCTION	0.000	1.169	0	05:15	0	5.75	0.000	
PWOPRMHS0002084	JUNCTION	0.310	1.479	0	05:15	1.45	7.2	0.020	
PWOPRMHS0002085	JUNCTION	0.363	0.363	0	05:15	1.86	1.86	-0.000	
PWOPRMHS0002095	JUNCTION	0.545	0.545	0	05:15	3.01	3.01	-0.004	
PWOPRMHS0003136	JUNCTION	0.030	2.312	0	05:15	0.168	12.8	0.000	
PWOPRMHS0003137	JUNCTION	0.111	2.282	0	05:15	0.602	12.6	0.002	
PWOPRMHS0003140	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0003146	JUNCTION	0.052	1.916	0	05:15	0.296	10.6	0.007	
PWOPRMHS0003147	JUNCTION	0.000	1.915	0	05:15	0	10.6	0.000	
PWOPRMHS0003148	JUNCTION	0.000	1.915	0	05:15	0	10.6	-0.000	
PWOPRMHS0003149	JUNCTION	0.257	2.172	0	05:15	1.39	12	-0.002	
PWOPRMHS0003153	JUNCTION	0.776	0.776	0	05:15	4.27	4.27	-0.001	
PWOPRMHS0003160	JUNCTION	0.451	0.451	0	05:15	2.53	2.53	0.016	
PWOPRMHS0004129	JUNCTION	0.477	0.477	0	05:15	2.61	2.61	-0.001	
PWOPRMHS0004130	JUNCTION	0.045	1.041	0	05:15	0.26	5.73	-0.006	
PWOPRMHS0004131	JUNCTION	0.041	1.082	0	05:15	0.246	5.97	0.008	
PWOPRMHS0004132	JUNCTION	0.057	3.091	0	05:15	0.359	17	-0.020	
PWOPRMHS0004133	JUNCTION	0.081	1.127	0	05:15	0.454	6.05	-0.000	
PWOPRMHS0004134	JUNCTION	0.000	1.046	0	05:15	0	5.6	0.000	
PWOPRMHS0004135	JUNCTION	0.312	1.047	0	05:15	1.71	5.6	-0.004	
PWOPRMHS0004137	JUNCTION	0.069	0.735	0	05:15	0.375	3.89	0.005	
PWOPRMHS0004141	JUNCTION	0.000	3.440	0	05:15	0	18.8	0.021	
PWOPRMHS0004142	JUNCTION	0.355	3.820	0	05:15	1.98	21	-0.024	
PWOPRMHS0004143	JUNCTION	0.350	0.350	0	05:15	1.89	1.89	-0.001	
PWOPRMHS0004146	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0004159	JUNCTION	0.519	0.519	0	05:15	2.85	2.85	0.051	
PWOPRMHS0004201	JUNCTION	0.827	0.827	0	05:15	4.57	4.57	-0.000	
PWOPRMHS0004998	JUNCTION	0.013	0.013	0	05:15	0.0958	0.0958	-0.032	
PWOPRMHS0004999	JUNCTION	0.007	0.007	0	05:10	0.0479	0.0479	0.055	
PWOPRMHS0005000	JUNCTION	0.046	0.596	0	05:15	0.335	3.9	-0.035	
PWOPRMHS0005001	JUNCTION	0.544	0.544	0	05:15	3.52	3.52	-0.001	
PWOPRMHS0005003	JUNCTION	0.238	4.665	0	05:14	1.04	26	0.037	
PWOPRMHS0005008	JUNCTION	0.129	0.192	0	05:15	0.713	1.07	-0.000	
PWOPRMHS0005009	JUNCTION	0.064	0.064	0	05:15	0.355	0.355	-0.002	
PWOPRMHS0005010	JUNCTION	0.000	0.192	0	05:15	0	1.07	0.064	
PWOPRMHS0005011	JUNCTION	0.211	0.668	0	05:15	1.06	3.51	-0.009	
PWOPRMHS0005012	JUNCTION	0.265	0.265	0	05:15	1.39	1.39	-0.112	
PWOPRMHS0005013	JUNCTION	0.000	0.667	0	05:15	0	3.52	0.000	
PWOPRMHS0005178	JUNCTION	0.026	0.026	0	05:10	0.192	0.192	-0.155	
PWOPRMHS0005179	JUNCTION	0.168	2.134	0	05:15	0.823	11.8	-0.017	
PWOPRMHS0005181	JUNCTION	0.089	1.966	0	05:15	0.413	11	0.056	
PWOPRMHS0005183	JUNCTION	0.024	1.877	0	05:15	0.17	10.6	0.040	
PWOPRMHS0005188	JUNCTION	1.204	1.204	0	05:15	6.78	6.78	-0.002	
PWOPRMHS0005196	JUNCTION	0.649	0.649	0	05:15	3.66	3.66	-0.000	
PWOPRMHS0005223	JUNCTION	0.078	2.212	0	05:15	0.383	12.2	-0.014	
PWOPRMHS0005226	JUNCTION	0.134	2.346	0	05:15	0.634	12.9	-0.002	

PWOPRMHS0005229	JUNCTION	0.048	0.451	0	05:15	0.228	2.15	0.008	
PWOPRMHS0005230	JUNCTION	0.065	2.862	0	05:15	0.325	15.3	-0.084	
PWOPRMHS0005231	JUNCTION	0.404	0.404	0	05:15	1.92	1.92	-0.004	
PWOPRMHS0005906	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0005908	JUNCTION	0.139	0.139	0	05:15	0.804	0.804	-0.001	
PWOPRMHS0005909	JUNCTION	0.469	0.608	0	05:15	2.73	3.53	0.036	
PWOPRMHS0005910	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0005911	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0005924	JUNCTION	0.366	0.366	0	05:15	1.78	1.78	-0.066	
PWOPRMHS0005926	JUNCTION	0.137	0.745	0	05:15	0.767	4.3	-0.013	
PWOPRMHS0005927	JUNCTION	0.132	1.242	0	05:15	0.758	6.84	0.059	
PWOPRMHS0005930	JUNCTION	0.262	2.298	0	05:15	1.39	12.9	-0.223	
PWOPRMHS0005931	JUNCTION	0.087	0.558	0	05:15	0.599	3.33	0.011	
PWOPRMHS0005932	JUNCTION	0.237	0.237	0	05:15	1.35	1.35	-0.003	
PWOPRMHS0005944	JUNCTION	0.111	0.111	0	05:15	0.629	0.629	-0.006	
PWOPRMHS0005945	JUNCTION	0.000	0.471	0	05:15	0	2.73	0.000	
PWOPRMHS0005946	JUNCTION	0.360	0.360	0	05:15	2.1	2.1	-0.000	
SWMPOND	JUNCTION	0.496	5.062	0	04:30	2.79	27.8	-0.051	
A1_OVERFLOW	OUTFALL	0.000	18.969	0	05:15	0	115	0.000	
A2_OVERFLOW	OUTFALL	0.000	11.469	0	05:16	0	102	0.000	
A3_OVERFLOW	OUTFALL	0.000	52.971	0	05:15	0	945	0.000	
A4_OVERFLOW	OUTFALL	0.000	313.895	0	07:10	0	1e+04	0.000	
B1_OVERFLOW	OUTFALL	0.000	16.986	0	05:16	0	63.8	0.000	
B2_OVERFLOW	OUTFALL	0.000	86.341	0	05:24	0	879	0.000	
C1_OVERFLOW	OUTFALL	0.000	103.353	0	05:15	0	888	0.000	
D1_OVERFLOW	OUTFALL	0.000	73.902	0	05:15	0	606	0.000	
D2_OVERFLOW	OUTFALL	0.000	24.948	0	05:15	0	687	0.000	
D3_OVERFLOW	OUTFALL	0.000	152.548	0	08:55	0	4.84e+03	0.000	
D4_OVERFLOW	OUTFALL	0.000	57.984	0	06:15	0	1.55e+03	0.000	
E1_OVERFLOW	OUTFALL	0.000	577.218	0	10:50	0	2.58e+04	0.000	
E2_OVERFLOW	OUTFALL	0.000	317.138	0	13:26	0	1.49e+04	0.000	
HanlonCreek	OUTFALL	0.000	30.622	0	13:29	0	1.8e+03	0.000	
S_A1	STORAGE	0.000	4.644	0	05:15	0	70.9	0.001	
S_A2	STORAGE	0.000	6.711	0	05:16	0	112	0.002	
S_A3	STORAGE	0.000	12.353	0	05:15	0	288	0.040	
S_A4	STORAGE	0.000	29.489	0	07:10	0	1.18e+03	0.003	
S_B1	STORAGE	0.000	6.697	0	05:16	0	57.8	0.001	
S_B2	STORAGE	0.000	11.432	0	04:37	0	139	0.002	
S_C1	STORAGE	0.000	16.574	0	05:15	0	189	-0.031	
S_D1	STORAGE	0.000	15.579	0	05:15	0	206	-0.008	
S_D2	STORAGE	0.000	8.479	0	05:14	0	356	-0.003	
S_D3	STORAGE	0.000	20.267	0	08:15	0	732	0.001	
S_D4	STORAGE	0.000	10.604	0	05:15	0	421	-0.002	
S_E1	STORAGE	0.000	35.063	0	10:28	0	1.73e+03	0.011	
S_E2	STORAGE	0.000	31.734	0	12:12	0	1.75e+03	0.001	

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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
S_A1	0.040	0	0	0	1.154	1	0	05:15	5.377
S_A2	1.642	1	0	0	21.845	8	0	07:15	5.854
S_A3	3.184	0	0	0	22.794	2	0	07:21	9.380
S_A4	18.457	1	0	0	91.335	5	0	08:10	28.091
S_B1	0.055	0	0	0	1.478	3	0	05:19	6.626
S_B2	2.094	3	0	0	28.978	37	0	05:22	9.494
S_C1	0.564	1	0	0	8.606	15	0	05:28	15.168
S_D1	1.224	0	0	0	20.878	8	0	06:06	11.619
S_D2	0.819	0	0	0	4.504	2	0	07:18	7.106
S_D3	8.072	7	0	0	51.147	42	0	09:01	19.987
S_D4	2.106	3	0	0	10.752	15	0	05:19	9.885
S_E1	10.990	18	0	0	47.146	76	0	10:35	41.549
S_E2	1.639	8	0	0	6.345	31	0	13:23	30.686

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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
A1_OVERFLOW	4.83	9.075	18.969	115.450
A2_OVERFLOW	6.65	6.027	11.469	102.117
A3_OVERFLOW	17.28	23.528	52.971	944.525
A4_OVERFLOW	34.26	129.372	313.895	10012.012
B1_OVERFLOW	2.96	7.970	16.986	63.764
B2_OVERFLOW	8.92	39.689	86.341	879.333
C1_OVERFLOW	13.83	25.645	103.353	887.584
D1_OVERFLOW	9.78	24.282	73.902	606.365
D2_OVERFLOW	28.30	10.644	24.948	687.069
D3_OVERFLOW	27.02	81.109	152.548	4838.139
D4_OVERFLOW	28.69	23.765	57.984	1551.372
E1_OVERFLOW	39.07	293.010	577.218	25768.080
E2_OVERFLOW	38.62	170.102	317.138	14934.709
HanlonCreek	99.46	7.769	30.622	1795.265
System	25.69	851.988	30.622	63185.785

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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
1	CONDUIT	9.794	0	05:15	4.26	0.10	0.27
10	CONDUIT	16.975	0	05:27	1.71	0.80	0.98
11	CONDUIT	18.475	0	05:07	4.48	0.35	0.47
12	CONDUIT	9.494	0	05:52	3.95	0.80	0.80
13	CONDUIT	6.626	0	05:19	3.41	0.07	0.24
14	CONDUIT	6.625	0	05:20	2.25	0.05	0.38
15	CONDUIT	11.565	0	05:36	2.91	0.12	0.70
16	CONDUIT	68.627	0	05:14	5.03	0.68	0.95
17	CONDUIT	12.244	0	05:27	1.87	0.15	0.86
18	CONDUIT	106.172	0	05:14	10.82	0.98	0.80
19	CONDUIT	28.407	0	07:58	4.84	0.26	0.55
2	CONDUIT	5.377	0	05:20	2.11	0.04	0.32
20	CONDUIT	28.428	0	07:59	3.94	0.26	0.65
21	CONDUIT	38.242	0	08:50	4.46	0.47	0.77
22	CONDUIT	41.549	0	11:29	3.88	1.06	0.84
23	CONDUIT	42.844	0	11:31	4.87	1.52	0.73
24	CONDUIT	30.686	0	13:01	7.40	0.16	0.42
25	CONDUIT	0.179	0	05:16	0.08	0.00	0.27
26	CONDUIT	19.991	0	09:05	4.27	0.67	0.46
27	CONDUIT	30.684	0	05:15	6.67	0.26	0.50
28	CONDUIT	11.619	0	06:06	4.17	0.11	0.32
29	CONDUIT	7.106	0	07:18	3.39	0.08	0.25
3	CONDUIT	10.006	0	05:15	3.27	0.21	0.34
30	CONDUIT	7.106	0	07:19	3.33	0.06	0.26
31	CONDUIT	7.105	0	07:20	2.64	0.08	0.31
32	CONDUIT	9.885	0	05:19	3.23	0.21	0.34
33	CONDUIT	10.054	0	05:29	3.83	0.10	0.30
34	CONDUIT	9.522	0	05:18	3.81	0.10	0.31
35	CONDUIT	12.634	0	05:16	2.52	0.10	0.53
36	CONDUIT	4.644	0	05:15	2.88	0.06	0.23
37	CONDUIT	19.987	0	09:06	2.97	0.29	0.59
38	CONDUIT	11.618	0	06:07	4.19	0.10	0.32
39	CONDUIT	8.479	0	05:14	3.54	0.16	0.28
4	CONDUIT	5.854	0	07:23	2.78	0.06	0.26
40	CONDUIT	7.106	0	07:18	3.52	0.05	0.25
41	CONDUIT	30.645	0	13:20	4.11	0.20	0.64
43	CONDUIT	0.990	0	05:15	0.80	0.01	0.18
44	CONDUIT	29.489	0	07:10	4.72	0.43	0.61
45	CONDUIT	313.895	0	07:10	15.08	0.56	0.69
46	CONDUIT	18.969	0	05:15	16.27	0.00	0.04
47	CONDUIT	28.091	0	08:10	4.79	0.31	0.54
48	CONDUIT	6.711	0	05:16	3.62	0.08	0.24
49	CONDUIT	11.469	0	05:16	3.81	0.02	0.10
5	CONDUIT	5.889	0	07:30	2.65	0.08	0.34
50	CONDUIT	12.353	0	05:15	4.31	0.27	0.33
51	CONDUIT	52.971	0	05:15	5.26	0.17	0.34
52	CONDUIT	6.697	0	05:16	3.02	0.08	0.26
53	CONDUIT	16.986	0	05:16	5.11	0.03	0.11
54	CONDUIT	16.574	0	05:15	3.57	0.23	0.46
55	CONDUIT	103.353	0	05:15	8.21	0.25	0.42

56	CONDUIT	86.341	0	05:24	9.10	0.16	0.32
57	CONDUIT	9.864	0	05:30	3.63	0.10	0.43
58	CONDUIT	20.267	0	08:15	3.52	0.34	0.58
59	CONDUIT	152.548	0	08:55	8.85	0.41	0.57
6	CONDUIT	16.279	0	05:15	4.08	0.17	0.42
60	CONDUIT	15.579	0	05:15	4.20	0.27	0.39
61	CONDUIT	73.902	0	05:15	5.79	0.25	0.43
62	CONDUIT	24.948	0	05:15	3.91	0.08	0.21
63	CONDUIT	8.540	0	06:50	2.68	0.11	0.36
64	CONDUIT	57.984	0	06:15	8.40	0.09	0.23
65	CONDUIT	31.734	0	12:12	5.80	0.39	0.52
66	CONDUIT	317.138	0	13:26	16.44	0.49	0.65
67	CONDUIT	577.218	0	10:50	21.66	0.83	0.89
68	CONDUIT	35.063	0	10:28	3.44	0.24	0.81
7	CONDUIT	9.379	0	07:21	2.90	0.07	0.61
70	CONDUIT	30.622	0	13:29	3.17	1.23	0.75
8	CONDUIT	98.642	0	05:13	5.57	0.97	0.83
9	CONDUIT	15.168	0	05:30	2.68	0.19	0.53
PWOPRSES0001498	CONDUIT	0.475	0	05:15	1.47	0.05	0.16
PWOPRSES0001507	CONDUIT	0.814	0	05:15	1.78	0.09	0.20
PWOPRSES0001510	CONDUIT	0.482	0	05:15	1.33	0.04	0.17
PWOPRSES0001511	CONDUIT	0.391	0	05:15	1.46	0.04	0.14
PWOPRSES0001512	CONDUIT	0.000	0	00:00	0.00	0.00	0.02
PWOPRSES0001515	CONDUIT	0.000	0	00:00	0.00	0.00	0.02
PWOPRSES0001516	CONDUIT	0.316	0	05:15	2.17	0.02	0.09
PWOPRSES0001518	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
PWOPRSES0001519	CONDUIT	1.644	0	05:15	1.94	0.11	0.24
PWOPRSES0001520	CONDUIT	0.359	0	05:15	1.31	0.04	0.14
PWOPRSES0001521	CONDUIT	0.359	0	05:15	1.41	0.04	0.14
PWOPRSES0001522	CONDUIT	0.172	0	05:15	1.05	0.02	0.10
PWOPRSES0001524	CONDUIT	0.188	0	05:15	1.78	0.01	0.07
PWOPRSES0001525	CONDUIT	0.441	0	05:15	1.46	0.05	0.15
PWOPRSES0001530	CONDUIT	1.296	0	05:15	1.67	0.08	0.23
PWOPRSES0001534	CONDUIT	2.757	0	05:15	1.76	0.19	0.37
PWOPRSES0001535	CONDUIT	2.517	0	05:15	2.07	0.15	0.31
PWOPRSES0001536	CONDUIT	2.085	0	05:15	2.14	0.13	0.27
PWOPRSES0001537	CONDUIT	2.085	0	05:15	2.14	0.13	0.27
PWOPRSES0001538	CONDUIT	0.441	0	05:15	1.09	0.02	0.19
PWOPRSES0001541	CONDUIT	0.475	0	05:15	1.52	0.05	0.16
PWOPRSES0001542	CONDUIT	0.475	0	05:15	1.60	0.04	0.15
PWOPRSES0001543	CONDUIT	0.699	0	05:15	0.54	0.01	0.39
PWOPRSES0001544	CONDUIT	0.997	0	05:15	0.90	0.03	0.22
PWOPRSES0001545	CONDUIT	0.462	0	05:15	1.48	0.05	0.16
PWOPRSES0001546	CONDUIT	1.783	0	05:15	3.94	0.06	0.20
PWOPRSES0001547	CONDUIT	1.549	0	05:15	2.34	0.11	0.26
PWOPRSES0001548	CONDUIT	0.090	0	05:15	2.32	0.00	0.04
PWOPRSES0001551	CONDUIT	1.548	0	05:15	2.95	0.07	0.22
PWOPRSES0001555	CONDUIT	1.945	0	05:15	5.69	0.06	0.17
PWOPRSES0001556	CONDUIT	2.085	0	05:15	3.45	0.06	0.26
PWOPRSES0001557	CONDUIT	1.509	0	05:15	2.78	0.02	0.33
PWOPRSES0001558	CONDUIT	5.058	0	05:15	1.74	0.26	0.58
PWOPRSES0001559	CONDUIT	4.920	0	05:15	4.15	0.14	0.41
PWOPRSES0001564	CONDUIT	2.092	0	05:15	2.89	0.07	0.44
PWOPRSES0001565	CONDUIT	8.158	0	05:15	2.46	0.60	0.64
PWOPRSES0001566	CONDUIT	6.026	0	05:15	1.81	0.39	0.64
PWOPRSES0001567	CONDUIT	0.104	0	05:15	1.34	0.00	0.07
PWOPRSES0001571	CONDUIT	0.000	0	00:00	0.00	0.00	0.06

PWOPRSES0001572	CONDUIT	4.351	0	05:15	4.85	0.20	0.33
PWOPRSES0001575	CONDUIT	3.810	0	05:15	1.88	0.23	0.45
PWOPRSES0001576	CONDUIT	1.054	0	05:15	1.18	0.12	0.33
PWOPRSES0001577	CONDUIT	2.757	0	05:15	1.65	0.15	0.38
PWOPRSES0001579	CONDUIT	0.316	0	05:15	2.08	0.02	0.09
PWOPRSES0001580	CONDUIT	0.390	0	05:15	2.35	0.02	0.10
PWOPRSES0001581	CONDUIT	0.390	0	05:15	1.83	0.03	0.12
PWOPRSES0001582	CONDUIT	0.475	0	05:15	1.77	0.04	0.14
PWOPRSES0001583	CONDUIT	0.000	0	00:00	0.00	0.00	0.03
PWOPRSES0001584	CONDUIT	0.220	0	05:15	2.08	0.01	0.07
PWOPRSES0001585	CONDUIT	0.475	0	05:15	1.49	0.04	0.16
PWOPRSES0001586	CONDUIT	0.339	0	05:15	1.77	0.02	0.11
PWOPRSES0001587	CONDUIT	0.694	0	05:15	1.92	0.05	0.17
PWOPRSES0001633	CONDUIT	0.454	0	05:15	1.78	0.05	0.14
PWOPRSES0001634	CONDUIT	0.076	0	05:15	1.23	0.00	0.05
PWOPRSES0001654	CONDUIT	2.974	0	05:15	2.05	0.32	0.47
PWOPRSES0001655	CONDUIT	3.853	0	05:15	3.14	0.28	0.41
PWOPRSES0001656	CONDUIT	4.034	0	05:15	3.62	0.31	0.39
PWOPRSES0001658	CONDUIT	2.789	0	05:15	1.99	0.32	0.46
PWOPRSES0001660	CONDUIT	3.268	0	05:15	2.15	0.40	0.49
PWOPRSES0001662	CONDUIT	0.420	0	05:15	1.86	0.02	0.14
PWOPRSES0001663	CONDUIT	0.420	0	05:15	1.86	0.03	0.12
PWOPRSES0001667	CONDUIT	5.011	0	05:14	2.54	0.35	0.62
PWOPRSES0001679	CONDUIT	0.249	0	05:15	1.67	0.01	0.13
PWOPRSES0001680	CONDUIT	0.653	0	05:15	2.65	0.02	0.17
PWOPRSES0001681	CONDUIT	0.569	0	05:15	4.10	0.02	0.09
PWOPRSES0001682	CONDUIT	1.716	0	05:15	2.34	0.17	0.29
PWOPRSES0001684	CONDUIT	0.357	0	05:15	1.56	0.03	0.14
PWOPRSES0001687	CONDUIT	0.207	0	05:15	2.07	0.01	0.07
PWOPRSES0001688	CONDUIT	0.922	0	05:15	3.37	0.04	0.14
PWOPRSES0001698	CONDUIT	0.922	0	05:15	2.88	0.04	0.16
PWOPRSES0001699	CONDUIT	0.922	0	05:15	2.69	0.04	0.17
PWOPRSES0001711	CONDUIT	0.729	0	05:15	1.73	0.07	0.19
PWOPRSES0001712	CONDUIT	0.391	0	05:15	1.83	0.02	0.15
PWOPRSES0001713	CONDUIT	1.211	0	05:15	1.54	0.12	0.30
PWOPRSES0001718	CONDUIT	1.125	0	05:07	1.30	0.18	0.41
PWOPRSES0001720	CONDUIT	0.217	0	05:14	1.50	0.02	0.13
PWOPRSES0001721	CONDUIT	0.545	0	05:15	1.28	0.06	0.24
PWOPRSES0001724	CONDUIT	6.722	0	05:15	1.91	0.45	0.64
PWOPRSES0001725	CONDUIT	6.722	0	05:15	1.90	0.34	0.64
PWOPRSES0001728	CONDUIT	7.016	0	05:15	2.39	0.34	0.56
PWOPRSES0001730	CONDUIT	8.291	0	05:15	4.61	0.45	0.40
PWOPRSES0001732	CONDUIT	0.206	0	05:15	1.84	0.01	0.08
PWOPRSES0001733	CONDUIT	1.274	0	05:15	1.58	0.33	0.30
PWOPRSES0001744	CONDUIT	3.113	0	05:15	1.85	0.30	0.53
PWOPRSES0001745	CONDUIT	2.384	0	05:15	3.56	0.09	0.27
PWOPRSES0001747	CONDUIT	0.112	0	05:15	2.18	0.00	0.05
PWOPRSES0001748	CONDUIT	2.652	0	05:15	2.13	0.14	0.42
PWOPRSES0001750	CONDUIT	3.948	0	05:15	1.83	0.31	0.65
PWOPRSES0001753	CONDUIT	3.893	0	05:15	1.86	0.26	0.63
PWOPRSES0001754	CONDUIT	0.115	0	05:15	1.09	0.01	0.12
PWOPRSES0001755	CONDUIT	3.052	0	05:15	1.80	0.34	0.53
PWOPRSES0001756	CONDUIT	3.114	0	05:15	2.04	0.34	0.50
PWOPRSES0001757	CONDUIT	3.034	0	05:15	1.95	0.32	0.50
PWOPRSES0001758	CONDUIT	0.121	0	05:15	1.12	0.01	0.09
PWOPRSES0001759	CONDUIT	3.210	0	05:15	1.98	0.27	0.53
PWOPRSES0001760	CONDUIT	3.325	0	05:15	2.21	0.30	0.53

PWOPRSES0001761	CONDUIT	0.402	0	05:15	1.31	0.04	0.22
PWOPRSES0001765A	CONDUIT	1.067	0	05:15	1.21	0.12	0.35
PWOPRSES0001765B	CONDUIT	2.118	0	05:15	2.08	0.23	0.40
PWOPRSES0001766	CONDUIT	1.057	0	05:15	2.66	0.06	0.21
PWOPRSES0001768	CONDUIT	0.605	0	05:15	2.06	0.04	0.21
PWOPRSES0001770	CONDUIT	0.776	0	05:15	1.93	0.06	0.19
PWOPRSES0001771	CONDUIT	0.545	0	05:15	2.90	0.01	0.13
PWOPRSES0001774	CONDUIT	3.064	0	05:06	0.92	0.36	0.72
PWOPRSES0001775	CONDUIT	4.666	0	05:11	1.02	0.04	0.54
PWOPRSES0001776	CONDUIT	1.254	0	05:14	0.90	0.13	0.63
PWOPRSES0001777	CONDUIT	0.356	0	05:15	1.29	0.03	0.15
PWOPRSES0001778	CONDUIT	0.712	0	05:15	1.32	0.10	0.41
PWOPRSES0001779	CONDUIT	5.273	0	05:15	2.49	0.08	0.46
PWOPRSES0001780	CONDUIT	0.500	0	05:14	1.34	0.04	0.37
PWOPRSES0001781	CONDUIT	0.049	0	05:19	0.18	0.00	0.23
PWOPRSES0001782	CONDUIT	0.679	0	05:13	1.42	0.07	0.29
PWOPRSES0001783	CONDUIT	0.317	0	05:15	1.51	0.03	0.12
PWOPRSES0001784	CONDUIT	6.767	0	05:15	2.61	0.69	0.77
PWOPRSES0001785	CONDUIT	4.654	0	05:15	2.67	0.41	0.54
PWOPRSES0001786	CONDUIT	0.623	0	05:13	1.71	0.06	0.19
PWOPRSES0001790	CONDUIT	0.542	0	05:06	0.97	0.07	0.30
PWOPRSES0001791	CONDUIT	1.799	0	05:07	1.78	0.17	0.50
PWOPRSES0001797	CONDUIT	6.763	0	05:15	2.74	0.89	0.73
PWOPRSES0001798	CONDUIT	6.827	0	05:15	4.48	0.11	0.37
PWOPRSES0001803	CONDUIT	0.847	0	04:27	0.69	0.11	0.62
PWOPRSES0001806	CONDUIT	1.503	0	05:14	2.55	0.11	0.29
PWOPRSES0001807	CONDUIT	4.030	0	04:30	1.93	0.36	0.64
PWOPRSES0001808	CONDUIT	0.133	0	05:15	1.40	0.01	0.07
PWOPRSES0001809	CONDUIT	1.381	0	05:14	2.08	0.13	0.31
PWOPRSES0001810	CONDUIT	0.028	0	05:17	0.11	0.00	0.15
PWOPRSES0001812	CONDUIT	1.576	0	04:30	1.64	0.13	0.46
PWOPRSES0001819	CONDUIT	0.806	0	05:15	2.53	0.04	0.16
PWOPRSES0001821	CONDUIT	1.169	0	05:15	2.61	0.08	0.21
PWOPRSES0001822	CONDUIT	0.363	0	05:15	3.33	0.01	0.08
PWOPRSES0001823	CONDUIT	1.479	0	05:15	1.59	0.17	0.34
PWOPRSES0001824	CONDUIT	3.908	0	05:15	2.26	0.49	0.54
PWOPRSES0001825	CONDUIT	2.254	0	05:15	2.00	0.27	0.39
PWOPRSES0001826	CONDUIT	1.550	0	05:15	1.51	0.37	0.36
PWOPRSES0001827	CONDUIT	2.367	0	05:15	1.86	0.28	0.43
PWOPRSES0001828	CONDUIT	2.425	0	05:15	1.96	0.23	0.42
PWOPRSES0001829	CONDUIT	6.623	0	05:15	1.81	0.12	0.39
PWOPRSES0001840	CONDUIT	2.425	0	05:15	1.65	0.20	0.58
PWOPRSES0001841	CONDUIT	5.186	0	05:06	3.05	0.27	0.69
PWOPRSES0001842	CONDUIT	3.401	0	05:17	2.82	0.12	0.63
PWOPRSES0001844	CONDUIT	0.213	0	05:15	1.53	0.01	0.14
PWOPRSES0001845	CONDUIT	0.465	0	05:15	1.59	0.04	0.17
PWOPRSES0001855	CONDUIT	1.533	0	05:15	3.35	0.07	0.20
PWOPRSES0001856	CONDUIT	0.590	0	05:15	3.36	0.02	0.10
PWOPRSES0001861	CONDUIT	0.165	0	05:15	1.59	0.01	0.07
PWOPRSES0001862	CONDUIT	0.449	0	05:15	2.23	0.02	0.12
PWOPRSES0001865	CONDUIT	0.861	0	05:15	2.02	0.08	0.19
PWOPRSES0001866	CONDUIT	0.697	0	05:15	3.81	0.02	0.11
PWOPRSES0001868	CONDUIT	0.554	0	05:15	0.99	0.07	0.24
PWOPRSES0001890	CONDUIT	1.027	0	05:15	2.50	0.07	0.22
PWOPRSES0001891	CONDUIT	0.922	0	05:15	2.33	0.06	0.18
PWOPRSES0001892	CONDUIT	0.361	0	05:15	1.11	0.04	0.21
PWOPRSES0001895	CONDUIT	0.621	0	05:15	2.35	0.03	0.14

PWOPRSES0001896	CONDUIT	0.647	0	05:15	2.83	0.03	0.13
PWOPRSES0001897	CONDUIT	0.647	0	05:15	2.29	0.03	0.15
PWOPRSES0001899	CONDUIT	0.461	0	05:15	2.02	0.02	0.13
PWOPRSES0001900	CONDUIT	0.461	0	05:15	1.99	0.02	0.13
PWOPRSES0001904	CONDUIT	0.922	0	05:15	1.26	0.07	0.32
PWOPRSES0001905	CONDUIT	2.474	0	05:15	1.57	0.26	0.51
PWOPRSES0001906	CONDUIT	1.413	0	05:15	1.15	0.14	0.45
PWOPRSES0001919	CONDUIT	0.005	0	05:16	0.04	0.00	0.10
PWOPRSES0001930	CONDUIT	0.614	0	05:15	1.66	0.06	0.18
PWOPRSES0001931	CONDUIT	1.205	0	05:15	1.71	0.18	0.28
PWOPRSES0001932	CONDUIT	0.000	0	00:00	0.00	0.00	0.06
PWOPRSES0001941	CONDUIT	1.258	0	05:15	3.16	0.05	0.19
PWOPRSES0001942	CONDUIT	0.912	0	05:15	3.53	0.04	0.14
PWOPRSES0001943	CONDUIT	0.912	0	05:15	2.07	0.08	0.20
PWOPRSES0001944	CONDUIT	0.912	0	05:15	2.13	0.08	0.19
PWOPRSES0001951	CONDUIT	0.000	0	00:00	0.00	0.00	0.08
PWOPRSES0001952	CONDUIT	0.633	0	05:15	1.83	0.06	0.17
PWOPRSES0001960	CONDUIT	0.633	0	05:15	1.87	0.06	0.16
PWOPRSES0001961	CONDUIT	1.142	0	05:15	2.80	0.06	0.19
PWOPRSES0001962	CONDUIT	1.609	0	04:30	1.58	0.15	0.47
PWOPRSES0001963	CONDUIT	0.504	0	05:15	1.73	0.02	0.27
PWOPRSES0001968	CONDUIT	0.504	0	05:15	4.66	0.01	0.08
PWOPRSES0001972	CONDUIT	0.551	0	05:15	1.38	0.06	0.19
PWOPRSES0001976	CONDUIT	8.528	0	05:15	3.00	0.70	0.56
PWOPRSES0001977	CONDUIT	1.057	0	05:15	2.10	0.08	0.22
PWOPRSES0001978	CONDUIT	9.950	0	05:15	3.75	0.26	0.43
PWOPRSES0001979	CONDUIT	1.057	0	05:15	2.32	0.06	0.20
PWOPRSES0001984	CONDUIT	8.253	0	05:15	2.73	0.59	0.59
PWOPRSES0002119	CONDUIT	0.721	0	05:15	1.71	0.07	0.19
PWOPRSES0002120	CONDUIT	0.844	0	05:15	1.34	0.07	0.26
PWOPRSES0002121	CONDUIT	0.721	0	05:15	1.20	0.10	0.25
PWOPRSES0002122	CONDUIT	1.062	0	05:15	1.67	0.08	0.28
PWOPRSES0003435	CONDUIT	2.282	0	05:15	2.82	0.10	0.30
PWOPRSES0003436	CONDUIT	2.312	0	05:15	2.47	0.21	0.34
PWOPRSES0003439	CONDUIT	0.000	0	00:00	0.00	0.00	0.04
PWOPRSES0003446	CONDUIT	1.915	0	05:15	1.93	0.28	0.35
PWOPRSES0003447	CONDUIT	1.915	0	05:15	4.68	0.05	0.19
PWOPRSES0003448	CONDUIT	1.915	0	05:15	3.08	0.08	0.25
PWOPRSES0003449	CONDUIT	2.172	0	05:15	3.74	0.10	0.24
PWOPRSES0003457	CONDUIT	0.776	0	05:15	1.72	0.06	0.20
PWOPRSES0003465	CONDUIT	0.451	0	05:15	2.38	0.02	0.14
PWOPRSES0003466	CONDUIT	1.412	0	05:15	1.73	0.13	0.31
PWOPRSES0004584	CONDUIT	1.046	0	05:15	3.38	0.04	0.15
PWOPRSES0004585	CONDUIT	1.046	0	05:15	2.77	0.03	0.18
PWOPRSES0004586	CONDUIT	1.126	0	05:15	2.48	0.07	0.20
PWOPRSES0004587	CONDUIT	0.477	0	05:15	1.29	0.04	0.18
PWOPRSES0004588	CONDUIT	1.041	0	05:15	1.96	0.11	0.23
PWOPRSES0004589	CONDUIT	0.735	0	05:15	2.47	0.03	0.15
PWOPRSES0004590	CONDUIT	1.081	0	05:15	2.10	0.06	0.23
PWOPRSES0004591	CONDUIT	3.091	0	05:15	2.32	0.15	0.33
PWOPRSES0004592	CONDUIT	3.440	0	05:15	2.44	0.16	0.34
PWOPRSES0004593	CONDUIT	0.350	0	05:15	1.43	0.01	0.22
PWOPRSES0004594	CONDUIT	3.819	0	05:15	1.69	0.19	0.47
PWOPRSES0004597	CONDUIT	0.000	0	00:00	0.00	0.00	0.05
PWOPRSES0004603	CONDUIT	0.519	0	05:15	1.87	0.04	0.15
PWOPRSES0004637	CONDUIT	0.827	0	05:15	3.38	0.04	0.13
PWOPRSES0005529	CONDUIT	0.013	0	05:15	0.46	0.00	0.06

PWOPRSES0005530	CONDUIT	0.007	0	04:20	0.82	0.00	0.05
PWOPRSES0005531	CONDUIT	0.544	0	05:15	1.34	0.10	0.19
PWOPRSES0005532	CONDUIT	0.610	0	05:05	0.86	0.05	0.41
PWOPRSES0005534	CONDUIT	4.656	0	05:15	2.41	0.50	0.59
PWOPRSES0005535	CONDUIT	0.064	0	05:15	1.02	0.01	0.05
PWOPRSES0005536	CONDUIT	0.192	0	05:15	2.14	0.01	0.07
PWOPRSES0005537	CONDUIT	0.192	0	05:15	1.66	0.01	0.10
PWOPRSES0005539	CONDUIT	0.265	0	05:15	1.34	0.02	0.12
PWOPRSES0005540	CONDUIT	0.667	0	05:15	2.00	0.04	0.16
PWOPRSES0005541	CONDUIT	0.667	0	05:15	2.56	0.04	0.14
PWOPRSES0005710	CONDUIT	8.498	0	05:15	4.48	0.08	0.25
PWOPRSES0005734	CONDUIT	0.026	0	05:10	0.47	0.00	0.17
PWOPRSES0005735	CONDUIT	1.966	0	05:15	2.25	0.20	0.32
PWOPRSES0005736	CONDUIT	1.877	0	05:15	2.86	0.12	0.26
PWOPRSES0005739	CONDUIT	1.204	0	05:15	2.84	0.04	0.19
PWOPRSES0005744	CONDUIT	0.649	0	05:15	1.58	0.03	0.19
PWOPRSES0005766	CONDUIT	2.134	0	05:15	2.57	0.18	0.31
PWOPRSES0005767	CONDUIT	2.212	0	05:15	2.64	0.21	0.31
PWOPRSES0005768	CONDUIT	2.346	0	05:15	2.80	0.20	0.31
PWOPRSES0005769	CONDUIT	2.862	0	05:15	0.72	0.04	0.55
PWOPRSES0005770	CONDUIT	0.404	0	05:15	1.56	0.03	0.14
PWOPRSES0005771	CONDUIT	0.451	0	05:15	1.24	0.02	0.17
PWOPRSES0006537	CONDUIT	0.111	0	05:15	0.53	0.01	0.12
PWOPRSES0006538	CONDUIT	0.000	0	00:00	0.00	0.00	0.10
PWOPRSES0006542	CONDUIT	0.139	0	05:15	1.10	0.01	0.08
PWOPRSES0006547	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
PWOPRSES0006548	CONDUIT	0.000	0	00:00	0.00	0.00	0.02
PWOPRSES0006549	CONDUIT	0.608	0	05:15	1.83	0.05	0.16
PWOPRSES0006550	CONDUIT	0.744	0	05:15	1.79	0.08	0.19
PWOPRSES0006551	CONDUIT	0.366	0	05:15	1.52	0.03	0.13
PWOPRSES0006552	CONDUIT	1.241	0	05:15	1.88	0.12	0.26
PWOPRSES0006553	CONDUIT	2.297	0	05:15	1.77	0.07	0.25
PWOPRSES0006554	CONDUIT	0.558	0	05:15	1.84	0.03	0.17
PWOPRSES0006555	CONDUIT	0.237	0	05:15	0.92	0.02	0.15
PWOPRSES0006576	CONDUIT	0.360	0	05:15	1.64	0.03	0.12
PWOPRSES0006577	CONDUIT	0.471	0	05:15	1.80	0.04	0.14
STMEasement	CONDUIT	0.802	0	05:15	1.34	0.07	0.25
SWMPOND_OUT	CONDUIT	5.542	0	04:29	1.29	0.15	0.71

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Flow Classification Summary
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Conduit	Adjusted /Actual Length	Dry	Up Dry	Down Dry	Sub Crit	Sup Crit	Up Crit	Down Crit	Norm Ltd	Inlet Ctrl
		---------- Fraction of Time in Flow Class ----------								
1	1.00	0.68	0.00	0.00	0.27	0.05	0.00	0.00	0.97	0.00
10	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.76	0.00
11	1.00	0.29	0.00	0.00	0.70	0.02	0.00	0.00	0.05	0.00
12	1.00	0.58	0.01	0.00	0.29	0.12	0.00	0.00	0.90	0.00
13	1.00	0.39	0.00	0.00	0.50	0.12	0.00	0.00	0.04	0.00
14	1.00	0.29	0.19	0.00	0.52	0.00	0.00	0.00	0.99	0.00
15	1.00	0.56	0.02	0.00	0.30	0.12	0.00	0.00	0.86	0.00
16	1.00	0.00	0.60	0.00	0.38	0.02	0.00	0.00	0.97	0.00

17	1.00	0.00	0.56	0.00	0.44	0.00	0.00	0.00	0.92	0.00
18	1.00	0.00	0.00	0.00	0.91	0.09	0.00	0.00	0.89	0.00
19	1.00	0.00	0.00	0.00	0.47	0.53	0.00	0.00	0.73	0.00
2	1.00	0.35	0.34	0.00	0.31	0.00	0.00	0.00	0.93	0.00
20	1.00	0.00	0.00	0.00	0.78	0.21	0.00	0.00	0.69	0.00
21	1.00	0.00	0.00	0.00	0.95	0.04	0.00	0.00	0.04	0.00
22	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.52	0.00
23	1.00	0.00	0.00	0.00	0.86	0.13	0.00	0.00	0.01	0.00
24	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.93	0.00
25	1.00	0.59	0.19	0.00	0.22	0.00	0.00	0.00	0.93	0.00
26	1.00	0.00	0.00	0.00	0.81	0.18	0.00	0.00	0.25	0.00
27	1.00	0.59	0.00	0.00	0.35	0.06	0.00	0.00	0.30	0.00
28	1.00	0.59	0.04	0.00	0.17	0.19	0.00	0.00	0.93	0.00
29	1.00	0.31	0.00	0.00	0.34	0.34	0.00	0.00	0.27	0.00
3	1.00	0.35	0.00	0.00	0.64	0.02	0.00	0.00	0.06	0.00
30	1.00	0.25	0.08	0.00	0.33	0.34	0.00	0.00	0.89	0.00
31	1.00	0.25	0.01	0.00	0.51	0.24	0.00	0.00	0.28	0.00
32	1.00	0.18	0.00	0.00	0.52	0.30	0.00	0.00	0.00	0.00
33	1.00	0.28	0.02	0.00	0.35	0.35	0.00	0.00	0.66	0.00
34	1.00	0.27	0.01	0.00	0.36	0.35	0.00	0.00	0.60	0.00
35	1.00	0.00	0.27	0.00	0.71	0.02	0.00	0.00	0.88	0.00
36	1.00	0.68	0.00	0.00	0.15	0.17	0.00	0.00	0.07	0.00
37	1.00	0.00	0.56	0.00	0.43	0.00	0.00	0.00	0.72	0.00
38	1.00	0.42	0.18	0.00	0.32	0.09	0.00	0.00	0.99	0.00
39	1.00	0.32	0.10	0.00	0.27	0.31	0.00	0.00	0.47	0.00
4	1.00	0.58	0.07	0.00	0.21	0.14	0.00	0.00	0.88	0.00
40	1.00	0.31	0.01	0.00	0.33	0.36	0.00	0.00	0.72	0.00
41	1.00	0.00	0.00	0.00	0.70	0.30	0.00	0.00	0.99	0.00
43	1.00	0.73	0.00	0.00	0.27	0.00	0.00	0.00	0.22	0.00
44	1.00	0.00	0.00	0.00	0.63	0.37	0.00	0.00	0.77	0.00
45	1.00	0.66	0.00	0.00	0.00	0.34	0.00	0.00	0.19	0.00
46	10.96	0.95	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00
47	1.00	0.00	0.00	0.00	0.54	0.45	0.00	0.00	0.19	0.00
48	1.00	0.65	0.01	0.00	0.23	0.11	0.00	0.00	0.85	0.00
49	1.00	0.93	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00
5	1.00	0.43	0.15	0.00	0.35	0.07	0.00	0.00	0.86	0.00
50	1.00	0.00	0.50	0.00	0.31	0.19	0.00	0.00	0.77	0.00
51	1.00	0.83	0.00	0.00	0.00	0.17	0.00	0.00	0.05	0.00
52	1.00	0.38	0.37	0.00	0.16	0.08	0.00	0.00	0.90	0.00
53	1.20	0.97	0.00	0.00	0.00	0.03	0.00	0.00	0.02	0.00
54	1.00	0.56	0.15	0.00	0.22	0.07	0.00	0.00	0.78	0.00
55	1.00	0.86	0.00	0.00	0.00	0.14	0.00	0.00	0.09	0.00
56	1.00	0.91	0.00	0.00	0.00	0.09	0.00	0.00	0.06	0.00
57	1.00	0.59	0.06	0.00	0.30	0.05	0.00	0.00	0.86	0.00
58	1.00	0.56	0.06	0.00	0.35	0.03	0.00	0.00	0.67	0.00
59	1.00	0.73	0.00	0.00	0.00	0.27	0.00	0.00	0.17	0.00
6	1.00	0.43	0.00	0.00	0.54	0.02	0.00	0.00	0.45	0.00
60	1.00	0.64	0.01	0.00	0.25	0.11	0.00	0.00	0.70	0.00
61	1.00	0.90	0.00	0.00	0.00	0.10	0.00	0.00	0.03	0.00
62	1.00	0.72	0.00	0.00	0.00	0.28	0.00	0.00	0.06	0.00
63	1.00	0.18	0.23	0.00	0.56	0.02	0.00	0.00	0.69	0.00
64	1.27	0.71	0.00	0.00	0.00	0.29	0.00	0.00	0.20	0.00
65	1.17	0.00	0.00	0.00	0.40	0.59	0.00	0.00	0.41	0.00
66	1.49	0.61	0.00	0.00	0.00	0.39	0.00	0.00	0.19	0.00
67	1.68	0.61	0.00	0.00	0.00	0.39	0.00	0.00	0.21	0.00
68	1.46	0.00	0.00	0.00	0.96	0.04	0.00	0.00	0.58	0.00
7	1.00	0.00	0.00	0.00	0.87	0.12	0.00	0.00	0.99	0.00

70	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
8	1.00	0.00	0.00	0.00	0.88	0.12	0.00	0.00	0.00	0.00
9	1.00	0.00	0.55	0.00	0.44	0.00	0.00	0.00	0.79	0.00
PWOPRSES0001498	1.00	0.00	0.00	0.00	0.09	0.04	0.00	0.87	0.00	0.00
PWOPRSES0001507	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001510	1.00	0.00	0.00	0.00	0.02	0.01	0.00	0.97	0.00	0.00
PWOPRSES0001511	1.00	0.00	0.00	0.00	0.00	0.15	0.00	0.84	0.00	0.00
PWOPRSES0001512	1.00	0.99	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001515	1.00	0.98	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001516	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001518	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001519	1.00	0.81	0.00	0.00	0.03	0.00	0.00	0.16	0.00	0.00
PWOPRSES0001520	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
PWOPRSES0001521	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001522	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001524	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001525	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001530	1.00	0.81	0.00	0.00	0.18	0.00	0.00	0.01	0.16	0.00
PWOPRSES0001534	1.00	0.76	0.05	0.00	0.14	0.00	0.00	0.05	0.87	0.00
PWOPRSES0001535	1.00	0.81	0.00	0.00	0.19	0.00	0.00	0.00	0.16	0.00
PWOPRSES0001536	1.00	0.81	0.00	0.00	0.03	0.00	0.00	0.16	0.00	0.00
PWOPRSES0001537	1.00	0.81	0.00	0.00	0.17	0.00	0.00	0.02	0.00	0.00
PWOPRSES0001538	1.00	0.81	0.01	0.00	0.19	0.00	0.00	0.00	1.00	0.00
PWOPRSES0001541	1.00	0.00	0.81	0.00	0.15	0.03	0.00	0.00	0.91	0.00
PWOPRSES0001542	1.00	0.00	0.00	0.00	0.05	0.00	0.00	0.95	0.03	0.00
PWOPRSES0001543	1.00	0.00	0.78	0.00	0.20	0.01	0.00	0.00	0.97	0.00
PWOPRSES0001544	1.00	0.27	0.50	0.00	0.23	0.00	0.00	0.00	0.97	0.00
PWOPRSES0001545	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001546	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001547	1.00	0.00	0.00	0.00	0.00	0.08	0.00	0.92	0.00	0.00
PWOPRSES0001548	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001551	1.00	0.00	0.00	0.00	0.00	0.03	0.00	0.97	0.00	0.00
PWOPRSES0001555	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001556	1.00	0.00	0.00	0.00	0.81	0.19	0.00	0.00	1.00	0.00
PWOPRSES0001557	1.65	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.01	0.00
PWOPRSES0001558	1.00	0.00	0.00	0.00	0.19	0.01	0.00	0.80	0.01	0.00
PWOPRSES0001559	1.00	0.00	0.79	0.00	0.01	0.19	0.00	0.00	1.00	0.00
PWOPRSES0001564	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001565	1.00	0.79	0.00	0.00	0.20	0.00	0.00	0.00	0.83	0.00
PWOPRSES0001566	1.00	0.00	0.00	0.00	0.09	0.00	0.00	0.91	0.00	0.00
PWOPRSES0001567	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.99	0.01	0.00
PWOPRSES0001571	1.00	0.90	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001572	1.00	0.00	0.00	0.00	0.80	0.20	0.00	0.00	0.00	0.00
PWOPRSES0001575	1.00	0.18	0.48	0.00	0.33	0.00	0.00	0.00	0.77	0.00
PWOPRSES0001576	1.00	0.67	0.03	0.00	0.30	0.00	0.00	0.00	0.78	0.00
PWOPRSES0001577	1.00	0.67	0.07	0.00	0.27	0.00	0.00	0.00	0.80	0.00
PWOPRSES0001579	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001580	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001581	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0001582	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001583	1.12	0.97	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001584	1.13	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001585	1.00	0.00	0.00	0.00	0.95	0.05	0.00	0.00	0.91	0.00
PWOPRSES0001586	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001587	1.00	0.80	0.01	0.00	0.10	0.08	0.00	0.00	0.96	0.00
PWOPRSES0001633	1.00	0.00	0.00	0.00	0.83	0.17	0.00	0.00	0.82	0.00
PWOPRSES0001634	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00

PWOPRSES0001654	1.00	0.00	0.00	0.00	0.03	0.00	0.00	0.96	0.00	0.00
PWOPRSES0001655	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.00	0.00
PWOPRSES0001656	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001658	1.00	0.00	0.80	0.00	0.20	0.00	0.00	0.00	0.89	0.00
PWOPRSES0001660	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001662	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0001663	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001667	1.00	0.00	0.00	0.00	0.01	0.05	0.00	0.93	0.01	0.00
PWOPRSES0001679	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.01	0.00
PWOPRSES0001680	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.00	0.00
PWOPRSES0001681	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001682	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0001684	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.00	0.00
PWOPRSES0001687	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.00	0.00
PWOPRSES0001688	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001698	1.00	0.00	0.81	0.00	0.01	0.18	0.00	0.00	0.09	0.00
PWOPRSES0001699	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0001711	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.00	0.00
PWOPRSES0001712	1.51	0.00	0.00	0.00	0.01	0.01	0.00	0.98	0.00	0.00
PWOPRSES0001713	1.00	0.00	0.00	0.00	0.04	0.00	0.00	0.96	0.00	0.00
PWOPRSES0001718	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.01	0.00
PWOPRSES0001720	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
PWOPRSES0001721	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.02	0.00
PWOPRSES0001724	1.00	0.81	0.00	0.00	0.19	0.00	0.00	0.00	0.08	0.00
PWOPRSES0001725	1.00	0.81	0.00	0.00	0.04	0.00	0.00	0.16	0.00	0.00
PWOPRSES0001728	1.00	0.81	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.00
PWOPRSES0001730	1.00	0.81	0.00	0.00	0.11	0.08	0.00	0.00	0.01	0.00
PWOPRSES0001732	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001733	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001744	1.00	0.00	0.00	0.00	0.04	0.01	0.00	0.94	0.00	0.00
PWOPRSES0001745	1.16	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001747	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001748	1.00	0.00	0.00	0.00	0.02	0.04	0.00	0.94	0.06	0.00
PWOPRSES0001750	1.00	0.00	0.00	0.00	0.07	0.02	0.00	0.90	0.00	0.00
PWOPRSES0001753	1.00	0.00	0.80	0.00	0.06	0.14	0.00	0.00	0.84	0.00
PWOPRSES0001754	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.01	0.00
PWOPRSES0001755	1.00	0.00	0.00	0.00	0.04	0.08	0.00	0.88	0.00	0.00
PWOPRSES0001756	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001757	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001758	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.01	0.00
PWOPRSES0001759	1.00	0.00	0.00	0.00	0.02	0.04	0.00	0.93	0.00	0.00
PWOPRSES0001760	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001761	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.99	0.00	0.00
PWOPRSES0001765A	1.00	0.00	0.81	0.00	0.19	0.00	0.00	0.00	0.98	0.00
PWOPRSES0001765B	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001766	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0001768	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001770	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001771	1.20	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0001774	1.00	0.79	0.00	0.00	0.21	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001775	1.00	0.29	0.51	0.00	0.20	0.00	0.00	0.00	0.92	0.00
PWOPRSES0001776	1.00	0.00	0.00	0.00	0.19	0.00	0.00	0.81	0.15	0.00
PWOPRSES0001777	1.00	0.00	0.00	0.00	0.03	0.05	0.00	0.92	0.02	0.00
PWOPRSES0001778	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001779	1.00	0.79	0.00	0.00	0.19	0.00	0.00	0.02	0.17	0.00
PWOPRSES0001780	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001781	1.00	0.90	0.08	0.00	0.02	0.00	0.00	0.00	0.93	0.00

PWOPRSES0001782	1.00	0.00	0.00	0.00	0.03	0.01	0.00	0.96	0.01	0.00
PWOPRSES0001783	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001784	1.00	0.00	0.00	0.00	0.04	0.03	0.00	0.94	0.00	0.00
PWOPRSES0001785	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001786	2.09	0.00	0.00	0.00	0.02	0.01	0.00	0.97	0.00	0.00
PWOPRSES0001790	1.00	0.00	0.00	0.00	0.03	0.05	0.00	0.92	0.01	0.00
PWOPRSES0001791	1.00	0.00	0.81	0.00	0.12	0.07	0.00	0.00	0.83	0.00
PWOPRSES0001797	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001798	1.00	0.79	0.00	0.00	0.05	0.03	0.00	0.13	0.06	0.00
PWOPRSES0001803	1.00	0.78	0.03	0.00	0.19	0.00	0.00	0.00	0.97	0.00
PWOPRSES0001806	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.00	0.00
PWOPRSES0001807	1.00	0.78	0.03	0.00	0.19	0.00	0.00	0.00	0.84	0.00
PWOPRSES0001808	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001809	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001810	1.00	0.98	0.00	0.00	0.01	0.00	0.00	0.00	0.93	0.00
PWOPRSES0001812	1.00	0.00	0.00	0.00	0.06	0.00	0.00	0.94	0.03	0.00
PWOPRSES0001819	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.02	0.00
PWOPRSES0001821	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0001822	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001823	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001824	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001825	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001826	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001827	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001828	1.00	0.00	0.80	0.00	0.19	0.00	0.00	0.00	0.85	0.00
PWOPRSES0001829	1.00	0.29	0.52	0.00	0.19	0.00	0.00	0.00	0.99	0.00
PWOPRSES0001840	1.00	0.00	0.00	0.00	0.05	0.00	0.00	0.95	0.01	0.00
PWOPRSES0001841	1.25	0.79	0.02	0.00	0.19	0.00	0.00	0.00	0.94	0.00
PWOPRSES0001842	1.36	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.16	0.00
PWOPRSES0001844	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.01	0.00
PWOPRSES0001845	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.01	0.00
PWOPRSES0001855	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001856	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001861	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001862	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0001865	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001866	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001868	1.00	0.00	0.81	0.00	0.19	0.00	0.00	0.00	0.91	0.00
PWOPRSES0001890	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.00	0.00
PWOPRSES0001891	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001892	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001895	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001896	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001897	1.00	0.00	0.81	0.00	0.01	0.18	0.00	0.00	0.09	0.00
PWOPRSES0001899	1.04	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
PWOPRSES0001900	1.00	0.01	0.81	0.00	0.01	0.17	0.00	0.00	0.14	0.00
PWOPRSES0001904	1.00	0.00	0.00	0.00	0.03	0.01	0.00	0.96	0.02	0.00
PWOPRSES0001905	1.00	0.00	0.00	0.00	0.03	0.00	0.00	0.96	0.00	0.00
PWOPRSES0001906	1.00	0.00	0.00	0.00	0.05	0.00	0.00	0.95	0.03	0.00
PWOPRSES0001919	1.00	0.94	0.04	0.00	0.02	0.00	0.00	0.00	0.93	0.00
PWOPRSES0001930	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001931	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001932	1.00	0.98	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001941	1.00	0.00	0.00	0.00	0.00	0.05	0.00	0.94	0.03	0.00
PWOPRSES0001942	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001943	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001944	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00

PWOPRSES0001951	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001952	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001960	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001961	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0001962	1.00	0.00	0.00	0.00	0.06	0.00	0.00	0.94	0.02	0.00
PWOPRSES0001963	1.00	0.00	0.00	0.00	0.02	0.01	0.00	0.97	0.03	0.00
PWOPRSES0001968	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001972	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001976	1.00	0.73	0.03	0.00	0.17	0.00	0.00	0.07	0.82	0.00
PWOPRSES0001977	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.00	0.00
PWOPRSES0001978	1.00	0.00	0.71	0.00	0.25	0.03	0.00	0.00	0.80	0.00
PWOPRSES0001979	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001984	1.00	0.76	0.03	0.00	0.21	0.00	0.00	0.00	0.93	0.00
PWOPRSES0002119	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0002120	1.00	0.00	0.00	0.00	0.02	0.01	0.00	0.97	0.00	0.00
PWOPRSES0002121	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0002122	1.00	0.00	0.00	0.00	0.01	0.01	0.00	0.98	0.00	0.00
PWOPRSES0003435	1.00	0.00	0.00	0.00	0.00	0.03	0.00	0.97	0.00	0.00
PWOPRSES0003436	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0003439	1.00	0.95	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0003446	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0003447	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0003448	1.27	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0003449	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.00	0.00
PWOPRSES0003457	1.00	0.00	0.00	0.00	0.91	0.09	0.00	0.00	0.09	0.00
PWOPRSES0003465	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.00	0.00
PWOPRSES0003466	1.00	0.00	0.00	0.00	0.02	0.02	0.00	0.95	0.00	0.00
PWOPRSES0004584	1.04	0.00	0.00	0.00	0.81	0.19	0.00	0.00	0.00	0.00
PWOPRSES0004585	1.00	0.00	0.81	0.00	0.01	0.17	0.00	0.00	1.00	0.00
PWOPRSES0004586	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0004587	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0004588	1.00	0.00	0.81	0.00	0.10	0.09	0.00	0.00	0.00	0.00
PWOPRSES0004589	1.00	0.00	0.81	0.00	0.01	0.18	0.00	0.00	0.17	0.00
PWOPRSES0004590	1.00	0.00	0.00	0.00	0.00	0.04	0.00	0.96	0.00	0.00
PWOPRSES0004591	1.00	0.81	0.00	0.00	0.19	0.00	0.00	0.00	0.17	0.00
PWOPRSES0004592	1.00	0.81	0.00	0.00	0.09	0.00	0.00	0.10	0.00	0.00
PWOPRSES0004593	2.35	0.00	0.00	0.00	0.02	0.01	0.00	0.97	0.00	0.00
PWOPRSES0004594	1.00	0.00	0.81	0.00	0.19	0.00	0.00	0.00	1.00	0.00
PWOPRSES0004597	1.00	0.98	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0004603	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.00	0.00
PWOPRSES0004637	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005529	1.00	0.00	0.00	0.00	0.11	0.00	0.00	0.89	0.10	0.00
PWOPRSES0005530	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.01	0.00
PWOPRSES0005531	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005532	1.00	0.00	0.80	0.00	0.20	0.00	0.00	0.00	0.99	0.00
PWOPRSES0005534	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0005535	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005536	1.15	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005537	1.00	0.00	0.00	0.00	0.01	0.02	0.00	0.97	0.03	0.00
PWOPRSES0005539	1.00	0.05	0.00	0.00	0.01	0.01	0.00	0.94	0.00	0.00
PWOPRSES0005540	1.42	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005541	1.00	0.00	0.00	0.00	0.89	0.10	0.00	0.00	0.00	0.00
PWOPRSES0005710	1.00	0.75	0.06	0.00	0.18	0.01	0.00	0.00	0.97	0.00
PWOPRSES0005734	1.00	0.00	0.00	0.00	0.17	0.00	0.00	0.82	0.16	0.00
PWOPRSES0005735	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0005736	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.00	0.00
PWOPRSES0005739	1.00	0.00	0.81	0.00	0.01	0.17	0.00	0.00	1.00	0.00

PWOPRSES0005744	1.00	0.00	0.81	0.00	0.15	0.04	0.00	0.00	0.98	0.00
PWOPRSES0005766	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.00	0.00
PWOPRSES0005767	1.00	0.00	0.00	0.00	0.00	0.09	0.00	0.91	0.00	0.00
PWOPRSES0005768	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005769	1.00	0.00	0.78	0.00	0.21	0.01	0.00	0.00	0.99	0.00
PWOPRSES0005770	1.00	0.00	0.81	0.00	0.08	0.10	0.00	0.00	0.01	0.00
PWOPRSES0005771	1.48	0.00	0.00	0.00	0.05	0.04	0.00	0.91	0.02	0.00
PWOPRSES0006537	1.00	0.00	0.81	0.00	0.19	0.00	0.00	0.00	0.98	0.00
PWOPRSES0006538	1.00	0.97	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0006542	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0006547	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0006548	1.00	0.99	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0006549	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0006550	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0006551	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.00	0.00
PWOPRSES0006552	1.00	0.00	0.00	0.00	0.06	0.10	0.00	0.83	0.00	0.00
PWOPRSES0006553	1.00	0.27	0.48	0.00	0.24	0.01	0.00	0.00	0.98	0.00
PWOPRSES0006554	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.97	0.00	0.00
PWOPRSES0006555	1.00	0.00	0.00	0.00	0.03	0.01	0.00	0.95	0.04	0.00
PWOPRSES0006576	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0006577	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
STMEasement	1.00	0.70	0.10	0.00	0.20	0.00	0.00	0.00	1.00	0.00
SWMPOND_OUT	1.00	0.00	0.78	0.00	0.21	0.01	0.00	0.00	0.95	0.00

****
Conduit Surcharge Summary
****

Conduit	Hours Full: Both Ends	Hours Full: Upstream	Hours Full: Dnstream	Hours Above Full Normal Flow	Hours Capacity Limited
16	0.01	0.01	0.98	0.01	0.01
22	0.01	0.01	0.01	0.07	0.01
23	0.01	0.01	0.01	5.54	0.01
7	0.01	0.01	0.98	0.01	0.01
70	0.01	0.01	0.01	8.60	0.01

Analysis begun on: Fri Jan 14 16:21:07 2022
Analysis ended on: Fri Jan 14 16:22:00 2022
Total elapsed time: 00:00:53

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EPA STORM WATER MANAGEMENT MODEL - VERSION 5.1 (Build 5.1.013)
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Climate Change Model of Scenario 3

WARNING 03: negative offset ignored for Link 1
WARNING 03: negative offset ignored for Link 1
WARNING 03: negative offset ignored for Link 10
WARNING 03: negative offset ignored for Link 10
WARNING 03: negative offset ignored for Link 11
WARNING 03: negative offset ignored for Link 11
WARNING 03: negative offset ignored for Link 13
WARNING 03: negative offset ignored for Link 13
WARNING 03: negative offset ignored for Link 14
WARNING 03: negative offset ignored for Link 14
WARNING 03: negative offset ignored for Link 15
WARNING 03: negative offset ignored for Link 15
WARNING 03: negative offset ignored for Link 17
WARNING 03: negative offset ignored for Link 17
WARNING 03: negative offset ignored for Link 18
WARNING 03: negative offset ignored for Link 18
WARNING 03: negative offset ignored for Link 19
WARNING 03: negative offset ignored for Link 19
WARNING 03: negative offset ignored for Link 2
WARNING 03: negative offset ignored for Link 2
WARNING 03: negative offset ignored for Link 20
WARNING 03: negative offset ignored for Link 20
WARNING 03: negative offset ignored for Link 21
WARNING 03: negative offset ignored for Link 21
WARNING 03: negative offset ignored for Link 22
WARNING 03: negative offset ignored for Link 22
WARNING 03: negative offset ignored for Link 23
WARNING 03: negative offset ignored for Link 23
WARNING 03: negative offset ignored for Link 24
WARNING 03: negative offset ignored for Link 24
WARNING 03: negative offset ignored for Link 25
WARNING 03: negative offset ignored for Link 25
WARNING 03: negative offset ignored for Link 26
WARNING 03: negative offset ignored for Link 26
WARNING 03: negative offset ignored for Link 27
WARNING 03: negative offset ignored for Link 27
WARNING 03: negative offset ignored for Link 28
WARNING 03: negative offset ignored for Link 28
WARNING 03: negative offset ignored for Link 29
WARNING 03: negative offset ignored for Link 29
WARNING 03: negative offset ignored for Link 3
WARNING 03: negative offset ignored for Link 3
WARNING 03: negative offset ignored for Link 30
WARNING 03: negative offset ignored for Link 30
WARNING 03: negative offset ignored for Link 31
WARNING 03: negative offset ignored for Link 31
WARNING 03: negative offset ignored for Link 32
WARNING 03: negative offset ignored for Link 32
WARNING 03: negative offset ignored for Link 33
WARNING 03: negative offset ignored for Link 33
WARNING 03: negative offset ignored for Link 34
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WARNING 03: negative offset ignored for Link 34
WARNING 03: negative offset ignored for Link 35
WARNING 03: negative offset ignored for Link 35
WARNING 03: negative offset ignored for Link 37
WARNING 03: negative offset ignored for Link 37
WARNING 03: negative offset ignored for Link 38
WARNING 03: negative offset ignored for Link 38
WARNING 03: negative offset ignored for Link 4
WARNING 03: negative offset ignored for Link 4
WARNING 03: negative offset ignored for Link 40
WARNING 03: negative offset ignored for Link 40
WARNING 03: negative offset ignored for Link 41
WARNING 03: negative offset ignored for Link 41
WARNING 03: negative offset ignored for Link 42
WARNING 03: negative offset ignored for Link 42
WARNING 03: negative offset ignored for Link 47
WARNING 03: negative offset ignored for Link 47
WARNING 03: negative offset ignored for Link 5
WARNING 03: negative offset ignored for Link 5
WARNING 03: negative offset ignored for Link 6
WARNING 03: negative offset ignored for Link 6
WARNING 03: negative offset ignored for Link 7
WARNING 03: negative offset ignored for Link 7
WARNING 03: negative offset ignored for Link 8
WARNING 03: negative offset ignored for Link 8
WARNING 03: negative offset ignored for Link 9
WARNING 03: negative offset ignored for Link 9
WARNING 03: negative offset ignored for Link PWOPRSES0001575
WARNING 03: negative offset ignored for Link PWOPRSES0001978
WARNING 02: maximum depth increased for Node 11
WARNING 02: maximum depth increased for Node 13
WARNING 02: maximum depth increased for Node 22
WARNING 02: maximum depth increased for Node 24
WARNING 02: maximum depth increased for Node 36
WARNING 02: maximum depth increased for Node 8
WARNING 02: maximum depth increased for Node 9
WARNING 02: maximum depth increased for Node PWOPRMHS0001401
WARNING 02: maximum depth increased for Node PWOPRMHS0001402
WARNING 02: maximum depth increased for Node PWOPRMHS0001602
WARNING 02: maximum depth increased for Node PWOPRMHS0001611
WARNING 02: maximum depth increased for Node PWOPRMHS0001662
WARNING 02: maximum depth increased for Node PWOPRMHS0001670
WARNING 02: maximum depth increased for Node PWOPRMHS0001688
WARNING 02: maximum depth increased for Node PWOPRMHS0004129
WARNING 02: maximum depth increased for Node PWOPRMHS0004130
WARNING 02: maximum depth increased for Node PWOPRMHS0004141
WARNING 02: maximum depth increased for Node PWOPRMHS0005230
WARNING 02: maximum depth increased for Node PWOPRMHS0005930
WARNING 02: maximum depth increased for Node PWOPRMHS0005931
WARNING 02: maximum depth increased for Node PWOPRMHS0005945
WARNING 02: maximum depth increased for Node SWMPOND

*******************************************************
NOTE: The summary statistics displayed in this report are
based on results found at every computational time step,
not just on results from each reporting time step.
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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 ...... GREEN_AMPT
Flow Routing Method ...... DYNWAVE
Surcharge Method ......... EXTRAN
Starting Date ............ 09/01/2021 00:00:00
Ending Date .............. 09/04/2021 00:00:00
Antecedent Dry Days ...... 0.0
Report Time Step ......... 00:05:00
Wet Time Step ............ 00:05:00
Dry Time Step ............ 00:15:00
Routing Time Step ........ 1.00 sec
Variable Time Step ....... YES
Maximum Trials ........... 8
Number of Threads ........ 4
Head Tolerance ........... 0.001500 m

**************************        Volume         Depth
Runoff Quantity Continuity     hectare-m            mm
**************************     ---------       -------
Total Precipitation ......       293.580       172.690
Evaporation Loss .........         1.964         1.156
Infiltration Loss ........        89.450        52.616
Surface Runoff ...........       202.424       119.070
Final Storage ............         0.000         0.000
Continuity Error (%) .....        -0.088


**************************        Volume        Volume
Flow Routing Continuity        hectare-m      10^6 ltr
**************************     ---------     ---------
Dry Weather Inflow .......         0.000         0.000
Wet Weather Inflow .......       202.424      2024.261
Groundwater Inflow .......         0.000         0.000
RDII Inflow ..............         0.000         0.000
External Inflow ..........         0.000         0.000
External Outflow .........        85.394       853.952
Flooding Loss ............       117.196      1171.973
Evaporation Loss .........         0.009         0.090
Exfiltration Loss ........         0.000         0.000
Initial Stored Volume ....         0.000         0.001
Final Stored Volume ......         0.000         0.002
Continuity Error (%) .....        -0.087
```

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**************************
Time-Step Critical Elements
**************************
None


********************************
Highest Flow Instability Indexes
********************************
Link 23 (4)
Link 22 (4)
Link 24 (3)
Link 41 (1)


*************************
Routing Time Step Summary
*************************
Minimum Time Step           :     0.50 sec
Average Time Step           :     1.00 sec
Maximum Time Step           :     1.00 sec
Percent in Steady State     :     0.00
Average Iterations per Step :     2.02
Percent Not Converging      :     0.10


***************************
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
A1	172.69	49.36	1.11	51.30	68.25	101.54	169.79	14.23	2.42	0.765
A1.1	172.69	0.00	1.35	33.04	52.96	85.47	138.43	59.27	9.04	0.802
A1.1_FRST	172.69	0.00	0.96	58.18	8.54	105.14	113.68	4.14	0.74	0.658
A2	172.69	46.41	1.02	55.54	56.47	106.22	162.69	18.70	3.36	0.743
A2.1	172.69	0.00	0.96	55.34	34.16	82.35	116.51	15.03	2.60	0.675
A2.1_FRST	172.69	0.00	0.74	75.30	8.54	88.24	96.78	3.17	0.63	0.560
A2.2	172.69	0.00	1.21	39.26	58.08	74.29	132.36	11.18	1.76	0.766
A2.2_FRST	172.69	0.00	0.74	74.82	8.54	88.73	97.27	2.16	0.43	0.563
A3	172.69	56.17	0.99	68.97	61.28	97.77	159.05	90.30	16.84	0.695
A3.1	172.69	0.00	1.25	37.25	37.57	96.72	134.30	8.66	1.36	0.778
A3.1_FRST	172.69	0.00	0.76	77.03	8.54	86.46	95.00	12.53	2.48	0.550
A3.2	172.69	0.00	1.25	38.24	61.50	71.85	133.35	43.10	6.74	0.772
A3.2_FRST	172.69	0.00	0.70	88.12	8.54	75.43	83.97	6.21	1.30	0.486
A3.3	172.69	0.00	1.28	37.24	39.29	94.99	134.28	94.29	14.68	0.778
A3.3_FRST	172.69	0.00	0.70	95.32	8.54	68.21	76.75	13.15	2.67	0.444
A4	172.69	101.13	1.21	48.73	108.76	115.27	224.03	225.19	39.14	0.818
A4.1	172.69	0.00	1.21	37.32	34.15	100.20	134.34	1.38	0.22	0.778
A4.1_FRST	172.69	0.00	0.72	81.79	8.54	81.76	90.29	4.99	1.03	0.523
A4.2	172.69	0.00	1.33	33.95	49.54	88.00	137.54	13.49	2.07	0.796
A4.2_FRST	172.69	0.00	0.88	69.35	8.54	94.00	102.54	16.56	3.00	0.594
A4.3	172.69	0.00	1.55	22.94	104.22	44.18	148.40	69.70	10.02	0.859
A4.3_FRST	172.69	0.00	0.65	95.83	8.54	67.78	76.31	6.19	1.37	0.442

A4.4_FRST	172.69	0.00	0.67	103.86	8.54	59.70	68.24	12.72	2.60	0.395
A4.5	172.69	0.00	1.34	33.92	49.54	88.02	137.56	149.67	22.95	0.797
A4.5_FRST	172.69	0.00	1.00	60.17	8.54	103.08	111.62	16.77	2.93	0.646
A4.6	172.69	0.00	1.34	41.99	88.85	40.70	129.55	192.99	30.36	0.750
A4.6_FRST	172.69	0.00	0.69	98.97	8.54	64.57	73.11	44.42	9.01	0.423
B1	172.69	148.35	1.23	40.55	51.05	228.37	279.42	8.62	1.40	0.870
B1.1	172.69	0.00	1.22	37.72	34.15	99.75	133.90	1.34	0.21	0.775
B1.1_FRST	172.69	0.00	1.17	48.01	8.54	115.07	123.61	4.58	0.76	0.716
B2	172.69	341.71	1.17	49.59	71.74	392.15	463.89	13.51	2.23	0.902
B2.1	172.69	0.00	1.14	42.29	18.78	110.60	129.38	8.38	1.36	0.749
B2.1_FRST	172.69	0.00	1.18	48.20	8.54	114.87	123.40	9.95	1.65	0.715
C1	172.69	90.51	1.52	27.93	159.40	74.53	233.93	7.38	1.21	0.889
C1.1	172.69	0.00	1.57	22.98	104.22	44.12	148.33	182.90	26.31	0.859
C1.1_FRST	172.69	0.00	0.77	69.64	8.54	93.87	102.41	2.86	0.55	0.593
D1	172.69	190.72	1.53	35.08	220.51	106.46	326.98	43.01	6.88	0.900
D1.1	172.69	0.00	1.46	38.77	104.22	28.46	132.67	158.97	24.37	0.768
D1.1_FRST	172.69	0.00	0.78	89.26	8.54	74.17	82.71	25.09	4.44	0.479
D2	172.69	83.98	1.44	37.27	137.57	80.56	218.13	38.32	6.13	0.850
D2.1	172.69	0.00	1.37	44.28	92.25	34.98	127.23	66.47	10.50	0.737
D2.1_FRST	172.69	0.00	0.73	94.51	8.54	68.97	77.51	14.75	2.74	0.449
D3	172.69	0.00	1.49	28.78	102.51	40.10	142.62	8.00	1.18	0.826
D3.1	172.69	0.00	1.44	38.15	102.51	30.80	133.31	48.17	7.38	0.772
D4	172.69	309.96	1.14	58.97	168.26	254.52	422.78	14.88	2.78	0.876
D4.1	172.69	0.00	1.36	43.38	90.55	37.60	128.14	30.00	4.73	0.742
D4.1_FRST	172.69	0.00	0.70	92.13	8.54	71.40	79.94	10.91	2.21	0.463
E1	172.69	919.07	1.05	68.53	196.17	826.50	1022.67	29.94	5.22	0.937
E1.1	172.69	0.00	0.97	57.29	39.29	75.26	114.55	20.63	3.59	0.663
E1.1_FRST	172.69	0.00	0.77	90.09	8.54	73.37	81.91	26.91	4.94	0.474
E2	172.69	126.51	1.05	47.99	56.47	193.89	250.36	1.97	0.34	0.837
E2.1	172.69	0.00	1.22	38.67	32.45	100.47	132.92	12.33	1.95	0.770
E2.1_FRST	172.69	0.00	0.92	57.88	8.54	105.52	114.06	0.99	0.18	0.660
E3	172.69	84.72	0.87	78.43	56.20	122.08	178.28	25.00	5.03	0.693
E3.1	172.69	0.00	0.93	58.77	37.57	75.56	113.13	25.81	4.55	0.655
E3.1_FRST	172.69	0.00	0.72	81.15	8.54	82.39	90.93	11.88	2.44	0.527
HC01-01	172.69	0.00	1.03	52.25	49.01	70.54	119.55	7.44	1.26	0.692
HC01-02	172.69	0.00	0.98	54.41	42.35	75.11	117.46	2.67	0.46	0.680
HC01-03	172.69	0.00	0.98	54.52	42.35	74.98	117.33	1.41	0.24	0.679
HC01-04	172.69	0.00	0.90	59.93	33.13	78.87	111.99	2.79	0.50	0.649
HC01-05	172.69	0.00	0.98	54.34	42.35	75.18	117.52	2.94	0.50	0.681
HC01-06	172.69	0.00	0.98	54.52	42.35	74.98	117.33	1.55	0.27	0.679
HC01-07	172.69	0.00	1.00	55.18	42.36	74.28	116.64	0.82	0.14	0.675
HC01-08	172.69	0.00	0.98	54.45	42.35	75.06	117.41	0.61	0.10	0.680
HC01-09	172.69	0.00	0.99	54.81	42.35	74.67	117.02	0.77	0.13	0.678
HC01-10	172.69	0.00	0.98	54.53	42.35	74.97	117.32	1.34	0.23	0.679
HC01-11	172.69	0.00	0.99	54.79	42.35	74.69	117.04	1.63	0.28	0.678
HC01-12	172.69	0.00	1.00	49.75	42.35	79.75	122.10	3.79	0.63	0.707
HC02-01	172.69	0.00	1.16	44.99	63.71	62.98	126.69	0.47	0.08	0.734
HC02-02	172.69	0.00	1.38	33.54	86.11	51.85	137.96	2.99	0.45	0.799
HC02-03	172.69	0.00	1.26	39.27	73.80	58.53	132.32	0.25	0.04	0.766
HC02-04	172.69	0.00	1.04	49.79	49.86	72.17	122.03	0.50	0.08	0.707
HC02-05	172.69	0.00	0.85	60.94	25.27	85.78	111.05	3.29	0.59	0.643
HC02-06	172.69	0.00	0.86	60.89	25.95	85.13	111.08	1.99	0.36	0.643
HC02-07	172.69	0.00	0.84	63.94	21.86	86.18	108.04	0.84	0.15	0.626
HC02-08	172.69	0.00	0.80	65.02	19.81	87.20	107.01	1.35	0.25	0.620
HC02-09	172.69	0.00	0.85	63.53	23.22	85.20	108.43	0.94	0.17	0.628
HC02-10	172.69	0.00	0.82	64.76	21.17	86.07	107.24	1.01	0.19	0.621
HC02-11	172.69	0.00	0.84	63.00	23.22	85.76	108.98	1.62	0.30	0.631

HC02-12	172.69	0.00	0.84	65.65	21.18	85.13	106.31	2.29	0.42	0.616
HC02-13	172.69	0.00	0.81	65.57	19.81	86.62	106.42	0.89	0.17	0.616
HC02-14	172.69	0.00	0.81	64.93	20.49	86.59	107.08	0.99	0.18	0.620
HC02-15	172.69	0.00	0.83	62.89	22.54	86.59	109.12	1.75	0.32	0.632
HC02-16	172.69	0.00	0.71	83.62	23.90	64.62	88.53	0.45	0.09	0.513
HC02-17	172.69	0.00	0.86	57.93	22.54	91.49	114.03	2.69	0.47	0.660
HC02-18	172.69	0.00	0.71	83.46	23.90	64.81	88.71	3.40	0.71	0.514
HC02-19	172.69	0.00	0.76	86.57	24.60	60.86	85.46	1.30	0.26	0.495
HC02-20	172.69	0.00	1.12	45.53	60.10	66.10	126.20	0.56	0.09	0.731
HC02-21	172.69	0.00	0.85	62.58	24.59	84.79	109.38	3.84	0.70	0.633
HC02-22	172.69	0.00	0.85	62.58	24.59	84.79	109.38	3.25	0.59	0.633
HC02-23	172.69	0.00	1.24	39.35	73.10	59.16	132.26	0.53	0.08	0.766
HC02-24	172.69	0.00	1.45	26.49	99.72	45.21	144.93	0.10	0.01	0.839
HC02-25	172.69	0.00	1.28	36.53	78.38	56.68	135.06	1.53	0.24	0.782
HC02-26	172.69	0.00	1.40	29.63	93.57	48.27	141.84	0.48	0.07	0.821
HC02-27	172.69	0.00	0.76	78.96	30.73	62.42	93.16	0.70	0.14	0.539
HC02-28	172.69	0.00	0.77	79.20	30.74	62.16	92.90	0.53	0.11	0.538
HC02-29	172.69	0.00	1.12	57.24	68.33	46.18	114.50	0.61	0.10	0.663
HC02-30	172.69	0.00	0.58	78.25	2.05	91.91	93.96	1.39	0.28	0.544
HC02-31	172.69	0.00	0.73	81.79	25.95	64.38	90.33	2.19	0.45	0.523
HC02-32	172.69	0.00	0.72	82.69	24.59	64.89	89.47	1.92	0.40	0.518
HC02-33	172.69	0.00	0.75	82.86	25.96	63.26	89.22	0.74	0.15	0.517
HC02-34	172.69	0.00	0.89	70.14	44.40	57.45	101.84	0.31	0.06	0.590
HC02-35	172.69	0.00	0.58	76.35	2.73	93.16	95.89	0.96	0.19	0.555
HC02-36	172.69	0.00	0.56	92.28	9.56	70.56	80.12	0.35	0.08	0.464
HC02-37	172.69	0.00	0.57	93.23	8.88	70.23	79.11	0.80	0.18	0.458
HC02-38	172.69	0.00	0.85	63.58	23.22	85.15	108.37	3.37	0.61	0.628
HC02-39	172.69	0.00	0.86	67.79	19.81	84.32	104.13	0.92	0.17	0.603
HC03-01	172.69	0.00	1.13	44.66	54.65	72.39	127.05	2.85	0.46	0.736
HC03-02	172.69	0.00	0.85	60.57	25.95	85.48	111.43	0.89	0.16	0.645
HC03-03	172.69	0.00	0.89	57.60	32.10	82.32	114.42	0.15	0.03	0.663
HC03-04	172.69	0.00	0.91	58.09	32.10	81.74	113.84	1.17	0.21	0.659
HC03-05	172.69	0.00	1.15	43.82	62.84	65.06	127.90	0.42	0.07	0.741
HC03-06	172.69	0.00	0.83	62.32	23.56	86.14	109.70	5.66	1.03	0.635
HC03-07	172.69	0.00	0.86	60.86	25.95	85.16	111.11	2.01	0.36	0.643
HC03-08	172.69	0.00	0.72	82.79	26.46	62.90	89.37	3.90	0.81	0.518
HC03-09	172.69	0.00	0.85	76.15	39.79	56.06	95.85	1.86	0.36	0.555
HC03-10	172.69	0.00	0.68	86.59	20.49	65.10	85.59	1.45	0.31	0.496
HC03-11	172.69	0.00	0.74	82.11	28.17	61.84	90.02	2.26	0.46	0.521
HC03-12	172.69	0.00	0.73	85.50	23.91	62.68	86.59	1.02	0.21	0.501
HC03-13	172.69	0.00	0.78	78.18	32.10	61.78	93.88	0.36	0.07	0.544
HC03-14	172.69	0.00	1.41	35.63	99.76	36.07	135.84	0.18	0.03	0.787
HC03-15	172.69	0.00	0.71	84.25	23.22	64.67	87.89	0.54	0.11	0.509
HC03-16	172.69	0.00	0.82	76.10	36.20	59.72	95.92	0.30	0.06	0.555
HC03-17	172.69	0.00	1.15	43.78	62.84	65.11	127.95	0.15	0.02	0.741
HC03-18	172.69	0.00	1.53	22.97	109.30	39.06	148.36	0.15	0.02	0.859
HC03-19	172.69	0.00	0.75	67.44	14.34	90.38	104.72	8.25	1.55	0.606
HC03-20	172.69	0.00	0.69	73.26	4.10	94.77	98.87	1.48	0.29	0.573
HC04-01	172.69	0.00	0.94	55.96	30.74	85.17	115.91	4.16	0.72	0.671
HC04-02	172.69	0.00	0.70	85.26	23.73	63.15	86.89	0.57	0.12	0.503
HC04-03	172.69	0.00	0.72	84.55	25.44	62.12	87.57	1.05	0.22	0.507
HC04-04	172.69	0.00	0.94	56.29	30.74	84.83	115.57	6.10	1.06	0.669
HC04-05	172.69	0.00	0.76	80.47	30.05	61.58	91.64	0.57	0.12	0.531
HC04-06	172.69	0.00	0.77	81.45	30.06	60.56	90.61	0.97	0.20	0.525
HC04-07	172.69	0.00	1.09	58.16	65.59	48.01	113.60	0.10	0.02	0.658
HC04-08	172.69	0.00	0.74	83.64	26.47	62.00	88.47	0.30	0.06	0.512
HC04-09	172.69	0.00	0.77	81.15	30.05	60.86	90.92	0.48	0.10	0.526

HC04-10	172.69	0.00	0.78	81.56	30.06	60.44	90.49	0.56	0.11	0.524
HC04-11	172.69	0.00	0.74	83.02	28.52	60.60	89.11	0.81	0.17	0.516
HC04-12	172.69	0.00	0.70	85.69	22.54	63.90	86.44	1.90	0.40	0.501
HC04-13	172.69	0.00	0.74	82.18	25.95	63.96	89.92	0.27	0.06	0.521
HC04-14	172.69	0.00	0.87	64.01	23.91	84.01	107.92	3.01	0.55	0.625
HC04-15	172.69	0.00	0.84	62.84	23.90	85.23	109.13	4.27	0.78	0.632
HC04-16	172.69	0.00	0.86	61.03	25.95	84.98	110.93	0.51	0.09	0.642
HC04-17	172.69	0.00	0.89	59.84	30.05	82.06	112.11	2.53	0.45	0.649
HC04-18	172.69	0.00	0.95	57.91	36.04	77.92	113.96	0.30	0.05	0.660
HC04-19	172.69	0.00	0.81	64.82	20.49	86.71	107.20	1.39	0.26	0.621
HC04-20	172.69	0.00	0.80	64.50	20.49	87.06	107.55	0.60	0.11	0.623
HC04-21	172.69	0.00	0.88	59.84	29.37	82.77	112.13	0.17	0.03	0.649
HC04-22	172.69	0.00	0.91	58.60	32.78	80.55	113.33	0.26	0.05	0.656
HC04-23	172.69	0.00	0.87	59.97	30.05	82.01	112.06	0.63	0.11	0.649
HC04-24	172.69	0.00	0.83	61.74	24.59	85.71	110.30	0.14	0.03	0.639
HC04-25	172.69	0.00	0.86	57.48	23.22	91.27	114.49	0.89	0.16	0.663
HC04-26	172.69	0.00	0.74	89.84	21.87	60.35	82.21	0.61	0.12	0.476
HC04-27	172.69	0.00	0.79	65.65	18.44	87.94	106.38	0.38	0.07	0.616
HC04-28	172.69	0.00	0.74	82.11	25.95	64.03	89.99	0.66	0.14	0.521
HC04-29	172.69	0.00	0.87	57.66	23.22	91.08	114.30	4.14	0.73	0.662
HC04-30	172.69	0.00	0.87	57.28	23.90	90.78	114.68	2.22	0.39	0.664
HC04-31	172.69	0.00	0.93	69.13	47.82	54.98	102.80	0.49	0.09	0.595
HC04-32	172.69	0.00	0.74	82.45	25.96	63.69	89.65	0.30	0.06	0.519
HC04-33	172.69	0.00	0.71	84.45	23.22	64.47	87.69	0.99	0.21	0.508
HC04-34	172.69	0.00	0.59	93.95	9.56	68.76	78.32	1.21	0.28	0.454
HC04-35	172.69	0.00	0.71	84.77	23.22	64.13	87.35	0.43	0.09	0.506
HC04-36	172.69	0.00	1.11	43.45	55.50	72.81	128.30	3.76	0.60	0.743
HC05-01	172.69	0.00	0.82	58.84	20.49	92.71	113.20	6.78	1.20	0.655
HC05-02	172.69	0.00	0.84	58.81	21.17	92.03	113.20	3.66	0.65	0.655
HC05-03	172.69	0.00	1.67	16.50	129.77	24.89	154.66	0.17	0.02	0.896
HC05-04	172.69	0.00	0.66	87.97	19.12	65.10	84.22	0.41	0.09	0.488
HC05-05	172.69	0.00	0.75	82.65	25.62	63.80	89.41	0.82	0.17	0.518
HC05-06	172.69	0.00	0.75	80.97	28.69	62.44	91.13	0.38	0.08	0.528
HC05-07	172.69	0.00	0.70	85.25	22.54	64.35	86.89	0.63	0.13	0.503
HC05-08	172.69	0.00	0.71	84.79	23.22	64.11	87.33	1.92	0.40	0.506
HC05-09	172.69	0.00	0.73	87.62	22.54	61.91	84.46	0.23	0.05	0.489
HC05-10	172.69	0.00	0.76	79.21	30.05	62.88	92.93	0.33	0.07	0.538
HC05-11	172.69	0.00	0.57	93.43	8.88	70.02	78.90	2.50	0.57	0.457
HC06-01	172.69	0.00	0.86	60.97	25.95	85.04	111.00	0.36	0.06	0.643
HC06-02	172.69	0.00	0.88	62.19	25.28	84.46	109.74	0.71	0.13	0.635
HC06-03	172.69	0.00	0.71	79.10	0.00	92.97	92.97	1.39	0.26	0.538
HC06-04	172.69	0.00	0.67	76.60	0.68	94.84	95.52	1.06	0.21	0.553
HC06-05	172.69	0.00	0.80	65.02	18.44	88.56	107.00	0.37	0.07	0.620
HC06-06	172.69	0.00	0.82	63.28	21.85	86.88	108.74	1.71	0.31	0.630
HC06-07	172.69	0.00	0.82	58.54	19.12	94.41	113.53	0.45	0.08	0.657
HC06-08	172.69	0.00	0.84	61.86	24.59	85.57	110.15	4.57	0.83	0.638
HC06-09	172.69	0.00	0.81	62.74	22.20	87.12	109.32	2.85	0.52	0.633
HC06-10	172.69	0.00	0.82	63.13	21.85	87.05	108.90	2.61	0.48	0.631
HC06-11	172.69	0.00	0.91	53.82	30.05	88.08	118.13	0.26	0.04	0.684
HC06-12	172.69	0.00	1.01	49.05	42.35	80.45	122.80	0.25	0.04	0.711
HC06-13	172.69	0.00	1.28	43.28	87.44	40.86	128.30	0.36	0.06	0.743
HC06-14	172.69	0.00	0.89	67.68	39.28	64.97	104.25	1.89	0.35	0.604
HC06-15	172.69	0.00	1.77	11.44	136.66	23.01	159.67	0.19	0.03	0.925
HC06-16	172.69	0.00	1.56	24.80	114.45	32.07	146.52	0.41	0.06	0.848
HC06-17	172.69	0.00	0.88	69.75	37.57	64.62	102.20	1.57	0.30	0.592
HC06-18	172.69	0.00	1.37	39.33	94.64	37.54	132.18	3.52	0.54	0.765
HC06-19	172.69	0.00	1.74	11.39	136.60	23.07	159.67	0.05	0.01	0.925

HC06-20	172.69	0.00	1.76	11.43	136.65	23.03	159.68	0.34	0.05	0.925
HC06-21	172.69	0.00	1.64	26.94	114.40	29.88	144.29	1.83	0.27	0.836
HC06-22	172.69	0.00	1.75	11.40	136.61	23.06	159.67	0.10	0.01	0.925
HC06-23	172.69	0.00	1.64	23.38	119.58	28.30	147.88	2.22	0.32	0.856
HC06-24	172.69	0.00	1.75	11.40	136.63	23.05	159.68	0.19	0.03	0.925
HC06-25	172.69	0.00	0.91	53.75	30.05	88.15	118.21	3.96	0.68	0.684
HC06-26	172.69	0.00	0.89	73.00	43.72	55.22	98.95	2.61	0.50	0.573
HC06-27	172.69	0.00	1.68	16.52	129.80	24.85	154.65	0.25	0.03	0.896
HC06-28	172.69	0.00	1.82	11.54	136.67	22.88	159.55	0.32	0.04	0.924
HC06-29	172.69	0.00	0.80	63.38	13.66	94.98	108.64	1.35	0.25	0.629
HC06-30	172.69	0.00	1.33	33.14	81.99	56.40	138.39	0.46	0.07	0.801
HC06-31	172.69	0.00	0.56	75.56	2.73	94.02	96.75	1.75	0.35	0.560
HC06-32	172.69	0.00	0.59	95.42	8.88	67.93	76.81	1.04	0.24	0.445
HC07-01	172.69	0.00	0.79	82.79	29.38	59.86	89.24	2.70	0.55	0.517
HC07-02	172.69	0.00	0.79	80.17	32.11	59.77	91.88	1.06	0.21	0.532
HC07-03	172.69	0.00	0.73	81.92	25.95	64.27	90.22	0.33	0.07	0.522
HC07-04	172.69	0.00	0.69	86.85	19.81	65.49	85.30	0.29	0.06	0.494
HC07-05	172.69	0.00	0.77	86.72	25.97	59.34	85.31	0.25	0.05	0.494
HC07-06	172.69	0.00	0.74	86.08	23.91	62.08	85.99	1.77	0.37	0.498
HC07-07	172.69	0.00	0.71	84.97	23.91	63.24	87.15	0.33	0.07	0.505
HC07-08	172.69	0.00	1.45	41.99	98.37	31.06	129.43	0.25	0.04	0.750
HC07-09	172.69	0.00	0.79	63.02	30.05	79.01	109.06	0.27	0.05	0.632
HC08-01	172.69	0.00	0.92	55.41	29.37	87.12	116.50	0.80	0.14	0.675
HC08-02	172.69	0.00	0.95	54.15	32.11	85.60	117.71	2.73	0.47	0.682
HC08-03	172.69	0.00	0.75	83.12	25.96	62.99	88.95	1.78	0.37	0.515
HC08-04	172.69	0.00	0.86	60.85	19.81	91.28	111.09	0.77	0.14	0.643
HC08-05	172.69	0.00	0.90	55.32	25.95	90.65	116.60	0.76	0.13	0.675
HC08-06	172.69	0.00	0.87	57.64	23.91	90.40	114.30	1.35	0.24	0.662
HC08-07	172.69	0.00	0.87	57.51	23.90	90.53	114.43	0.63	0.11	0.663
HC08-08	172.69	0.00	1.49	25.29	98.40	47.69	146.09	0.60	0.09	0.846
HC08-09	172.69	0.00	0.95	53.65	30.06	88.15	118.21	2.10	0.36	0.684
HC08-10	172.69	0.00	0.69	66.56	2.73	102.89	105.62	1.39	0.26	0.612
HC09-01	172.69	0.00	0.82	81.44	34.16	56.40	90.56	0.86	0.17	0.524
HC09-02	172.69	0.00	0.71	86.34	23.90	61.89	85.80	0.88	0.19	0.497
HC09-03	172.69	0.00	0.74	84.47	25.96	61.66	87.61	0.85	0.18	0.507
HC09-04	172.69	0.00	0.67	88.28	19.12	64.77	83.89	2.13	0.46	0.486
HC09-05	172.69	0.00	0.69	86.63	21.17	64.35	85.52	2.22	0.48	0.495
HC09-06	172.69	0.00	0.68	86.95	20.49	64.73	85.22	1.05	0.22	0.493
HC09-07	172.69	0.00	0.62	90.19	13.66	68.37	82.03	0.39	0.09	0.475
HC10-01	172.69	0.00	0.68	87.57	21.00	63.59	84.59	3.78	0.81	0.490
HC10-02	172.69	0.00	0.94	69.21	48.34	54.35	102.69	2.60	0.48	0.595
HC10-03	172.69	0.00	0.93	72.26	45.95	53.69	99.64	1.85	0.35	0.577
HC10-04	172.69	0.00	0.73	83.21	26.47	62.45	88.91	1.64	0.34	0.515
HC10-05	172.69	0.00	0.73	86.72	24.25	61.11	85.37	2.06	0.43	0.494
HC10-06	172.69	0.00	0.70	87.33	21.17	63.62	84.79	1.13	0.24	0.491
HC10-07	172.69	0.00	0.75	82.48	28.17	61.44	89.62	1.53	0.32	0.519
HC10-08	172.69	0.00	0.71	83.54	25.44	63.22	88.66	1.06	0.22	0.513
HC10-09	172.69	0.00	0.69	87.32	20.83	63.99	84.82	1.18	0.25	0.491
HC10-10	172.69	0.00	0.71	84.01	25.44	62.71	88.15	0.25	0.05	0.510
HC10-11	172.69	0.00	0.78	78.15	33.29	60.67	93.97	0.25	0.05	0.544
HC10-12	172.69	0.00	0.58	75.30	4.10	92.86	96.96	0.87	0.17	0.561
HC10-13	172.69	0.00	0.75	83.83	27.33	60.92	88.24	0.52	0.11	0.511
HC10-14	172.69	0.00	0.74	82.48	27.83	61.80	89.63	0.41	0.09	0.519
HC10-15	172.69	0.00	0.74	81.90	28.17	62.06	90.23	0.36	0.07	0.523

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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
1	JUNCTION	0.04	0.90	333.54	0 05:15	0.90
11	JUNCTION	0.19	2.90	319.50	0 05:15	2.90
12	JUNCTION	0.20	2.93	318.43	0 05:15	2.93
13	JUNCTION	0.24	3.00	317.50	0 04:18	3.00
14	JUNCTION	0.04	1.08	332.18	0 05:15	1.08
15	JUNCTION	0.28	3.00	316.95	0 03:43	3.00
17	JUNCTION	0.16	1.95	313.95	0 05:02	1.95
18	JUNCTION	0.08	2.76	325.26	0 05:15	2.69
19	JUNCTION	0.04	1.72	325.22	0 05:11	1.61
2	JUNCTION	0.10	2.50	326.50	0 05:15	2.50
20	JUNCTION	0.06	1.41	331.51	0 05:15	1.41
21	JUNCTION	0.11	2.33	323.43	0 05:15	2.33
22	JUNCTION	0.07	2.01	323.51	0 04:28	1.97
24	JUNCTION	0.16	3.00	323.50	0 04:28	3.00
25	JUNCTION	0.09	2.44	323.54	0 04:28	2.39
26	JUNCTION	0.00	0.00	327.93	0 00:00	0.00
27	JUNCTION	0.06	1.38	327.88	0 05:15	1.38
28	JUNCTION	0.09	2.17	328.27	0 05:15	2.17
29	JUNCTION	0.07	1.53	325.42	0 05:15	1.53
3	JUNCTION	0.08	1.64	332.21	0 05:15	1.64
30	JUNCTION	0.11	2.37	322.87	0 05:15	2.37
31	JUNCTION	0.10	2.26	322.41	0 05:15	2.26
32	JUNCTION	0.12	2.57	321.57	0 05:15	2.57
34	JUNCTION	0.11	2.30	320.17	0 05:15	2.29
35	JUNCTION	0.12	2.33	319.83	0 05:15	2.32
36	JUNCTION	0.13	2.47	317.97	0 05:10	2.47
37	JUNCTION	0.04	1.10	325.20	0 05:13	1.09
39	JUNCTION	0.09	2.17	323.47	0 05:15	2.17
4	JUNCTION	0.00	0.19	325.19	0 05:11	0.18
40	JUNCTION	0.10	2.19	321.29	0 05:22	2.11
42	JUNCTION	0.08	3.00	325.10	0 04:54	3.00
48	JUNCTION	0.08	1.77	326.37	0 05:15	1.77
49	JUNCTION	0.07	1.87	323.47	0 05:15	1.87
5	JUNCTION	0.07	1.61	331.11	0 05:15	1.61
50	JUNCTION	0.14	2.89	320.99	0 05:14	2.89
53	JUNCTION	0.27	3.00	317.10	0 04:02	3.00
54	JUNCTION	0.15	1.79	315.71	0 04:08	1.77
56	JUNCTION	0.30	3.00	304.10	0 03:58	3.00
6	JUNCTION	0.07	1.64	330.64	0 05:15	1.64
7	JUNCTION	0.20	3.00	321.10	0 04:21	3.00
8	JUNCTION	0.20	4.00	324.96	0 04:41	4.00
9	JUNCTION	0.16	3.19	323.60	0 04:37	3.16
MHEasement1	JUNCTION	0.05	1.72	320.79	0 04:28	1.69
MHEasement2	JUNCTION	0.07	2.00	320.70	0 04:27	2.00
MHSchool	JUNCTION	0.03	0.78	329.33	0 05:15	0.78
MHSWM4	JUNCTION	0.04	1.15	320.40	0 05:14	1.14
PWOPRMHS0001369	JUNCTION	0.04	1.58	320.97	0 05:03	1.50
PWOPRMHS0001370	JUNCTION	0.04	1.51	320.78	0 04:32	1.47
PWOPRMHS0001371	JUNCTION	0.02	0.96	320.78	0 04:27	0.93

PWOPRMHS0001372	JUNCTION	0.01	0.62	320.77	0	04:27	0.57
PWOPRMHS0001373	JUNCTION	0.02	0.99	321.01	0	05:05	0.95
PWOPRMHS0001374	JUNCTION	0.02	1.14	320.83	0	04:28	1.07
PWOPRMHS0001375	JUNCTION	0.03	1.24	320.81	0	04:27	1.16
PWOPRMHS0001386	JUNCTION	0.08	2.28	320.89	0	05:15	2.25
PWOPRMHS0001387	JUNCTION	0.07	2.17	320.92	0	05:12	2.12
PWOPRMHS0001388	JUNCTION	0.06	2.03	320.96	0	05:04	1.94
PWOPRMHS0001389	JUNCTION	0.05	1.89	321.02	0	05:05	1.78
PWOPRMHS0001390	JUNCTION	0.01	0.57	318.06	0	04:32	0.50
PWOPRMHS0001391	JUNCTION	0.02	0.74	318.01	0	05:03	0.71
PWOPRMHS0001392	JUNCTION	0.01	0.14	318.32	0	05:15	0.14
PWOPRMHS0001393	JUNCTION	0.03	0.71	320.90	0	05:14	0.70
PWOPRMHS0001394	JUNCTION	0.03	1.14	318.00	0	05:10	1.12
PWOPRMHS0001395	JUNCTION	0.03	1.20	317.99	0	05:11	1.19
PWOPRMHS0001398	JUNCTION	0.01	0.47	317.74	0	04:20	0.44
PWOPRMHS0001399	JUNCTION	0.02	0.60	317.75	0	04:19	0.58
PWOPRMHS0001400	JUNCTION	0.02	0.67	317.66	0	04:19	0.65
PWOPRMHS0001401	JUNCTION	0.04	0.91	317.58	0	04:19	0.88
PWOPRMHS0001402	JUNCTION	0.05	1.49	317.99	0	05:11	1.48
PWOPRMHS0001403	JUNCTION	0.02	0.51	322.21	0	05:15	0.51
PWOPRMHS0001404	JUNCTION	0.02	0.43	320.97	0	05:15	0.43
PWOPRMHS0001408	JUNCTION	0.02	0.41	321.24	0	05:15	0.41
PWOPRMHS0001409	JUNCTION	0.01	0.17	327.98	0	05:15	0.17
PWOPRMHS0001410	JUNCTION	0.04	0.96	327.43	0	05:15	0.96
PWOPRMHS0001411	JUNCTION	0.01	0.27	327.74	0	05:15	0.27
PWOPRMHS0001412	JUNCTION	0.01	0.18	331.87	0	05:15	0.18
PWOPRMHS0001413	JUNCTION	0.02	0.36	332.10	0	05:15	0.36
PWOPRMHS0001415	JUNCTION	0.03	1.30	320.98	0	05:11	1.25
PWOPRMHS0001416	JUNCTION	0.05	1.43	320.42	0	05:15	1.43
PWOPRMHS0001418	JUNCTION	0.05	1.62	320.35	0	05:14	1.56
PWOPRMHS0001419	JUNCTION	0.02	0.82	320.81	0	04:28	0.74
PWOPRMHS0001420	JUNCTION	0.01	0.28	320.78	0	04:28	0.21
PWOPRMHS0001421	JUNCTION	0.01	0.19	321.13	0	05:15	0.19
PWOPRMHS0001422	JUNCTION	0.02	0.73	321.01	0	05:12	0.67
PWOPRMHS0001423	JUNCTION	0.01	0.55	320.98	0	05:13	0.52
PWOPRMHS0001424	JUNCTION	0.01	0.23	321.19	0	04:53	0.23
PWOPRMHS0001428	JUNCTION	0.00	0.00	323.21	0	00:00	0.00
PWOPRMHS0001429	JUNCTION	0.01	0.19	321.54	0	05:15	0.19
PWOPRMHS0001430	JUNCTION	0.00	0.00	321.23	0	00:00	0.00
PWOPRMHS0001431	JUNCTION	0.00	0.00	323.01	0	00:00	0.00
PWOPRMHS0001433	JUNCTION	0.01	0.82	320.60	0	05:14	0.81
PWOPRMHS0001435	JUNCTION	0.01	0.26	319.90	0	05:15	0.17
PWOPRMHS0001436	JUNCTION	0.07	1.82	320.17	0	05:14	1.82
PWOPRMHS0001437	JUNCTION	0.02	0.79	320.17	0	05:14	0.78
PWOPRMHS0001438	JUNCTION	0.06	1.64	319.84	0	05:15	1.64
PWOPRMHS0001467	JUNCTION	0.01	0.31	321.23	0	05:15	0.31
PWOPRMHS0001597	JUNCTION	0.00	0.25	325.03	0	05:14	0.25
PWOPRMHS0001598	JUNCTION	0.02	0.39	325.88	0	05:15	0.39
PWOPRMHS0001600	JUNCTION	0.02	0.37	325.03	0	05:15	0.37
PWOPRMHS0001601	JUNCTION	0.01	0.24	326.39	0	05:15	0.24
PWOPRMHS0001602	JUNCTION	0.01	0.25	326.23	0	05:15	0.25
PWOPRMHS0001603	JUNCTION	0.02	0.81	325.04	0	05:15	0.81
PWOPRMHS0001604	JUNCTION	0.03	1.08	325.03	0	05:15	1.08
PWOPRMHS0001605	JUNCTION	0.02	0.69	325.03	0	05:15	0.69
PWOPRMHS0001606	JUNCTION	0.05	1.46	325.03	0	05:15	1.46
PWOPRMHS0001608	JUNCTION	0.05	1.27	326.94	0	05:15	1.27
PWOPRMHS0001610	JUNCTION	0.02	0.42	325.86	0	05:15	0.42

PWOPRMHS0001611	JUNCTION	0.05	2.38	325.25	0	05:15	2.31
PWOPRMHS0001614	JUNCTION	0.05	2.31	325.22	0	05:12	2.25
PWOPRMHS0001622	JUNCTION	0.01	0.10	332.83	0	05:15	0.10
PWOPRMHS0001624	JUNCTION	0.01	0.29	331.21	0	05:15	0.29
PWOPRMHS0001625	JUNCTION	0.01	0.31	330.92	0	05:15	0.31
PWOPRMHS0001626	JUNCTION	0.25	0.46	331.46	0	05:15	0.46
PWOPRMHS0001634	JUNCTION	0.04	0.87	327.08	0	05:15	0.87
PWOPRMHS0001642	JUNCTION	0.03	1.97	325.24	0	05:12	1.89
PWOPRMHS0001643	JUNCTION	0.03	1.89	325.27	0	05:12	1.77
PWOPRMHS0001649	JUNCTION	0.01	0.29	329.50	0	05:15	0.29
PWOPRMHS0001650	JUNCTION	0.01	0.29	329.86	0	05:15	0.29
PWOPRMHS0001651	JUNCTION	0.01	0.25	330.53	0	05:15	0.25
PWOPRMHS0001652	JUNCTION	0.01	0.33	327.22	0	05:15	0.33
PWOPRMHS0001653	JUNCTION	0.02	0.41	325.65	0	05:15	0.41
PWOPRMHS0001654	JUNCTION	0.02	0.51	325.42	0	05:14	0.50
PWOPRMHS0001655	JUNCTION	0.01	0.12	330.12	0	05:15	0.12
PWOPRMHS0001657	JUNCTION	0.02	0.85	325.43	0	05:14	0.83
PWOPRMHS0001658	JUNCTION	0.01	0.52	325.44	0	05:14	0.50
PWOPRMHS0001659	JUNCTION	0.02	0.37	325.68	0	05:12	0.37
PWOPRMHS0001660	JUNCTION	0.03	1.16	325.26	0	05:13	1.11
PWOPRMHS0001661B	JUNCTION	0.03	1.08	325.39	0	04:58	1.07
PWOPRMHS0001662	JUNCTION	0.04	1.25	325.20	0	05:16	1.19
PWOPRMHS0001663	JUNCTION	0.05	1.32	325.38	0	04:58	1.31
PWOPRMHS0001664	JUNCTION	0.01	0.31	326.66	0	05:13	0.31
PWOPRMHS0001667	JUNCTION	0.06	1.67	324.82	0	05:15	1.67
PWOPRMHS0001670	JUNCTION	0.03	0.81	323.73	0	05:15	0.81
PWOPRMHS0001674	JUNCTION	0.04	0.94	326.82	0	05:15	0.94
PWOPRMHS0001676	JUNCTION	0.03	0.69	327.02	0	05:15	0.69
PWOPRMHS0001677	JUNCTION	0.02	0.58	327.17	0	05:15	0.58
PWOPRMHS0001678	JUNCTION	0.01	0.22	327.23	0	05:15	0.22
PWOPRMHS0001679	JUNCTION	0.02	0.42	336.31	0	05:15	0.42
PWOPRMHS0001680	JUNCTION	0.02	0.55	335.61	0	05:15	0.55
PWOPRMHS0001682	JUNCTION	0.02	0.51	328.61	0	05:15	0.51
PWOPRMHS0001686	JUNCTION	0.02	0.66	329.21	0	05:15	0.66
PWOPRMHS0001687	JUNCTION	0.05	1.25	327.65	0	05:15	1.25
PWOPRMHS0001688	JUNCTION	0.05	1.39	327.49	0	05:15	1.39
PWOPRMHS0001689	JUNCTION	0.05	1.29	327.90	0	05:15	1.29
PWOPRMHS0001690	JUNCTION	0.05	1.32	328.06	0	05:15	1.32
PWOPRMHS0001691	JUNCTION	0.04	1.21	328.19	0	05:15	1.21
PWOPRMHS0001692	JUNCTION	0.04	1.01	328.58	0	05:15	1.01
PWOPRMHS0001695	JUNCTION	0.03	1.62	323.87	0	04:29	1.28
PWOPRMHS0001697	JUNCTION	0.02	1.68	325.59	0	05:17	1.42
PWOPRMHS0001705	JUNCTION	0.01	0.16	328.69	0	05:15	0.16
PWOPRMHS0001706	JUNCTION	0.02	0.37	327.51	0	05:15	0.37
PWOPRMHS0001713	JUNCTION	0.03	0.64	326.15	0	05:15	0.64
PWOPRMHS0001729	JUNCTION	0.02	0.53	329.61	0	05:15	0.53
PWOPRMHS0001732	JUNCTION	0.02	0.54	329.52	0	05:15	0.54
PWOPRMHS0001733	JUNCTION	0.02	1.32	325.37	0	05:17	1.17
PWOPRMHS0001736	JUNCTION	0.04	1.91	325.31	0	05:17	1.84
PWOPRMHS0001739	JUNCTION	0.02	0.55	329.44	0	05:15	0.55
PWOPRMHS0001740	JUNCTION	0.02	0.61	329.33	0	05:15	0.61
PWOPRMHS0001741	JUNCTION	0.01	0.14	329.62	0	05:15	0.14
PWOPRMHS0001743	JUNCTION	0.04	1.12	328.41	0	05:15	1.12
PWOPRMHS0001744	JUNCTION	0.04	1.09	328.82	0	05:15	1.09
PWOPRMHS0001745	JUNCTION	0.04	1.07	329.13	0	05:15	1.07
PWOPRMHS0001746	JUNCTION	0.04	1.08	329.01	0	05:15	1.08
PWOPRMHS0001761	JUNCTION	0.00	0.00	329.15	0	00:00	0.00

PWOPRMHS0001764	JUNCTION	0.02	0.57	328.03	0	05:15	0.57
PWOPRMHS0001765	JUNCTION	0.02	0.37	328.41	0	05:15	0.37
PWOPRMHS0001766	JUNCTION	0.00	0.09	328.41	0	05:15	0.09
PWOPRMHS0001767	JUNCTION	0.02	0.57	327.82	0	05:15	0.57
PWOPRMHS0001768	JUNCTION	0.01	0.25	328.10	0	05:15	0.25
PWOPRMHS0001788	JUNCTION	0.03	0.80	323.74	0	05:15	0.80
PWOPRMHS0001791	JUNCTION	0.04	1.09	326.68	0	05:15	1.09
PWOPRMHS0001792	JUNCTION	0.04	0.92	326.16	0	05:15	0.92
PWOPRMHS0001796	JUNCTION	0.00	0.00	326.65	0	00:00	0.00
PWOPRMHS0001797	JUNCTION	0.01	0.25	326.65	0	05:15	0.25
PWOPRMHS0001798	JUNCTION	0.01	0.26	326.32	0	05:15	0.26
PWOPRMHS0001804	JUNCTION	0.00	0.08	332.06	0	05:15	0.08
PWOPRMHS0001836	JUNCTION	0.03	0.78	325.34	0	05:15	0.78
PWOPRMHS0001855	JUNCTION	0.01	0.34	326.55	0	05:15	0.34
PWOPRMHS0001856	JUNCTION	0.02	0.60	328.33	0	05:15	0.60
PWOPRMHS0001857	JUNCTION	0.02	0.34	322.77	0	05:15	0.34
PWOPRMHS0001858	JUNCTION	0.02	0.45	330.38	0	05:15	0.45
PWOPRMHS0001867	JUNCTION	0.01	0.15	332.09	0	05:15	0.15
PWOPRMHS0001874	JUNCTION	0.01	0.14	330.01	0	05:15	0.14
PWOPRMHS0001878	JUNCTION	0.04	1.94	325.22	0	04:57	1.88
PWOPRMHS0001879	JUNCTION	0.04	2.17	325.21	0	04:57	2.12
PWOPRMHS0001881	JUNCTION	0.03	1.73	325.30	0	05:12	1.61
PWOPRMHS0001889	JUNCTION	0.03	0.84	325.47	0	05:15	0.83
PWOPRMHS0001890	JUNCTION	0.03	0.83	325.35	0	05:15	0.83
PWOPRMHS0001891	JUNCTION	0.01	0.29	325.39	0	05:00	0.23
PWOPRMHS0001894	JUNCTION	0.03	1.08	325.31	0	05:14	1.02
PWOPRMHS0001903	JUNCTION	0.01	0.23	332.95	0	05:15	0.23
PWOPRMHS0001904	JUNCTION	0.02	0.39	330.83	0	05:15	0.39
PWOPRMHS0001906	JUNCTION	0.02	0.76	319.56	0	04:23	0.74
PWOPRMHS0001907	JUNCTION	0.02	0.73	319.56	0	04:23	0.72
PWOPRMHS0001908	JUNCTION	0.01	0.21	319.76	0	05:15	0.21
PWOPRMHS0001911	JUNCTION	0.03	1.06	319.55	0	04:24	1.02
PWOPRMHS0001912	JUNCTION	0.09	2.03	319.54	0	04:24	1.98
PWOPRMHS0001914	JUNCTION	0.01	0.23	332.06	0	05:15	0.23
PWOPRMHS0001915	JUNCTION	0.02	0.38	329.57	0	05:15	0.38
PWOPRMHS0001916	JUNCTION	0.02	0.47	328.06	0	05:15	0.47
PWOPRMHS0001917	JUNCTION	0.01	0.36	319.60	0	04:24	0.36
PWOPRMHS0001918	JUNCTION	0.08	1.85	319.66	0	05:15	1.85
PWOPRMHS0001919	JUNCTION	0.01	0.41	328.21	0	05:15	0.41
PWOPRMHS0001925	JUNCTION	0.02	0.46	323.79	0	04:34	0.46
PWOPRMHS0001926	JUNCTION	0.03	1.07	323.76	0	04:30	1.04
PWOPRMHS0001927	JUNCTION	0.01	0.23	323.74	0	04:30	0.23
PWOPRMHS0001928	JUNCTION	0.05	1.57	323.77	0	04:29	1.49
PWOPRMHS0001929	JUNCTION	0.02	0.34	324.19	0	05:12	0.34
PWOPRMHS0001930	JUNCTION	0.02	0.66	323.73	0	04:29	0.65
PWOPRMHS0001931	JUNCTION	0.01	0.28	325.27	0	05:15	0.28
PWOPRMHS0001932	JUNCTION	0.02	0.40	325.71	0	05:15	0.40
PWOPRMHS0001933	JUNCTION	0.02	0.39	326.05	0	05:15	0.39
PWOPRMHS0001935	JUNCTION	0.02	0.34	326.37	0	05:15	0.34
PWOPRMHS0001937	JUNCTION	0.01	0.32	324.60	0	05:15	0.32
PWOPRMHS0001939	JUNCTION	0.01	0.15	327.66	0	05:15	0.15
PWOPRMHS0001941	JUNCTION	0.00	0.00	326.79	0	00:00	0.00
PWOPRMHS0001943	JUNCTION	0.02	0.33	326.75	0	05:15	0.33
PWOPRMHS0001944	JUNCTION	0.03	1.12	323.76	0	04:30	1.06
PWOPRMHS0001945	JUNCTION	0.00	0.49	323.81	0	04:31	0.33
PWOPRMHS0001947	JUNCTION	0.01	0.14	324.16	0	05:15	0.14
PWOPRMHS0002041	JUNCTION	0.02	0.38	329.45	0	05:15	0.38

PWOPRMHS0002042	JUNCTION	0.02	0.39	329.95	0	05:15	0.39
PWOPRMHS0002046	JUNCTION	0.00	0.09	330.81	0	05:15	0.09
PWOPRMHS0002050	JUNCTION	0.01	0.33	329.30	0	05:15	0.33
PWOPRMHS0002051	JUNCTION	0.04	1.00	329.27	0	05:15	1.00
PWOPRMHS0002080	JUNCTION	0.01	0.26	325.49	0	05:15	0.26
PWOPRMHS0002082	JUNCTION	0.01	0.29	327.00	0	05:15	0.29
PWOPRMHS0002083	JUNCTION	0.02	0.42	325.74	0	05:13	0.42
PWOPRMHS0002084	JUNCTION	0.02	0.66	325.63	0	05:13	0.66
PWOPRMHS0002085	JUNCTION	0.01	0.15	329.54	0	05:15	0.15
PWOPRMHS0002095	JUNCTION	0.01	0.18	336.22	0	05:15	0.18
PWOPRMHS0003136	JUNCTION	0.03	0.74	329.63	0	05:15	0.74
PWOPRMHS0003137	JUNCTION	0.02	0.58	330.08	0	05:15	0.58
PWOPRMHS0003140	JUNCTION	0.00	0.00	327.35	0	00:00	0.00
PWOPRMHS0003146	JUNCTION	0.03	0.76	335.36	0	05:15	0.76
PWOPRMHS0003147	JUNCTION	0.02	0.43	334.22	0	05:15	0.43
PWOPRMHS0003148	JUNCTION	0.02	0.62	332.51	0	05:15	0.62
PWOPRMHS0003149	JUNCTION	0.02	0.48	331.34	0	05:15	0.48
PWOPRMHS0003153	JUNCTION	0.01	0.39	336.55	0	05:15	0.39
PWOPRMHS0003160	JUNCTION	0.01	0.21	335.71	0	05:15	0.21
PWOPRMHS0004129	JUNCTION	0.01	0.34	329.41	0	05:15	0.34
PWOPRMHS0004130	JUNCTION	0.02	0.49	329.32	0	05:15	0.49
PWOPRMHS0004131	JUNCTION	0.02	0.41	328.98	0	05:15	0.41
PWOPRMHS0004132	JUNCTION	0.02	0.56	328.69	0	05:15	0.56
PWOPRMHS0004133	JUNCTION	0.02	0.46	329.25	0	05:15	0.46
PWOPRMHS0004134	JUNCTION	0.01	0.25	332.19	0	05:15	0.25
PWOPRMHS0004135	JUNCTION	0.01	0.37	332.80	0	05:15	0.37
PWOPRMHS0004137	JUNCTION	0.01	0.24	334.62	0	05:15	0.24
PWOPRMHS0004141	JUNCTION	0.03	0.76	328.14	0	05:15	0.76
PWOPRMHS0004142	JUNCTION	0.03	0.64	327.68	0	05:15	0.64
PWOPRMHS0004143	JUNCTION	0.01	0.35	328.13	0	05:15	0.35
PWOPRMHS0004146	JUNCTION	0.00	0.00	332.40	0	00:00	0.00
PWOPRMHS0004159	JUNCTION	0.01	0.27	329.90	0	05:15	0.27
PWOPRMHS0004201	JUNCTION	0.01	0.27	329.79	0	05:15	0.27
PWOPRMHS0004998	JUNCTION	0.00	0.04	326.77	0	05:15	0.04
PWOPRMHS0004999	JUNCTION	0.00	0.03	327.52	0	04:20	0.03
PWOPRMHS0005000	JUNCTION	0.02	0.40	327.39	0	05:13	0.40
PWOPRMHS0005001	JUNCTION	0.02	0.41	327.53	0	05:15	0.41
PWOPRMHS0005003	JUNCTION	0.05	1.22	327.41	0	05:15	1.22
PWOPRMHS0005008	JUNCTION	0.01	0.14	338.66	0	05:15	0.14
PWOPRMHS0005009	JUNCTION	0.00	0.10	339.49	0	05:15	0.10
PWOPRMHS0005010	JUNCTION	0.01	0.13	338.27	0	05:15	0.13
PWOPRMHS0005011	JUNCTION	0.01	0.38	335.36	0	05:15	0.38
PWOPRMHS0005012	JUNCTION	0.01	0.20	335.75	0	05:15	0.20
PWOPRMHS0005013	JUNCTION	0.01	0.31	335.11	0	05:15	0.31
PWOPRMHS0005178	JUNCTION	0.00	0.05	328.69	0	05:10	0.05
PWOPRMHS0005179	JUNCTION	0.03	0.65	326.85	0	05:15	0.65
PWOPRMHS0005181	JUNCTION	0.03	0.68	327.34	0	05:15	0.68
PWOPRMHS0005183	JUNCTION	0.02	0.50	328.24	0	05:15	0.50
PWOPRMHS0005188	JUNCTION	0.01	0.28	330.22	0	05:15	0.28
PWOPRMHS0005196	JUNCTION	0.01	0.26	328.47	0	05:15	0.26
PWOPRMHS0005223	JUNCTION	0.03	0.63	326.47	0	05:15	0.63
PWOPRMHS0005226	JUNCTION	0.03	0.63	326.09	0	05:15	0.63
PWOPRMHS0005229	JUNCTION	0.01	0.30	325.04	0	05:15	0.30
PWOPRMHS0005230	JUNCTION	0.02	0.43	324.98	0	05:15	0.43
PWOPRMHS0005231	JUNCTION	0.01	0.24	325.48	0	05:15	0.24
PWOPRMHS0005906	JUNCTION	0.02	1.33	320.96	0	05:06	1.29
PWOPRMHS0005908	JUNCTION	0.01	0.17	319.09	0	05:15	0.17

PWOPRMHS0005909	JUNCTION	0.01	0.32	318.76	0	05:15	0.32
PWOPRMHS0005910	JUNCTION	0.00	0.00	318.95	0	00:00	0.00
PWOPRMHS0005911	JUNCTION	0.00	0.00	319.29	0	00:00	0.00
PWOPRMHS0005924	JUNCTION	0.01	0.25	318.85	0	05:09	0.25
PWOPRMHS0005926	JUNCTION	0.02	0.39	318.44	0	05:15	0.39
PWOPRMHS0005927	JUNCTION	0.02	0.51	318.27	0	05:04	0.51
PWOPRMHS0005930	JUNCTION	0.03	0.77	318.02	0	04:35	0.75
PWOPRMHS0005931	JUNCTION	0.01	0.28	317.98	0	04:48	0.28
PWOPRMHS0005932	JUNCTION	0.01	0.18	318.06	0	05:15	0.18
PWOPRMHS0005944	JUNCTION	0.01	0.20	318.52	0	05:15	0.20
PWOPRMHS0005945	JUNCTION	0.01	0.28	318.50	0	05:15	0.28
PWOPRMHS0005946	JUNCTION	0.01	0.25	318.75	0	05:15	0.25
SWMPOND	JUNCTION	0.05	1.67	323.67	0	04:28	1.63
HanlonCreek	OUTFALL	0.00	0.00	300.00	0	00:00	0.00

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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
1	JUNCTION	9.041	9.041	0	05:15	59.3	59.3	-0.007
11	JUNCTION	0.000	101.285	0	05:15	0	1.06e+03	0.000
12	JUNCTION	0.000	101.285	0	05:15	0	1.06e+03	-0.000
13	JUNCTION	0.000	162.473	0	05:13	0	1.48e+03	-0.000
14	JUNCTION	2.421	11.459	0	05:15	14.2	73.5	0.005
15	JUNCTION	0.000	63.882	0	06:29	0	1e+03	-0.178
17	JUNCTION	0.000	63.041	0	05:02	0	974	-0.020
18	JUNCTION	1.356	26.928	0	05:15	8.38	110	-0.020
19	JUNCTION	0.000	10.837	0	05:13	0	57.7	-0.008
2	JUNCTION	53.303	53.303	0	05:15	343	343	-0.032
20	JUNCTION	3.360	19.163	0	05:15	18.7	118	0.009
21	JUNCTION	16.628	56.284	0	05:15	105	363	0.003
22	JUNCTION	0.000	26.598	0	05:15	0	160	-0.010
24	JUNCTION	0.571	34.858	0	05:06	2.5	205	0.021
25	JUNCTION	0.000	26.600	0	05:16	0	160	-0.001
26	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
27	JUNCTION	24.373	24.373	0	05:15	159	159	-0.010
28	JUNCTION	31.525	58.747	0	05:15	185	355	0.018
29	JUNCTION	0.000	31.216	0	05:15	0	202	-0.004
3	JUNCTION	4.359	15.812	0	05:15	26.2	99.7	-0.012
30	JUNCTION	0.000	56.193	0	05:15	0	363	0.001
31	JUNCTION	0.000	56.183	0	05:15	0	363	-0.003
32	JUNCTION	0.000	56.197	0	05:16	0	363	-0.003
34	JUNCTION	0.000	59.573	0	05:15	0	401	-0.007
35	JUNCTION	0.000	57.288	0	05:15	0	401	-0.008
36	JUNCTION	0.087	60.470	0	05:12	0.394	421	0.001
37	JUNCTION	1.677	10.426	0	05:12	9.83	57.7	-0.012
39	JUNCTION	0.000	8.548	0	05:15	0	56.2	0.003
4	JUNCTION	0.210	0.210	0	05:15	1.34	1.34	-0.055
40	JUNCTION	27.521	27.521	0	05:15	190	190	-0.015
42	JUNCTION	2.582	24.235	0	05:13	15.3	124	0.011

48	JUNCTION	6.882	31.247	0	05:15	43	202	0.006	
49	JUNCTION	8.562	8.562	0	05:15	56.2	56.2	-0.007	
5	JUNCTION	0.000	19.155	0	05:15	0	118	0.002	
50	JUNCTION	7.689	63.739	0	05:15	45.8	416	0.011	
53	JUNCTION	8.814	89.967	0	05:15	50.6	1.17e+03	0.002	
54	JUNCTION	2.287	67.254	0	05:02	14.3	974	0.018	
56	JUNCTION	9.585	72.304	0	05:14	50.8	1.02e+03	0.006	
6	JUNCTION	8.096	27.242	0	05:15	51.8	170	-0.012	
7	JUNCTION	39.137	177.334	0	05:15	225	1.28e+03	0.001	
8	JUNCTION	12.094	123.993	0	05:15	83.2	781	0.009	
9	JUNCTION	0.217	119.041	0	04:37	1.38	869	0.002	
MHEasement1	JUNCTION	0.108	1.697	0	04:29	0.521	4.39	-0.036	
MHEasement2	JUNCTION	0.253	10.520	0	05:15	1.18	29	0.001	
MHSchool	JUNCTION	0.000	2.118	0	05:15	0	11.9	-0.016	
MHSWM4	JUNCTION	0.080	5.000	0	05:15	0.353	28	0.001	
PWOPRMHS0001369	JUNCTION	0.000	2.665	0	05:05	0	10.4	-0.021	
PWOPRMHS0001370	JUNCTION	0.000	1.253	0	04:25	0	3.81	-0.014	
PWOPRMHS0001371	JUNCTION	0.220	0.659	0	04:29	1.06	1.32	0.051	
PWOPRMHS0001372	JUNCTION	0.000	0.439	0	04:26	0	0.234	0.273	
PWOPRMHS0001373	JUNCTION	0.000	1.083	0	04:57	0	2.31	-0.013	
PWOPRMHS0001374	JUNCTION	0.085	0.803	0	04:25	0.412	2.37	0.011	
PWOPRMHS0001375	JUNCTION	0.000	1.153	0	04:28	0	2.41	-0.037	
PWOPRMHS0001386	JUNCTION	0.000	9.422	0	05:15	0	31.6	-0.013	
PWOPRMHS0001387	JUNCTION	0.000	2.973	0	05:02	0	13.6	-0.024	
PWOPRMHS0001388	JUNCTION	0.241	3.357	0	05:04	1.13	14.1	-0.003	
PWOPRMHS0001389	JUNCTION	0.432	2.896	0	05:15	2.06	12.4	-0.005	
PWOPRMHS0001390	JUNCTION	0.172	0.299	0	04:30	0.86	0.877	-0.095	
PWOPRMHS0001391	JUNCTION	0.000	0.725	0	04:29	0	1.88	0.165	
PWOPRMHS0001392	JUNCTION	0.188	0.188	0	05:15	0.884	0.884	0.097	
PWOPRMHS0001393	JUNCTION	0.348	1.644	0	05:15	1.85	8.23	-0.023	
PWOPRMHS0001394	JUNCTION	0.000	1.142	0	06:14	0	2.37	0.337	
PWOPRMHS0001395	JUNCTION	0.462	0.552	0	06:13	2.13	2.26	0.183	
PWOPRMHS0001398	JUNCTION	0.475	0.475	0	05:15	2.22	2.25	0.073	
PWOPRMHS0001399	JUNCTION	0.000	0.475	0	05:15	0	2.37	0.086	
PWOPRMHS0001400	JUNCTION	0.000	0.550	0	04:25	0	2.71	0.190	
PWOPRMHS0001401	JUNCTION	0.225	1.692	0	06:54	1.05	5.18	-0.154	
PWOPRMHS0001402	JUNCTION	0.177	3.089	0	06:14	0.85	7.76	-0.032	
PWOPRMHS0001403	JUNCTION	0.569	4.920	0	05:15	3.14	27.7	-0.000	
PWOPRMHS0001404	JUNCTION	0.000	1.296	0	05:15	0	6.38	-0.029	
PWOPRMHS0001408	JUNCTION	0.814	0.814	0	05:15	3.78	3.78	-0.001	
PWOPRMHS0001409	JUNCTION	0.249	0.249	0	05:15	1.35	1.35	0.015	
PWOPRMHS0001410	JUNCTION	0.172	2.789	0	05:15	0.943	16	-0.004	
PWOPRMHS0001411	JUNCTION	0.083	0.653	0	05:15	0.5	4.21	0.015	
PWOPRMHS0001412	JUNCTION	0.039	0.569	0	05:15	0.251	3.71	0.000	
PWOPRMHS0001413	JUNCTION	0.454	0.454	0	05:15	2.99	2.99	-0.000	
PWOPRMHS0001415	JUNCTION	0.000	2.989	0	05:03	0	10.5	-0.025	
PWOPRMHS0001416	JUNCTION	0.000	5.017	0	05:14	0	28	-0.011	
PWOPRMHS0001418	JUNCTION	0.262	7.041	0	05:15	1.3	32.9	-0.045	
PWOPRMHS0001419	JUNCTION	0.000	0.438	0	04:28	0	1.9	0.005	
PWOPRMHS0001420	JUNCTION	0.074	0.390	0	05:15	0.361	1.89	0.033	
PWOPRMHS0001421	JUNCTION	0.000	0.316	0	05:15	0	1.53	0.002	
PWOPRMHS0001422	JUNCTION	0.051	0.906	0	05:12	0.254	2.15	0.098	
PWOPRMHS0001423	JUNCTION	0.052	0.566	0	05:13	0.247	1.89	-0.053	
PWOPRMHS0001424	JUNCTION	0.340	0.340	0	05:15	1.64	1.64	0.074	
PWOPRMHS0001428	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001429	JUNCTION	0.316	0.316	0	05:15	1.53	1.53	-0.000	
PWOPRMHS0001430	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr

PWOPRMHS0001431	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001433	JUNCTION	0.708	1.198	0	05:14	3.4	3.54	0.402	
PWOPRMHS0001435	JUNCTION	0.104	0.112	0	05:16	0.607	0.607	0.098	
PWOPRMHS0001436	JUNCTION	0.106	8.259	0	05:14	0.53	45.2	-0.001	
PWOPRMHS0001437	JUNCTION	0.000	2.085	0	05:15	0	11.9	0.011	
PWOPRMHS0001438	JUNCTION	0.000	8.383	0	05:15	0	45.8	-0.002	
PWOPRMHS0001467	JUNCTION	0.482	0.482	0	05:15	2.6	2.6	0.055	
PWOPRMHS0001597	JUNCTION	0.000	0.013	0	04:31	0	0.00961	2.180	
PWOPRMHS0001598	JUNCTION	0.266	0.623	0	05:15	1.83	4.34	0.014	
PWOPRMHS0001600	JUNCTION	0.680	0.680	0	05:15	3.96	3.96	-0.034	
PWOPRMHS0001601	JUNCTION	0.317	0.317	0	05:15	2.22	2.22	-0.000	
PWOPRMHS0001602	JUNCTION	0.026	0.356	0	05:15	0.192	2.51	-0.009	
PWOPRMHS0001603	JUNCTION	0.034	0.714	0	05:13	0.247	4.21	0.062	
PWOPRMHS0001604	JUNCTION	0.043	1.255	0	05:14	0.319	7.14	-0.026	
PWOPRMHS0001605	JUNCTION	0.498	0.500	0	05:14	2.61	2.62	0.003	
PWOPRMHS0001606	JUNCTION	0.246	6.769	0	05:15	1.35	38.8	0.013	
PWOPRMHS0001608	JUNCTION	0.000	4.656	0	05:15	0	25.9	-0.019	
PWOPRMHS0001610	JUNCTION	0.000	5.273	0	05:15	0	30.3	-0.003	
PWOPRMHS0001611	JUNCTION	0.049	3.888	0	04:29	0.273	9.1	0.375	
PWOPRMHS0001614	JUNCTION	0.050	3.620	0	05:24	0.247	8.96	-0.185	
PWOPRMHS0001622	JUNCTION	0.076	0.076	0	05:15	0.469	0.469	-0.001	
PWOPRMHS0001624	JUNCTION	0.000	0.461	0	05:15	0	2.85	0.000	
PWOPRMHS0001625	JUNCTION	0.160	0.621	0	05:15	0.891	3.74	-0.000	
PWOPRMHS0001626	JUNCTION	0.461	0.461	0	05:15	2.85	2.85	0.010	
PWOPRMHS0001634	JUNCTION	0.186	2.974	0	05:15	1.01	17	0.017	
PWOPRMHS0001642	JUNCTION	0.038	3.651	0	04:29	0.246	3.42	0.321	
PWOPRMHS0001643	JUNCTION	0.070	1.229	0	05:24	0.331	2.51	-0.150	
PWOPRMHS0001649	JUNCTION	0.068	0.922	0	05:15	0.422	5.48	-0.000	
PWOPRMHS0001650	JUNCTION	0.000	0.647	0	05:15	0	3.89	-0.000	
PWOPRMHS0001651	JUNCTION	0.026	0.647	0	05:15	0.149	3.89	-0.000	
PWOPRMHS0001652	JUNCTION	0.000	0.922	0	05:15	0	5.48	-0.000	
PWOPRMHS0001653	JUNCTION	0.000	0.924	0	05:14	0	5.48	0.011	
PWOPRMHS0001654	JUNCTION	0.000	0.933	0	05:15	0	5.48	-0.003	
PWOPRMHS0001655	JUNCTION	0.207	0.207	0	05:15	1.17	1.17	0.003	
PWOPRMHS0001657	JUNCTION	0.025	1.430	0	05:12	0.154	7.82	-0.037	
PWOPRMHS0001658	JUNCTION	0.361	0.361	0	05:15	2.01	2.01	0.001	
PWOPRMHS0001659	JUNCTION	1.027	1.027	0	05:15	5.66	5.66	0.047	
PWOPRMHS0001660	JUNCTION	0.058	2.577	0	05:15	0.297	11.9	-0.001	
PWOPRMHS0001661B	JUNCTION	1.553	2.630	0	05:12	8.25	13.7	0.004	
PWOPRMHS0001662	JUNCTION	0.291	7.209	0	05:14	1.48	35	-0.027	
PWOPRMHS0001663	JUNCTION	0.021	4.294	0	05:15	0.148	21.7	0.005	
PWOPRMHS0001664	JUNCTION	0.000	0.922	0	05:15	0	5.48	0.005	
PWOPRMHS0001667	JUNCTION	0.000	6.767	0	05:15	0	38.8	-0.011	
PWOPRMHS0001670	JUNCTION	0.069	6.826	0	05:15	0.457	39.2	0.006	
PWOPRMHS0001674	JUNCTION	0.000	8.290	0	05:15	0	45.6	0.001	
PWOPRMHS0001676	JUNCTION	0.063	1.274	0	05:15	0.305	7.16	-0.003	
PWOPRMHS0001677	JUNCTION	0.092	1.211	0	05:15	0.493	6.86	-0.011	
PWOPRMHS0001678	JUNCTION	0.391	0.391	0	05:15	2.22	2.22	0.002	
PWOPRMHS0001679	JUNCTION	0.000	0.776	0	05:15	0	4.27	0.001	
PWOPRMHS0001680	JUNCTION	0.092	1.413	0	05:15	0.51	7.79	-0.009	
PWOPRMHS0001682	JUNCTION	0.157	2.653	0	05:15	0.893	14.7	-0.006	
PWOPRMHS0001686	JUNCTION	0.072	2.384	0	05:15	0.404	13.2	-0.000	
PWOPRMHS0001687	JUNCTION	0.000	6.722	0	05:15	0	36.9	0.001	
PWOPRMHS0001688	JUNCTION	0.090	7.017	0	05:15	0.428	38.4	-0.000	
PWOPRMHS0001689	JUNCTION	0.123	6.723	0	05:15	0.608	36.9	0.008	
PWOPRMHS0001690	JUNCTION	0.056	3.948	0	05:15	0.27	21.6	0.000	
PWOPRMHS0001691	JUNCTION	0.168	3.894	0	05:15	0.811	21.3	-0.002	

PWOPRMHS0001692	JUNCTION	0.098	3.211	0	05:15	0.482	18.1	0.001	
PWOPRMHS0001695	JUNCTION	0.458	0.997	0	04:28	2.67	2.72	-0.002	
PWOPRMHS0001697	JUNCTION	0.545	1.689	0	05:19	2.7	2.93	0.072	
PWOPRMHS0001705	JUNCTION	0.206	0.206	0	05:15	1.04	1.04	-0.001	
PWOPRMHS0001706	JUNCTION	0.729	0.729	0	05:15	4.14	4.14	0.016	
PWOPRMHS0001713	JUNCTION	0.208	8.497	0	05:15	0.991	46.5	-0.002	
PWOPRMHS0001729	JUNCTION	0.000	0.721	0	05:15	0	4.16	-0.010	
PWOPRMHS0001732	JUNCTION	0.000	0.842	0	05:15	0	4.73	-0.011	
PWOPRMHS0001733	JUNCTION	0.213	0.908	0	05:25	1.06	1.12	0.161	
PWOPRMHS0001736	JUNCTION	0.069	2.472	0	05:25	0.334	4.84	-0.121	
PWOPRMHS0001739	JUNCTION	0.220	1.062	0	05:15	1.05	5.78	0.001	
PWOPRMHS0001740	JUNCTION	0.000	1.062	0	05:15	0	5.78	-0.001	
PWOPRMHS0001741	JUNCTION	0.115	0.115	0	05:15	0.568	0.568	0.110	
PWOPRMHS0001743	JUNCTION	0.114	3.324	0	05:15	0.561	18.6	-0.021	
PWOPRMHS0001744	JUNCTION	0.000	3.113	0	05:15	0	17.6	0.001	
PWOPRMHS0001745	JUNCTION	0.018	3.052	0	05:15	0.102	17.3	-0.002	
PWOPRMHS0001746	JUNCTION	0.063	3.114	0	05:15	0.301	17.6	0.001	
PWOPRMHS0001761	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001764	JUNCTION	0.591	1.205	0	05:15	3.29	6.66	0.042	
PWOPRMHS0001765	JUNCTION	0.614	0.614	0	05:15	3.37	3.37	-0.001	
PWOPRMHS0001766	JUNCTION	0.000	0.002	0	04:24	0	0.00103	0.220	
PWOPRMHS0001767	JUNCTION	0.154	1.716	0	05:15	0.843	9.48	-0.024	
PWOPRMHS0001768	JUNCTION	0.357	0.357	0	05:15	1.99	1.99	0.046	
PWOPRMHS0001788	JUNCTION	0.318	4.351	0	05:15	1.75	24.5	0.000	
PWOPRMHS0001791	JUNCTION	0.296	3.269	0	05:15	1.62	18.6	-0.030	
PWOPRMHS0001792	JUNCTION	0.165	3.853	0	05:15	0.894	21.8	0.031	
PWOPRMHS0001796	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001797	JUNCTION	0.420	0.420	0	05:15	2.29	2.29	-0.000	
PWOPRMHS0001798	JUNCTION	0.000	0.420	0	05:15	0	2.29	-0.001	
PWOPRMHS0001804	JUNCTION	0.090	0.090	0	05:15	0.555	0.555	-0.000	
PWOPRMHS0001836	JUNCTION	0.182	4.035	0	05:15	0.985	22.8	-0.019	
PWOPRMHS0001855	JUNCTION	0.072	1.945	0	05:15	0.482	11.2	-0.000	
PWOPRMHS0001856	JUNCTION	0.000	1.548	0	05:15	0	8.63	-0.002	
PWOPRMHS0001857	JUNCTION	0.140	2.085	0	05:15	0.699	11.9	-0.001	
PWOPRMHS0001858	JUNCTION	0.083	1.534	0	05:15	0.529	8.53	-0.000	
PWOPRMHS0001867	JUNCTION	0.165	0.165	0	05:15	0.916	0.916	-0.001	
PWOPRMHS0001874	JUNCTION	0.121	0.121	0	05:15	0.573	0.573	0.052	
PWOPRMHS0001878	JUNCTION	0.062	3.405	0	05:27	0.29	5.29	-0.001	
PWOPRMHS0001879	JUNCTION	0.000	3.581	0	05:24	0	5.9	0.126	
PWOPRMHS0001881	JUNCTION	0.368	0.915	0	05:24	1.77	1.84	0.019	
PWOPRMHS0001889	JUNCTION	0.071	1.558	0	05:14	0.357	7.56	-0.012	
PWOPRMHS0001890	JUNCTION	0.027	2.362	0	05:00	0.177	11	0.019	
PWOPRMHS0001891	JUNCTION	0.213	0.213	0	05:15	1.02	1.02	-0.002	
PWOPRMHS0001894	JUNCTION	0.114	2.486	0	05:13	0.545	11.6	-0.029	
PWOPRMHS0001903	JUNCTION	0.697	0.697	0	05:15	3.84	3.84	-0.000	
PWOPRMHS0001904	JUNCTION	0.000	0.862	0	05:15	0	4.76	-0.001	
PWOPRMHS0001906	JUNCTION	0.057	1.057	0	05:15	0.306	5.16	-0.019	
PWOPRMHS0001907	JUNCTION	0.000	0.551	0	05:15	0	2.66	-0.145	
PWOPRMHS0001908	JUNCTION	0.449	0.449	0	05:15	2.19	2.19	0.038	
PWOPRMHS0001911	JUNCTION	0.000	1.057	0	05:15	0	5.16	-0.002	
PWOPRMHS0001912	JUNCTION	0.374	9.960	0	05:15	1.76	54.1	0.004	
PWOPRMHS0001914	JUNCTION	0.590	0.590	0	05:15	3.25	3.25	-0.000	
PWOPRMHS0001915	JUNCTION	0.015	1.548	0	05:15	0.101	8.63	0.002	
PWOPRMHS0001916	JUNCTION	0.235	1.783	0	05:15	1.53	10.2	0.003	
PWOPRMHS0001917	JUNCTION	0.551	0.551	0	05:15	2.66	2.66	0.164	
PWOPRMHS0001918	JUNCTION	0.279	8.544	0	05:14	1.39	47.2	-0.006	
PWOPRMHS0001919	JUNCTION	0.402	0.402	0	05:15	1.9	1.9	0.013	

PWOPRMHS0001925	JUNCTION	0.242	1.500	0	05:15	1.41	8.84	0.023	
PWOPRMHS0001926	JUNCTION	0.000	1.500	0	05:15	0	8.84	-0.059	
PWOPRMHS0001927	JUNCTION	0.000	0.504	0	05:15	0	2.94	-0.018	
PWOPRMHS0001928	JUNCTION	0.266	4.772	0	04:32	1.55	22.3	-0.004	
PWOPRMHS0001929	JUNCTION	0.230	1.142	0	05:15	1.34	6.75	-0.000	
PWOPRMHS0001930	JUNCTION	0.105	1.380	0	05:15	0.611	8.13	0.075	
PWOPRMHS0001931	JUNCTION	0.000	0.912	0	05:15	0	5.41	-0.000	
PWOPRMHS0001932	JUNCTION	0.000	0.912	0	05:15	0	5.41	-0.001	
PWOPRMHS0001933	JUNCTION	0.280	0.912	0	05:15	1.63	5.41	-0.001	
PWOPRMHS0001935	JUNCTION	0.000	0.633	0	05:15	0	3.79	-0.001	
PWOPRMHS0001937	JUNCTION	1.258	1.258	0	05:15	7.44	7.44	0.005	
PWOPRMHS0001939	JUNCTION	0.504	0.504	0	05:15	2.94	2.94	-0.000	
PWOPRMHS0001941	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001943	JUNCTION	0.633	0.633	0	05:15	3.79	3.79	-0.001	
PWOPRMHS0001944	JUNCTION	0.141	1.930	0	04:31	0.817	9.02	-0.111	
PWOPRMHS0001945	JUNCTION	0.000	0.362	0	04:27	0	0.0686	1.462	
PWOPRMHS0001947	JUNCTION	0.133	0.133	0	05:15	0.772	0.772	0.018	
PWOPRMHS0002041	JUNCTION	1.057	1.057	0	05:15	6.1	6.1	0.001	
PWOPRMHS0002042	JUNCTION	0.722	0.722	0	05:15	4.16	4.16	0.037	
PWOPRMHS0002046	JUNCTION	0.112	0.112	0	05:15	0.628	0.628	-0.000	
PWOPRMHS0002050	JUNCTION	0.605	0.605	0	05:15	3.76	3.76	0.031	
PWOPRMHS0002051	JUNCTION	0.198	3.035	0	05:15	0.97	17.2	0.005	
PWOPRMHS0002080	JUNCTION	0.465	0.465	0	05:15	2.26	2.26	0.035	
PWOPRMHS0002082	JUNCTION	0.806	0.806	0	05:15	3.9	3.9	0.031	
PWOPRMHS0002083	JUNCTION	0.000	1.169	0	05:15	0	5.75	0.000	
PWOPRMHS0002084	JUNCTION	0.310	1.480	0	05:14	1.45	7.2	0.020	
PWOPRMHS0002085	JUNCTION	0.363	0.363	0	05:15	1.86	1.86	-0.000	
PWOPRMHS0002095	JUNCTION	0.545	0.545	0	05:15	3.01	3.01	-0.004	
PWOPRMHS0003136	JUNCTION	0.030	2.312	0	05:15	0.168	12.8	0.000	
PWOPRMHS0003137	JUNCTION	0.111	2.282	0	05:15	0.602	12.6	0.002	
PWOPRMHS0003140	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0003146	JUNCTION	0.052	1.916	0	05:15	0.296	10.6	0.007	
PWOPRMHS0003147	JUNCTION	0.000	1.915	0	05:15	0	10.6	0.000	
PWOPRMHS0003148	JUNCTION	0.000	1.915	0	05:15	0	10.6	-0.000	
PWOPRMHS0003149	JUNCTION	0.257	2.172	0	05:15	1.39	12	-0.002	
PWOPRMHS0003153	JUNCTION	0.776	0.776	0	05:15	4.27	4.27	-0.001	
PWOPRMHS0003160	JUNCTION	0.451	0.451	0	05:15	2.53	2.53	0.016	
PWOPRMHS0004129	JUNCTION	0.477	0.477	0	05:15	2.61	2.61	-0.001	
PWOPRMHS0004130	JUNCTION	0.045	1.041	0	05:15	0.26	5.73	-0.006	
PWOPRMHS0004131	JUNCTION	0.041	1.082	0	05:15	0.246	5.97	0.008	
PWOPRMHS0004132	JUNCTION	0.057	3.091	0	05:15	0.359	17	-0.020	
PWOPRMHS0004133	JUNCTION	0.081	1.127	0	05:15	0.454	6.05	-0.000	
PWOPRMHS0004134	JUNCTION	0.000	1.046	0	05:15	0	5.6	0.000	
PWOPRMHS0004135	JUNCTION	0.312	1.047	0	05:15	1.71	5.6	-0.004	
PWOPRMHS0004137	JUNCTION	0.069	0.735	0	05:15	0.375	3.89	0.005	
PWOPRMHS0004141	JUNCTION	0.000	3.440	0	05:15	0	18.8	0.021	
PWOPRMHS0004142	JUNCTION	0.355	3.820	0	05:15	1.98	21	-0.024	
PWOPRMHS0004143	JUNCTION	0.350	0.350	0	05:15	1.89	1.89	-0.001	
PWOPRMHS0004146	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0004159	JUNCTION	0.519	0.519	0	05:15	2.85	2.85	0.051	
PWOPRMHS0004201	JUNCTION	0.827	0.827	0	05:15	4.57	4.57	-0.000	
PWOPRMHS0004998	JUNCTION	0.013	0.013	0	05:15	0.0958	0.0958	-0.032	
PWOPRMHS0004999	JUNCTION	0.007	0.007	0	05:10	0.0479	0.0479	0.054	
PWOPRMHS0005000	JUNCTION	0.046	0.596	0	05:15	0.335	3.9	-0.035	
PWOPRMHS0005001	JUNCTION	0.544	0.544	0	05:15	3.52	3.52	-0.001	
PWOPRMHS0005003	JUNCTION	0.238	4.665	0	05:14	1.04	26	0.037	
PWOPRMHS0005008	JUNCTION	0.129	0.192	0	05:15	0.713	1.07	-0.000	

PWOPRMHS0005009	JUNCTION	0.064	0.064	0	05:15	0.355	0.355	-0.002	
PWOPRMHS0005010	JUNCTION	0.000	0.192	0	05:15	0	1.07	0.064	
PWOPRMHS0005011	JUNCTION	0.211	0.668	0	05:15	1.06	3.51	-0.008	
PWOPRMHS0005012	JUNCTION	0.265	0.265	0	05:15	1.39	1.39	-0.112	
PWOPRMHS0005013	JUNCTION	0.000	0.667	0	05:15	0	3.52	0.000	
PWOPRMHS0005178	JUNCTION	0.026	0.026	0	05:10	0.192	0.192	-0.155	
PWOPRMHS0005179	JUNCTION	0.168	2.134	0	05:15	0.823	11.8	-0.016	
PWOPRMHS0005181	JUNCTION	0.089	1.966	0	05:15	0.413	11	0.056	
PWOPRMHS0005183	JUNCTION	0.024	1.877	0	05:15	0.17	10.6	0.040	
PWOPRMHS0005188	JUNCTION	1.204	1.204	0	05:15	6.78	6.78	-0.002	
PWOPRMHS0005196	JUNCTION	0.649	0.649	0	05:15	3.66	3.66	-0.000	
PWOPRMHS0005223	JUNCTION	0.078	2.212	0	05:15	0.383	12.2	-0.014	
PWOPRMHS0005226	JUNCTION	0.134	2.346	0	05:15	0.634	12.9	-0.002	
PWOPRMHS0005229	JUNCTION	0.048	0.451	0	05:15	0.228	2.15	0.008	
PWOPRMHS0005230	JUNCTION	0.065	2.862	0	05:15	0.325	15.3	-0.035	
PWOPRMHS0005231	JUNCTION	0.404	0.404	0	05:15	1.92	1.92	-0.004	
PWOPRMHS0005906	JUNCTION	0.000	0.520	0	05:03	0	0.479	0.050	
PWOPRMHS0005908	JUNCTION	0.139	0.139	0	05:15	0.804	0.804	-0.001	
PWOPRMHS0005909	JUNCTION	0.469	0.608	0	05:15	2.73	3.53	0.036	
PWOPRMHS0005910	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0005911	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0005924	JUNCTION	0.366	0.366	0	05:15	1.78	1.78	-0.115	
PWOPRMHS0005926	JUNCTION	0.137	0.745	0	05:15	0.767	4.3	-0.013	
PWOPRMHS0005927	JUNCTION	0.132	1.241	0	05:15	0.758	6.84	0.064	
PWOPRMHS0005930	JUNCTION	0.262	2.319	0	05:14	1.39	12.9	-0.094	
PWOPRMHS0005931	JUNCTION	0.087	0.558	0	05:15	0.599	3.33	0.011	
PWOPRMHS0005932	JUNCTION	0.237	0.237	0	05:15	1.35	1.35	-0.008	
PWOPRMHS0005944	JUNCTION	0.111	0.111	0	05:15	0.629	0.629	-0.006	
PWOPRMHS0005945	JUNCTION	0.000	0.471	0	05:15	0	2.73	0.000	
PWOPRMHS0005946	JUNCTION	0.360	0.360	0	05:15	2.1	2.1	-0.000	
SWMPOND	JUNCTION	0.496	6.929	0	04:31	2.79	27.8	-0.022	
HanlonCreek	OUTFALL	0.000	47.783	0	04:50	0	854	0.000	

****
Node Surcharge Summary
****

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

Node	Type	Hours Surcharged	Max. Height Above Crown Meters	Min. Depth Below Rim Meters
13	JUNCTION	1.97	0.000	0.000
15	JUNCTION	2.87	0.000	0.000
24	JUNCTION	0.99	0.000	0.000
42	JUNCTION	0.41	0.000	0.000
53	JUNCTION	2.43	0.000	0.000
56	JUNCTION	2.68	0.000	0.000
7	JUNCTION	1.29	0.000	0.000
8	JUNCTION	0.58	0.000	0.000
MHEasement2	JUNCTION	0.96	0.000	0.000
PWOPRMHS0001386	JUNCTION	0.98	0.279	0.000
PWOPRMHS0001387	JUNCTION	0.67	0.135	0.095
PWOPRMHS0001614	JUNCTION	0.60	0.310	0.780
PWOPRMHS0001879	JUNCTION	0.45	0.140	0.860

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

Flooding refers to all water that overflows a node, whether it ponds or not.
--------------------------------------------------------------------------
                                                          Total   Maximum
                                Maximum   Time of Max       Flood    Ponded
                     Hours       Rate    Occurrence      Volume     Depth
Node                Flooded       CMS   days hr:min    10^6 ltr    Meters
--------------------------------------------------------------------------
13                     1.97    81.320      0  05:13     353.523     0.000
15                     2.87    26.620      0  06:32      45.298     0.000
24                     0.99    34.046      0  04:57      95.798     0.000
42                     0.41     4.462      0  05:13       3.339     0.000
53                     2.43    26.094      0  05:15     171.996     0.000
56                     2.68    24.521      0  05:14     170.484     0.000
7                      1.29    86.009      0  05:15     282.103     0.000
8                      0.58    21.865      0  05:14      22.647     0.000
MHEasement2            0.96    10.519      0  05:15      26.774     0.000


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

-------------------------------------------------------------
                      Flow       Avg       Max       Total
                      Freq      Flow      Flow      Volume
Outfall Node          Pcnt       CMS       CMS    10^6 ltr
-------------------------------------------------------------
HanlonCreek          78.05     4.246    47.783     853.948
-------------------------------------------------------------
System               78.05     4.246    47.783     853.948


*******************
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
-----------------------------------------------------------------------------
1                   CONDUIT     9.038     0  05:15      3.05    0.09    0.33
10                  CONDUIT    26.205     0  05:29      1.94    1.24    1.00
11                  CONDUIT    21.661     0  05:13      2.04    0.41    0.96
13                  CONDUIT    10.837     0  05:13      3.65    0.12    0.46
14                  CONDUIT    15.747     0  05:18      2.17    0.13    0.72
15                  CONDUIT    26.600     0  05:16      3.00    0.28    0.74
16                  CONDUIT    53.286     0  05:15      4.11    0.52    0.92
17                  CONDUIT    26.693     0  04:55      2.15    0.32    0.91
18                  CONDUIT   112.414     0  04:38      7.49    1.04    1.00
19                  CONDUIT   101.285     0  05:15      7.07    0.92    0.97
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2	CONDUIT	11.454	0	05:15	2.50	0.09	0.45
20	CONDUIT	101.286	0	05:16	6.88	0.93	0.99
21	CONDUIT	81.153	0	05:20	4.51	1.00	1.00
22	CONDUIT	63.882	0	06:29	4.26	1.00	1.00
23	CONDUIT	65.027	0	04:33	6.44	2.31	0.80
24	CONDUIT	63.041	0	05:02	8.95	0.33	0.62
25	CONDUIT	0.000	0	00:00	0.00	0.00	0.23
26	CONDUIT	8.484	0	05:15	0.98	0.28	0.75
27	CONDUIT	24.365	0	05:15	4.43	0.21	0.53
28	CONDUIT	31.216	0	05:15	5.18	0.34	0.55
29	CONDUIT	56.183	0	05:15	5.62	0.61	0.77
3	CONDUIT	15.804	0	05:15	2.97	0.33	0.51
30	CONDUIT	56.197	0	05:16	5.30	0.50	0.81
31	CONDUIT	56.339	0	05:16	4.41	0.61	0.91
32	CONDUIT	59.573	0	05:15	5.00	1.00	0.86
33	CONDUIT	57.288	0	05:15	5.76	0.55	0.77
34	CONDUIT	57.249	0	05:16	5.44	0.58	0.80
35	CONDUIT	60.502	0	05:13	4.68	0.49	0.91
37	CONDUIT	8.548	0	05:15	1.62	0.13	0.67
38	CONDUIT	31.203	0	05:15	4.12	0.26	0.64
4	CONDUIT	19.155	0	05:15	3.63	0.19	0.50
40	CONDUIT	56.193	0	05:15	5.50	0.57	0.78
41	CONDUIT	62.830	0	05:02	5.67	0.41	0.83
42	CONDUIT	19.839	0	05:20	5.03	1.65	0.99
43	CONDUIT	0.333	0	05:18	0.22	0.00	0.21
47	CONDUIT	92.428	0	05:38	6.46	1.03	0.98
5	CONDUIT	19.180	0	05:16	3.33	0.27	0.54
6	CONDUIT	27.222	0	05:15	3.70	0.29	0.63
7	CONDUIT	58.640	0	05:15	4.96	0.47	0.86
70	CONDUIT	47.783	0	04:50	3.57	1.92	0.93
8	CONDUIT	116.488	0	04:59	5.94	1.14	0.89
9	CONDUIT	27.520	0	05:15	2.48	0.35	0.87
PWOPRSES0001498	CONDUIT	0.475	0	05:15	1.40	0.05	0.26
PWOPRSES0001507	CONDUIT	0.814	0	05:15	1.78	0.09	0.20
PWOPRSES0001510	CONDUIT	0.482	0	05:15	1.33	0.04	0.17
PWOPRSES0001511	CONDUIT	0.855	0	05:12	1.33	0.08	0.28
PWOPRSES0001512	CONDUIT	0.000	0	00:00	0.00	0.00	0.08
PWOPRSES0001515	CONDUIT	0.000	0	00:00	0.00	0.00	0.02
PWOPRSES0001516	CONDUIT	0.316	0	05:15	2.17	0.02	0.09
PWOPRSES0001518	CONDUIT	0.000	0	00:00	0.00	0.00	0.13
PWOPRSES0001519	CONDUIT	1.862	0	05:08	1.61	0.12	0.47
PWOPRSES0001520	CONDUIT	1.159	0	06:17	1.68	0.13	0.63
PWOPRSES0001521	CONDUIT	0.721	0	04:32	1.25	0.08	0.44
PWOPRSES0001522	CONDUIT	0.357	0	04:32	0.95	0.05	0.28
PWOPRSES0001524	CONDUIT	0.188	0	05:15	1.59	0.01	0.18
PWOPRSES0001525	CONDUIT	0.794	0	05:14	1.28	0.09	0.38
PWOPRSES0001530	CONDUIT	1.296	0	05:15	1.56	0.08	0.28
PWOPRSES0001534	CONDUIT	2.973	0	05:02	0.88	0.21	1.00
PWOPRSES0001535	CONDUIT	3.060	0	05:06	0.93	0.18	0.97
PWOPRSES0001536	CONDUIT	2.475	0	05:02	1.00	0.16	0.84
PWOPRSES0001537	CONDUIT	2.665	0	05:05	1.54	0.17	0.69
PWOPRSES0001538	CONDUIT	1.335	0	05:00	1.36	0.05	0.55
PWOPRSES0001541	CONDUIT	0.550	0	04:25	1.09	0.05	0.31
PWOPRSES0001542	CONDUIT	0.804	0	04:20	1.25	0.07	0.39
PWOPRSES0001543	CONDUIT	1.972	0	06:51	0.59	0.04	0.65
PWOPRSES0001544	CONDUIT	3.312	0	06:18	1.31	0.11	0.66
PWOPRSES0001545	CONDUIT	0.613	0	06:16	0.76	0.07	0.64

PWOPRSES0001546	CONDUIT	1.783	0	05:15	3.94	0.06	0.20
PWOPRSES0001547	CONDUIT	1.549	0	05:15	2.34	0.11	0.26
PWOPRSES0001548	CONDUIT	0.090	0	05:15	2.32	0.00	0.04
PWOPRSES0001551	CONDUIT	1.548	0	05:15	2.95	0.07	0.22
PWOPRSES0001555	CONDUIT	1.945	0	05:15	5.69	0.06	0.17
PWOPRSES0001556	CONDUIT	2.085	0	05:15	3.45	0.06	0.28
PWOPRSES0001557	CONDUIT	1.731	0	05:15	2.78	0.02	0.36
PWOPRSES0001558	CONDUIT	5.075	0	05:15	1.67	0.26	0.61
PWOPRSES0001559	CONDUIT	4.920	0	05:15	4.06	0.14	0.42
PWOPRSES0001564	CONDUIT	2.110	0	05:14	2.84	0.07	0.48
PWOPRSES0001565	CONDUIT	8.174	0	05:15	2.26	0.60	0.69
PWOPRSES0001566	CONDUIT	6.043	0	05:14	1.72	0.40	0.68
PWOPRSES0001567	CONDUIT	0.214	0	05:14	1.24	0.01	0.13
PWOPRSES0001571	CONDUIT	0.000	0	00:00	0.00	0.00	0.06
PWOPRSES0001572	CONDUIT	4.351	0	05:15	4.85	0.20	0.33
PWOPRSES0001575	CONDUIT	6.515	0	05:15	1.28	0.47	1.00
PWOPRSES0001576	CONDUIT	9.424	0	05:15	3.00	1.08	1.00
PWOPRSES0001577	CONDUIT	2.990	0	05:02	0.63	0.16	1.00
PWOPRSES0001579	CONDUIT	0.316	0	05:15	2.08	0.02	0.09
PWOPRSES0001580	CONDUIT	0.438	0	04:28	2.02	0.02	0.26
PWOPRSES0001581	CONDUIT	0.595	0	04:38	1.48	0.05	0.47
PWOPRSES0001582	CONDUIT	1.153	0	04:28	1.39	0.10	0.56
PWOPRSES0001583	CONDUIT	0.459	0	04:29	0.87	0.02	0.37
PWOPRSES0001584	CONDUIT	0.541	0	04:23	1.75	0.02	0.56
PWOPRSES0001585	CONDUIT	0.854	0	05:26	0.82	0.07	0.68
PWOPRSES0001586	CONDUIT	0.371	0	05:13	1.71	0.03	0.17
PWOPRSES0001587	CONDUIT	1.629	0	04:29	1.13	0.11	0.79
PWOPRSES0001633	CONDUIT	0.454	0	05:15	1.78	0.05	0.14
PWOPRSES0001634	CONDUIT	0.076	0	05:15	1.23	0.00	0.05
PWOPRSES0001654	CONDUIT	2.974	0	05:15	2.05	0.32	0.47
PWOPRSES0001655	CONDUIT	3.853	0	05:15	3.14	0.28	0.41
PWOPRSES0001656	CONDUIT	4.034	0	05:15	3.62	0.31	0.39
PWOPRSES0001658	CONDUIT	2.789	0	05:15	1.99	0.32	0.46
PWOPRSES0001660	CONDUIT	3.268	0	05:15	2.15	0.40	0.49
PWOPRSES0001662	CONDUIT	0.420	0	05:15	1.86	0.02	0.14
PWOPRSES0001663	CONDUIT	0.420	0	05:15	1.86	0.03	0.12
PWOPRSES0001667	CONDUIT	5.017	0	05:14	2.52	0.35	0.64
PWOPRSES0001679	CONDUIT	0.249	0	05:15	1.67	0.01	0.13
PWOPRSES0001680	CONDUIT	0.653	0	05:15	2.65	0.02	0.17
PWOPRSES0001681	CONDUIT	0.569	0	05:15	4.10	0.02	0.09
PWOPRSES0001682	CONDUIT	1.716	0	05:15	2.34	0.17	0.29
PWOPRSES0001684	CONDUIT	0.357	0	05:15	1.56	0.03	0.14
PWOPRSES0001687	CONDUIT	0.207	0	05:15	2.07	0.01	0.07
PWOPRSES0001688	CONDUIT	0.922	0	05:15	3.37	0.04	0.14
PWOPRSES0001698	CONDUIT	0.922	0	05:15	2.89	0.04	0.16
PWOPRSES0001699	CONDUIT	0.924	0	05:14	2.69	0.05	0.17
PWOPRSES0001711	CONDUIT	0.729	0	05:15	1.73	0.07	0.19
PWOPRSES0001712	CONDUIT	0.391	0	05:15	1.83	0.02	0.15
PWOPRSES0001713	CONDUIT	1.211	0	05:15	1.54	0.12	0.30
PWOPRSES0001718	CONDUIT	3.380	0	05:27	1.75	0.54	0.94
PWOPRSES0001720	CONDUIT	0.817	0	05:25	1.28	0.07	0.70
PWOPRSES0001721	CONDUIT	1.990	0	05:27	1.40	0.21	0.86
PWOPRSES0001724	CONDUIT	6.722	0	05:15	1.91	0.45	0.64
PWOPRSES0001725	CONDUIT	6.722	0	05:15	1.90	0.34	0.64
PWOPRSES0001728	CONDUIT	7.016	0	05:15	2.39	0.34	0.56
PWOPRSES0001730	CONDUIT	8.290	0	05:15	4.68	0.45	0.40
PWOPRSES0001732	CONDUIT	0.206	0	05:15	1.84	0.01	0.08

PWOPRSES0001733	CONDUIT	1.274	0	05:15	1.58	0.33	0.30
PWOPRSES0001744	CONDUIT	3.113	0	05:15	1.85	0.30	0.53
PWOPRSES0001745	CONDUIT	2.384	0	05:15	3.56	0.09	0.27
PWOPRSES0001747	CONDUIT	0.112	0	05:15	2.18	0.00	0.05
PWOPRSES0001748	CONDUIT	2.652	0	05:15	2.13	0.14	0.42
PWOPRSES0001750	CONDUIT	3.948	0	05:15	1.83	0.31	0.65
PWOPRSES0001753	CONDUIT	3.893	0	05:15	1.86	0.26	0.63
PWOPRSES0001754	CONDUIT	0.115	0	05:15	1.09	0.01	0.12
PWOPRSES0001755	CONDUIT	3.052	0	05:15	1.80	0.34	0.53
PWOPRSES0001756	CONDUIT	3.114	0	05:15	2.04	0.34	0.50
PWOPRSES0001757	CONDUIT	3.034	0	05:15	1.95	0.32	0.50
PWOPRSES0001758	CONDUIT	0.121	0	05:15	1.12	0.01	0.09
PWOPRSES0001759	CONDUIT	3.210	0	05:15	1.98	0.27	0.53
PWOPRSES0001760	CONDUIT	3.325	0	05:15	2.21	0.30	0.53
PWOPRSES0001761	CONDUIT	0.402	0	05:15	1.31	0.04	0.22
PWOPRSES0001765A	CONDUIT	1.067	0	05:15	1.21	0.12	0.35
PWOPRSES0001765B	CONDUIT	2.118	0	05:15	2.08	0.23	0.40
PWOPRSES0001766	CONDUIT	1.057	0	05:15	2.66	0.06	0.21
PWOPRSES0001768	CONDUIT	0.605	0	05:15	2.06	0.04	0.21
PWOPRSES0001770	CONDUIT	0.776	0	05:15	1.93	0.06	0.19
PWOPRSES0001771	CONDUIT	0.545	0	05:15	2.90	0.01	0.13
PWOPRSES0001774	CONDUIT	3.438	0	05:24	0.92	0.40	1.00
PWOPRSES0001775	CONDUIT	3.376	0	05:14	1.21	0.03	0.86
PWOPRSES0001776	CONDUIT	1.254	0	05:14	0.90	0.13	0.63
PWOPRSES0001777	CONDUIT	0.356	0	05:15	1.29	0.03	0.15
PWOPRSES0001778	CONDUIT	0.712	0	05:15	1.32	0.10	0.41
PWOPRSES0001779	CONDUIT	5.273	0	05:15	2.49	0.08	0.46
PWOPRSES0001780	CONDUIT	0.500	0	05:14	1.34	0.04	0.37
PWOPRSES0001781	CONDUIT	0.049	0	05:19	0.18	0.00	0.23
PWOPRSES0001782	CONDUIT	0.679	0	05:13	1.42	0.07	0.29
PWOPRSES0001783	CONDUIT	0.317	0	05:15	1.51	0.03	0.12
PWOPRSES0001784	CONDUIT	6.767	0	05:15	2.61	0.69	0.77
PWOPRSES0001785	CONDUIT	4.654	0	05:15	2.67	0.41	0.54
PWOPRSES0001786	CONDUIT	0.623	0	05:13	1.71	0.06	0.19
PWOPRSES0001790	CONDUIT	1.075	0	05:29	0.99	0.13	0.90
PWOPRSES0001791	CONDUIT	1.961	0	05:26	2.21	0.18	0.96
PWOPRSES0001797	CONDUIT	6.763	0	05:15	2.74	0.89	0.73
PWOPRSES0001798	CONDUIT	6.826	0	05:15	3.58	0.11	0.38
PWOPRSES0001803	CONDUIT	1.496	0	04:29	0.69	0.19	0.81
PWOPRSES0001806	CONDUIT	1.500	0	05:15	2.55	0.11	0.37
PWOPRSES0001807	CONDUIT	5.297	0	04:31	1.89	0.47	0.80
PWOPRSES0001808	CONDUIT	0.133	0	05:15	1.40	0.01	0.10
PWOPRSES0001809	CONDUIT	1.496	0	04:31	2.09	0.14	0.43
PWOPRSES0001810	CONDUIT	0.362	0	04:27	0.66	0.03	0.32
PWOPRSES0001812	CONDUIT	1.991	0	04:27	1.61	0.17	0.62
PWOPRSES0001819	CONDUIT	0.806	0	05:15	2.53	0.04	0.16
PWOPRSES0001821	CONDUIT	1.171	0	05:14	2.61	0.08	0.21
PWOPRSES0001822	CONDUIT	0.363	0	05:15	3.33	0.01	0.08
PWOPRSES0001823	CONDUIT	1.487	0	05:14	1.59	0.17	0.35
PWOPRSES0001824	CONDUIT	4.256	0	05:15	2.32	0.54	0.62
PWOPRSES0001825	CONDUIT	2.371	0	05:13	1.98	0.28	0.45
PWOPRSES0001826	CONDUIT	1.581	0	05:13	1.51	0.38	0.39
PWOPRSES0001827	CONDUIT	2.522	0	05:15	1.83	0.29	0.55
PWOPRSES0001828	CONDUIT	2.708	0	05:14	1.90	0.26	0.60
PWOPRSES0001829	CONDUIT	7.916	0	05:14	1.57	0.14	0.65
PWOPRSES0001840	CONDUIT	3.581	0	05:24	1.74	0.29	0.99
PWOPRSES0001841	CONDUIT	3.590	0	05:24	1.69	0.19	1.00

PWOPRSES0001842	CONDUIT	2.520	0	04:29	1.86	0.09	0.99
PWOPRSES0001844	CONDUIT	0.310	0	05:00	1.52	0.02	0.19
PWOPRSES0001845	CONDUIT	0.465	0	05:15	1.59	0.04	0.19
PWOPRSES0001855	CONDUIT	1.533	0	05:15	3.35	0.07	0.20
PWOPRSES0001856	CONDUIT	0.590	0	05:15	3.36	0.02	0.10
PWOPRSES0001861	CONDUIT	0.165	0	05:15	1.59	0.01	0.07
PWOPRSES0001862	CONDUIT	0.449	0	05:15	1.94	0.02	0.18
PWOPRSES0001865	CONDUIT	0.861	0	05:15	2.02	0.08	0.19
PWOPRSES0001866	CONDUIT	0.697	0	05:15	3.81	0.02	0.11
PWOPRSES0001868	CONDUIT	0.555	0	05:15	0.85	0.07	0.37
PWOPRSES0001890	CONDUIT	1.045	0	05:14	2.50	0.07	0.25
PWOPRSES0001891	CONDUIT	0.933	0	05:15	2.34	0.06	0.21
PWOPRSES0001892	CONDUIT	0.375	0	05:15	1.11	0.04	0.27
PWOPRSES0001895	CONDUIT	0.621	0	05:15	2.35	0.03	0.14
PWOPRSES0001896	CONDUIT	0.647	0	05:15	2.83	0.03	0.13
PWOPRSES0001897	CONDUIT	0.647	0	05:15	2.29	0.03	0.15
PWOPRSES0001899	CONDUIT	0.461	0	05:15	2.02	0.02	0.13
PWOPRSES0001900	CONDUIT	0.461	0	05:15	1.99	0.02	0.13
PWOPRSES0001904	CONDUIT	1.110	0	05:15	1.26	0.09	0.37
PWOPRSES0001905	CONDUIT	2.645	0	05:12	1.57	0.27	0.55
PWOPRSES0001906	CONDUIT	1.641	0	05:15	1.26	0.16	0.50
PWOPRSES0001919	CONDUIT	0.005	0	05:16	0.04	0.00	0.10
PWOPRSES0001930	CONDUIT	0.614	0	05:15	1.66	0.06	0.18
PWOPRSES0001931	CONDUIT	1.205	0	05:15	1.71	0.18	0.28
PWOPRSES0001932	CONDUIT	0.000	0	00:00	0.00	0.00	0.06
PWOPRSES0001941	CONDUIT	1.258	0	05:15	3.26	0.05	0.18
PWOPRSES0001942	CONDUIT	0.912	0	05:15	3.53	0.04	0.14
PWOPRSES0001943	CONDUIT	0.912	0	05:15	2.07	0.08	0.20
PWOPRSES0001944	CONDUIT	0.912	0	05:15	2.13	0.08	0.19
PWOPRSES0001951	CONDUIT	0.000	0	00:00	0.00	0.00	0.08
PWOPRSES0001952	CONDUIT	0.633	0	05:15	1.83	0.06	0.17
PWOPRSES0001960	CONDUIT	0.633	0	05:15	1.87	0.06	0.16
PWOPRSES0001961	CONDUIT	1.142	0	05:15	2.84	0.06	0.22
PWOPRSES0001962	CONDUIT	2.407	0	04:32	1.49	0.23	0.63
PWOPRSES0001963	CONDUIT	0.541	0	04:30	1.74	0.03	0.37
PWOPRSES0001968	CONDUIT	0.504	0	05:15	4.66	0.01	0.08
PWOPRSES0001972	CONDUIT	0.551	0	05:15	1.17	0.06	0.24
PWOPRSES0001976	CONDUIT	8.532	0	05:16	2.12	0.70	0.77
PWOPRSES0001977	CONDUIT	1.057	0	05:15	1.17	0.08	0.44
PWOPRSES0001978	CONDUIT	9.961	0	05:15	1.62	0.26	0.82
PWOPRSES0001979	CONDUIT	1.057	0	05:15	1.20	0.06	0.56
PWOPRSES0001984	CONDUIT	8.265	0	05:15	2.26	0.59	0.70
PWOPRSES0002119	CONDUIT	0.721	0	05:15	1.71	0.07	0.19
PWOPRSES0002120	CONDUIT	0.844	0	05:15	1.34	0.07	0.26
PWOPRSES0002121	CONDUIT	0.721	0	05:15	1.20	0.10	0.25
PWOPRSES0002122	CONDUIT	1.062	0	05:15	1.67	0.08	0.28
PWOPRSES0003435	CONDUIT	2.282	0	05:15	2.82	0.10	0.30
PWOPRSES0003436	CONDUIT	2.312	0	05:15	2.47	0.21	0.34
PWOPRSES0003439	CONDUIT	0.000	0	00:00	0.00	0.00	0.04
PWOPRSES0003446	CONDUIT	1.915	0	05:15	1.93	0.28	0.35
PWOPRSES0003447	CONDUIT	1.915	0	05:15	4.68	0.05	0.19
PWOPRSES0003448	CONDUIT	1.915	0	05:15	3.08	0.08	0.25
PWOPRSES0003449	CONDUIT	2.172	0	05:15	3.74	0.10	0.24
PWOPRSES0003457	CONDUIT	0.776	0	05:15	1.72	0.06	0.20
PWOPRSES0003465	CONDUIT	0.451	0	05:15	2.38	0.02	0.14
PWOPRSES0003466	CONDUIT	1.412	0	05:15	1.73	0.13	0.31
PWOPRSES0004584	CONDUIT	1.046	0	05:15	3.38	0.04	0.15

PWOPRSES0004585	CONDUIT	1.046	0	05:15	2.77	0.03	0.18
PWOPRSES0004586	CONDUIT	1.126	0	05:15	2.48	0.07	0.20
PWOPRSES0004587	CONDUIT	0.477	0	05:15	1.29	0.04	0.18
PWOPRSES0004588	CONDUIT	1.041	0	05:15	1.96	0.11	0.23
PWOPRSES0004589	CONDUIT	0.735	0	05:15	2.47	0.03	0.15
PWOPRSES0004590	CONDUIT	1.081	0	05:15	2.10	0.06	0.23
PWOPRSES0004591	CONDUIT	3.091	0	05:15	2.32	0.15	0.33
PWOPRSES0004592	CONDUIT	3.440	0	05:15	2.44	0.16	0.34
PWOPRSES0004593	CONDUIT	0.350	0	05:15	1.43	0.01	0.22
PWOPRSES0004594	CONDUIT	3.819	0	05:15	1.69	0.19	0.47
PWOPRSES0004597	CONDUIT	0.000	0	00:00	0.00	0.00	0.05
PWOPRSES0004603	CONDUIT	0.519	0	05:15	1.87	0.04	0.15
PWOPRSES0004637	CONDUIT	0.827	0	05:15	3.38	0.04	0.13
PWOPRSES0005529	CONDUIT	0.013	0	05:15	0.46	0.00	0.06
PWOPRSES0005530	CONDUIT	0.007	0	04:20	0.82	0.00	0.05
PWOPRSES0005531	CONDUIT	0.544	0	05:15	1.34	0.10	0.19
PWOPRSES0005532	CONDUIT	0.610	0	05:05	0.86	0.05	0.41
PWOPRSES0005534	CONDUIT	4.656	0	05:15	2.41	0.50	0.59
PWOPRSES0005535	CONDUIT	0.064	0	05:15	1.02	0.01	0.05
PWOPRSES0005536	CONDUIT	0.192	0	05:15	2.14	0.01	0.07
PWOPRSES0005537	CONDUIT	0.192	0	05:15	1.66	0.01	0.10
PWOPRSES0005539	CONDUIT	0.265	0	05:15	1.34	0.02	0.12
PWOPRSES0005540	CONDUIT	0.667	0	05:15	2.00	0.04	0.16
PWOPRSES0005541	CONDUIT	0.667	0	05:15	2.56	0.04	0.14
PWOPRSES0005710	CONDUIT	8.497	0	05:15	3.62	0.08	0.29
PWOPRSES0005734	CONDUIT	0.026	0	05:10	0.47	0.00	0.17
PWOPRSES0005735	CONDUIT	1.966	0	05:15	2.25	0.20	0.32
PWOPRSES0005736	CONDUIT	1.877	0	05:15	2.86	0.12	0.26
PWOPRSES0005739	CONDUIT	1.204	0	05:15	2.84	0.04	0.19
PWOPRSES0005744	CONDUIT	0.649	0	05:15	1.58	0.03	0.19
PWOPRSES0005766	CONDUIT	2.134	0	05:15	2.57	0.18	0.31
PWOPRSES0005767	CONDUIT	2.212	0	05:15	2.64	0.21	0.31
PWOPRSES0005768	CONDUIT	2.346	0	05:15	2.80	0.20	0.31
PWOPRSES0005769	CONDUIT	2.862	0	05:15	0.68	0.04	0.57
PWOPRSES0005770	CONDUIT	0.404	0	05:15	1.56	0.03	0.14
PWOPRSES0005771	CONDUIT	0.451	0	05:15	1.24	0.02	0.17
PWOPRSES0006537	CONDUIT	0.111	0	05:15	0.53	0.01	0.12
PWOPRSES0006538	CONDUIT	0.677	0	05:25	0.35	0.06	0.75
PWOPRSES0006542	CONDUIT	0.139	0	05:15	1.10	0.01	0.08
PWOPRSES0006547	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
PWOPRSES0006548	CONDUIT	0.000	0	00:00	0.00	0.00	0.02
PWOPRSES0006549	CONDUIT	0.608	0	05:15	1.83	0.05	0.16
PWOPRSES0006550	CONDUIT	0.744	0	05:15	1.79	0.08	0.19
PWOPRSES0006551	CONDUIT	0.365	0	05:11	1.61	0.03	0.13
PWOPRSES0006552	CONDUIT	1.256	0	05:15	1.72	0.12	0.30
PWOPRSES0006553	CONDUIT	3.139	0	04:37	0.87	0.10	0.53
PWOPRSES0006554	CONDUIT	0.564	0	05:14	1.86	0.03	0.22
PWOPRSES0006555	CONDUIT	0.237	0	05:15	0.92	0.02	0.20
PWOPRSES0006576	CONDUIT	0.360	0	05:15	1.64	0.03	0.12
PWOPRSES0006577	CONDUIT	0.471	0	05:15	1.80	0.04	0.14
STMEasement	CONDUIT	1.450	0	05:26	0.57	0.13	0.93
SWMPOND_OUT	CONDUIT	6.159	0	04:32	1.09	0.16	0.78

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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
1	1.00	0.68	0.03	0.00	0.18	0.11	0.00	0.00	0.85	0.00
10	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.80	0.00
11	1.00	0.40	0.14	0.00	0.45	0.00	0.00	0.00	0.81	0.00
13	1.00	0.69	0.00	0.00	0.22	0.09	0.00	0.00	0.12	0.00
14	1.00	0.55	0.15	0.00	0.31	0.00	0.00	0.00	0.98	0.00
15	1.00	0.46	0.00	0.00	0.50	0.05	0.00	0.00	0.23	0.00
16	1.00	0.00	0.63	0.00	0.36	0.01	0.00	0.00	0.98	0.00
17	1.00	0.00	0.47	0.00	0.52	0.00	0.00	0.00	0.94	0.00
18	1.00	0.00	0.00	0.00	0.88	0.11	0.00	0.00	0.95	0.00
19	1.00	0.00	0.00	0.00	0.80	0.20	0.00	0.00	0.36	0.00
2	1.00	0.43	0.26	0.00	0.31	0.00	0.00	0.00	0.97	0.00
20	1.00	0.12	0.00	0.00	0.74	0.13	0.00	0.00	0.52	0.00
21	1.00	0.15	0.00	0.00	0.81	0.03	0.00	0.00	0.74	0.00
22	1.00	0.08	0.08	0.00	0.85	0.00	0.00	0.00	0.83	0.00
23	1.00	0.08	0.00	0.00	0.77	0.15	0.00	0.00	0.01	0.00
24	1.00	0.28	0.05	0.00	0.35	0.32	0.00	0.00	0.82	0.00
25	1.00	0.62	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00	0.29	0.00
27	1.00	0.59	0.03	0.00	0.21	0.17	0.00	0.00	0.97	0.00
28	1.00	0.58	0.01	0.00	0.24	0.17	0.00	0.00	0.88	0.00
29	1.00	0.38	0.00	0.00	0.44	0.17	0.00	0.00	0.11	0.00
3	1.00	0.43	0.00	0.00	0.57	0.00	0.00	0.00	0.05	0.00
30	1.00	0.46	0.00	0.00	0.36	0.17	0.00	0.00	0.48	0.00
31	1.00	0.35	0.11	0.00	0.50	0.04	0.00	0.00	0.91	0.00
32	1.00	0.35	0.00	0.00	0.55	0.10	0.00	0.00	0.00	0.00
33	1.00	0.45	0.01	0.00	0.37	0.17	0.00	0.00	0.36	0.00
34	1.00	0.45	0.00	0.00	0.39	0.15	0.00	0.00	0.24	0.00
35	1.00	0.16	0.30	0.00	0.53	0.01	0.00	0.00	0.93	0.00
37	1.00	0.05	0.70	0.00	0.25	0.00	0.00	0.00	0.93	0.00
38	1.00	0.34	0.25	0.00	0.33	0.09	0.00	0.00	0.99	0.00
4	1.00	0.51	0.02	0.00	0.37	0.09	0.00	0.00	0.92	0.00
40	1.00	0.34	0.00	0.00	0.49	0.17	0.00	0.00	0.49	0.00
41	1.00	0.00	0.28	0.00	0.62	0.09	0.00	0.00	0.99	0.00
42	1.00	0.40	0.00	0.00	0.56	0.04	0.00	0.00	0.25	0.00
43	1.00	0.69	0.07	0.00	0.24	0.00	0.00	0.00	0.99	0.00
47	1.00	0.00	0.00	0.00	0.81	0.18	0.00	0.00	0.05	0.00
5	1.00	0.44	0.08	0.00	0.48	0.00	0.00	0.00	0.96	0.00
6	1.00	0.37	0.07	0.00	0.53	0.04	0.00	0.00	0.99	0.00
7	1.00	0.00	0.36	0.00	0.62	0.01	0.00	0.00	0.98	0.00
70	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
8	1.00	0.00	0.00	0.00	0.91	0.08	0.00	0.00	0.00	0.00
9	1.00	0.00	0.69	0.00	0.31	0.00	0.00	0.00	0.94	0.00
PWOPRSES0001498	1.00	0.00	0.00	0.00	0.11	0.03	0.00	0.85	0.00	0.00
PWOPRSES0001507	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001510	1.00	0.00	0.00	0.00	0.02	0.01	0.00	0.97	0.00	0.00
PWOPRSES0001511	1.00	0.00	0.00	0.00	0.01	0.12	0.00	0.86	0.00	0.00
PWOPRSES0001512	1.00	0.99	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001515	1.00	0.98	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001516	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001518	1.00	0.98	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001519	1.00	0.82	0.00	0.00	0.03	0.00	0.00	0.15	0.00	0.00

PWOPRSES0001520	1.00	0.00	0.00	0.00	0.05	0.00	0.00	0.94	0.01	0.00
PWOPRSES0001521	1.00	0.00	0.00	0.00	0.04	0.00	0.00	0.96	0.02	0.00
PWOPRSES0001522	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001524	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.02	0.00
PWOPRSES0001525	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001530	1.00	0.82	0.00	0.00	0.17	0.00	0.00	0.01	0.16	0.00
PWOPRSES0001534	1.00	0.82	0.00	0.00	0.06	0.00	0.00	0.12	0.00	0.00
PWOPRSES0001535	1.00	0.82	0.00	0.00	0.18	0.00	0.00	0.00	0.13	0.00
PWOPRSES0001536	1.00	0.82	0.00	0.00	0.04	0.00	0.00	0.13	0.01	0.00
PWOPRSES0001537	1.00	0.82	0.00	0.00	0.15	0.00	0.00	0.03	0.01	0.00
PWOPRSES0001538	1.00	0.82	0.00	0.00	0.17	0.00	0.00	0.00	0.98	0.00
PWOPRSES0001541	1.00	0.00	0.82	0.00	0.17	0.00	0.00	0.00	0.95	0.00
PWOPRSES0001542	1.00	0.00	0.00	0.00	0.05	0.00	0.00	0.94	0.01	0.00
PWOPRSES0001543	1.00	0.16	0.66	0.00	0.17	0.01	0.00	0.00	0.94	0.00
PWOPRSES0001544	1.00	0.46	0.36	0.00	0.18	0.00	0.00	0.00	0.94	0.00
PWOPRSES0001545	1.00	0.00	0.00	0.00	0.05	0.00	0.00	0.94	0.01	0.00
PWOPRSES0001546	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001547	1.00	0.00	0.00	0.00	0.00	0.07	0.00	0.93	0.00	0.00
PWOPRSES0001548	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001551	1.00	0.00	0.00	0.00	0.00	0.03	0.00	0.97	0.00	0.00
PWOPRSES0001555	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001556	1.00	0.00	0.82	0.00	0.00	0.17	0.00	0.00	1.00	0.00
PWOPRSES0001557	1.65	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.01	0.00
PWOPRSES0001558	1.00	0.00	0.00	0.00	0.17	0.01	0.00	0.82	0.01	0.00
PWOPRSES0001559	1.00	0.00	0.81	0.00	0.01	0.18	0.00	0.00	1.00	0.00
PWOPRSES0001564	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.97	0.00	0.00
PWOPRSES0001565	1.00	0.81	0.00	0.00	0.19	0.00	0.00	0.00	0.83	0.00
PWOPRSES0001566	1.00	0.00	0.00	0.00	0.08	0.00	0.00	0.91	0.00	0.00
PWOPRSES0001567	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.01	0.00
PWOPRSES0001571	1.00	0.90	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001572	1.00	0.00	0.00	0.00	0.81	0.18	0.00	0.00	0.00	0.00
PWOPRSES0001575	1.00	0.35	0.47	0.00	0.18	0.00	0.00	0.00	0.91	0.00
PWOPRSES0001576	1.00	0.82	0.01	0.00	0.17	0.00	0.00	0.00	0.92	0.00
PWOPRSES0001577	1.00	0.82	0.00	0.00	0.18	0.00	0.00	0.00	0.94	0.00
PWOPRSES0001579	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001580	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.01	0.00
PWOPRSES0001581	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001582	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.97	0.00	0.00
PWOPRSES0001583	1.12	0.97	0.01	0.00	0.02	0.00	0.00	0.00	0.92	0.00
PWOPRSES0001584	1.13	0.00	0.00	0.00	0.03	0.00	0.00	0.97	0.01	0.00
PWOPRSES0001585	1.00	0.00	0.00	0.00	0.98	0.01	0.00	0.00	0.92	0.00
PWOPRSES0001586	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001587	1.00	0.00	0.82	0.00	0.14	0.04	0.00	0.00	0.95	0.00
PWOPRSES0001633	1.00	0.00	0.82	0.00	0.02	0.16	0.00	0.00	0.82	0.00
PWOPRSES0001634	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001654	1.00	0.00	0.00	0.00	0.03	0.00	0.00	0.96	0.00	0.00
PWOPRSES0001655	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.00	0.00
PWOPRSES0001656	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001658	1.00	0.00	0.82	0.00	0.18	0.00	0.00	0.00	0.89	0.00
PWOPRSES0001660	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001662	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.00	0.00
PWOPRSES0001663	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001667	1.00	0.00	0.00	0.00	0.01	0.05	0.00	0.93	0.01	0.00
PWOPRSES0001679	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.01	0.00
PWOPRSES0001680	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.00	0.00
PWOPRSES0001681	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001682	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00

PWOPRSES0001684	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.00	0.00
PWOPRSES0001687	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.00	0.00
PWOPRSES0001688	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001698	1.00	0.00	0.82	0.00	0.01	0.17	0.00	0.00	0.91	0.00
PWOPRSES0001699	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0001711	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.00	0.00
PWOPRSES0001712	1.51	0.00	0.00	0.00	0.01	0.01	0.00	0.98	0.00	0.00
PWOPRSES0001713	1.00	0.00	0.00	0.00	0.04	0.00	0.00	0.95	0.00	0.00
PWOPRSES0001718	1.00	0.00	0.82	0.00	0.18	0.00	0.00	0.00	0.01	0.00
PWOPRSES0001720	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001721	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001724	1.00	0.82	0.00	0.00	0.18	0.00	0.00	0.00	0.08	0.00
PWOPRSES0001725	1.00	0.82	0.00	0.00	0.04	0.00	0.00	0.14	0.00	0.00
PWOPRSES0001728	1.00	0.82	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.00
PWOPRSES0001730	1.00	0.82	0.00	0.00	0.10	0.08	0.00	0.00	0.01	0.00
PWOPRSES0001732	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001733	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001744	1.00	0.00	0.00	0.00	0.04	0.01	0.00	0.94	0.00	0.00
PWOPRSES0001745	1.16	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001747	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001748	1.00	0.00	0.00	0.00	0.02	0.04	0.00	0.94	0.06	0.00
PWOPRSES0001750	1.00	0.00	0.00	0.00	0.07	0.02	0.00	0.91	0.00	0.00
PWOPRSES0001753	1.00	0.00	0.82	0.00	0.06	0.12	0.00	0.00	0.02	0.00
PWOPRSES0001754	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.01	0.00
PWOPRSES0001755	1.00	0.00	0.00	0.00	0.04	0.07	0.00	0.89	0.00	0.00
PWOPRSES0001756	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001757	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001758	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.01	0.00
PWOPRSES0001759	1.00	0.00	0.00	0.00	0.02	0.04	0.00	0.93	0.00	0.00
PWOPRSES0001760	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001761	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001765A	1.00	0.00	0.82	0.00	0.18	0.00	0.00	0.00	0.98	0.00
PWOPRSES0001765B	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001766	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.00	0.00
PWOPRSES0001768	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001770	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001771	1.20	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0001774	1.00	0.81	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001775	1.00	0.55	0.27	0.00	0.19	0.00	0.00	0.00	0.95	0.00
PWOPRSES0001776	1.00	0.00	0.00	0.00	0.17	0.00	0.00	0.82	0.15	0.00
PWOPRSES0001777	1.00	0.00	0.00	0.00	0.03	0.05	0.00	0.92	0.02	0.00
PWOPRSES0001778	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001779	1.00	0.81	0.00	0.00	0.17	0.00	0.00	0.02	0.17	0.00
PWOPRSES0001780	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001781	1.00	0.90	0.08	0.00	0.02	0.00	0.00	0.00	0.93	0.00
PWOPRSES0001782	1.00	0.00	0.00	0.00	0.03	0.01	0.00	0.96	0.01	0.00
PWOPRSES0001783	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001784	1.00	0.00	0.00	0.00	0.04	0.02	0.00	0.94	0.00	0.00
PWOPRSES0001785	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001786	2.09	0.00	0.00	0.00	0.02	0.01	0.00	0.97	0.00	0.00
PWOPRSES0001790	1.00	0.00	0.00	0.00	0.02	0.04	0.00	0.93	0.00	0.00
PWOPRSES0001791	1.00	0.00	0.82	0.00	0.10	0.08	0.00	0.00	0.83	0.00
PWOPRSES0001797	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001798	1.00	0.81	0.00	0.00	0.02	0.01	0.00	0.16	0.01	0.00
PWOPRSES0001803	1.00	0.82	0.01	0.00	0.17	0.00	0.00	0.00	0.97	0.00
PWOPRSES0001806	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.02	0.00
PWOPRSES0001807	1.00	0.82	0.01	0.00	0.18	0.00	0.00	0.00	0.84	0.00

PWOPRSES0001808	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001809	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001810	1.00	0.06	0.00	0.00	0.02	0.00	0.00	0.92	0.00	0.00
PWOPRSES0001812	1.00	0.00	0.00	0.00	0.06	0.00	0.00	0.94	0.03	0.00
PWOPRSES0001819	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.02	0.00
PWOPRSES0001821	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0001822	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001823	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001824	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.99	0.00	0.00
PWOPRSES0001825	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001826	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001827	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001828	1.00	0.00	0.82	0.00	0.18	0.00	0.00	0.00	0.85	0.00
PWOPRSES0001829	1.00	0.55	0.28	0.00	0.18	0.00	0.00	0.00	0.98	0.00
PWOPRSES0001840	1.00	0.00	0.00	0.00	0.03	0.00	0.00	0.96	0.01	0.00
PWOPRSES0001841	1.25	0.81	0.01	0.00	0.18	0.00	0.00	0.00	0.96	0.00
PWOPRSES0001842	1.36	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.16	0.00
PWOPRSES0001844	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.01	0.00
PWOPRSES0001845	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.01	0.00
PWOPRSES0001855	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001856	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001861	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001862	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.97	0.02	0.00
PWOPRSES0001865	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001866	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001868	1.00	0.00	0.82	0.00	0.17	0.00	0.00	0.00	0.91	0.00
PWOPRSES0001890	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.00	0.00
PWOPRSES0001891	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
PWOPRSES0001892	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001895	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001896	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001897	1.00	0.00	0.00	0.00	0.83	0.17	0.00	0.00	0.91	0.00
PWOPRSES0001899	1.04	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
PWOPRSES0001900	1.00	0.01	0.00	0.00	0.83	0.16	0.00	0.00	0.14	0.00
PWOPRSES0001904	1.00	0.00	0.00	0.00	0.03	0.01	0.00	0.96	0.02	0.00
PWOPRSES0001905	1.00	0.00	0.00	0.00	0.03	0.00	0.00	0.96	0.00	0.00
PWOPRSES0001906	1.00	0.00	0.00	0.00	0.05	0.00	0.00	0.94	0.02	0.00
PWOPRSES0001919	1.00	0.94	0.04	0.00	0.02	0.00	0.00	0.00	0.93	0.00
PWOPRSES0001930	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001931	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001932	1.00	0.98	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001941	1.00	0.00	0.00	0.00	0.00	0.06	0.00	0.94	0.03	0.00
PWOPRSES0001942	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001943	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001944	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001951	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001952	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001960	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001961	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0001962	1.00	0.00	0.00	0.00	0.06	0.00	0.00	0.94	0.03	0.00
PWOPRSES0001963	1.00	0.00	0.00	0.00	0.02	0.01	0.00	0.96	0.03	0.00
PWOPRSES0001968	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001972	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.97	0.02	0.00
PWOPRSES0001976	1.00	0.00	0.00	0.00	0.08	0.00	0.00	0.91	0.01	0.00
PWOPRSES0001977	1.00	0.00	0.00	0.00	0.03	0.00	0.00	0.96	0.01	0.00
PWOPRSES0001978	1.00	0.00	0.80	0.00	0.20	0.00	0.00	0.00	0.93	0.00
PWOPRSES0001979	1.00	0.00	0.00	0.00	0.04	0.00	0.00	0.96	0.00	0.00

PWOPRSES0001984	1.00	0.00	0.81	0.00	0.19	0.00	0.00	0.00	0.95	0.00
PWOPRSES0002119	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0002120	1.00	0.00	0.00	0.00	0.02	0.01	0.00	0.97	0.00	0.00
PWOPRSES0002121	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.00	0.00
PWOPRSES0002122	1.00	0.00	0.00	0.00	0.01	0.01	0.00	0.98	0.00	0.00
PWOPRSES0003435	1.00	0.00	0.00	0.00	0.00	0.03	0.00	0.96	0.00	0.00
PWOPRSES0003436	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0003439	1.00	0.95	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0003446	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0003447	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0003448	1.27	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0003449	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.00	0.00
PWOPRSES0003457	1.00	0.00	0.82	0.00	0.09	0.09	0.00	0.00	0.09	0.00
PWOPRSES0003465	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.00	0.00
PWOPRSES0003466	1.00	0.00	0.00	0.00	0.03	0.02	0.00	0.95	0.00	0.00
PWOPRSES0004584	1.04	0.00	0.00	0.00	0.82	0.17	0.00	0.00	0.00	0.00
PWOPRSES0004585	1.00	0.00	0.82	0.00	0.01	0.16	0.00	0.00	1.00	0.00
PWOPRSES0004586	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0004587	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
PWOPRSES0004588	1.00	0.00	0.83	0.00	0.09	0.08	0.00	0.00	0.00	0.00
PWOPRSES0004589	1.00	0.00	0.82	0.00	0.01	0.16	0.00	0.00	0.99	0.00
PWOPRSES0004590	1.00	0.00	0.00	0.00	0.00	0.04	0.00	0.95	0.00	0.00
PWOPRSES0004591	1.00	0.83	0.00	0.00	0.17	0.00	0.00	0.00	0.17	0.00
PWOPRSES0004592	1.00	0.83	0.00	0.00	0.09	0.00	0.00	0.09	0.00	0.00
PWOPRSES0004593	2.35	0.00	0.00	0.00	0.02	0.02	0.00	0.96	0.00	0.00
PWOPRSES0004594	1.00	0.00	0.82	0.00	0.18	0.00	0.00	0.00	1.00	0.00
PWOPRSES0004597	1.00	0.98	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0004603	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.00	0.00
PWOPRSES0004637	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005529	1.00	0.00	0.00	0.00	0.10	0.00	0.00	0.89	0.10	0.00
PWOPRSES0005530	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.01	0.00
PWOPRSES0005531	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005532	1.00	0.00	0.82	0.00	0.18	0.00	0.00	0.00	0.99	0.00
PWOPRSES0005534	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.00	0.00
PWOPRSES0005535	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005536	1.15	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005537	1.00	0.00	0.00	0.00	0.01	0.02	0.00	0.96	0.03	0.00
PWOPRSES0005539	1.00	0.05	0.00	0.00	0.01	0.01	0.00	0.93	0.00	0.00
PWOPRSES0005540	1.42	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005541	1.00	0.00	0.00	0.00	0.90	0.10	0.00	0.00	0.00	0.00
PWOPRSES0005710	1.00	0.69	0.13	0.00	0.16	0.01	0.00	0.00	0.93	0.00
PWOPRSES0005734	1.00	0.00	0.00	0.00	0.16	0.00	0.00	0.84	0.16	0.00
PWOPRSES0005735	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0005736	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0005739	1.00	0.00	0.83	0.00	0.01	0.16	0.00	0.00	1.00	0.00
PWOPRSES0005744	1.00	0.00	0.83	0.00	0.13	0.04	0.00	0.00	0.98	0.00
PWOPRSES0005766	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.00	0.00
PWOPRSES0005767	1.00	0.00	0.00	0.00	0.00	0.07	0.00	0.92	0.00	0.00
PWOPRSES0005768	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005769	1.00	0.00	0.81	0.00	0.18	0.01	0.00	0.00	0.99	0.00
PWOPRSES0005770	1.00	0.00	0.82	0.00	0.07	0.10	0.00	0.00	0.01	0.00
PWOPRSES0005771	1.48	0.00	0.00	0.00	0.05	0.04	0.00	0.91	0.02	0.00
PWOPRSES0006537	1.00	0.00	0.82	0.00	0.17	0.00	0.00	0.00	0.98	0.00
PWOPRSES0006538	1.00	0.95	0.01	0.00	0.04	0.00	0.00	0.00	0.91	0.00
PWOPRSES0006542	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0006547	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0006548	1.00	0.98	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PWOPRSES0006549	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0006550	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0006551	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0006552	1.00	0.00	0.00	0.00	0.06	0.09	0.00	0.85	0.00	0.00
PWOPRSES0006553	1.00	0.46	0.36	0.00	0.18	0.01	0.00	0.00	0.97	0.00
PWOPRSES0006554	1.00	0.00	0.00	0.00	0.01	0.01	0.00	0.97	0.00	0.00
PWOPRSES0006555	1.00	0.00	0.00	0.00	0.04	0.01	0.00	0.95	0.04	0.00
PWOPRSES0006576	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0006577	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
STMEasement	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.12	0.00
SWMPOND_OUT	1.00	0.00	0.81	0.00	0.17	0.01	0.00	0.00	0.95	0.00

****
Conduit Surcharge Summary
****

Conduit	Hours Full: Both Ends	Hours Full: Upstream	Hours Full: Dnstream	Hours Above Full Normal Flow	Hours Capacity Limited
10	0.86	0.99	0.86	0.16	0.01
11	0.01	0.01	0.41	0.01	0.01
16	0.01	0.01	1.12	0.01	0.01
17	0.01	0.01	0.99	0.01	0.01
18	0.86	0.86	1.29	0.82	0.86
20	0.01	0.01	1.97	0.01	0.01
21	1.97	1.97	2.43	1.48	0.01
22	2.40	2.43	2.84	2.25	0.01
23	0.01	2.86	0.01	3.90	0.01
32	0.01	0.01	0.01	0.01	0.01
35	0.01	0.01	1.97	0.01	0.01
41	0.01	0.01	2.68	0.01	0.01
42	0.01	1.03	0.01	1.13	0.01
47	0.01	1.29	0.01	1.27	0.01
7	0.01	0.01	1.12	0.01	0.01
70	0.01	2.68	0.01	4.22	0.01
8	0.01	0.01	0.01	0.71	0.01
9	0.01	0.01	1.29	0.01	0.01
PWOPRSES0001534	0.03	0.03	0.67	0.01	0.01
PWOPRSES0001535	0.01	0.01	0.03	0.01	0.01
PWOPRSES0001543	0.01	0.01	1.97	0.01	0.01
PWOPRSES0001575	0.98	0.98	1.18	0.01	0.01
PWOPRSES0001576	0.96	0.96	0.98	0.24	0.01
PWOPRSES0001577	0.80	0.80	0.98	0.01	0.01
PWOPRSES0001774	0.60	0.60	0.64	0.01	0.04
PWOPRSES0001840	0.01	0.01	0.45	0.01	0.01
PWOPRSES0001841	0.49	0.49	0.60	0.01	0.01
PWOPRSES0001842	0.01	0.01	0.60	0.01	0.01
PWOPRSES0005769	0.01	0.01	0.99	0.01	0.01
STMEasement	0.01	0.01	0.96	0.01	0.01
SWMPOND_OUT	0.01	0.01	0.99	0.01	0.01

Analysis begun on: Fri Jan 14 17:03:05 2022
Analysis ended on: Fri Jan 14 17:03:50 2022

```
Total elapsed time: 00:00:45
```

```
EPA STORM WATER MANAGEMENT MODEL - VERSION 5.1 (Build 5.1.013)
--------------------------------------------------------------

Climate Change Model of Scenario 4

WARNING 03: negative offset ignored for Link 1
WARNING 03: negative offset ignored for Link 1
WARNING 03: negative offset ignored for Link 10
WARNING 03: negative offset ignored for Link 10
WARNING 03: negative offset ignored for Link 11
WARNING 03: negative offset ignored for Link 11
WARNING 03: negative offset ignored for Link 12
WARNING 03: negative offset ignored for Link 12
WARNING 03: negative offset ignored for Link 13
WARNING 03: negative offset ignored for Link 13
WARNING 03: negative offset ignored for Link 14
WARNING 03: negative offset ignored for Link 14
WARNING 03: negative offset ignored for Link 15
WARNING 03: negative offset ignored for Link 15
WARNING 03: negative offset ignored for Link 17
WARNING 03: negative offset ignored for Link 17
WARNING 03: negative offset ignored for Link 18
WARNING 03: negative offset ignored for Link 18
WARNING 03: negative offset ignored for Link 19
WARNING 03: negative offset ignored for Link 19
WARNING 03: negative offset ignored for Link 2
WARNING 03: negative offset ignored for Link 2
WARNING 03: negative offset ignored for Link 20
WARNING 03: negative offset ignored for Link 20
WARNING 03: negative offset ignored for Link 21
WARNING 03: negative offset ignored for Link 21
WARNING 03: negative offset ignored for Link 22
WARNING 03: negative offset ignored for Link 22
WARNING 03: negative offset ignored for Link 23
WARNING 03: negative offset ignored for Link 23
WARNING 03: negative offset ignored for Link 24
WARNING 03: negative offset ignored for Link 24
WARNING 03: negative offset ignored for Link 25
WARNING 03: negative offset ignored for Link 25
WARNING 03: negative offset ignored for Link 26
WARNING 03: negative offset ignored for Link 26
WARNING 03: negative offset ignored for Link 27
WARNING 03: negative offset ignored for Link 27
WARNING 03: negative offset ignored for Link 28
WARNING 03: negative offset ignored for Link 28
WARNING 03: negative offset ignored for Link 29
WARNING 03: negative offset ignored for Link 29
WARNING 03: negative offset ignored for Link 3
WARNING 03: negative offset ignored for Link 3
WARNING 03: negative offset ignored for Link 30
WARNING 03: negative offset ignored for Link 30
WARNING 03: negative offset ignored for Link 31
WARNING 03: negative offset ignored for Link 31
WARNING 03: negative offset ignored for Link 32
WARNING 03: negative offset ignored for Link 32
WARNING 03: negative offset ignored for Link 33
```

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WARNING 03: negative offset ignored for Link 33
WARNING 03: negative offset ignored for Link 34
WARNING 03: negative offset ignored for Link 34
WARNING 03: negative offset ignored for Link 35
WARNING 03: negative offset ignored for Link 35
WARNING 03: negative offset ignored for Link 36
WARNING 03: negative offset ignored for Link 37
WARNING 03: negative offset ignored for Link 37
WARNING 03: negative offset ignored for Link 38
WARNING 03: negative offset ignored for Link 38
WARNING 03: negative offset ignored for Link 39
WARNING 03: negative offset ignored for Link 39
WARNING 03: negative offset ignored for Link 4
WARNING 03: negative offset ignored for Link 4
WARNING 03: negative offset ignored for Link 40
WARNING 03: negative offset ignored for Link 40
WARNING 03: negative offset ignored for Link 41
WARNING 03: negative offset ignored for Link 41
WARNING 03: negative offset ignored for Link 44
WARNING 03: negative offset ignored for Link 44
WARNING 03: negative offset ignored for Link 45
WARNING 03: negative offset ignored for Link 46
WARNING 03: negative offset ignored for Link 47
WARNING 03: negative offset ignored for Link 5
WARNING 03: negative offset ignored for Link 5
WARNING 03: negative offset ignored for Link 51
WARNING 03: negative offset ignored for Link 6
WARNING 03: negative offset ignored for Link 6
WARNING 03: negative offset ignored for Link 7
WARNING 03: negative offset ignored for Link 7
WARNING 03: negative offset ignored for Link 8
WARNING 03: negative offset ignored for Link 8
WARNING 03: negative offset ignored for Link 9
WARNING 03: negative offset ignored for Link 9
WARNING 03: negative offset ignored for Link PWOPRSES0001978
WARNING 03: negative offset ignored for Link OUT_A3.3FRST
WARNING 02: maximum depth increased for Node 11
WARNING 02: maximum depth increased for Node 13
WARNING 02: maximum depth increased for Node 22
WARNING 02: maximum depth increased for Node 24
WARNING 02: maximum depth increased for Node 36
WARNING 02: maximum depth increased for Node 8
WARNING 02: maximum depth increased for Node 9
WARNING 02: maximum depth increased for Node PWOPRMHS0001401
WARNING 02: maximum depth increased for Node PWOPRMHS0001402
WARNING 02: maximum depth increased for Node PWOPRMHS0001602
WARNING 02: maximum depth increased for Node PWOPRMHS0001611
WARNING 02: maximum depth increased for Node PWOPRMHS0001662
WARNING 02: maximum depth increased for Node PWOPRMHS0001670
WARNING 02: maximum depth increased for Node PWOPRMHS0001688
WARNING 02: maximum depth increased for Node PWOPRMHS0004129
WARNING 02: maximum depth increased for Node PWOPRMHS0004130
WARNING 02: maximum depth increased for Node PWOPRMHS0004141
WARNING 02: maximum depth increased for Node PWOPRMHS0005230
WARNING 02: maximum depth increased for Node PWOPRMHS0005930
WARNING 02: maximum depth increased for Node PWOPRMHS0005931
WARNING 02: maximum depth increased for Node PWOPRMHS0005945
```

```
WARNING 02: maximum depth increased for Node SWMPOND

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

****************
Analysis Options
****************
Flow Units ............... CMS
Process Models:
  Rainfall/Runoff ........ YES
  RDII ................... NO
  Snowmelt ............... NO
  Groundwater ............ NO
  Flow Routing ........... YES
  Ponding Allowed ........ NO
  Water Quality .......... NO
Infiltration Method ...... GREEN_AMPT
Flow Routing Method ...... DYNWAVE
Surcharge Method ......... EXTRAN
Starting Date ............ 09/01/2021 00:00:00
Ending Date .............. 09/04/2021 00:00:00
Antecedent Dry Days ...... 0.0
Report Time Step ......... 00:15:00
Wet Time Step ............ 00:15:00
Dry Time Step ............ 00:15:00
Routing Time Step ........ 5.00 sec
Variable Time Step ....... YES
Maximum Trials ........... 8
Number of Threads ........ 4
Head Tolerance ........... 0.001500 m


**************************        Volume         Depth
Runoff Quantity Continuity     hectare-m            mm
**************************     ---------       -------
Initial LID Storage ......         4.987         2.934
Total Precipitation ......       293.575       172.690
Outfall Runon ............      4467.266      2627.785
Evaporation Loss .........         2.445         1.438
Infiltration Loss ........       121.598        71.528
Surface Runoff ...........      4634.781      2726.322
Final Storage ............         8.934         5.255
Continuity Error (%) .....        -0.040


**************************        Volume        Volume
Flow Routing Continuity        hectare-m      10^6 ltr
**************************     ---------     ---------
Dry Weather Inflow .......         0.000         0.000
Wet Weather Inflow .......      4634.769     46348.171
Groundwater Inflow .......         0.000         0.000
RDII Inflow ..............         0.000         0.000
External Inflow ..........         0.000         0.000
```

```
External Outflow .........      4625.984     46260.327
Flooding Loss ............         8.728        87.276
Evaporation Loss .........         0.019         0.193
Exfiltration Loss ........         0.000         0.000
Initial Stored Volume ....         0.000         0.001
Final Stored Volume ......         0.014         0.140
Continuity Error (%) .....         0.001


*************************
Highest Continuity Errors
*************************
Node PWOPRMHS0001642 (2.29%)
Node PWOPRMHS0001611 (1.55%)
Node PWOPRMHS0001614 (-1.33%)
Node PWOPRMHS0001643 (-1.32%)


***************************
Time-Step Critical Elements
***************************
Link 65 (74.05%)
Link 67 (7.05%)
Link PWOPRSES0001824 (2.73%)


********************************
Highest Flow Instability Indexes
********************************
Link 67 (31)
Link 21 (25)
Link 44 (22)
Link 65 (7)
Link 23 (7)


*************************
Routing Time Step Summary
*************************
Minimum Time Step           :     0.94 sec
Average Time Step           :     1.75 sec
Maximum Time Step           :     5.00 sec
Percent in Steady State     :     0.00
Average Iterations per Step :     2.07
Percent Not Converging      :     0.08


***************************
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
-----------------------------------------------------------------------------------------------------------------------
A1                       172.69     899.40       1.01      89.15      53.51     931.51     985.02       82.53    10.28   0.919
```

A1.1	172.69	0.00	1.36	33.00	52.95	86.04	138.99	59.51	9.04	0.805
A1.1_FRST	172.69	0.00	1.52	57.94	50.04	74.15	106.28	3.87	1.11	0.615
A2	172.69	658.81	1.11	97.82	41.48	692.50	733.99	84.35	7.11	0.883
A2.1	172.69	0.00	0.94	55.31	34.16	83.07	117.23	15.12	2.60	0.679
A2.1_FRST	172.69	0.00	1.20	75.80	32.50	73.10	89.78	2.94	0.97	0.520
A2.2	172.69	0.00	1.20	39.22	58.07	74.87	132.94	11.22	1.76	0.770
A2.2_FRST	172.69	0.00	1.60	77.25	52.85	58.40	82.11	1.82	0.51	0.475
A3	172.69	1328.38	1.60	187.99	74.95	1237.52	1312.47	745.16	32.73	0.874
A3.1	172.69	0.00	1.25	37.22	37.59	97.39	134.97	8.70	1.36	0.782
A3.1_FRST	172.69	0.00	1.26	76.25	35.53	70.56	88.39	11.66	3.49	0.512
A3.2	172.69	0.00	1.23	38.21	61.49	72.39	133.88	43.27	6.74	0.775
A3.2_FRST	172.69	0.00	1.58	81.81	56.17	49.83	79.23	5.86	2.26	0.459
A3.3	172.69	0.00	1.28	37.21	39.29	95.57	134.85	94.69	14.68	0.781
A3.3_FRST	172.69	0.00	1.28	90.34	36.72	57.07	73.53	12.60	4.76	0.426
A4	172.69	8011.74	2.97	258.80	409.05	7515.84	7924.89	7965.91	203.34	0.968
A4.1	172.69	0.00	1.20	37.29	34.17	101.06	135.23	1.39	0.22	0.783
A4.1_FRST	172.69	0.00	1.17	79.60	32.44	69.74	85.76	4.74	1.89	0.497
A4.2	172.69	0.00	1.34	33.92	49.53	88.59	138.13	13.55	2.07	0.800
A4.2_FRST	172.69	0.00	1.47	68.63	46.22	69.53	94.04	15.19	4.67	0.545
A4.3	172.69	0.00	1.53	22.93	104.20	44.54	148.74	69.86	10.02	0.861
A4.3_FRST	172.69	0.00	2.23	83.20	88.78	26.29	67.64	5.49	2.93	0.392
A4.4_FRST	172.69	0.00	1.41	96.14	42.26	48.79	64.55	12.03	5.23	0.374
A4.5	172.69	0.00	1.34	33.89	49.53	88.60	138.13	150.29	22.95	0.800
A4.5_FRST	172.69	0.00	1.50	59.56	46.77	75.94	104.54	15.70	4.43	0.605
A4.6	172.69	0.00	1.33	41.97	88.83	41.16	129.99	193.65	30.34	0.753
A4.6_FRST	172.69	0.00	2.06	87.23	76.66	32.59	65.12	39.57	19.94	0.377
B1	172.69	1303.21	1.25	51.43	73.70	1357.24	1430.95	44.14	8.68	0.970
B1.1	172.69	0.00	1.23	37.67	34.17	100.53	134.70	1.34	0.21	0.780
B1.1_FRST	172.69	0.00	1.47	51.29	32.69	96.23	114.85	4.25	1.11	0.665
B2	172.69	17539.28	1.54	67.10	885.53	16781.74	17667.27	514.44	39.08	0.997
B2.1	172.69	0.00	1.14	42.26	18.79	111.40	130.19	8.44	1.36	0.754
B2.1_FRST	172.69	0.00	1.26	48.41	18.42	109.21	121.18	9.77	2.38	0.702
C1	172.69	17503.98	1.13	110.18	883.76	16702.41	17586.17	554.86	50.68	0.995
C1.1	172.69	0.00	1.57	22.96	104.23	44.47	148.69	183.35	26.31	0.861
C1.1_FRST	172.69	0.00	2.18	69.34	90.75	34.97	83.88	2.34	0.77	0.486
D1	172.69	2902.68	1.18	136.19	153.68	2789.70	2943.38	387.20	34.15	0.957
D1.1	172.69	0.00	1.44	38.76	104.23	28.89	133.12	159.50	24.36	0.771
D1.1_FRST	172.69	0.00	2.22	77.40	89.51	30.22	75.98	23.05	12.04	0.440
D2	172.69	0.00	0.92	89.05	8.54	74.51	83.05	14.59	2.02	0.481
D2.1	172.69	0.00	1.36	44.25	92.28	35.44	127.72	66.73	10.50	0.740
D2.1_FRST	172.69	0.00	2.10	82.79	79.86	33.31	69.84	13.29	6.76	0.404
D3	172.69	47264.62	2.33	208.24	2371.75	44868.65	47240.40	2651.10	76.45	0.996
D3.1	172.69	0.00	1.43	38.15	102.50	31.24	133.74	48.29	7.37	0.774
D4	172.69	25072.77	2.19	228.25	1262.19	23761.57	25023.76	880.82	26.49	0.991
D4.1	172.69	0.00	1.34	43.36	90.56	38.05	128.62	30.11	4.73	0.745
D4.1_FRST	172.69	0.00	2.05	82.04	78.88	34.11	73.21	9.99	5.24	0.424
E1	172.69	694619.06	3.88	371.12	34739.75	659701.76	694441.51	20333.85	311.26	0.999
E1.1	172.69	0.00	0.97	57.25	39.29	75.94	115.23	20.75	3.59	0.667
E1.1_FRST	172.69	0.00	1.30	84.97	36.70	62.62	78.87	25.91	9.03	0.457
E2	172.69	1317822.11	3.98	230.28	65899.88	1251878.00	1317777.88	10355.03	148.17	1.000
E2.1	172.69	0.00	1.22	38.63	32.46	101.17	133.62	12.39	1.95	0.774
E2.1_FRST	172.69	0.00	1.27	61.64	30.97	88.22	104.27	0.91	0.26	0.604
E3	172.69	0.00	0.70	102.29	8.54	61.72	70.26	9.85	1.90	0.407
E3.1	172.69	0.00	0.93	58.73	37.58	76.34	113.93	25.99	4.55	0.660
E3.1_FRST	172.69	0.00	1.18	77.58	35.74	68.12	87.97	11.49	4.26	0.509
HC01-01	172.69	0.00	1.02	52.24	49.03	71.28	120.30	7.48	1.26	0.697
HC01-02	172.69	0.00	0.97	54.39	42.37	75.90	118.27	2.68	0.46	0.685

HC01-03	172.69	0.00	0.97	54.52	42.37	75.75	118.12	1.42	0.24	0.684
HC01-04	172.69	0.00	0.89	59.92	33.14	79.67	112.81	2.81	0.50	0.653
HC01-05	172.69	0.00	0.97	54.33	42.37	75.97	118.34	2.96	0.50	0.685
HC01-06	172.69	0.00	0.97	54.52	42.37	75.75	118.12	1.56	0.27	0.684
HC01-07	172.69	0.00	0.99	55.14	42.36	74.97	117.33	0.82	0.14	0.679
HC01-08	172.69	0.00	0.97	54.44	42.37	75.85	118.21	0.61	0.10	0.685
HC01-09	172.69	0.00	0.99	54.76	42.36	75.40	117.76	0.78	0.13	0.682
HC01-10	172.69	0.00	0.97	54.53	42.37	75.75	118.11	1.35	0.23	0.684
HC01-11	172.69	0.00	0.99	54.74	42.37	75.42	117.79	1.64	0.28	0.682
HC01-12	172.69	0.00	0.99	49.71	42.37	80.51	122.88	3.81	0.63	0.712
HC02-01	172.69	0.00	1.16	44.95	63.72	63.61	127.33	0.47	0.08	0.737
HC02-02	172.69	0.00	1.36	33.53	86.10	52.33	138.43	3.00	0.45	0.802
HC02-03	172.69	0.00	1.24	39.25	73.79	59.11	132.90	0.25	0.04	0.770
HC02-04	172.69	0.00	1.02	49.76	49.88	72.95	122.83	0.50	0.08	0.711
HC02-05	172.69	0.00	0.85	60.92	25.28	86.68	111.97	3.31	0.59	0.648
HC02-06	172.69	0.00	0.86	60.84	25.97	85.98	111.95	2.00	0.36	0.648
HC02-07	172.69	0.00	0.83	63.90	21.87	86.98	108.85	0.85	0.15	0.630
HC02-08	172.69	0.00	0.79	65.03	19.82	88.08	107.89	1.36	0.25	0.625
HC02-09	172.69	0.00	0.84	63.50	23.23	85.97	109.21	0.95	0.17	0.632
HC02-10	172.69	0.00	0.82	64.70	21.18	86.89	108.07	1.02	0.19	0.626
HC02-11	172.69	0.00	0.84	62.95	23.23	86.60	109.83	1.64	0.30	0.636
HC02-12	172.69	0.00	0.82	65.61	21.18	85.86	107.04	2.30	0.42	0.620
HC02-13	172.69	0.00	0.81	65.53	19.82	87.42	107.24	0.90	0.17	0.621
HC02-14	172.69	0.00	0.79	64.88	20.50	87.43	107.93	0.99	0.18	0.625
HC02-15	172.69	0.00	0.81	62.89	22.57	87.49	110.05	1.76	0.32	0.637
HC02-16	172.69	0.00	0.71	83.59	23.92	65.57	89.49	0.46	0.09	0.518
HC02-17	172.69	0.00	0.85	57.90	22.55	92.31	114.86	2.71	0.47	0.665
HC02-18	172.69	0.00	0.69	83.43	23.92	65.74	89.66	3.43	0.71	0.519
HC02-19	172.69	0.00	0.74	86.52	24.60	61.53	86.13	1.31	0.26	0.499
HC02-20	172.69	0.00	1.11	45.51	60.14	66.81	126.95	0.56	0.09	0.735
HC02-21	172.69	0.00	0.85	62.53	24.60	85.60	110.20	3.87	0.70	0.638
HC02-22	172.69	0.00	0.85	62.53	24.60	85.60	110.20	3.27	0.59	0.638
HC02-23	172.69	0.00	1.23	39.35	73.11	59.78	132.89	0.53	0.08	0.770
HC02-24	172.69	0.00	1.44	26.49	99.77	45.54	145.31	0.10	0.01	0.841
HC02-25	172.69	0.00	1.26	36.52	78.41	57.25	135.67	1.53	0.24	0.786
HC02-26	172.69	0.00	1.38	29.63	93.62	48.69	142.31	0.48	0.07	0.824
HC02-27	172.69	0.00	0.75	78.93	30.75	63.28	94.03	0.71	0.14	0.545
HC02-28	172.69	0.00	0.77	79.16	30.75	63.06	93.81	0.53	0.11	0.543
HC02-29	172.69	0.00	1.11	57.23	68.32	46.84	115.16	0.61	0.10	0.667
HC02-30	172.69	0.00	0.57	78.27	2.05	92.63	94.68	1.40	0.28	0.548
HC02-31	172.69	0.00	0.73	81.77	25.97	65.32	91.28	2.21	0.45	0.529
HC02-32	172.69	0.00	0.72	82.64	24.60	65.82	90.42	1.94	0.40	0.524
HC02-33	172.69	0.00	0.73	82.82	25.97	64.11	90.07	0.75	0.15	0.522
HC02-34	172.69	0.00	0.89	70.10	44.42	58.23	102.65	0.31	0.06	0.594
HC02-35	172.69	0.00	0.58	76.36	2.73	94.00	96.73	0.97	0.19	0.560
HC02-36	172.69	0.00	0.56	92.25	9.57	71.29	80.85	0.36	0.08	0.468
HC02-37	172.69	0.00	0.56	93.19	8.88	71.22	80.10	0.81	0.18	0.464
HC02-38	172.69	0.00	0.84	63.56	23.23	85.91	109.15	3.39	0.61	0.632
HC02-39	172.69	0.00	0.86	67.75	19.81	84.93	104.75	0.92	0.17	0.607
HC03-01	172.69	0.00	1.12	44.62	54.67	73.06	127.73	2.86	0.46	0.740
HC03-02	172.69	0.00	0.84	60.56	25.97	86.39	112.35	0.90	0.16	0.651
HC03-03	172.69	0.00	0.88	57.56	32.12	83.20	115.32	0.15	0.03	0.668
HC03-04	172.69	0.00	0.90	58.08	32.12	82.59	114.71	1.18	0.21	0.664
HC03-05	172.69	0.00	1.14	43.79	62.87	65.75	128.62	0.42	0.07	0.745
HC03-06	172.69	0.00	0.82	62.31	23.58	87.05	110.63	5.71	1.03	0.641
HC03-07	172.69	0.00	0.86	60.81	25.97	86.02	111.99	2.03	0.36	0.648
HC03-08	172.69	0.00	0.71	82.75	26.48	63.81	90.29	3.94	0.81	0.523

HC03-09	172.69	0.00	0.83	76.14	39.80	56.90	96.70	1.88	0.36	0.560
HC03-10	172.69	0.00	0.66	86.57	20.50	66.08	86.58	1.46	0.31	0.501
HC03-11	172.69	0.00	0.73	82.08	28.19	62.77	90.95	2.28	0.46	0.527
HC03-12	172.69	0.00	0.71	85.47	23.92	63.49	87.41	1.03	0.21	0.506
HC03-13	172.69	0.00	0.78	78.16	32.12	62.69	94.80	0.36	0.07	0.549
HC03-14	172.69	0.00	1.39	35.61	99.75	36.45	136.20	0.18	0.03	0.789
HC03-15	172.69	0.00	0.70	84.22	23.24	65.63	88.86	0.55	0.11	0.515
HC03-16	172.69	0.00	0.82	76.09	36.22	60.59	96.81	0.30	0.06	0.561
HC03-17	172.69	0.00	1.14	43.75	62.86	65.80	128.66	0.15	0.02	0.745
HC03-18	172.69	0.00	1.52	22.98	109.33	39.39	148.71	0.15	0.02	0.861
HC03-19	172.69	0.00	0.74	67.39	14.35	91.33	105.68	8.33	1.55	0.612
HC03-20	172.69	0.00	0.69	73.20	4.10	95.66	99.76	1.50	0.29	0.578
HC04-01	172.69	0.00	0.92	55.92	30.75	85.88	116.63	4.19	0.72	0.675
HC04-02	172.69	0.00	0.69	85.24	23.75	64.11	87.85	0.58	0.12	0.509
HC04-03	172.69	0.00	0.72	84.52	25.46	63.06	88.51	1.06	0.22	0.513
HC04-04	172.69	0.00	0.93	56.23	30.75	85.50	116.25	6.14	1.06	0.673
HC04-05	172.69	0.00	0.74	80.44	30.07	62.49	92.56	0.57	0.12	0.536
HC04-06	172.69	0.00	0.77	81.46	30.07	61.42	91.48	0.98	0.20	0.530
HC04-07	172.69	0.00	1.08	58.17	65.59	48.68	114.28	0.10	0.02	0.662
HC04-08	172.69	0.00	0.73	83.62	26.48	62.92	89.40	0.30	0.06	0.518
HC04-09	172.69	0.00	0.77	81.14	30.07	61.75	91.82	0.49	0.10	0.532
HC04-10	172.69	0.00	0.77	81.52	30.07	61.29	91.35	0.57	0.11	0.529
HC04-11	172.69	0.00	0.73	82.98	28.53	61.52	90.05	0.82	0.17	0.521
HC04-12	172.69	0.00	0.70	85.70	22.55	64.82	87.37	1.92	0.40	0.506
HC04-13	172.69	0.00	0.73	82.20	25.97	64.88	90.84	0.27	0.06	0.526
HC04-14	172.69	0.00	0.87	63.96	23.92	84.70	108.61	3.03	0.54	0.629
HC04-15	172.69	0.00	0.84	62.79	23.92	86.04	109.96	4.30	0.78	0.637
HC04-16	172.69	0.00	0.86	60.98	25.97	85.81	111.78	0.51	0.09	0.647
HC04-17	172.69	0.00	0.88	59.82	30.07	82.89	112.96	2.55	0.45	0.654
HC04-18	172.69	0.00	0.94	57.87	36.04	78.64	114.68	0.30	0.05	0.664
HC04-19	172.69	0.00	0.79	64.78	20.50	87.57	108.07	1.40	0.26	0.626
HC04-20	172.69	0.00	0.79	64.48	20.50	87.97	108.47	0.61	0.11	0.628
HC04-21	172.69	0.00	0.86	59.82	29.38	83.65	113.03	0.17	0.03	0.655
HC04-22	172.69	0.00	0.89	58.60	32.80	81.37	114.18	0.26	0.05	0.661
HC04-23	172.69	0.00	0.87	59.92	30.07	82.88	112.95	0.63	0.11	0.654
HC04-24	172.69	0.00	0.82	61.70	24.60	86.63	111.23	0.14	0.03	0.644
HC04-25	172.69	0.00	0.86	57.44	23.23	92.11	115.34	0.90	0.16	0.668
HC04-26	172.69	0.00	0.72	89.79	21.86	60.99	82.85	0.61	0.12	0.480
HC04-27	172.69	0.00	0.78	65.61	18.45	88.82	107.27	0.39	0.07	0.621
HC04-28	172.69	0.00	0.73	82.12	25.97	64.95	90.92	0.66	0.14	0.527
HC04-29	172.69	0.00	0.86	57.63	23.23	91.90	115.13	4.17	0.73	0.667
HC04-30	172.69	0.00	0.86	57.23	23.92	91.61	115.53	2.24	0.39	0.669
HC04-31	172.69	0.00	0.92	69.11	47.83	55.77	103.60	0.50	0.09	0.600
HC04-32	172.69	0.00	0.73	82.40	25.97	64.57	90.54	0.31	0.06	0.524
HC04-33	172.69	0.00	0.71	84.43	23.24	65.42	88.66	1.00	0.21	0.513
HC04-34	172.69	0.00	0.59	93.92	9.57	69.78	79.35	1.23	0.28	0.459
HC04-35	172.69	0.00	0.71	84.78	23.23	65.05	88.28	0.43	0.09	0.511
HC04-36	172.69	0.00	1.10	43.40	55.52	73.47	128.99	3.78	0.60	0.747
HC05-01	172.69	0.00	0.81	58.79	20.50	93.60	114.10	6.83	1.20	0.661
HC05-02	172.69	0.00	0.82	58.77	21.18	92.90	114.08	3.68	0.65	0.661
HC05-03	172.69	0.00	1.65	16.48	129.84	25.05	154.89	0.17	0.02	0.897
HC05-04	172.69	0.00	0.65	87.95	19.13	66.08	85.22	0.42	0.09	0.493
HC05-05	172.69	0.00	0.75	82.62	25.62	64.60	90.23	0.83	0.17	0.522
HC05-06	172.69	0.00	0.75	80.94	28.70	63.37	92.07	0.39	0.08	0.533
HC05-07	172.69	0.00	0.70	85.23	22.55	65.31	87.86	0.64	0.13	0.509
HC05-08	172.69	0.00	0.71	84.80	23.23	65.03	88.26	1.94	0.40	0.511
HC05-09	172.69	0.00	0.72	87.56	22.55	62.66	85.21	0.23	0.05	0.493

HC05-10	172.69	0.00	0.74	79.18	30.07	63.69	93.76	0.33	0.07	0.543
HC05-11	172.69	0.00	0.56	93.39	8.88	71.05	79.93	2.53	0.57	0.463
HC06-01	172.69	0.00	0.86	60.92	25.97	85.89	111.85	0.36	0.06	0.648
HC06-02	172.69	0.00	0.88	62.13	25.28	85.19	110.48	0.72	0.13	0.640
HC06-03	172.69	0.00	0.71	79.03	0.00	93.62	93.62	1.39	0.27	0.542
HC06-04	172.69	0.00	0.66	76.55	0.68	95.63	96.32	1.07	0.21	0.558
HC06-05	172.69	0.00	0.80	64.97	18.45	89.43	107.88	0.38	0.07	0.625
HC06-06	172.69	0.00	0.80	63.28	21.87	87.77	109.64	1.72	0.31	0.635
HC06-07	172.69	0.00	0.80	58.49	19.14	95.31	114.45	0.46	0.08	0.663
HC06-08	172.69	0.00	0.82	61.84	24.60	86.48	111.08	4.61	0.83	0.643
HC06-09	172.69	0.00	0.81	62.71	22.21	88.06	110.27	2.88	0.52	0.639
HC06-10	172.69	0.00	0.80	63.12	21.87	87.96	109.83	2.64	0.48	0.636
HC06-11	172.69	0.00	0.91	53.76	30.07	88.91	118.97	0.26	0.04	0.689
HC06-12	172.69	0.00	1.00	49.00	42.37	81.21	123.58	0.25	0.04	0.716
HC06-13	172.69	0.00	1.28	43.27	87.47	41.26	128.73	0.36	0.06	0.745
HC06-14	172.69	0.00	0.89	67.64	39.29	65.70	104.99	1.90	0.35	0.608
HC06-15	172.69	0.00	1.76	11.42	136.65	23.10	159.75	0.19	0.03	0.925
HC06-16	172.69	0.00	1.54	24.78	114.44	32.42	146.86	0.41	0.06	0.850
HC06-17	172.69	0.00	0.87	69.70	37.58	65.35	102.93	1.59	0.30	0.596
HC06-18	172.69	0.00	1.35	39.30	94.63	37.96	132.59	3.53	0.54	0.768
HC06-19	172.69	0.00	1.73	11.39	136.68	23.15	159.83	0.05	0.01	0.926
HC06-20	172.69	0.00	1.75	11.41	136.65	23.10	159.75	0.34	0.05	0.925
HC06-21	172.69	0.00	1.63	26.92	114.59	30.18	144.76	1.84	0.27	0.838
HC06-22	172.69	0.00	1.74	11.40	136.67	23.13	159.80	0.10	0.01	0.925
HC06-23	172.69	0.00	1.63	23.36	119.63	28.60	148.23	2.22	0.32	0.858
HC06-24	172.69	0.00	1.74	11.41	136.66	23.11	159.77	0.19	0.03	0.925
HC06-25	172.69	0.00	0.91	53.69	30.07	88.98	119.05	3.99	0.68	0.689
HC06-26	172.69	0.00	0.89	73.01	43.73	56.01	99.74	2.63	0.50	0.578
HC06-27	172.69	0.00	1.66	16.51	129.83	25.06	154.89	0.25	0.03	0.897
HC06-28	172.69	0.00	1.81	11.53	136.80	23.05	159.86	0.32	0.04	0.926
HC06-29	172.69	0.00	0.79	63.32	13.67	95.78	109.45	1.36	0.25	0.634
HC06-30	172.69	0.00	1.32	33.11	81.99	56.91	138.91	0.46	0.07	0.804
HC06-31	172.69	0.00	0.55	75.58	2.73	94.95	97.68	1.77	0.35	0.566
HC06-32	172.69	0.00	0.58	95.37	8.88	68.85	77.74	1.05	0.24	0.450
HC07-01	172.69	0.00	0.78	82.77	29.38	60.60	89.98	2.72	0.55	0.521
HC07-02	172.69	0.00	0.78	80.17	32.12	60.63	92.75	1.07	0.21	0.537
HC07-03	172.69	0.00	0.73	81.88	25.97	65.20	91.17	0.34	0.07	0.528
HC07-04	172.69	0.00	0.68	86.87	19.82	66.42	86.24	0.29	0.06	0.499
HC07-05	172.69	0.00	0.76	86.67	25.96	60.00	85.97	0.25	0.05	0.498
HC07-06	172.69	0.00	0.74	86.02	23.92	62.84	86.76	1.79	0.37	0.502
HC07-07	172.69	0.00	0.71	84.98	23.92	64.15	88.06	0.33	0.07	0.510
HC07-08	172.69	0.00	1.43	41.98	98.49	31.46	129.95	0.25	0.04	0.753
HC07-09	172.69	0.00	0.78	63.03	30.07	79.79	109.86	0.27	0.05	0.636
HC08-01	172.69	0.00	0.91	55.36	29.38	87.89	117.27	0.81	0.14	0.679
HC08-02	172.69	0.00	0.95	54.11	32.11	86.30	118.41	2.75	0.47	0.686
HC08-03	172.69	0.00	0.73	83.09	25.97	63.82	89.78	1.80	0.37	0.520
HC08-04	172.69	0.00	0.86	60.79	19.82	91.99	111.81	0.77	0.14	0.647
HC08-05	172.69	0.00	0.88	55.28	25.97	91.44	117.41	0.76	0.13	0.680
HC08-06	172.69	0.00	0.86	57.59	23.92	91.18	115.10	1.36	0.24	0.667
HC08-07	172.69	0.00	0.86	57.46	23.92	91.33	115.25	0.63	0.11	0.667
HC08-08	172.69	0.00	1.48	25.28	98.39	48.08	146.46	0.60	0.09	0.848
HC08-09	172.69	0.00	0.93	53.61	30.07	88.85	118.91	2.12	0.36	0.689
HC08-10	172.69	0.00	0.68	66.51	2.73	103.90	106.63	1.41	0.26	0.617
HC09-01	172.69	0.00	0.81	81.41	34.16	57.13	91.30	0.87	0.17	0.529
HC09-02	172.69	0.00	0.69	86.33	23.92	62.84	86.75	0.89	0.19	0.502
HC09-03	172.69	0.00	0.73	84.43	25.97	62.52	88.49	0.86	0.18	0.512
HC09-04	172.69	0.00	0.67	88.26	19.13	65.74	84.87	2.16	0.46	0.491

HC09-05	172.69	0.00	0.69	86.61	21.18	65.31	86.49	2.25	0.47	0.501
HC09-06	172.69	0.00	0.68	86.92	20.50	65.69	86.19	1.06	0.22	0.499
HC09-07	172.69	0.00	0.62	90.19	13.67	69.36	83.03	0.40	0.09	0.481
HC10-01	172.69	0.00	0.66	87.56	21.01	64.56	85.57	3.82	0.81	0.496
HC10-02	172.69	0.00	0.93	69.17	48.34	55.11	103.45	2.62	0.48	0.599
HC10-03	172.69	0.00	0.91	72.24	45.95	54.38	100.33	1.87	0.35	0.581
HC10-04	172.69	0.00	0.71	83.19	26.48	63.38	89.86	1.65	0.34	0.520
HC10-05	172.69	0.00	0.72	86.68	24.26	61.92	86.17	2.08	0.43	0.499
HC10-06	172.69	0.00	0.69	87.29	21.18	64.50	85.69	1.14	0.24	0.496
HC10-07	172.69	0.00	0.75	82.45	28.19	62.36	90.55	1.55	0.32	0.524
HC10-08	172.69	0.00	0.70	83.51	25.46	64.06	89.52	1.07	0.22	0.518
HC10-09	172.69	0.00	0.69	87.33	20.84	64.90	85.75	1.19	0.25	0.497
HC10-10	172.69	0.00	0.70	83.97	25.45	63.65	89.10	0.25	0.05	0.516
HC10-11	172.69	0.00	0.77	78.13	33.32	61.44	94.76	0.26	0.05	0.549
HC10-12	172.69	0.00	0.57	75.36	4.10	93.74	97.84	0.88	0.17	0.567
HC10-13	172.69	0.00	0.74	83.78	27.33	61.76	89.09	0.53	0.11	0.516
HC10-14	172.69	0.00	0.72	82.46	27.85	62.73	90.57	0.42	0.08	0.524
HC10-15	172.69	0.00	0.73	81.87	28.19	62.97	91.15	0.36	0.07	0.528

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LID Performance Summary
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Subcatchment	LID Control	Total Inflow mm	Evap Loss mm	Infil Loss mm	Surface Outflow mm	Drain Outflow mm	Initial Storage mm	Final Storage mm	Continuity Error %
A1.1_FRST	NA_LID	2431.89	6.94	353.62	1933.46	0.00	175.36	314.15	-0.04
A2.1_FRST	NA_LID	2336.74	6.91	351.89	1839.85	0.00	175.36	314.11	-0.03
A2.2_FRST	NA_LID	1407.89	6.86	351.37	911.64	0.00	175.36	314.12	-0.05
A3.1_FRST	NA_LID	2115.84	6.91	351.80	1619.09	0.00	175.36	314.12	-0.03
A3.2_FRST	NA_LID	1398.37	6.83	351.53	916.03	0.00	175.36	314.14	-0.94
A3.3_FRST	NA_LID	1607.33	6.83	349.09	1124.74	0.00	175.36	314.02	-0.67
A4.1_FRST	NA_LID	2189.16	6.91	351.63	1692.51	0.00	175.36	314.10	-0.03
A4.2_FRST	NA_LID	1903.63	6.91	352.42	1406.29	0.00	175.36	314.12	-0.04
A4.3_FRST	NA_LID	950.34	6.83	350.47	457.08	0.00	175.36	314.15	-0.25
A4.4_FRST	NA_LID	1260.56	6.83	346.88	771.25	0.00	175.36	313.88	-0.20
A4.5_FRST	NA_LID	2367.27	6.94	352.34	1869.62	0.00	175.36	314.05	-0.01
A4.6_FRST	NA_LID	970.52	6.86	350.23	475.58	0.00	175.36	314.15	-0.08
B1.1_FRST	NA_LID	3155.63	6.94	353.11	2657.52	0.00	175.36	314.11	-0.02
B2.1_FRST	NA_LID	6604.48	6.96	352.99	6106.41	0.00	175.36	314.02	-0.01
C1.1_FRST	NA_LID	1146.56	6.86	352.22	649.70	0.00	175.36	314.17	-0.08
D1.1_FRST	NA_LID	1021.24	6.83	351.54	538.48	0.00	175.36	314.17	-1.21
D2.1_FRST	NA_LID	1014.10	6.83	350.71	519.27	0.00	175.36	314.17	-0.13
D4.1_FRST	NA_LID	1048.94	6.83	350.94	567.76	0.00	175.36	314.17	-1.26
E1.1_FRST	NA_LID	1683.52	6.83	351.24	1199.66	0.00	175.36	314.13	-0.70
E2.1_FRST	NA_LID	2769.82	6.94	352.68	2272.08	0.00	175.36	314.10	-0.02
E3.1_FRST	NA_LID	2292.75	6.91	352.06	1795.57	0.00	175.36	314.09	-0.02

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Node Depth Summary
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	Average	Maximum	Maximum	Time of Max	Reported

I.09 PCSWMM Output for the 100-Year AES Storm for Scenario 9

Node	Type	Depth Meters	Depth Meters	HGL Meters	Occurrence days	hr:min	Max Depth Meters
1	JUNCTION	0.06	0.93	333.57	0	05:15	0.93
11	JUNCTION	0.59	1.31	317.92	0	09:13	1.31
12	JUNCTION	0.62	1.42	316.92	0	05:18	1.41
13	JUNCTION	0.93	1.83	316.33	0	05:18	1.82
14	JUNCTION	0.07	0.67	331.77	0	05:15	0.67
15	JUNCTION	1.16	1.97	315.92	0	13:20	1.91
17	JUNCTION	0.67	1.01	313.01	0	21:08	1.01
18	JUNCTION	0.12	1.55	324.05	0	05:16	1.53
19	JUNCTION	0.05	0.61	324.11	0	05:20	0.60
2	JUNCTION	0.15	2.40	326.40	0	05:15	2.40
20	JUNCTION	0.10	0.76	330.86	0	05:16	0.76
21	JUNCTION	0.34	0.96	322.06	0	05:15	0.96
22	JUNCTION	0.16	1.70	323.20	0	05:15	1.70
24	JUNCTION	0.34	2.70	323.20	0	05:16	2.70
25	JUNCTION	0.19	2.10	323.20	0	05:15	2.10
26	JUNCTION	0.00	0.00	327.93	0	00:00	0.00
27	JUNCTION	0.09	1.41	327.91	0	05:14	1.41
28	JUNCTION	0.26	1.14	327.24	0	05:15	1.14
29	JUNCTION	0.11	0.76	324.65	0	06:13	0.76
3	JUNCTION	0.11	1.19	331.76	0	05:15	1.19
30	JUNCTION	0.28	0.75	321.25	0	05:21	0.75
31	JUNCTION	0.25	0.67	320.82	0	05:21	0.66
32	JUNCTION	0.28	0.76	319.76	0	05:22	0.75
34	JUNCTION	0.29	0.77	318.64	0	05:19	0.77
35	JUNCTION	0.30	0.79	318.29	0	05:20	0.78
36	JUNCTION	0.27	0.85	316.35	0	05:16	0.85
37	JUNCTION	0.06	0.76	324.86	0	05:16	0.75
39	JUNCTION	0.52	1.40	322.70	0	09:38	1.40
4	JUNCTION	0.01	0.19	325.19	0	05:15	0.19
40	JUNCTION	0.21	1.17	320.27	0	05:15	1.17
42	JUNCTION	0.15	0.99	323.09	0	05:27	0.99
48	JUNCTION	0.16	1.18	325.78	0	05:15	1.18
49	JUNCTION	0.44	1.29	322.89	0	09:39	1.29
5	JUNCTION	0.12	0.80	330.30	0	07:17	0.80
50	JUNCTION	0.35	0.89	318.99	0	06:40	0.89
53	JUNCTION	1.12	1.81	315.91	0	15:09	1.81
54	JUNCTION	0.94	1.44	315.36	0	19:50	1.43
56	JUNCTION	1.35	1.93	303.03	0	21:10	1.93
6	JUNCTION	0.13	1.14	330.14	0	05:15	1.14
7	JUNCTION	0.71	1.67	319.77	0	08:15	1.67
8	JUNCTION	0.42	3.39	324.35	0	05:14	3.38
9	JUNCTION	0.35	2.77	323.18	0	05:15	2.76
MHEasement1	JUNCTION	0.02	0.37	319.44	0	05:15	0.37
MHEasement2	JUNCTION	0.06	0.61	319.31	0	05:15	0.61
MHSchool	JUNCTION	0.04	0.78	329.33	0	05:15	0.78
MHSWM4	JUNCTION	0.06	1.11	320.36	0	05:14	1.11
PWOPRMHS0001369	JUNCTION	0.04	0.56	319.95	0	05:15	0.56
PWOPRMHS0001370	JUNCTION	0.02	0.32	319.59	0	05:15	0.32
PWOPRMHS0001371	JUNCTION	0.01	0.17	319.99	0	05:15	0.17
PWOPRMHS0001372	JUNCTION	0.00	0.00	320.15	0	00:00	0.00
PWOPRMHS0001373	JUNCTION	0.01	0.19	320.21	0	05:15	0.19
PWOPRMHS0001374	JUNCTION	0.02	0.29	319.98	0	05:15	0.29
PWOPRMHS0001375	JUNCTION	0.02	0.31	319.88	0	05:15	0.31
PWOPRMHS0001386	JUNCTION	0.10	0.69	319.30	0	05:15	0.69

PWOPRMHS0001387	JUNCTION	0.05	0.83	319.58	0	05:15	0.83
PWOPRMHS0001388	JUNCTION	0.04	0.67	319.60	0	05:15	0.67
PWOPRMHS0001389	JUNCTION	0.03	0.57	319.70	0	05:15	0.57
PWOPRMHS0001390	JUNCTION	0.01	0.21	317.70	0	05:15	0.21
PWOPRMHS0001391	JUNCTION	0.02	0.27	317.54	0	05:15	0.27
PWOPRMHS0001392	JUNCTION	0.01	0.15	318.33	0	05:15	0.15
PWOPRMHS0001393	JUNCTION	0.03	0.50	320.69	0	05:15	0.50
PWOPRMHS0001394	JUNCTION	0.02	0.30	317.16	0	05:15	0.30
PWOPRMHS0001395	JUNCTION	0.02	0.31	317.10	0	05:15	0.31
PWOPRMHS0001398	JUNCTION	0.02	0.32	317.59	0	05:15	0.32
PWOPRMHS0001399	JUNCTION	0.02	0.30	317.45	0	05:15	0.30
PWOPRMHS0001400	JUNCTION	0.02	0.32	317.31	0	05:15	0.32
PWOPRMHS0001401	JUNCTION	0.01	0.25	316.92	0	05:15	0.25
PWOPRMHS0001402	JUNCTION	0.02	0.37	316.87	0	05:15	0.37
PWOPRMHS0001403	JUNCTION	0.03	0.51	322.21	0	05:15	0.51
PWOPRMHS0001404	JUNCTION	0.02	0.43	320.97	0	05:15	0.43
PWOPRMHS0001408	JUNCTION	0.02	0.41	321.24	0	05:15	0.41
PWOPRMHS0001409	JUNCTION	0.01	0.17	327.98	0	05:15	0.17
PWOPRMHS0001410	JUNCTION	0.05	0.95	327.42	0	05:15	0.95
PWOPRMHS0001411	JUNCTION	0.02	0.27	327.74	0	05:15	0.27
PWOPRMHS0001412	JUNCTION	0.01	0.18	331.87	0	05:15	0.18
PWOPRMHS0001413	JUNCTION	0.03	0.36	332.10	0	05:15	0.36
PWOPRMHS0001415	JUNCTION	0.03	0.56	320.24	0	05:15	0.56
PWOPRMHS0001416	JUNCTION	0.07	1.38	320.37	0	05:15	1.37
PWOPRMHS0001418	JUNCTION	0.08	1.55	320.28	0	05:14	1.54
PWOPRMHS0001419	JUNCTION	0.01	0.24	320.23	0	05:15	0.24
PWOPRMHS0001420	JUNCTION	0.01	0.21	320.71	0	05:15	0.21
PWOPRMHS0001421	JUNCTION	0.01	0.19	321.13	0	05:15	0.19
PWOPRMHS0001422	JUNCTION	0.02	0.31	320.59	0	05:15	0.31
PWOPRMHS0001423	JUNCTION	0.01	0.27	320.70	0	05:15	0.27
PWOPRMHS0001424	JUNCTION	0.01	0.23	321.19	0	05:15	0.23
PWOPRMHS0001428	JUNCTION	0.00	0.00	323.21	0	00:00	0.00
PWOPRMHS0001429	JUNCTION	0.01	0.19	321.54	0	05:15	0.19
PWOPRMHS0001430	JUNCTION	0.00	0.00	321.23	0	00:00	0.00
PWOPRMHS0001431	JUNCTION	0.00	0.00	323.01	0	00:00	0.00
PWOPRMHS0001433	JUNCTION	0.01	0.70	320.48	0	05:15	0.37
PWOPRMHS0001435	JUNCTION	0.01	0.11	319.75	0	05:15	0.11
PWOPRMHS0001436	JUNCTION	0.09	1.74	320.09	0	05:15	1.74
PWOPRMHS0001437	JUNCTION	0.03	0.71	320.09	0	05:15	0.71
PWOPRMHS0001438	JUNCTION	0.08	1.47	319.67	0	05:15	1.47
PWOPRMHS0001467	JUNCTION	0.02	0.31	321.23	0	05:15	0.31
PWOPRMHS0001597	JUNCTION	0.00	0.25	325.03	0	05:15	0.25
PWOPRMHS0001598	JUNCTION	0.03	0.39	325.88	0	05:15	0.39
PWOPRMHS0001600	JUNCTION	0.02	0.37	325.03	0	05:15	0.37
PWOPRMHS0001601	JUNCTION	0.02	0.24	326.39	0	05:15	0.24
PWOPRMHS0001602	JUNCTION	0.02	0.25	326.23	0	05:15	0.25
PWOPRMHS0001603	JUNCTION	0.04	0.81	325.04	0	05:15	0.81
PWOPRMHS0001604	JUNCTION	0.04	1.08	325.03	0	05:15	1.08
PWOPRMHS0001605	JUNCTION	0.03	0.69	325.03	0	05:15	0.69
PWOPRMHS0001606	JUNCTION	0.08	1.45	325.02	0	05:15	1.45
PWOPRMHS0001608	JUNCTION	0.07	1.27	326.94	0	05:14	1.27
PWOPRMHS0001610	JUNCTION	0.03	0.42	325.86	0	05:14	0.42
PWOPRMHS0001611	JUNCTION	0.06	1.54	324.41	0	05:02	1.27
PWOPRMHS0001614	JUNCTION	0.06	1.26	324.17	0	05:16	1.14
PWOPRMHS0001622	JUNCTION	0.01	0.10	332.83	0	05:15	0.10
PWOPRMHS0001624	JUNCTION	0.02	0.28	331.20	0	05:15	0.28
PWOPRMHS0001625	JUNCTION	0.02	0.31	330.92	0	05:15	0.31

PWOPRMHS0001626	JUNCTION	0.25	0.46	331.46	0	05:15	0.46
PWOPRMHS0001634	JUNCTION	0.05	0.87	327.08	0	05:15	0.87
PWOPRMHS0001642	JUNCTION	0.03	1.33	324.60	0	05:16	0.92
PWOPRMHS0001643	JUNCTION	0.02	0.68	324.06	0	05:16	0.60
PWOPRMHS0001649	JUNCTION	0.02	0.29	329.50	0	05:15	0.29
PWOPRMHS0001650	JUNCTION	0.02	0.29	329.86	0	05:15	0.29
PWOPRMHS0001651	JUNCTION	0.02	0.25	330.53	0	05:15	0.25
PWOPRMHS0001652	JUNCTION	0.02	0.33	327.22	0	05:15	0.33
PWOPRMHS0001653	JUNCTION	0.02	0.41	325.65	0	05:15	0.41
PWOPRMHS0001654	JUNCTION	0.03	0.37	325.28	0	05:15	0.37
PWOPRMHS0001655	JUNCTION	0.01	0.12	330.12	0	05:15	0.12
PWOPRMHS0001657	JUNCTION	0.03	0.73	325.31	0	05:15	0.73
PWOPRMHS0001658	JUNCTION	0.02	0.41	325.33	0	05:15	0.41
PWOPRMHS0001659	JUNCTION	0.02	0.37	325.68	0	05:15	0.37
PWOPRMHS0001660	JUNCTION	0.04	0.91	325.01	0	05:15	0.91
PWOPRMHS0001661B	JUNCTION	0.05	0.99	325.30	0	05:15	0.99
PWOPRMHS0001662	JUNCTION	0.05	0.76	324.71	0	05:15	0.76
PWOPRMHS0001663	JUNCTION	0.07	1.22	325.28	0	05:15	1.22
PWOPRMHS0001664	JUNCTION	0.02	0.31	326.66	0	05:15	0.31
PWOPRMHS0001667	JUNCTION	0.09	1.67	324.82	0	05:15	1.67
PWOPRMHS0001670	JUNCTION	0.05	0.77	323.69	0	05:15	0.77
PWOPRMHS0001674	JUNCTION	0.06	0.94	326.82	0	05:15	0.94
PWOPRMHS0001676	JUNCTION	0.04	0.69	327.02	0	05:15	0.69
PWOPRMHS0001677	JUNCTION	0.03	0.58	327.17	0	05:15	0.58
PWOPRMHS0001678	JUNCTION	0.01	0.22	327.23	0	05:15	0.22
PWOPRMHS0001679	JUNCTION	0.02	0.42	336.31	0	05:15	0.42
PWOPRMHS0001680	JUNCTION	0.03	0.55	335.61	0	05:15	0.55
PWOPRMHS0001682	JUNCTION	0.03	0.51	328.61	0	05:15	0.51
PWOPRMHS0001686	JUNCTION	0.03	0.66	329.21	0	05:15	0.66
PWOPRMHS0001687	JUNCTION	0.07	1.25	327.65	0	05:15	1.25
PWOPRMHS0001688	JUNCTION	0.07	1.39	327.49	0	05:15	1.39
PWOPRMHS0001689	JUNCTION	0.07	1.29	327.90	0	05:15	1.29
PWOPRMHS0001690	JUNCTION	0.07	1.32	328.06	0	05:15	1.32
PWOPRMHS0001691	JUNCTION	0.06	1.20	328.19	0	05:15	1.20
PWOPRMHS0001692	JUNCTION	0.05	1.01	328.58	0	05:15	1.01
PWOPRMHS0001695	JUNCTION	0.03	0.91	323.16	0	05:12	0.91
PWOPRMHS0001697	JUNCTION	0.02	0.32	324.23	0	05:15	0.32
PWOPRMHS0001705	JUNCTION	0.01	0.16	328.69	0	05:15	0.16
PWOPRMHS0001706	JUNCTION	0.02	0.37	327.51	0	05:15	0.37
PWOPRMHS0001713	JUNCTION	0.04	0.66	326.17	0	05:15	0.66
PWOPRMHS0001729	JUNCTION	0.03	0.53	329.61	0	05:15	0.53
PWOPRMHS0001732	JUNCTION	0.03	0.54	329.52	0	05:15	0.54
PWOPRMHS0001733	JUNCTION	0.01	0.18	324.23	0	05:01	0.18
PWOPRMHS0001736	JUNCTION	0.03	0.65	324.05	0	05:01	0.60
PWOPRMHS0001739	JUNCTION	0.03	0.55	329.44	0	05:15	0.55
PWOPRMHS0001740	JUNCTION	0.03	0.61	329.33	0	05:15	0.61
PWOPRMHS0001741	JUNCTION	0.01	0.14	329.62	0	05:15	0.14
PWOPRMHS0001743	JUNCTION	0.06	1.12	328.41	0	05:15	1.12
PWOPRMHS0001744	JUNCTION	0.06	1.09	328.82	0	05:15	1.09
PWOPRMHS0001745	JUNCTION	0.06	1.07	329.13	0	05:15	1.07
PWOPRMHS0001746	JUNCTION	0.06	1.08	329.01	0	05:15	1.08
PWOPRMHS0001761	JUNCTION	0.00	0.00	329.15	0	00:00	0.00
PWOPRMHS0001764	JUNCTION	0.04	0.57	328.03	0	05:15	0.57
PWOPRMHS0001765	JUNCTION	0.02	0.37	328.41	0	05:15	0.37
PWOPRMHS0001766	JUNCTION	0.00	0.09	328.41	0	05:15	0.09
PWOPRMHS0001767	JUNCTION	0.03	0.57	327.82	0	05:15	0.57
PWOPRMHS0001768	JUNCTION	0.01	0.25	328.10	0	05:15	0.25

PWOPRMHS0001788	JUNCTION	0.04	0.80	323.74	0	05:15	0.80
PWOPRMHS0001791	JUNCTION	0.06	1.09	326.68	0	05:15	1.09
PWOPRMHS0001792	JUNCTION	0.05	0.92	326.16	0	05:15	0.92
PWOPRMHS0001796	JUNCTION	0.00	0.00	326.65	0	00:00	0.00
PWOPRMHS0001797	JUNCTION	0.02	0.25	326.65	0	05:15	0.25
PWOPRMHS0001798	JUNCTION	0.01	0.26	326.32	0	05:15	0.26
PWOPRMHS0001804	JUNCTION	0.00	0.08	332.06	0	05:15	0.08
PWOPRMHS0001836	JUNCTION	0.05	0.78	325.34	0	05:15	0.78
PWOPRMHS0001855	JUNCTION	0.02	0.34	326.55	0	05:15	0.34
PWOPRMHS0001856	JUNCTION	0.03	0.60	328.33	0	05:15	0.60
PWOPRMHS0001857	JUNCTION	0.02	0.34	322.77	0	05:15	0.34
PWOPRMHS0001858	JUNCTION	0.03	0.45	330.38	0	05:15	0.45
PWOPRMHS0001867	JUNCTION	0.01	0.15	332.09	0	05:15	0.15
PWOPRMHS0001874	JUNCTION	0.01	0.14	330.01	0	05:15	0.14
PWOPRMHS0001878	JUNCTION	0.03	0.77	324.05	0	05:00	0.73
PWOPRMHS0001879	JUNCTION	0.04	1.53	324.57	0	05:15	0.97
PWOPRMHS0001881	JUNCTION	0.02	0.44	324.01	0	05:10	0.40
PWOPRMHS0001889	JUNCTION	0.04	0.80	325.43	0	05:15	0.80
PWOPRMHS0001890	JUNCTION	0.04	0.76	325.28	0	05:15	0.76
PWOPRMHS0001891	JUNCTION	0.01	0.15	325.25	0	05:15	0.15
PWOPRMHS0001894	JUNCTION	0.04	0.84	325.07	0	05:15	0.84
PWOPRMHS0001903	JUNCTION	0.01	0.23	332.95	0	05:15	0.23
PWOPRMHS0001904	JUNCTION	0.02	0.39	330.83	0	05:15	0.39
PWOPRMHS0001906	JUNCTION	0.02	0.46	319.26	0	05:15	0.46
PWOPRMHS0001907	JUNCTION	0.02	0.48	319.31	0	05:15	0.48
PWOPRMHS0001908	JUNCTION	0.01	0.23	319.78	0	05:15	0.23
PWOPRMHS0001911	JUNCTION	0.02	0.47	318.96	0	05:15	0.47
PWOPRMHS0001912	JUNCTION	0.12	1.12	318.63	0	05:15	1.12
PWOPRMHS0001914	JUNCTION	0.01	0.23	332.06	0	05:15	0.23
PWOPRMHS0001915	JUNCTION	0.02	0.38	329.57	0	05:15	0.38
PWOPRMHS0001916	JUNCTION	0.03	0.47	328.06	0	05:15	0.47
PWOPRMHS0001917	JUNCTION	0.02	0.37	319.61	0	05:15	0.37
PWOPRMHS0001918	JUNCTION	0.09	1.49	319.30	0	05:15	1.49
PWOPRMHS0001919	JUNCTION	0.02	0.40	328.20	0	05:15	0.40
PWOPRMHS0001925	JUNCTION	0.03	0.46	323.79	0	05:15	0.46
PWOPRMHS0001926	JUNCTION	0.03	0.57	323.26	0	05:14	0.57
PWOPRMHS0001927	JUNCTION	0.01	0.22	323.73	0	05:15	0.22
PWOPRMHS0001928	JUNCTION	0.06	1.00	323.20	0	05:13	1.00
PWOPRMHS0001929	JUNCTION	0.02	0.34	324.19	0	05:15	0.34
PWOPRMHS0001930	JUNCTION	0.03	0.51	323.58	0	05:15	0.51
PWOPRMHS0001931	JUNCTION	0.02	0.28	325.27	0	05:15	0.28
PWOPRMHS0001932	JUNCTION	0.03	0.40	325.71	0	05:15	0.40
PWOPRMHS0001933	JUNCTION	0.03	0.39	326.05	0	05:15	0.39
PWOPRMHS0001935	JUNCTION	0.02	0.34	326.37	0	05:15	0.34
PWOPRMHS0001937	JUNCTION	0.02	0.32	324.60	0	05:15	0.32
PWOPRMHS0001939	JUNCTION	0.01	0.15	327.66	0	05:15	0.15
PWOPRMHS0001941	JUNCTION	0.00	0.00	326.79	0	00:00	0.00
PWOPRMHS0001943	JUNCTION	0.02	0.33	326.75	0	05:15	0.33
PWOPRMHS0001944	JUNCTION	0.04	0.63	323.27	0	05:14	0.63
PWOPRMHS0001945	JUNCTION	0.00	0.00	323.32	0	00:00	0.00
PWOPRMHS0001947	JUNCTION	0.01	0.14	324.16	0	05:15	0.14
PWOPRMHS0002041	JUNCTION	0.02	0.38	329.45	0	05:15	0.38
PWOPRMHS0002042	JUNCTION	0.02	0.39	329.95	0	05:15	0.39
PWOPRMHS0002046	JUNCTION	0.01	0.09	330.81	0	05:15	0.09
PWOPRMHS0002050	JUNCTION	0.02	0.33	329.30	0	05:15	0.33
PWOPRMHS0002051	JUNCTION	0.05	1.00	329.27	0	05:15	1.00
PWOPRMHS0002080	JUNCTION	0.01	0.26	325.49	0	05:15	0.26

PWOPRMHS0002082	JUNCTION	0.02	0.28	326.99	0	05:15	0.28
PWOPRMHS0002083	JUNCTION	0.02	0.42	325.74	0	05:15	0.42
PWOPRMHS0002084	JUNCTION	0.03	0.65	325.62	0	05:15	0.65
PWOPRMHS0002085	JUNCTION	0.01	0.15	329.54	0	05:15	0.15
PWOPRMHS0002095	JUNCTION	0.01	0.18	336.22	0	05:15	0.18
PWOPRMHS0003136	JUNCTION	0.04	0.74	329.63	0	05:15	0.74
PWOPRMHS0003137	JUNCTION	0.03	0.58	330.08	0	05:15	0.58
PWOPRMHS0003140	JUNCTION	0.00	0.00	327.35	0	00:00	0.00
PWOPRMHS0003146	JUNCTION	0.05	0.76	335.36	0	05:15	0.76
PWOPRMHS0003147	JUNCTION	0.02	0.43	334.22	0	05:15	0.43
PWOPRMHS0003148	JUNCTION	0.03	0.62	332.51	0	05:15	0.62
PWOPRMHS0003149	JUNCTION	0.03	0.48	331.34	0	05:15	0.48
PWOPRMHS0003153	JUNCTION	0.02	0.39	336.55	0	05:15	0.39
PWOPRMHS0003160	JUNCTION	0.01	0.21	335.71	0	05:15	0.21
PWOPRMHS0004129	JUNCTION	0.02	0.34	329.41	0	05:15	0.34
PWOPRMHS0004130	JUNCTION	0.03	0.49	329.32	0	05:15	0.49
PWOPRMHS0004131	JUNCTION	0.02	0.41	328.98	0	05:15	0.41
PWOPRMHS0004132	JUNCTION	0.03	0.56	328.69	0	05:15	0.56
PWOPRMHS0004133	JUNCTION	0.02	0.46	329.25	0	05:15	0.46
PWOPRMHS0004134	JUNCTION	0.01	0.25	332.19	0	05:15	0.25
PWOPRMHS0004135	JUNCTION	0.02	0.37	332.80	0	05:15	0.37
PWOPRMHS0004137	JUNCTION	0.01	0.24	334.62	0	05:15	0.24
PWOPRMHS0004141	JUNCTION	0.04	0.76	328.14	0	05:15	0.76
PWOPRMHS0004142	JUNCTION	0.04	0.64	327.68	0	05:15	0.64
PWOPRMHS0004143	JUNCTION	0.01	0.35	328.13	0	05:15	0.35
PWOPRMHS0004146	JUNCTION	0.00	0.00	332.40	0	00:00	0.00
PWOPRMHS0004159	JUNCTION	0.02	0.27	329.90	0	05:15	0.27
PWOPRMHS0004201	JUNCTION	0.02	0.27	329.79	0	05:15	0.27
PWOPRMHS0004998	JUNCTION	0.00	0.04	326.77	0	05:15	0.04
PWOPRMHS0004999	JUNCTION	0.00	0.03	327.52	0	04:26	0.03
PWOPRMHS0005000	JUNCTION	0.02	0.40	327.39	0	05:15	0.40
PWOPRMHS0005001	JUNCTION	0.03	0.41	327.53	0	05:15	0.41
PWOPRMHS0005003	JUNCTION	0.07	1.22	327.41	0	05:14	1.22
PWOPRMHS0005008	JUNCTION	0.01	0.14	338.66	0	05:15	0.14
PWOPRMHS0005009	JUNCTION	0.01	0.10	339.49	0	05:15	0.10
PWOPRMHS0005010	JUNCTION	0.01	0.13	338.27	0	05:15	0.13
PWOPRMHS0005011	JUNCTION	0.02	0.38	335.36	0	05:15	0.38
PWOPRMHS0005012	JUNCTION	0.01	0.20	335.75	0	05:15	0.20
PWOPRMHS0005013	JUNCTION	0.02	0.31	335.11	0	05:15	0.31
PWOPRMHS0005178	JUNCTION	0.00	0.05	328.69	0	05:15	0.05
PWOPRMHS0005179	JUNCTION	0.04	0.65	326.85	0	05:15	0.65
PWOPRMHS0005181	JUNCTION	0.04	0.68	327.34	0	05:15	0.68
PWOPRMHS0005183	JUNCTION	0.03	0.50	328.24	0	05:15	0.50
PWOPRMHS0005188	JUNCTION	0.02	0.28	330.22	0	05:15	0.28
PWOPRMHS0005196	JUNCTION	0.01	0.26	328.47	0	05:15	0.26
PWOPRMHS0005223	JUNCTION	0.04	0.63	326.47	0	05:15	0.63
PWOPRMHS0005226	JUNCTION	0.04	0.63	326.09	0	05:15	0.63
PWOPRMHS0005229	JUNCTION	0.01	0.30	325.04	0	05:15	0.30
PWOPRMHS0005230	JUNCTION	0.03	0.43	324.98	0	05:15	0.43
PWOPRMHS0005231	JUNCTION	0.01	0.24	325.48	0	05:15	0.24
PWOPRMHS0005906	JUNCTION	0.00	0.00	319.63	0	00:00	0.00
PWOPRMHS0005908	JUNCTION	0.01	0.17	319.09	0	05:15	0.17
PWOPRMHS0005909	JUNCTION	0.02	0.32	318.76	0	05:15	0.32
PWOPRMHS0005910	JUNCTION	0.00	0.00	318.95	0	00:00	0.00
PWOPRMHS0005911	JUNCTION	0.00	0.00	319.29	0	00:00	0.00
PWOPRMHS0005924	JUNCTION	0.01	0.25	318.85	0	05:15	0.25
PWOPRMHS0005926	JUNCTION	0.02	0.39	318.44	0	05:15	0.39

PWOPRMHS0005927	JUNCTION	0.03	0.53	318.29	0	05:15	0.53
PWOPRMHS0005930	JUNCTION	0.03	0.55	317.80	0	05:15	0.55
PWOPRMHS0005931	JUNCTION	0.02	0.30	318.00	0	05:15	0.30
PWOPRMHS0005932	JUNCTION	0.01	0.18	318.06	0	05:15	0.18
PWOPRMHS0005944	JUNCTION	0.01	0.20	318.52	0	05:15	0.20
PWOPRMHS0005945	JUNCTION	0.02	0.28	318.50	0	05:15	0.28
PWOPRMHS0005946	JUNCTION	0.02	0.25	318.75	0	05:15	0.25
SWMPOND	JUNCTION	0.06	1.16	323.16	0	05:12	1.15
A1_OVERFLOW	OUTFALL	0.00	0.05	317.05	0	05:15	0.05
A2_OVERFLOW	OUTFALL	0.00	0.00	329.00	0	00:00	0.00
A3_OVERFLOW	OUTFALL	0.08	0.54	326.54	0	05:15	0.54
A4_OVERFLOW	OUTFALL	0.33	1.07	318.07	0	08:15	1.07
B1_OVERFLOW	OUTFALL	0.00	0.16	324.16	0	05:16	0.15
B2_OVERFLOW	OUTFALL	0.04	0.39	322.39	0	05:27	0.39
C1_OVERFLOW	OUTFALL	0.04	0.56	319.56	0	05:15	0.56
D1_OVERFLOW	OUTFALL	0.04	0.57	325.07	0	05:15	0.57
D2_OVERFLOW	OUTFALL	0.07	0.36	321.36	0	05:15	0.36
D3_OVERFLOW	OUTFALL	0.18	0.69	322.19	0	09:39	0.69
D4_OVERFLOW	OUTFALL	0.07	0.29	318.29	0	06:40	0.29
E1_OVERFLOW	OUTFALL	0.63	1.21	315.21	0	15:09	1.21
E2_OVERFLOW	OUTFALL	0.44	0.82	314.72	0	20:44	0.81
HanlonCreek	OUTFALL	0.00	0.00	300.00	0	00:00	0.00
S_A1	STORAGE	0.06	0.64	331.64	0	05:16	0.64
S_A1.1FRST	STORAGE	0.07	2.00	337.64	0	04:43	2.00
S_A2	STORAGE	0.09	0.67	330.67	0	07:28	0.67
S_A2.1FRST	STORAGE	0.07	2.00	335.57	0	04:46	2.00
S_A2.2FRST	STORAGE	0.06	2.00	335.57	0	05:02	2.00
S_A3	STORAGE	0.18	0.70	326.70	0	07:26	0.70
S_A3.1FRST	STORAGE	0.07	2.00	334.00	0	04:47	2.00
S_A3.2FRST	STORAGE	0.07	2.00	334.00	0	05:00	2.00
S_A3.3FRST	STORAGE	0.09	2.00	331.10	0	05:17	2.00
S_A4	STORAGE	0.63	1.43	319.43	0	09:14	1.43
S_A4.1FRST	STORAGE	0.07	2.00	325.40	0	05:07	2.00
S_A4.2FRST	STORAGE	0.08	2.00	325.40	0	04:53	2.00
S_A4.3FRST	STORAGE	0.06	2.00	325.96	0	04:55	2.00
S_A4.4FRST	STORAGE	0.07	2.00	325.96	0	04:51	2.00
S_A4.5FRST	STORAGE	0.08	2.00	329.00	0	04:43	2.00
S_A4.6FRST	STORAGE	0.07	2.00	329.00	0	04:50	2.00
S_B1	STORAGE	0.05	0.71	324.71	0	05:19	0.70
S_B1.1FRST	STORAGE	0.07	2.00	330.00	0	04:42	2.00
S_B2	STORAGE	0.16	1.09	323.09	0	05:24	1.07
S_B2.1FRST	STORAGE	0.09	2.00	327.50	0	05:09	2.00
S_C1	STORAGE	0.23	1.08	320.08	0	05:25	1.08
S_C1.1FRST	STORAGE	0.05	2.00	324.10	0	05:01	2.00
S_D1	STORAGE	0.12	0.83	325.33	0	06:12	0.83
S_D1.1FRST	STORAGE	0.07	2.00	331.50	0	04:50	2.00
S_D2	STORAGE	0.23	0.63	321.63	0	05:21	0.62
S_D2.1FRST	STORAGE	0.07	2.00	326.10	0	04:52	2.00
S_D3	STORAGE	0.45	1.30	322.80	0	09:47	1.30
S_D4	STORAGE	0.37	0.96	318.96	0	05:19	0.95
S_D4.1FRST	STORAGE	0.06	2.00	323.10	0	04:53	2.00
S_E1	STORAGE	1.22	1.94	315.94	0	15:08	1.94
S_E1.1FRST	STORAGE	0.09	2.00	319.10	0	05:05	2.00
S_E2	STORAGE	0.58	0.88	314.78	0	21:08	0.88
S_E2.1FRST	STORAGE	0.07	2.00	318.95	0	05:11	2.00

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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	
1	JUNCTION	9.042	9.402	0 05:15	59.5	62.3	-0.015	
11	JUNCTION	0.000	20.631	0 09:12	0	1.11e+03	-0.000	
12	JUNCTION	0.000	20.630	0 09:17	0	1.11e+03	-0.001	
13	JUNCTION	0.000	31.635	0 05:18	0	1.49e+03	-0.000	
14	JUNCTION	10.279	16.252	0 05:15	82.5	145	0.006	
15	JUNCTION	0.000	24.442	0 17:30	0	1.53e+03	-0.040	
17	JUNCTION	0.000	17.750	0 21:08	0	1.54e+03	0.000	
18	JUNCTION	1.356	18.726	0 05:02	8.44	120	-0.127	
19	JUNCTION	0.000	5.732	0 05:19	0	56.5	0.003	
2	JUNCTION	53.292	57.512	0 05:15	344	373	-0.045	
20	JUNCTION	7.113	13.860	0 05:16	84.3	184	0.011	
21	JUNCTION	12.518	25.470	0 05:15	81.3	721	0.002	
22	JUNCTION	0.000	8.703	0 05:31	0	171	-0.026	
24	JUNCTION	0.571	12.731	0 05:31	2.53	207	0.030	
25	JUNCTION	0.000	9.121	0 05:31	0	161	-0.002	
26	JUNCTION	0.000	0.000	0 00:00	0	0	0.000	ltr
27	JUNCTION	24.362	25.931	0 05:14	159	170	-0.019	
28	JUNCTION	34.702	45.564	0 05:15	840	1.02e+03	0.013	
29	JUNCTION	0.000	8.523	0 06:12	0	175	-0.009	
3	JUNCTION	4.358	9.190	0 05:15	26.3	99.3	-0.024	
30	JUNCTION	0.000	6.313	0 05:21	0	310	-0.000	
31	JUNCTION	0.000	6.312	0 05:21	0	310	-0.000	
32	JUNCTION	0.000	6.312	0 05:21	0	310	-0.001	
34	JUNCTION	0.000	7.414	0 05:19	0	363	0.000	
35	JUNCTION	0.000	7.413	0 05:19	0	363	0.001	
36	JUNCTION	0.087	10.662	0 05:16	0.399	381	0.001	
37	JUNCTION	8.738	15.259	0 05:16	45.4	96.7	0.001	
39	JUNCTION	0.000	10.643	0 09:52	0	458	0.008	
4	JUNCTION	0.210	0.590	0 05:15	1.34	4.46	-0.012	
40	JUNCTION	64.703	64.963	0 05:15	738	740	0.001	
42	JUNCTION	39.099	46.422	0 06:16	516	635	0.006	
48	JUNCTION	34.146	48.776	0 05:15	387	557	0.011	
49	JUNCTION	76.592	76.592	0 09:15	2.7e+03	2.7e+03	-0.000	
5	JUNCTION	0.000	5.490	0 07:34	0	108	0.011	
50	JUNCTION	26.993	33.127	0 06:40	912	1.23e+03	0.000	
53	JUNCTION	311.262	330.362	0 14:45	2.04e+04	2.19e+04	-0.006	
54	JUNCTION	148.166	169.252	0 20:44	1.04e+04	1.19e+04	0.016	
56	JUNCTION	10.709	17.733	0 21:08	47.3	1.59e+03	0.001	
6	JUNCTION	8.096	13.602	0 05:15	52	172	-0.042	
7	JUNCTION	203.338	227.519	0 08:15	7.97e+03	9.11e+03	0.003	
8	JUNCTION	12.093	77.244	0 05:15	83.4	732	0.004	
9	JUNCTION	0.217	95.478	0 05:14	1.39	955	-0.019	
MHEasement1	JUNCTION	0.108	0.801	0 05:15	0.526	3.92	-0.021	
MHEasement2	JUNCTION	0.252	1.053	0 05:15	1.19	5.11	0.012	
MHSchool	JUNCTION	0.000	2.117	0 05:15	0	12	-0.009	
MHSWM4	JUNCTION	0.080	4.994	0 05:15	0.356	28.2	0.001	
PWOPRMHS0001369	JUNCTION	0.000	2.084	0 05:15	0	10.5	-0.002	

PWOPRMHS0001370	JUNCTION	0.000	0.694	0	05:15	0	3.39	-0.002	
PWOPRMHS0001371	JUNCTION	0.219	0.219	0	05:15	1.07	1.07	-0.000	
PWOPRMHS0001372	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001373	JUNCTION	0.000	0.441	0	05:15	0	2.16	-0.001	
PWOPRMHS0001374	JUNCTION	0.085	0.474	0	05:15	0.417	2.33	0.002	
PWOPRMHS0001375	JUNCTION	0.000	0.474	0	05:15	0	2.33	0.002	
PWOPRMHS0001386	JUNCTION	0.000	3.807	0	05:15	0	18.8	-0.017	
PWOPRMHS0001387	JUNCTION	0.000	2.755	0	05:15	0	13.7	-0.018	
PWOPRMHS0001388	JUNCTION	0.241	2.755	0	05:15	1.14	13.7	0.016	
PWOPRMHS0001389	JUNCTION	0.432	2.515	0	05:15	2.08	12.5	0.004	
PWOPRMHS0001390	JUNCTION	0.172	0.172	0	05:15	0.867	0.867	-0.001	
PWOPRMHS0001391	JUNCTION	0.000	0.359	0	05:15	0	1.76	-0.002	
PWOPRMHS0001392	JUNCTION	0.188	0.188	0	05:15	0.894	0.894	-0.001	
PWOPRMHS0001393	JUNCTION	0.348	1.643	0	05:15	1.87	8.31	0.002	
PWOPRMHS0001394	JUNCTION	0.000	0.359	0	05:15	0	1.76	-0.007	
PWOPRMHS0001395	JUNCTION	0.462	0.462	0	05:15	2.16	2.16	-0.002	
PWOPRMHS0001398	JUNCTION	0.475	0.475	0	05:15	2.25	2.25	-0.001	
PWOPRMHS0001399	JUNCTION	0.000	0.475	0	05:15	0	2.25	-0.001	
PWOPRMHS0001400	JUNCTION	0.000	0.475	0	05:15	0	2.25	0.001	
PWOPRMHS0001401	JUNCTION	0.225	0.699	0	05:15	1.06	3.31	-0.180	
PWOPRMHS0001402	JUNCTION	0.177	0.997	0	05:15	0.858	4.78	-0.138	
PWOPRMHS0001403	JUNCTION	0.569	4.915	0	05:15	3.17	27.9	-0.001	
PWOPRMHS0001404	JUNCTION	0.000	1.295	0	05:15	0	6.44	-0.011	
PWOPRMHS0001408	JUNCTION	0.813	0.813	0	05:15	3.82	3.82	-0.001	
PWOPRMHS0001409	JUNCTION	0.249	0.249	0	05:15	1.36	1.36	0.020	
PWOPRMHS0001410	JUNCTION	0.172	2.787	0	05:15	0.95	16.1	-0.004	
PWOPRMHS0001411	JUNCTION	0.083	0.652	0	05:15	0.504	4.23	0.008	
PWOPRMHS0001412	JUNCTION	0.039	0.569	0	05:15	0.252	3.73	-0.000	
PWOPRMHS0001413	JUNCTION	0.454	0.454	0	05:15	3	3	-0.000	
PWOPRMHS0001415	JUNCTION	0.000	2.083	0	05:15	0	10.5	-0.010	
PWOPRMHS0001416	JUNCTION	0.000	5.006	0	05:15	0	28.2	-0.004	
PWOPRMHS0001418	JUNCTION	0.263	6.787	0	05:14	1.31	33	-0.033	
PWOPRMHS0001419	JUNCTION	0.000	0.389	0	05:15	0	1.91	-0.002	
PWOPRMHS0001420	JUNCTION	0.074	0.389	0	05:15	0.365	1.91	-0.000	
PWOPRMHS0001421	JUNCTION	0.000	0.315	0	05:15	0	1.55	-0.000	
PWOPRMHS0001422	JUNCTION	0.050	0.441	0	05:15	0.256	2.16	-0.043	
PWOPRMHS0001423	JUNCTION	0.052	0.391	0	05:15	0.249	1.9	0.026	
PWOPRMHS0001424	JUNCTION	0.339	0.339	0	05:15	1.65	1.65	-0.001	
PWOPRMHS0001428	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001429	JUNCTION	0.315	0.315	0	05:15	1.55	1.55	-0.000	
PWOPRMHS0001430	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001431	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001433	JUNCTION	0.707	0.897	0	05:16	3.43	3.46	0.267	
PWOPRMHS0001435	JUNCTION	0.104	0.104	0	05:15	0.61	0.61	0.023	
PWOPRMHS0001436	JUNCTION	0.106	8.214	0	05:14	0.535	45.5	-0.002	
PWOPRMHS0001437	JUNCTION	0.000	2.083	0	05:15	0	12	0.007	
PWOPRMHS0001438	JUNCTION	0.000	8.253	0	05:15	0	46.1	-0.002	
PWOPRMHS0001467	JUNCTION	0.482	0.482	0	05:15	2.62	2.62	0.031	
PWOPRMHS0001597	JUNCTION	0.000	0.020	0	04:33	0	0.00935	1.550	
PWOPRMHS0001598	JUNCTION	0.266	0.623	0	05:15	1.84	4.35	0.018	
PWOPRMHS0001600	JUNCTION	0.680	0.680	0	05:15	3.99	3.99	-0.025	
PWOPRMHS0001601	JUNCTION	0.317	0.317	0	05:15	2.22	2.22	-0.000	
PWOPRMHS0001602	JUNCTION	0.026	0.356	0	05:15	0.192	2.51	-0.014	
PWOPRMHS0001603	JUNCTION	0.034	0.713	0	05:14	0.248	4.24	0.053	
PWOPRMHS0001604	JUNCTION	0.043	1.252	0	05:13	0.32	7.19	-0.026	
PWOPRMHS0001605	JUNCTION	0.498	0.498	0	05:13	2.63	2.64	0.011	
PWOPRMHS0001606	JUNCTION	0.246	6.758	0	05:14	1.36	39	0.008	

PWOPRMHS0001608	JUNCTION	0.000	4.645	0	05:14	0	26.1	-0.027
PWOPRMHS0001610	JUNCTION	0.000	5.266	0	05:14	0	30.5	-0.003
PWOPRMHS0001611	JUNCTION	0.049	4.197	0	05:02	0.275	12.1	1.578
PWOPRMHS0001614	JUNCTION	0.050	5.105	0	05:02	0.249	12	-1.313
PWOPRMHS0001622	JUNCTION	0.076	0.076	0	05:15	0.471	0.471	-0.001
PWOPRMHS0001624	JUNCTION	0.000	0.461	0	05:15	0	2.86	-0.000
PWOPRMHS0001625	JUNCTION	0.160	0.621	0	05:15	0.899	3.76	-0.000
PWOPRMHS0001626	JUNCTION	0.461	0.461	0	05:15	2.86	2.86	0.010
PWOPRMHS0001634	JUNCTION	0.186	2.972	0	05:15	1.02	17.1	0.021
PWOPRMHS0001642	JUNCTION	0.038	4.015	0	05:16	0.247	5.04	2.339
PWOPRMHS0001643	JUNCTION	0.070	1.164	0	05:16	0.335	2.45	-1.306
PWOPRMHS0001649	JUNCTION	0.068	0.921	0	05:15	0.424	5.52	-0.000
PWOPRMHS0001650	JUNCTION	0.000	0.647	0	05:15	0	3.91	-0.000
PWOPRMHS0001651	JUNCTION	0.026	0.647	0	05:15	0.15	3.91	-0.000
PWOPRMHS0001652	JUNCTION	0.000	0.921	0	05:15	0	5.52	-0.000
PWOPRMHS0001653	JUNCTION	0.000	0.921	0	05:15	0	5.52	0.001
PWOPRMHS0001654	JUNCTION	0.000	0.921	0	05:15	0	5.52	0.002
PWOPRMHS0001655	JUNCTION	0.206	0.206	0	05:15	1.18	1.18	0.005
PWOPRMHS0001657	JUNCTION	0.025	1.412	0	05:15	0.154	7.89	-0.011
PWOPRMHS0001658	JUNCTION	0.361	0.361	0	05:15	2.03	2.03	0.004
PWOPRMHS0001659	JUNCTION	1.026	1.026	0	05:15	5.71	5.71	0.018
PWOPRMHS0001660	JUNCTION	0.058	2.423	0	05:15	0.3	12	0.000
PWOPRMHS0001661B	JUNCTION	1.551	2.472	0	05:15	8.33	13.8	0.002
PWOPRMHS0001662	JUNCTION	0.291	6.618	0	05:15	1.5	35.4	-0.024
PWOPRMHS0001663	JUNCTION	0.021	3.905	0	05:15	0.149	21.9	-0.001
PWOPRMHS0001664	JUNCTION	0.000	0.921	0	05:15	0	5.52	0.004
PWOPRMHS0001667	JUNCTION	0.000	6.757	0	05:15	0	39	-0.010
PWOPRMHS0001670	JUNCTION	0.069	6.823	0	05:15	0.458	39.5	0.091
PWOPRMHS0001674	JUNCTION	0.000	8.281	0	05:15	0	45.9	0.002
PWOPRMHS0001676	JUNCTION	0.063	1.273	0	05:15	0.308	7.21	-0.002
PWOPRMHS0001677	JUNCTION	0.092	1.211	0	05:15	0.497	6.91	-0.005
PWOPRMHS0001678	JUNCTION	0.391	0.391	0	05:15	2.24	2.24	0.002
PWOPRMHS0001679	JUNCTION	0.000	0.775	0	05:15	0	4.3	0.000
PWOPRMHS0001680	JUNCTION	0.092	1.412	0	05:15	0.514	7.84	-0.009
PWOPRMHS0001682	JUNCTION	0.157	2.650	0	05:15	0.9	14.8	-0.007
PWOPRMHS0001686	JUNCTION	0.072	2.381	0	05:15	0.407	13.3	-0.000
PWOPRMHS0001687	JUNCTION	0.000	6.715	0	05:15	0	37.2	0.001
PWOPRMHS0001688	JUNCTION	0.090	7.008	0	05:15	0.433	38.7	-0.000
PWOPRMHS0001689	JUNCTION	0.123	6.716	0	05:15	0.613	37.2	0.007
PWOPRMHS0001690	JUNCTION	0.056	3.943	0	05:15	0.273	21.8	0.000
PWOPRMHS0001691	JUNCTION	0.168	3.889	0	05:15	0.819	21.5	-0.001
PWOPRMHS0001692	JUNCTION	0.098	3.208	0	05:15	0.487	18.2	-0.000
PWOPRMHS0001695	JUNCTION	0.458	0.458	0	05:15	2.68	2.68	0.009
PWOPRMHS0001697	JUNCTION	0.545	0.545	0	05:15	2.72	2.72	-0.001
PWOPRMHS0001705	JUNCTION	0.206	0.206	0	05:15	1.05	1.05	-0.001
PWOPRMHS0001706	JUNCTION	0.729	0.729	0	05:15	4.17	4.17	0.011
PWOPRMHS0001713	JUNCTION	0.208	8.488	0	05:15	1	46.9	-0.006
PWOPRMHS0001729	JUNCTION	0.000	0.721	0	05:15	0	4.19	-0.008
PWOPRMHS0001732	JUNCTION	0.000	0.842	0	05:15	0	4.77	-0.007
PWOPRMHS0001733	JUNCTION	0.213	0.213	0	05:15	1.07	1.07	0.010
PWOPRMHS0001736	JUNCTION	0.069	0.826	0	05:15	0.337	4.12	-0.012
PWOPRMHS0001739	JUNCTION	0.220	1.061	0	05:15	1.06	5.83	0.002
PWOPRMHS0001740	JUNCTION	0.000	1.061	0	05:15	0	5.83	-0.001
PWOPRMHS0001741	JUNCTION	0.115	0.115	0	05:15	0.574	0.574	0.084
PWOPRMHS0001743	JUNCTION	0.114	3.321	0	05:15	0.566	18.8	-0.016
PWOPRMHS0001744	JUNCTION	0.000	3.111	0	05:15	0	17.7	-0.001
PWOPRMHS0001745	JUNCTION	0.018	3.050	0	05:15	0.103	17.4	-0.004

PWOPRMHS0001746	JUNCTION	0.062	3.111	0	05:15	0.304	17.7	-0.000	
PWOPRMHS0001761	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001764	JUNCTION	0.591	1.204	0	05:15	3.31	6.71	0.067	
PWOPRMHS0001765	JUNCTION	0.614	0.614	0	05:15	3.39	3.4	-0.001	
PWOPRMHS0001766	JUNCTION	0.000	0.002	0	04:30	0	0.00106	0.299	
PWOPRMHS0001767	JUNCTION	0.154	1.715	0	05:15	0.849	9.56	-0.039	
PWOPRMHS0001768	JUNCTION	0.357	0.357	0	05:15	2	2	0.038	
PWOPRMHS0001788	JUNCTION	0.318	4.347	0	05:15	1.76	24.7	0.000	
PWOPRMHS0001791	JUNCTION	0.296	3.266	0	05:15	1.64	18.7	-0.019	
PWOPRMHS0001792	JUNCTION	0.165	3.850	0	05:15	0.901	22	0.047	
PWOPRMHS0001796	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001797	JUNCTION	0.420	0.420	0	05:15	2.3	2.3	-0.000	
PWOPRMHS0001798	JUNCTION	0.000	0.420	0	05:15	0	2.3	-0.003	
PWOPRMHS0001804	JUNCTION	0.090	0.090	0	05:15	0.559	0.559	-0.001	
PWOPRMHS0001836	JUNCTION	0.182	4.031	0	05:15	0.993	22.9	-0.029	
PWOPRMHS0001855	JUNCTION	0.072	1.943	0	05:15	0.484	11.3	-0.000	
PWOPRMHS0001856	JUNCTION	0.000	1.547	0	05:15	0	8.7	-0.001	
PWOPRMHS0001857	JUNCTION	0.140	2.083	0	05:15	0.705	12	-0.000	
PWOPRMHS0001858	JUNCTION	0.083	1.532	0	05:15	0.532	8.59	-0.000	
PWOPRMHS0001867	JUNCTION	0.165	0.165	0	05:15	0.922	0.922	-0.001	
PWOPRMHS0001874	JUNCTION	0.121	0.121	0	05:15	0.58	0.58	0.041	
PWOPRMHS0001878	JUNCTION	0.062	1.081	0	05:01	0.293	4.42	-0.416	
PWOPRMHS0001879	JUNCTION	0.000	4.954	0	05:09	0	6.73	0.049	
PWOPRMHS0001881	JUNCTION	0.368	0.368	0	05:15	1.79	1.79	0.100	
PWOPRMHS0001889	JUNCTION	0.071	1.548	0	05:15	0.36	7.63	-0.013	
PWOPRMHS0001890	JUNCTION	0.027	2.252	0	05:15	0.177	11.1	0.011	
PWOPRMHS0001891	JUNCTION	0.213	0.213	0	05:15	1.03	1.03	-0.011	
PWOPRMHS0001894	JUNCTION	0.114	2.365	0	05:15	0.551	11.7	-0.010	
PWOPRMHS0001903	JUNCTION	0.696	0.696	0	05:15	3.87	3.87	-0.000	
PWOPRMHS0001904	JUNCTION	0.000	0.861	0	05:15	0	4.79	-0.001	
PWOPRMHS0001906	JUNCTION	0.057	1.056	0	05:15	0.308	5.21	0.006	
PWOPRMHS0001907	JUNCTION	0.000	0.550	0	05:15	0	2.69	-0.028	
PWOPRMHS0001908	JUNCTION	0.449	0.449	0	05:15	2.21	2.21	0.008	
PWOPRMHS0001911	JUNCTION	0.000	1.056	0	05:15	0	5.21	-0.003	
PWOPRMHS0001912	JUNCTION	0.374	9.942	0	05:15	1.78	54.5	-0.074	
PWOPRMHS0001914	JUNCTION	0.589	0.589	0	05:15	3.27	3.27	-0.000	
PWOPRMHS0001915	JUNCTION	0.015	1.547	0	05:15	0.102	8.7	0.001	
PWOPRMHS0001916	JUNCTION	0.235	1.782	0	05:15	1.53	10.2	0.002	
PWOPRMHS0001917	JUNCTION	0.551	0.551	0	05:15	2.69	2.69	0.027	
PWOPRMHS0001918	JUNCTION	0.279	8.520	0	05:15	1.4	47.5	0.056	
PWOPRMHS0001919	JUNCTION	0.402	0.402	0	05:15	1.92	1.92	0.013	
PWOPRMHS0001925	JUNCTION	0.242	1.499	0	05:15	1.42	8.9	-0.023	
PWOPRMHS0001926	JUNCTION	0.000	1.499	0	05:15	0	8.9	0.030	
PWOPRMHS0001927	JUNCTION	0.000	0.504	0	05:15	0	2.96	-0.003	
PWOPRMHS0001928	JUNCTION	0.266	3.793	0	05:07	1.56	22.4	-0.004	
PWOPRMHS0001929	JUNCTION	0.230	1.142	0	05:15	1.35	6.79	0.002	
PWOPRMHS0001930	JUNCTION	0.105	1.379	0	05:15	0.615	8.18	0.029	
PWOPRMHS0001931	JUNCTION	0.000	0.912	0	05:15	0	5.45	-0.000	
PWOPRMHS0001932	JUNCTION	0.000	0.912	0	05:15	0	5.45	-0.001	
PWOPRMHS0001933	JUNCTION	0.280	0.912	0	05:15	1.64	5.45	-0.001	
PWOPRMHS0001935	JUNCTION	0.000	0.632	0	05:15	0	3.81	-0.001	
PWOPRMHS0001937	JUNCTION	1.257	1.257	0	05:15	7.48	7.48	0.003	
PWOPRMHS0001939	JUNCTION	0.504	0.504	0	05:15	2.96	2.96	-0.000	
PWOPRMHS0001941	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001943	JUNCTION	0.633	0.633	0	05:15	3.81	3.81	-0.001	
PWOPRMHS0001944	JUNCTION	0.140	1.520	0	05:15	0.821	9	-0.047	
PWOPRMHS0001945	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr

PWOPRMHS0001947	JUNCTION	0.133	0.133	0	05:15	0.777	0.777	-0.001	
PWOPRMHS0002041	JUNCTION	1.057	1.057	0	05:15	6.14	6.14	0.001	
PWOPRMHS0002042	JUNCTION	0.721	0.721	0	05:15	4.19	4.19	0.022	
PWOPRMHS0002046	JUNCTION	0.112	0.112	0	05:15	0.632	0.632	-0.000	
PWOPRMHS0002050	JUNCTION	0.605	0.605	0	05:15	3.78	3.78	0.022	
PWOPRMHS0002051	JUNCTION	0.197	3.033	0	05:15	0.979	17.3	0.002	
PWOPRMHS0002080	JUNCTION	0.464	0.464	0	05:15	2.28	2.28	0.026	
PWOPRMHS0002082	JUNCTION	0.806	0.806	0	05:15	3.94	3.94	0.029	
PWOPRMHS0002083	JUNCTION	0.000	1.168	0	05:15	0	5.81	-0.002	
PWOPRMHS0002084	JUNCTION	0.309	1.477	0	05:15	1.46	7.27	0.013	
PWOPRMHS0002085	JUNCTION	0.363	0.363	0	05:15	1.88	1.88	-0.000	
PWOPRMHS0002095	JUNCTION	0.545	0.545	0	05:15	3.03	3.03	-0.004	
PWOPRMHS0003136	JUNCTION	0.030	2.310	0	05:15	0.17	12.9	0.000	
PWOPRMHS0003137	JUNCTION	0.111	2.281	0	05:15	0.607	12.7	0.002	
PWOPRMHS0003140	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0003146	JUNCTION	0.052	1.914	0	05:15	0.298	10.7	0.006	
PWOPRMHS0003147	JUNCTION	0.000	1.914	0	05:15	0	10.7	0.000	
PWOPRMHS0003148	JUNCTION	0.000	1.914	0	05:15	0	10.7	0.000	
PWOPRMHS0003149	JUNCTION	0.257	2.170	0	05:15	1.4	12.1	-0.002	
PWOPRMHS0003153	JUNCTION	0.775	0.775	0	05:15	4.3	4.3	-0.001	
PWOPRMHS0003160	JUNCTION	0.451	0.451	0	05:15	2.55	2.55	0.014	
PWOPRMHS0004129	JUNCTION	0.477	0.477	0	05:15	2.64	2.64	0.001	
PWOPRMHS0004130	JUNCTION	0.045	1.040	0	05:15	0.262	5.77	-0.000	
PWOPRMHS0004131	JUNCTION	0.041	1.081	0	05:15	0.247	6.02	0.007	
PWOPRMHS0004132	JUNCTION	0.057	3.088	0	05:15	0.36	17.1	-0.020	
PWOPRMHS0004133	JUNCTION	0.080	1.125	0	05:15	0.458	6.1	-0.000	
PWOPRMHS0004134	JUNCTION	0.000	1.045	0	05:15	0	5.64	0.000	
PWOPRMHS0004135	JUNCTION	0.312	1.046	0	05:15	1.72	5.64	-0.003	
PWOPRMHS0004137	JUNCTION	0.069	0.735	0	05:15	0.378	3.92	0.004	
PWOPRMHS0004141	JUNCTION	0.000	3.437	0	05:15	0	19	0.017	
PWOPRMHS0004142	JUNCTION	0.354	3.816	0	05:15	2	21.2	-0.014	
PWOPRMHS0004143	JUNCTION	0.350	0.350	0	05:15	1.9	1.9	-0.002	
PWOPRMHS0004146	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0004159	JUNCTION	0.519	0.519	0	05:15	2.88	2.88	0.026	
PWOPRMHS0004201	JUNCTION	0.826	0.826	0	05:15	4.61	4.61	-0.000	
PWOPRMHS0004998	JUNCTION	0.013	0.013	0	05:15	0.0959	0.0959	-0.010	
PWOPRMHS0004999	JUNCTION	0.007	0.007	0	05:15	0.0479	0.0479	0.011	
PWOPRMHS0005000	JUNCTION	0.046	0.596	0	05:15	0.335	3.91	-0.028	
PWOPRMHS0005001	JUNCTION	0.544	0.544	0	05:15	3.53	3.53	-0.001	
PWOPRMHS0005003	JUNCTION	0.238	4.652	0	05:13	1.05	26.1	0.041	
PWOPRMHS0005008	JUNCTION	0.128	0.192	0	05:15	0.718	1.08	-0.000	
PWOPRMHS0005009	JUNCTION	0.064	0.064	0	05:15	0.358	0.358	-0.002	
PWOPRMHS0005010	JUNCTION	0.000	0.192	0	05:15	0	1.08	0.055	
PWOPRMHS0005011	JUNCTION	0.211	0.667	0	05:15	1.07	3.54	-0.013	
PWOPRMHS0005012	JUNCTION	0.265	0.265	0	05:15	1.39	1.39	-0.098	
PWOPRMHS0005013	JUNCTION	0.000	0.666	0	05:15	0	3.54	0.000	
PWOPRMHS0005178	JUNCTION	0.026	0.026	0	05:15	0.192	0.192	-0.115	
PWOPRMHS0005179	JUNCTION	0.168	2.133	0	05:15	0.83	11.9	-0.014	
PWOPRMHS0005181	JUNCTION	0.089	1.965	0	05:15	0.418	11.1	0.035	
PWOPRMHS0005183	JUNCTION	0.024	1.876	0	05:15	0.17	10.7	0.038	
PWOPRMHS0005188	JUNCTION	1.204	1.204	0	05:15	6.83	6.83	-0.002	
PWOPRMHS0005196	JUNCTION	0.649	0.649	0	05:15	3.68	3.68	-0.000	
PWOPRMHS0005223	JUNCTION	0.078	2.211	0	05:15	0.387	12.3	-0.010	
PWOPRMHS0005226	JUNCTION	0.134	2.344	0	05:15	0.641	13	-0.002	
PWOPRMHS0005229	JUNCTION	0.048	0.451	0	05:15	0.23	2.17	0.005	
PWOPRMHS0005230	JUNCTION	0.065	2.860	0	05:15	0.328	15.5	-0.091	
PWOPRMHS0005231	JUNCTION	0.404	0.404	0	05:15	1.94	1.94	-0.002	

PWOPRMHS0005906	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0005908	JUNCTION	0.139	0.139	0	05:15	0.809	0.809	-0.001	
PWOPRMHS0005909	JUNCTION	0.468	0.608	0	05:15	2.75	3.56	0.031	
PWOPRMHS0005910	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0005911	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0005924	JUNCTION	0.366	0.366	0	05:15	1.8	1.8	-0.060	
PWOPRMHS0005926	JUNCTION	0.137	0.744	0	05:15	0.771	4.33	-0.012	
PWOPRMHS0005927	JUNCTION	0.132	1.241	0	05:15	0.763	6.89	0.065	
PWOPRMHS0005930	JUNCTION	0.262	2.297	0	05:15	1.41	13	-0.163	
PWOPRMHS0005931	JUNCTION	0.087	0.558	0	05:15	0.6	3.35	0.008	
PWOPRMHS0005932	JUNCTION	0.237	0.237	0	05:15	1.36	1.36	-0.005	
PWOPRMHS0005944	JUNCTION	0.111	0.111	0	05:15	0.634	0.634	-0.005	
PWOPRMHS0005945	JUNCTION	0.000	0.471	0	05:15	0	2.75	0.000	
PWOPRMHS0005946	JUNCTION	0.360	0.360	0	05:15	2.12	2.12	-0.000	
SWMPOND	JUNCTION	0.496	4.984	0	04:46	2.81	27.9	-0.056	
A1_OVERFLOW	OUTFALL	0.000	11.852	0	05:15	0	75.4	0.000	
A2_OVERFLOW	OUTFALL	0.000	7.765	0	05:16	0	75.7	0.000	
A3_OVERFLOW	OUTFALL	0.000	37.107	0	05:15	0	754	0.000	
A4_OVERFLOW	OUTFALL	0.000	206.605	0	08:15	0	8.05e+03	0.000	
B1_OVERFLOW	OUTFALL	0.000	9.488	0	05:16	0	40.2	0.000	
B2_OVERFLOW	OUTFALL	0.000	39.664	0	05:27	0	511	0.000	
C1_OVERFLOW	OUTFALL	0.000	53.911	0	05:15	0	552	0.000	
D1_OVERFLOW	OUTFALL	0.000	38.917	0	05:15	0	382	0.000	
D2_OVERFLOW	OUTFALL	0.000	18.868	0	05:15	0	411	0.000	
D3_OVERFLOW	OUTFALL	0.000	65.892	0	09:39	0	2.24e+03	0.000	
D4_OVERFLOW	OUTFALL	0.000	26.733	0	06:40	0	883	0.000	
E1_OVERFLOW	OUTFALL	0.000	312.656	0	15:09	0	2.03e+04	0.000	
E2_OVERFLOW	OUTFALL	0.000	151.418	0	20:44	0	1.04e+04	0.000	
HanlonCreek	OUTFALL	0.000	17.699	0	21:11	0	1.59e+03	0.000	
S_A1	STORAGE	0.000	4.403	0	05:15	0	69.5	0.001	
S_A1.1FRST	STORAGE	1.112	1.112	0	05:15	3.87	3.87	-0.009	
S_A2	STORAGE	0.000	6.095	0	05:16	0	108	0.002	
S_A2.1FRST	STORAGE	0.969	0.969	0	05:15	2.94	2.94	-0.011	
S_A2.2FRST	STORAGE	0.507	0.507	0	05:30	1.82	1.82	-0.012	
S_A3	STORAGE	0.000	10.190	0	05:15	0	267	0.035	
S_A3.1FRST	STORAGE	3.486	3.486	0	05:15	11.7	11.7	-0.004	
S_A3.2FRST	STORAGE	2.259	2.259	0	05:30	5.86	5.86	-0.006	
S_A3.3FRST	STORAGE	4.759	4.759	0	05:30	12.6	12.6	-0.004	
S_A4	STORAGE	0.000	20.918	0	08:15	0	1.06e+03	0.002	
S_A4.1FRST	STORAGE	1.893	1.893	0	05:15	4.74	4.74	-0.004	
S_A4.2FRST	STORAGE	4.670	4.670	0	05:15	15.2	15.2	-0.006	
S_A4.3FRST	STORAGE	2.926	2.926	0	05:30	5.49	5.49	-0.014	
S_A4.4FRST	STORAGE	5.232	5.232	0	05:30	12	12	-0.008	
S_A4.5FRST	STORAGE	4.426	4.426	0	05:15	15.7	15.7	-0.015	
S_A4.6FRST	STORAGE	19.938	19.938	0	05:30	39.6	39.6	-0.007	
S_B1	STORAGE	0.000	5.772	0	05:16	0	56.5	0.001	
S_B1.1FRST	STORAGE	1.113	1.113	0	05:15	4.25	4.25	-0.010	
S_B2	STORAGE	0.000	10.023	0	04:42	0	134	0.002	
S_B2.1FRST	STORAGE	2.375	2.375	0	05:15	9.77	9.77	-0.009	
S_C1	STORAGE	0.000	11.084	0	05:15	0	188	-0.028	
S_C1.1FRST	STORAGE	0.771	0.771	0	05:30	2.34	2.34	-0.014	
S_D1	STORAGE	0.000	10.797	0	05:15	0	175	-0.012	
S_D1.1FRST	STORAGE	12.044	12.044	0	05:30	23	23	-0.017	
S_D2	STORAGE	0.000	7.503	0	05:15	0	310	-0.006	
S_D2.1FRST	STORAGE	6.756	6.756	0	05:30	13.3	13.3	-0.016	
S_D3	STORAGE	0.000	10.741	0	09:00	0	458	0.001	
S_D4	STORAGE	0.000	7.866	0	05:15	0	363	0.001	

S_D4.1FRST	STORAGE	5.240	5.240	0	05:30	9.99	9.99	-0.005
S_E1	STORAGE	0.000	20.122	0	17:02	0	1.53e+03	0.014
S_E1.1FRST	STORAGE	9.033	9.033	0	05:30	25.9	25.9	-0.007
S_E2	STORAGE	0.000	18.233	0	20:15	0	1.54e+03	0.001
S_E2.1FRST	STORAGE	0.261	0.261	0	05:15	0.909	0.909	-0.007

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

Node	Hours Flooded	Maximum Rate CMS	Time of Max Occurrence days hr:min	Total Flood Volume 10^6 ltr	Maximum Ponded Depth Meters
S_A1.1FRST	0.81	0.752	0 05:15	1.049	0.000
S_A2.1FRST	0.79	0.678	0 05:15	0.818	0.000
S_A2.2FRST	0.61	0.307	0 05:30	0.458	0.000
S_A3.1FRST	0.84	2.495	0 05:15	3.769	0.000
S_A3.2FRST	0.68	1.707	0 05:30	1.929	0.000
S_A3.3FRST	0.40	3.816	0 05:30	3.203	0.000
S_A4.1FRST	0.35	1.393	0 05:15	0.993	0.000
S_A4.2FRST	0.75	3.489	0 05:15	4.309	0.000
S_A4.3FRST	0.62	2.405	0 05:30	2.425	0.000
S_A4.4FRST	0.86	4.439	0 05:30	6.506	0.000
S_A4.5FRST	0.89	3.145	0 05:15	4.939	0.000
S_A4.6FRST	0.89	16.988	0 05:30	20.964	0.000
S_B1.1FRST	0.83	0.733	0 05:15	1.138	0.000
S_B2.1FRST	0.42	1.565	0 05:15	1.259	0.000
S_C1.1FRST	0.64	0.511	0 05:30	0.649	0.000
S_D1.1FRST	0.79	10.467	0 05:30	12.495	0.000
S_D2.1FRST	0.84	5.842	0 05:30	7.048	0.000
S_D4.1FRST	0.67	4.427	0 05:30	4.885	0.000
S_E1.1FRST	0.61	7.248	0 05:30	8.321	0.000
S_E2.1FRST	0.34	0.171	0 05:15	0.116	0.000

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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
S_A1	0.054	0	0	0	0.923	1	0 05:16	4.741

S_A1.1FRST	0.006	3	0	0	0.200	100	0	04:43	0.360
S_A2	2.160	1	0	0	20.122	7	0	07:28	5.490
S_A2.1FRST	0.006	3	0	0	0.200	100	0	04:46	0.290
S_A2.2FRST	0.005	2	0	0	0.200	100	0	05:02	0.200
S_A3	4.124	0	0	0	19.464	1	0	07:26	8.124
S_A3.1FRST	0.024	3	0	0	0.800	100	0	04:47	0.990
S_A3.2FRST	0.019	3	0	0	0.700	100	0	05:00	0.550
S_A3.3FRST	0.128	4	0	0	3.400	100	0	05:17	0.940
S_A4	25.352	1	0	0	68.461	4	0	09:14	20.551
S_A4.1FRST	0.026	3	0	0	0.900	100	0	05:07	0.500
S_A4.2FRST	0.061	4	0	0	1.700	100	0	04:53	1.180
S_A4.3FRST	0.005	2	0	0	0.200	100	0	04:55	0.520
S_A4.4FRST	0.006	3	0	0	0.200	100	0	04:51	0.790
S_A4.5FRST	0.026	3	0	0	0.800	100	0	04:43	1.280
S_A4.6FRST	0.006	3	0	0	0.200	100	0	04:50	2.940
S_B1	0.080	0	0	0	1.283	3	0	05:19	5.732
S_B1.1FRST	0.006	3	0	0	0.200	100	0	04:42	0.380
S_B2	2.783	4	0	0	22.208	29	0	05:24	6.979
S_B2.1FRST	0.073	4	0	0	2.000	100	0	05:09	0.810
S_C1	0.531	1	0	0	4.704	8	0	05:25	10.551
S_C1.1FRST	0.004	2	0	0	0.200	100	0	05:01	0.260
S_D1	1.293	0	0	0	12.975	5	0	06:12	8.523
S_D1.1FRST	0.006	3	0	0	0.200	100	0	04:50	1.570
S_D2	0.938	0	0	0	3.585	1	0	05:21	6.313
S_D2.1FRST	0.006	3	0	0	0.200	100	0	04:52	0.910
S_D3	6.577	5	0	0	26.915	22	0	09:47	10.643
S_D4	2.737	4	0	0	8.258	12	0	05:19	7.414
S_D4.1FRST	0.005	3	0	0	0.200	100	0	04:53	0.810
S_E1	15.961	26	0	0	30.998	50	0	15:08	24.442
S_E1.1FRST	0.208	4	0	0	5.600	100	0	05:05	1.780
S_E2	2.364	11	0	0	4.054	20	0	21:08	17.750
S_E2.1FRST	0.006	3	0	0	0.200	100	0	05:11	0.090

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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
A1_OVERFLOW	7.26	6.041	11.852	75.358
A2_OVERFLOW	9.51	4.627	7.765	75.708
A3_OVERFLOW	24.41	18.622	37.107	754.190
A4_OVERFLOW	57.34	89.781	206.605	8053.180
B1_OVERFLOW	4.95	4.776	9.488	40.201
B2_OVERFLOW	14.08	21.199	39.664	510.712
C1_OVERFLOW	14.59	22.003	53.911	552.270
D1_OVERFLOW	14.39	15.472	38.917	381.850
D2_OVERFLOW	41.06	6.170	18.868	410.841
D3_OVERFLOW	39.65	36.132	65.892	2241.610
D4_OVERFLOW	42.44	13.104	26.733	882.547
E1_OVERFLOW	79.12	173.117	312.656	20339.032
E2_OVERFLOW	79.68	88.122	151.418	10355.441
HanlonCreek	99.76	10.472	17.699	1587.175

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System                37.73   509.636    17.699   46260.115
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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
1	CONDUIT	9.399	0 05:15	4.22	0.10	0.27
10	CONDUIT	14.410	0 05:33	1.54	0.68	0.91
11	CONDUIT	17.127	0 05:15	4.48	0.32	0.42
12	CONDUIT	6.979	0 06:28	3.58	0.58	0.69
13	CONDUIT	5.732	0 05:19	3.27	0.06	0.22
14	CONDUIT	5.732	0 05:20	2.19	0.05	0.36
15	CONDUIT	9.121	0 05:31	2.87	0.10	0.63
16	CONDUIT	57.508	0 05:15	4.54	0.57	0.90
17	CONDUIT	9.820	0 05:31	1.79	0.12	0.80
18	CONDUIT	91.660	0 05:15	10.64	0.85	0.71
19	CONDUIT	20.630	0 09:17	4.58	0.19	0.46
2	CONDUIT	4.741	0 05:22	2.10	0.03	0.30
20	CONDUIT	20.645	0 09:10	3.85	0.19	0.54
21	CONDUIT	31.992	0 05:18	4.84	0.39	0.57
22	CONDUIT	24.442	0 17:30	3.44	0.62	0.65
23	CONDUIT	25.660	0 14:35	4.46	0.91	0.55
24	CONDUIT	17.750	0 21:08	6.38	0.09	0.31
25	CONDUIT	0.000	0 00:00	0.00	0.00	0.24
26	CONDUIT	10.646	0 09:58	3.09	0.36	0.38
27	CONDUIT	25.929	0 05:15	6.45	0.22	0.43
28	CONDUIT	8.523	0 06:12	3.82	0.08	0.27
29	CONDUIT	6.312	0 05:21	3.28	0.07	0.24
3	CONDUIT	9.180	0 05:15	3.19	0.19	0.32
30	CONDUIT	6.312	0 05:21	3.26	0.06	0.24
31	CONDUIT	6.313	0 05:23	2.77	0.07	0.27
32	CONDUIT	7.414	0 05:19	2.99	0.15	0.29
33	CONDUIT	7.413	0 05:19	3.41	0.07	0.26
34	CONDUIT	7.409	0 05:20	3.46	0.07	0.27
35	CONDUIT	10.638	0 05:16	2.37	0.09	0.45
36	CONDUIT	4.403	0 05:15	2.89	0.06	0.22
37	CONDUIT	10.643	0 09:52	2.36	0.16	0.45
38	CONDUIT	8.522	0 06:13	3.65	0.07	0.28
39	CONDUIT	7.503	0 05:15	3.41	0.14	0.26
4	CONDUIT	5.490	0 07:34	2.73	0.05	0.25
40	CONDUIT	6.313	0 05:21	3.41	0.05	0.23
41	CONDUIT	17.733	0 21:08	3.48	0.12	0.49
43	CONDUIT	0.590	0 05:15	0.54	0.01	0.16
44	CONDUIT	20.918	0 08:15	4.22	0.30	0.52
45	CONDUIT	206.605	0 08:15	12.86	0.37	0.54
46	CONDUIT	11.852	0 05:15	13.31	0.00	0.03
47	CONDUIT	20.551	0 09:14	4.45	0.22	0.46
48	CONDUIT	6.095	0 05:16	3.60	0.07	0.23
49	CONDUIT	7.765	0 05:16	3.27	0.02	0.08
5	CONDUIT	5.492	0 07:34	2.62	0.08	0.30

50	CONDUIT	10.190	0	05:15	4.05	0.22	0.30
51	CONDUIT	37.107	0	05:15	4.58	0.12	0.27
52	CONDUIT	5.772	0	05:16	2.89	0.07	0.24
53	CONDUIT	9.488	0	05:16	4.06	0.02	0.08
54	CONDUIT	11.084	0	05:15	3.19	0.15	0.37
55	CONDUIT	53.911	0	05:15	6.37	0.13	0.28
56	CONDUIT	39.664	0	05:27	6.71	0.07	0.20
57	CONDUIT	7.235	0	05:45	3.66	0.08	0.35
58	CONDUIT	10.741	0	09:00	2.87	0.18	0.43
59	CONDUIT	65.892	0	09:39	6.40	0.18	0.34
6	CONDUIT	13.571	0	05:15	3.84	0.14	0.38
60	CONDUIT	10.797	0	05:15	3.71	0.19	0.33
61	CONDUIT	38.917	0	05:15	4.51	0.13	0.29
62	CONDUIT	18.868	0	05:15	3.50	0.06	0.18
63	CONDUIT	6.467	0	07:15	2.50	0.08	0.30
64	CONDUIT	26.733	0	06:40	6.19	0.04	0.14
65	CONDUIT	18.233	0	20:15	5.00	0.23	0.39
66	CONDUIT	151.418	0	20:44	12.34	0.24	0.41
67	CONDUIT	312.656	0	15:09	17.17	0.45	0.61
68	CONDUIT	20.122	0	17:02	2.98	0.14	0.63
7	CONDUIT	8.124	0	07:26	2.81	0.06	0.61
70	CONDUIT	17.699	0	21:11	2.73	0.71	0.58
8	CONDUIT	81.877	0	05:14	5.26	0.80	0.77
9	CONDUIT	10.551	0	05:25	2.47	0.13	0.44
PWOPRSES0001498	CONDUIT	0.475	0	05:15	1.47	0.05	0.16
PWOPRSES0001507	CONDUIT	0.813	0	05:15	1.78	0.09	0.20
PWOPRSES0001510	CONDUIT	0.482	0	05:15	1.33	0.04	0.17
PWOPRSES0001511	CONDUIT	0.391	0	05:15	1.46	0.04	0.14
PWOPRSES0001512	CONDUIT	0.000	0	00:00	0.00	0.00	0.02
PWOPRSES0001515	CONDUIT	0.000	0	00:00	0.00	0.00	0.02
PWOPRSES0001516	CONDUIT	0.315	0	05:15	2.17	0.02	0.09
PWOPRSES0001518	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
PWOPRSES0001519	CONDUIT	1.642	0	05:15	1.94	0.11	0.24
PWOPRSES0001520	CONDUIT	0.359	0	05:15	1.31	0.04	0.14
PWOPRSES0001521	CONDUIT	0.359	0	05:15	1.41	0.04	0.14
PWOPRSES0001522	CONDUIT	0.172	0	05:15	1.05	0.02	0.10
PWOPRSES0001524	CONDUIT	0.188	0	05:15	1.78	0.01	0.07
PWOPRSES0001525	CONDUIT	0.441	0	05:15	1.46	0.05	0.15
PWOPRSES0001530	CONDUIT	1.295	0	05:15	1.67	0.08	0.23
PWOPRSES0001534	CONDUIT	2.755	0	05:15	1.76	0.19	0.37
PWOPRSES0001535	CONDUIT	2.515	0	05:15	2.07	0.15	0.31
PWOPRSES0001536	CONDUIT	2.083	0	05:15	2.13	0.13	0.27
PWOPRSES0001537	CONDUIT	2.084	0	05:15	2.13	0.13	0.27
PWOPRSES0001538	CONDUIT	0.441	0	05:15	1.09	0.02	0.19
PWOPRSES0001541	CONDUIT	0.475	0	05:15	1.52	0.05	0.16
PWOPRSES0001542	CONDUIT	0.474	0	05:15	1.60	0.04	0.15
PWOPRSES0001543	CONDUIT	0.698	0	05:15	0.56	0.01	0.35
PWOPRSES0001544	CONDUIT	0.996	0	05:15	0.97	0.03	0.20
PWOPRSES0001545	CONDUIT	0.461	0	05:15	1.48	0.05	0.16
PWOPRSES0001546	CONDUIT	1.782	0	05:15	3.94	0.06	0.20
PWOPRSES0001547	CONDUIT	1.547	0	05:15	2.34	0.11	0.26
PWOPRSES0001548	CONDUIT	0.090	0	05:15	2.32	0.00	0.04
PWOPRSES0001551	CONDUIT	1.547	0	05:15	2.94	0.07	0.22
PWOPRSES0001555	CONDUIT	1.943	0	05:15	5.69	0.06	0.17
PWOPRSES0001556	CONDUIT	2.083	0	05:15	3.45	0.06	0.26
PWOPRSES0001557	CONDUIT	1.496	0	05:13	2.73	0.02	0.33
PWOPRSES0001558	CONDUIT	5.053	0	05:15	1.73	0.26	0.58

PWOPRSES0001559	CONDUIT	4.915	0	05:15	4.15	0.14	0.41
PWOPRSES0001564	CONDUIT	2.090	0	05:14	2.84	0.07	0.44
PWOPRSES0001565	CONDUIT	8.149	0	05:15	2.45	0.60	0.64
PWOPRSES0001566	CONDUIT	6.019	0	05:14	1.81	0.39	0.64
PWOPRSES0001567	CONDUIT	0.104	0	05:15	1.33	0.00	0.07
PWOPRSES0001571	CONDUIT	0.000	0	00:00	0.00	0.00	0.06
PWOPRSES0001572	CONDUIT	4.346	0	05:15	4.85	0.20	0.33
PWOPRSES0001575	CONDUIT	3.807	0	05:15	2.07	0.23	0.41
PWOPRSES0001576	CONDUIT	1.053	0	05:15	1.18	0.12	0.33
PWOPRSES0001577	CONDUIT	2.754	0	05:15	1.65	0.15	0.38
PWOPRSES0001579	CONDUIT	0.315	0	05:15	2.08	0.02	0.09
PWOPRSES0001580	CONDUIT	0.389	0	05:15	2.35	0.02	0.10
PWOPRSES0001581	CONDUIT	0.389	0	05:15	1.83	0.03	0.12
PWOPRSES0001582	CONDUIT	0.474	0	05:15	1.77	0.04	0.14
PWOPRSES0001583	CONDUIT	0.000	0	00:00	0.00	0.00	0.03
PWOPRSES0001584	CONDUIT	0.219	0	05:15	2.08	0.01	0.07
PWOPRSES0001585	CONDUIT	0.474	0	05:15	1.49	0.04	0.16
PWOPRSES0001586	CONDUIT	0.339	0	05:15	1.77	0.02	0.11
PWOPRSES0001587	CONDUIT	0.693	0	05:15	1.92	0.05	0.17
PWOPRSES0001633	CONDUIT	0.454	0	05:15	1.78	0.05	0.14
PWOPRSES0001634	CONDUIT	0.076	0	05:15	1.23	0.00	0.05
PWOPRSES0001654	CONDUIT	2.971	0	05:15	2.05	0.32	0.47
PWOPRSES0001655	CONDUIT	3.849	0	05:15	3.13	0.28	0.41
PWOPRSES0001656	CONDUIT	4.030	0	05:15	3.61	0.31	0.39
PWOPRSES0001658	CONDUIT	2.787	0	05:15	1.99	0.32	0.46
PWOPRSES0001660	CONDUIT	3.265	0	05:15	2.15	0.40	0.49
PWOPRSES0001662	CONDUIT	0.420	0	05:15	1.89	0.02	0.14
PWOPRSES0001663	CONDUIT	0.420	0	05:15	1.86	0.03	0.12
PWOPRSES0001667	CONDUIT	5.006	0	05:15	2.53	0.35	0.62
PWOPRSES0001679	CONDUIT	0.249	0	05:15	1.70	0.01	0.13
PWOPRSES0001680	CONDUIT	0.652	0	05:15	2.59	0.02	0.17
PWOPRSES0001681	CONDUIT	0.569	0	05:15	4.10	0.02	0.09
PWOPRSES0001682	CONDUIT	1.714	0	05:15	2.32	0.17	0.29
PWOPRSES0001684	CONDUIT	0.357	0	05:15	1.57	0.03	0.14
PWOPRSES0001687	CONDUIT	0.206	0	05:15	2.07	0.01	0.07
PWOPRSES0001688	CONDUIT	0.921	0	05:15	3.37	0.04	0.14
PWOPRSES0001698	CONDUIT	0.921	0	05:15	2.88	0.04	0.16
PWOPRSES0001699	CONDUIT	0.921	0	05:15	2.69	0.04	0.17
PWOPRSES0001711	CONDUIT	0.728	0	05:15	1.73	0.07	0.19
PWOPRSES0001712	CONDUIT	0.391	0	05:15	1.82	0.02	0.15
PWOPRSES0001713	CONDUIT	1.211	0	05:15	1.54	0.12	0.30
PWOPRSES0001718	CONDUIT	1.020	0	05:01	1.28	0.16	0.34
PWOPRSES0001720	CONDUIT	0.213	0	05:15	1.50	0.02	0.10
PWOPRSES0001721	CONDUIT	0.545	0	05:15	1.32	0.06	0.21
PWOPRSES0001724	CONDUIT	6.715	0	05:15	1.91	0.45	0.63
PWOPRSES0001725	CONDUIT	6.715	0	05:15	1.90	0.34	0.64
PWOPRSES0001728	CONDUIT	7.008	0	05:15	2.39	0.34	0.56
PWOPRSES0001730	CONDUIT	8.282	0	05:15	4.60	0.45	0.40
PWOPRSES0001732	CONDUIT	0.206	0	05:15	1.84	0.01	0.08
PWOPRSES0001733	CONDUIT	1.273	0	05:15	1.58	0.33	0.30
PWOPRSES0001744	CONDUIT	3.111	0	05:15	1.85	0.30	0.53
PWOPRSES0001745	CONDUIT	2.381	0	05:15	3.56	0.09	0.27
PWOPRSES0001747	CONDUIT	0.112	0	05:15	2.18	0.00	0.05
PWOPRSES0001748	CONDUIT	2.650	0	05:15	2.15	0.14	0.42
PWOPRSES0001750	CONDUIT	3.943	0	05:15	1.83	0.31	0.65
PWOPRSES0001753	CONDUIT	3.888	0	05:15	1.86	0.26	0.63
PWOPRSES0001754	CONDUIT	0.115	0	05:15	1.09	0.01	0.12

PWOPRSES0001755	CONDUIT	3.049	0	05:15	1.80	0.34	0.53
PWOPRSES0001756	CONDUIT	3.111	0	05:15	2.04	0.34	0.50
PWOPRSES0001757	CONDUIT	3.032	0	05:15	1.95	0.32	0.50
PWOPRSES0001758	CONDUIT	0.121	0	05:15	1.13	0.01	0.09
PWOPRSES0001759	CONDUIT	3.207	0	05:15	1.97	0.27	0.53
PWOPRSES0001760	CONDUIT	3.322	0	05:15	2.22	0.30	0.53
PWOPRSES0001761	CONDUIT	0.402	0	05:15	1.32	0.04	0.22
PWOPRSES0001765A	CONDUIT	1.064	0	05:15	1.19	0.12	0.35
PWOPRSES0001765B	CONDUIT	2.116	0	05:15	2.04	0.23	0.40
PWOPRSES0001766	CONDUIT	1.056	0	05:15	2.68	0.06	0.21
PWOPRSES0001768	CONDUIT	0.605	0	05:15	2.01	0.04	0.21
PWOPRSES0001770	CONDUIT	0.775	0	05:15	1.93	0.06	0.19
PWOPRSES0001771	CONDUIT	0.545	0	05:15	2.90	0.01	0.13
PWOPRSES0001774	CONDUIT	3.320	0	05:02	1.01	0.39	0.69
PWOPRSES0001775	CONDUIT	4.618	0	05:02	1.11	0.04	0.51
PWOPRSES0001776	CONDUIT	1.251	0	05:13	0.83	0.13	0.63
PWOPRSES0001777	CONDUIT	0.356	0	05:15	1.26	0.03	0.15
PWOPRSES0001778	CONDUIT	0.711	0	05:14	1.29	0.10	0.41
PWOPRSES0001779	CONDUIT	5.266	0	05:14	2.47	0.08	0.46
PWOPRSES0001780	CONDUIT	0.498	0	05:13	1.33	0.04	0.37
PWOPRSES0001781	CONDUIT	0.029	0	05:20	0.11	0.00	0.23
PWOPRSES0001782	CONDUIT	0.679	0	05:14	1.41	0.07	0.29
PWOPRSES0001783	CONDUIT	0.317	0	05:15	1.51	0.03	0.12
PWOPRSES0001784	CONDUIT	6.757	0	05:15	2.61	0.69	0.77
PWOPRSES0001785	CONDUIT	4.644	0	05:14	2.67	0.41	0.54
PWOPRSES0001786	CONDUIT	0.623	0	05:15	1.61	0.06	0.19
PWOPRSES0001790	CONDUIT	0.460	0	05:11	1.01	0.06	0.27
PWOPRSES0001791	CONDUIT	1.537	0	05:16	1.72	0.14	0.46
PWOPRSES0001797	CONDUIT	6.755	0	05:15	2.74	0.89	0.73
PWOPRSES0001798	CONDUIT	6.825	0	05:15	4.60	0.11	0.33
PWOPRSES0001803	CONDUIT	0.622	0	04:34	0.73	0.08	0.52
PWOPRSES0001806	CONDUIT	1.499	0	05:15	2.52	0.11	0.25
PWOPRSES0001807	CONDUIT	3.968	0	04:46	1.99	0.35	0.54
PWOPRSES0001808	CONDUIT	0.133	0	05:15	1.40	0.01	0.07
PWOPRSES0001809	CONDUIT	1.379	0	05:15	2.06	0.13	0.28
PWOPRSES0001810	CONDUIT	0.000	0	00:00	0.00	0.00	0.09
PWOPRSES0001812	CONDUIT	1.500	0	05:14	1.67	0.13	0.37
PWOPRSES0001819	CONDUIT	0.806	0	05:15	2.54	0.04	0.16
PWOPRSES0001821	CONDUIT	1.168	0	05:15	2.61	0.07	0.21
PWOPRSES0001822	CONDUIT	0.363	0	05:15	3.32	0.01	0.08
PWOPRSES0001823	CONDUIT	1.477	0	05:15	1.59	0.17	0.34
PWOPRSES0001824	CONDUIT	3.904	0	05:15	2.25	0.49	0.54
PWOPRSES0001825	CONDUIT	2.252	0	05:15	2.00	0.27	0.39
PWOPRSES0001826	CONDUIT	1.548	0	05:15	1.51	0.37	0.36
PWOPRSES0001827	CONDUIT	2.365	0	05:15	1.85	0.28	0.43
PWOPRSES0001828	CONDUIT	2.423	0	05:15	1.95	0.23	0.42
PWOPRSES0001829	CONDUIT	6.617	0	05:15	1.93	0.12	0.38
PWOPRSES0001840	CONDUIT	2.226	0	05:02	1.75	0.18	0.53
PWOPRSES0001841	CONDUIT	5.059	0	05:02	2.98	0.27	0.64
PWOPRSES0001842	CONDUIT	3.185	0	04:59	2.82	0.11	0.60
PWOPRSES0001844	CONDUIT	0.213	0	05:15	1.48	0.01	0.14
PWOPRSES0001845	CONDUIT	0.464	0	05:15	1.60	0.04	0.17
PWOPRSES0001855	CONDUIT	1.532	0	05:15	3.35	0.07	0.20
PWOPRSES0001856	CONDUIT	0.589	0	05:15	3.36	0.02	0.10
PWOPRSES0001861	CONDUIT	0.165	0	05:15	1.59	0.01	0.07
PWOPRSES0001862	CONDUIT	0.449	0	05:15	2.24	0.02	0.12
PWOPRSES0001865	CONDUIT	0.861	0	05:15	2.02	0.08	0.19

PWOPRSES0001866	CONDUIT	0.696	0	05:15	3.81	0.02	0.11
PWOPRSES0001868	CONDUIT	0.552	0	05:15	0.98	0.07	0.24
PWOPRSES0001890	CONDUIT	1.026	0	05:15	2.53	0.07	0.22
PWOPRSES0001891	CONDUIT	0.921	0	05:15	2.33	0.06	0.18
PWOPRSES0001892	CONDUIT	0.361	0	05:15	1.13	0.04	0.21
PWOPRSES0001895	CONDUIT	0.621	0	05:15	2.35	0.03	0.14
PWOPRSES0001896	CONDUIT	0.647	0	05:15	2.83	0.03	0.13
PWOPRSES0001897	CONDUIT	0.647	0	05:15	2.29	0.03	0.15
PWOPRSES0001899	CONDUIT	0.461	0	05:15	2.02	0.02	0.13
PWOPRSES0001900	CONDUIT	0.461	0	05:15	1.99	0.02	0.13
PWOPRSES0001904	CONDUIT	0.921	0	05:15	1.26	0.07	0.32
PWOPRSES0001905	CONDUIT	2.472	0	05:15	1.56	0.26	0.51
PWOPRSES0001906	CONDUIT	1.411	0	05:15	1.13	0.14	0.45
PWOPRSES0001919	CONDUIT	0.003	0	05:16	0.03	0.00	0.10
PWOPRSES0001930	CONDUIT	0.614	0	05:15	1.66	0.06	0.18
PWOPRSES0001931	CONDUIT	1.204	0	05:15	1.71	0.18	0.28
PWOPRSES0001932	CONDUIT	0.000	0	00:00	0.00	0.00	0.06
PWOPRSES0001941	CONDUIT	1.257	0	05:15	3.18	0.05	0.18
PWOPRSES0001942	CONDUIT	0.912	0	05:15	3.53	0.04	0.14
PWOPRSES0001943	CONDUIT	0.912	0	05:15	2.06	0.08	0.20
PWOPRSES0001944	CONDUIT	0.912	0	05:15	2.13	0.08	0.19
PWOPRSES0001951	CONDUIT	0.000	0	00:00	0.00	0.00	0.08
PWOPRSES0001952	CONDUIT	0.632	0	05:15	1.83	0.06	0.17
PWOPRSES0001960	CONDUIT	0.632	0	05:15	1.87	0.06	0.16
PWOPRSES0001961	CONDUIT	1.142	0	05:15	2.73	0.06	0.19
PWOPRSES0001962	CONDUIT	1.525	0	05:07	1.60	0.15	0.39
PWOPRSES0001963	CONDUIT	0.504	0	05:15	1.70	0.02	0.23
PWOPRSES0001968	CONDUIT	0.504	0	05:15	4.66	0.01	0.08
PWOPRSES0001972	CONDUIT	0.550	0	05:15	1.38	0.06	0.18
PWOPRSES0001976	CONDUIT	8.518	0	05:16	3.00	0.70	0.56
PWOPRSES0001977	CONDUIT	1.056	0	05:15	2.10	0.08	0.22
PWOPRSES0001978	CONDUIT	9.940	0	05:15	3.91	0.26	0.40
PWOPRSES0001979	CONDUIT	1.056	0	05:15	2.32	0.06	0.20
PWOPRSES0001984	CONDUIT	8.244	0	05:15	2.73	0.59	0.59
PWOPRSES0002119	CONDUIT	0.721	0	05:15	1.71	0.07	0.19
PWOPRSES0002120	CONDUIT	0.842	0	05:15	1.33	0.07	0.26
PWOPRSES0002121	CONDUIT	0.721	0	05:15	1.20	0.10	0.25
PWOPRSES0002122	CONDUIT	1.061	0	05:15	1.66	0.08	0.28
PWOPRSES0003435	CONDUIT	2.280	0	05:15	2.82	0.10	0.30
PWOPRSES0003436	CONDUIT	2.310	0	05:15	2.47	0.21	0.34
PWOPRSES0003439	CONDUIT	0.000	0	00:00	0.00	0.00	0.04
PWOPRSES0003446	CONDUIT	1.914	0	05:15	1.93	0.28	0.35
PWOPRSES0003447	CONDUIT	1.914	0	05:15	4.67	0.05	0.19
PWOPRSES0003448	CONDUIT	1.914	0	05:15	3.08	0.08	0.25
PWOPRSES0003449	CONDUIT	2.170	0	05:15	3.74	0.10	0.24
PWOPRSES0003457	CONDUIT	0.775	0	05:15	1.72	0.06	0.20
PWOPRSES0003465	CONDUIT	0.451	0	05:15	2.36	0.02	0.14
PWOPRSES0003466	CONDUIT	1.412	0	05:15	1.73	0.13	0.31
PWOPRSES0004584	CONDUIT	1.045	0	05:15	3.38	0.04	0.15
PWOPRSES0004585	CONDUIT	1.045	0	05:15	2.77	0.03	0.18
PWOPRSES0004586	CONDUIT	1.125	0	05:15	2.48	0.07	0.20
PWOPRSES0004587	CONDUIT	0.477	0	05:15	1.26	0.04	0.18
PWOPRSES0004588	CONDUIT	1.040	0	05:15	1.96	0.11	0.23
PWOPRSES0004589	CONDUIT	0.734	0	05:15	2.45	0.03	0.15
PWOPRSES0004590	CONDUIT	1.081	0	05:15	2.10	0.06	0.23
PWOPRSES0004591	CONDUIT	3.088	0	05:15	2.32	0.15	0.33
PWOPRSES0004592	CONDUIT	3.436	0	05:15	2.43	0.16	0.34

PWOPRSES0004593	CONDUIT	0.350	0	05:15	1.45	0.01	0.22
PWOPRSES0004594	CONDUIT	3.815	0	05:15	1.70	0.19	0.47
PWOPRSES0004597	CONDUIT	0.000	0	00:00	0.00	0.00	0.05
PWOPRSES0004603	CONDUIT	0.519	0	05:15	1.85	0.04	0.15
PWOPRSES0004637	CONDUIT	0.826	0	05:15	3.38	0.04	0.13
PWOPRSES0005529	CONDUIT	0.013	0	05:15	0.44	0.00	0.06
PWOPRSES0005530	CONDUIT	0.007	0	05:15	0.80	0.00	0.05
PWOPRSES0005531	CONDUIT	0.544	0	05:15	1.34	0.10	0.19
PWOPRSES0005532	CONDUIT	0.606	0	05:07	0.78	0.05	0.41
PWOPRSES0005534	CONDUIT	4.645	0	05:14	2.41	0.50	0.59
PWOPRSES0005535	CONDUIT	0.064	0	05:15	1.02	0.01	0.05
PWOPRSES0005536	CONDUIT	0.192	0	05:15	2.14	0.01	0.07
PWOPRSES0005537	CONDUIT	0.192	0	05:15	1.58	0.01	0.10
PWOPRSES0005539	CONDUIT	0.265	0	05:15	1.33	0.02	0.12
PWOPRSES0005540	CONDUIT	0.666	0	05:15	2.00	0.04	0.16
PWOPRSES0005541	CONDUIT	0.666	0	05:15	2.56	0.04	0.14
PWOPRSES0005710	CONDUIT	8.489	0	05:15	4.64	0.08	0.24
PWOPRSES0005734	CONDUIT	0.026	0	05:15	0.48	0.00	0.17
PWOPRSES0005735	CONDUIT	1.965	0	05:15	2.25	0.20	0.32
PWOPRSES0005736	CONDUIT	1.876	0	05:15	2.86	0.12	0.26
PWOPRSES0005739	CONDUIT	1.204	0	05:15	2.84	0.04	0.19
PWOPRSES0005744	CONDUIT	0.649	0	05:15	1.58	0.03	0.19
PWOPRSES0005766	CONDUIT	2.133	0	05:15	2.57	0.18	0.31
PWOPRSES0005767	CONDUIT	2.211	0	05:15	2.64	0.21	0.31
PWOPRSES0005768	CONDUIT	2.344	0	05:15	2.80	0.20	0.31
PWOPRSES0005769	CONDUIT	2.860	0	05:15	0.78	0.04	0.52
PWOPRSES0005770	CONDUIT	0.403	0	05:15	1.56	0.03	0.14
PWOPRSES0005771	CONDUIT	0.451	0	05:15	1.24	0.02	0.17
PWOPRSES0006537	CONDUIT	0.111	0	05:15	0.53	0.01	0.12
PWOPRSES0006538	CONDUIT	0.000	0	00:00	0.00	0.00	0.10
PWOPRSES0006542	CONDUIT	0.139	0	05:15	1.10	0.01	0.08
PWOPRSES0006547	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
PWOPRSES0006548	CONDUIT	0.000	0	00:00	0.00	0.00	0.02
PWOPRSES0006549	CONDUIT	0.608	0	05:15	1.83	0.05	0.16
PWOPRSES0006550	CONDUIT	0.744	0	05:15	1.79	0.08	0.19
PWOPRSES0006551	CONDUIT	0.366	0	05:15	1.53	0.03	0.13
PWOPRSES0006552	CONDUIT	1.241	0	05:15	1.88	0.12	0.26
PWOPRSES0006553	CONDUIT	2.295	0	05:15	1.88	0.07	0.23
PWOPRSES0006554	CONDUIT	0.558	0	05:15	1.79	0.03	0.17
PWOPRSES0006555	CONDUIT	0.237	0	05:15	0.87	0.02	0.15
PWOPRSES0006576	CONDUIT	0.360	0	05:15	1.64	0.03	0.12
PWOPRSES0006577	CONDUIT	0.471	0	05:15	1.80	0.04	0.14
STMEasement	CONDUIT	0.801	0	05:15	1.34	0.07	0.25
SWMPOND_OUT	CONDUIT	5.264	0	04:34	1.42	0.14	0.64
OUT_A1.1FRST	DUMMY	0.360	0	04:38			
OUT_A2.1FRST	DUMMY	0.290	0	04:39			
OUT_A2.2FRST	DUMMY	0.200	0	04:49			
OUT_A3.1FRST	DUMMY	0.990	0	04:40			
OUT_A3.2FRST	DUMMY	0.550	0	04:49			
OUT_A3.3FRST	DUMMY	0.940	0	04:54			
OUT_A4.1FRST	DUMMY	0.500	0	04:41			
OUT_A4.2FRST	DUMMY	1.180	0	04:42			
OUT_A4.3FRST	DUMMY	0.520	0	04:51			
OUT_A4.4FRST	DUMMY	0.790	0	04:47			
OUT_A4.5FRST	DUMMY	1.280	0	04:38			
OUT_A4.6FRST	DUMMY	2.940	0	04:48			
OUT_B1.1FRST	DUMMY	0.380	0	04:36			

OUT_B2.1FRST	DUMMY	0.810	0	04:41
OUT_C1.1FRST	DUMMY	0.260	0	04:54
OUT_D1.1FRST	DUMMY	1.570	0	04:48
OUT_D2.1FRST	DUMMY	0.910	0	04:49
OUT_D4.1FRST	DUMMY	0.810	0	04:49
OUT_E1.1FRST	DUMMY	1.780	0	04:49
OUT_E2.1FRST	DUMMY	0.090	0	04:42

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Flow Classification Summary
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	Adjusted	---------- Fraction of Time in Flow Class ----------								
Conduit	/Actual Length	Dry	Up Dry	Down Dry	Sub Crit	Sup Crit	Up Crit	Down Crit	Norm Ltd	Inlet Ctrl
1	1.00	0.56	0.01	0.00	0.37	0.06	0.00	0.00	0.97	0.00
10	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.76	0.00
11	1.00	0.10	0.00	0.00	0.87	0.03	0.00	0.00	0.06	0.00
12	1.00	0.37	0.01	0.00	0.44	0.18	0.00	0.00	0.90	0.00
13	1.00	0.14	0.00	0.00	0.71	0.15	0.00	0.00	0.04	0.00
14	1.00	0.10	0.10	0.00	0.80	0.00	0.00	0.00	0.99	0.00
15	1.00	0.34	0.03	0.00	0.46	0.17	0.00	0.00	0.85	0.00
16	1.00	0.00	0.41	0.00	0.57	0.03	0.00	0.00	0.97	0.00
17	1.00	0.00	0.34	0.00	0.66	0.00	0.00	0.00	0.92	0.00
18	1.00	0.00	0.00	0.00	0.86	0.14	0.00	0.00	0.91	0.00
19	1.00	0.00	0.00	0.00	0.16	0.83	0.00	0.00	0.72	0.00
2	1.00	0.13	0.44	0.00	0.43	0.00	0.00	0.00	0.93	0.00
20	1.00	0.00	0.00	0.00	0.74	0.26	0.00	0.00	0.75	0.00
21	1.00	0.00	0.00	0.00	0.87	0.13	0.00	0.00	0.04	0.00
22	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.46	0.00
23	1.00	0.00	0.00	0.00	0.69	0.30	0.00	0.00	0.01	0.00
24	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.97	0.00
25	1.00	0.29	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	1.00	0.00	0.00	0.00	0.84	0.16	0.00	0.00	0.23	0.00
27	1.00	0.29	0.00	0.00	0.64	0.06	0.00	0.00	0.24	0.00
28	1.00	0.43	0.12	0.00	0.21	0.24	0.00	0.00	0.93	0.00
29	1.00	0.12	0.00	0.00	0.38	0.50	0.00	0.00	0.27	0.00
3	1.00	0.13	0.00	0.00	0.85	0.03	0.00	0.00	0.06	0.00
30	1.00	0.10	0.03	0.00	0.38	0.50	0.00	0.00	0.96	0.00
31	1.00	0.09	0.00	0.00	0.73	0.17	0.00	0.00	0.29	0.00
32	1.00	0.07	0.00	0.00	0.48	0.45	0.00	0.00	0.00	0.00
33	1.00	0.10	0.01	0.00	0.37	0.52	0.00	0.00	0.65	0.00
34	1.00	0.10	0.00	0.00	0.38	0.52	0.00	0.00	0.54	0.00
35	1.00	0.00	0.10	0.00	0.89	0.01	0.00	0.00	0.96	0.00
36	1.00	0.56	0.00	0.00	0.23	0.22	0.00	0.00	0.08	0.00
37	1.00	0.00	0.34	0.00	0.66	0.00	0.00	0.00	0.72	0.00
38	1.00	0.16	0.27	0.00	0.44	0.13	0.00	0.00	0.99	0.00
39	1.00	0.12	0.04	0.00	0.41	0.43	0.00	0.00	0.48	0.00
4	1.00	0.37	0.13	0.00	0.31	0.19	0.00	0.00	0.88	0.00
40	1.00	0.12	0.00	0.00	0.36	0.52	0.00	0.00	0.72	0.00
41	1.00	0.00	0.00	0.00	0.40	0.60	0.00	0.00	0.99	0.00
43	1.00	0.64	0.00	0.00	0.36	0.00	0.00	0.00	0.22	0.00
44	1.00	0.00	0.00	0.00	0.42	0.58	0.00	0.00	0.76	0.00
45	1.00	0.43	0.00	0.00	0.00	0.57	0.00	0.00	0.19	0.00

46	10.96	0.93	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00
47	1.00	0.00	0.00	0.00	0.26	0.74	0.00	0.00	0.20	0.00
48	1.00	0.51	0.02	0.00	0.34	0.13	0.00	0.00	0.86	0.00
49	1.00	0.90	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00
5	1.00	0.16	0.22	0.00	0.54	0.09	0.00	0.00	0.86	0.00
50	1.00	0.00	0.21	0.00	0.54	0.25	0.00	0.00	0.77	0.00
51	1.00	0.76	0.00	0.00	0.00	0.24	0.00	0.00	0.06	0.00
52	1.00	0.14	0.54	0.00	0.22	0.10	0.00	0.00	0.90	0.00
53	1.20	0.95	0.00	0.00	0.00	0.05	0.00	0.00	0.02	0.00
54	1.00	0.30	0.28	0.00	0.28	0.14	0.00	0.00	0.81	0.00
55	1.00	0.85	0.00	0.00	0.00	0.14	0.00	0.00	0.07	0.00
56	1.00	0.86	0.00	0.00	0.00	0.14	0.00	0.00	0.06	0.00
57	1.00	0.38	0.11	0.00	0.46	0.05	0.00	0.00	0.85	0.00
58	1.00	0.34	0.11	0.00	0.52	0.02	0.00	0.00	0.67	0.00
59	1.00	0.60	0.00	0.00	0.00	0.40	0.00	0.00	0.16	0.00
6	1.00	0.16	0.00	0.00	0.80	0.04	0.00	0.00	0.48	0.00
60	1.00	0.55	0.06	0.00	0.25	0.14	0.00	0.00	0.77	0.00
61	1.00	0.86	0.00	0.00	0.00	0.14	0.00	0.00	0.02	0.00
62	1.00	0.59	0.00	0.00	0.00	0.41	0.00	0.00	0.07	0.00
63	1.00	0.07	0.09	0.00	0.83	0.02	0.00	0.00	0.69	0.00
64	1.27	0.58	0.00	0.00	0.00	0.42	0.00	0.00	0.15	0.00
65	1.17	0.00	0.00	0.00	0.14	0.86	0.00	0.00	0.52	0.00
66	1.49	0.20	0.00	0.00	0.00	0.80	0.00	0.00	0.23	0.00
67	1.68	0.21	0.00	0.00	0.00	0.79	0.00	0.00	0.29	0.00
68	1.46	0.00	0.00	0.00	0.97	0.03	0.00	0.00	0.47	0.00
7	1.00	0.00	0.00	0.00	0.82	0.17	0.00	0.00	0.99	0.00
70	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
8	1.00	0.00	0.00	0.00	0.88	0.12	0.00	0.00	0.00	0.00
9	1.00	0.00	0.30	0.00	0.70	0.00	0.00	0.00	0.82	0.00
PWOPRSES0001498	1.00	0.00	0.00	0.00	0.10	0.05	0.00	0.85	0.00	0.00
PWOPRSES0001507	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001510	1.00	0.00	0.00	0.00	0.03	0.01	0.00	0.96	0.00	0.00
PWOPRSES0001511	1.00	0.00	0.00	0.00	0.00	0.19	0.00	0.80	0.00	0.00
PWOPRSES0001512	1.00	0.98	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001515	1.00	0.97	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001516	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001518	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001519	1.00	0.77	0.00	0.00	0.05	0.00	0.00	0.19	0.00	0.00
PWOPRSES0001520	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001521	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001522	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001524	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001525	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001530	1.00	0.77	0.00	0.00	0.22	0.00	0.00	0.01	0.16	0.00
PWOPRSES0001534	1.00	0.72	0.04	0.00	0.20	0.00	0.00	0.03	0.90	0.00
PWOPRSES0001535	1.00	0.76	0.00	0.00	0.24	0.00	0.00	0.00	0.98	0.00
PWOPRSES0001536	1.00	0.76	0.00	0.00	0.05	0.00	0.00	0.19	0.00	0.00
PWOPRSES0001537	1.00	0.77	0.00	0.00	0.22	0.00	0.00	0.02	0.00	0.00
PWOPRSES0001538	1.00	0.77	0.01	0.00	0.23	0.00	0.00	0.00	1.00	0.00
PWOPRSES0001541	1.00	0.00	0.77	0.00	0.18	0.05	0.00	0.00	0.12	0.00
PWOPRSES0001542	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001543	1.00	0.00	0.74	0.00	0.26	0.00	0.00	0.00	0.98	0.00
PWOPRSES0001544	1.00	0.10	0.62	0.00	0.29	0.00	0.00	0.00	0.98	0.00
PWOPRSES0001545	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001546	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001547	1.00	0.00	0.00	0.00	0.00	0.09	0.00	0.91	0.00	0.00
PWOPRSES0001548	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00

PWOPRSES0001551	1.00	0.00	0.00	0.00	0.00	0.05	0.00	0.95	0.00	0.00
PWOPRSES0001555	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001556	1.00	0.00	0.77	0.00	0.00	0.23	0.00	0.00	1.00	0.00
PWOPRSES0001557	1.65	0.00	0.00	0.00	0.02	0.01	0.00	0.97	0.00	0.00
PWOPRSES0001558	1.00	0.00	0.00	0.00	0.24	0.01	0.00	0.76	0.01	0.00
PWOPRSES0001559	1.00	0.00	0.75	0.00	0.01	0.24	0.00	0.00	1.00	0.00
PWOPRSES0001564	1.00	0.00	0.00	0.00	0.02	0.01	0.00	0.97	0.00	0.00
PWOPRSES0001565	1.00	0.75	0.00	0.00	0.25	0.00	0.00	0.00	0.83	0.00
PWOPRSES0001566	1.00	0.00	0.00	0.00	0.12	0.00	0.00	0.88	0.00	0.00
PWOPRSES0001567	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.01	0.00
PWOPRSES0001571	1.00	0.86	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001572	1.00	0.00	0.00	0.00	0.75	0.25	0.00	0.00	0.00	0.00
PWOPRSES0001575	1.00	0.07	0.46	0.00	0.47	0.00	0.00	0.00	0.78	0.00
PWOPRSES0001576	1.00	0.53	0.07	0.00	0.40	0.00	0.00	0.00	0.78	0.00
PWOPRSES0001577	1.00	0.53	0.14	0.00	0.33	0.00	0.00	0.00	0.81	0.00
PWOPRSES0001579	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001580	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001581	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.00	0.00
PWOPRSES0001582	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001583	1.12	0.95	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001584	1.13	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001585	1.00	0.00	0.00	0.00	0.93	0.07	0.00	0.00	0.91	0.00
PWOPRSES0001586	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001587	1.00	0.76	0.01	0.00	0.11	0.12	0.00	0.00	0.96	0.00
PWOPRSES0001633	1.00	0.00	0.00	0.00	0.78	0.22	0.00	0.00	0.82	0.00
PWOPRSES0001634	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001654	1.00	0.00	0.00	0.00	0.05	0.01	0.00	0.95	0.00	0.00
PWOPRSES0001655	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0001656	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001658	1.00	0.00	0.76	0.00	0.24	0.00	0.00	0.00	0.89	0.00
PWOPRSES0001660	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001662	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0001663	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001667	1.00	0.00	0.00	0.00	0.02	0.07	0.00	0.91	0.01	0.00
PWOPRSES0001679	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.01	0.00
PWOPRSES0001680	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0001681	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001682	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0001684	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0001687	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.97	0.00	0.00
PWOPRSES0001688	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001698	1.00	0.00	0.77	0.00	0.01	0.22	0.00	0.00	0.09	0.00
PWOPRSES0001699	1.00	0.00	0.00	0.00	0.00	0.03	0.00	0.97	0.00	0.00
PWOPRSES0001711	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0001712	1.51	0.00	0.00	0.00	0.02	0.01	0.00	0.97	0.00	0.00
PWOPRSES0001713	1.00	0.00	0.00	0.00	0.06	0.01	0.00	0.94	0.00	0.00
PWOPRSES0001718	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.01	0.00
PWOPRSES0001720	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001721	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.01	0.00
PWOPRSES0001724	1.00	0.76	0.00	0.00	0.24	0.00	0.00	0.00	0.08	0.00
PWOPRSES0001725	1.00	0.76	0.00	0.00	0.06	0.00	0.00	0.18	0.00	0.00
PWOPRSES0001728	1.00	0.76	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00
PWOPRSES0001730	1.00	0.76	0.00	0.00	0.12	0.11	0.00	0.00	0.00	0.00
PWOPRSES0001732	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001733	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001744	1.00	0.00	0.00	0.00	0.06	0.02	0.00	0.92	0.00	0.00
PWOPRSES0001745	1.16	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00

PWOPRSES0001747	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001748	1.00	0.00	0.00	0.00	0.03	0.06	0.00	0.92	0.06	0.00
PWOPRSES0001750	1.00	0.00	0.00	0.00	0.10	0.03	0.00	0.87	0.00	0.00
PWOPRSES0001753	1.00	0.00	0.76	0.00	0.07	0.16	0.00	0.00	0.84	0.00
PWOPRSES0001754	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.01	0.00
PWOPRSES0001755	1.00	0.00	0.00	0.00	0.05	0.08	0.00	0.86	0.00	0.00
PWOPRSES0001756	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001757	1.00	0.00	0.00	0.00	0.03	0.00	0.00	0.97	0.00	0.00
PWOPRSES0001758	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.01	0.00
PWOPRSES0001759	1.00	0.00	0.00	0.00	0.04	0.05	0.00	0.91	0.00	0.00
PWOPRSES0001760	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001761	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001765A	1.00	0.00	0.77	0.00	0.23	0.00	0.00	0.00	0.98	0.00
PWOPRSES0001765B	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001766	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0001768	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001770	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001771	1.20	0.00	0.00	0.00	0.00	0.03	0.00	0.97	0.00	0.00
PWOPRSES0001774	1.00	0.74	0.00	0.00	0.26	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001775	1.00	0.10	0.65	0.00	0.25	0.00	0.00	0.00	0.92	0.00
PWOPRSES0001776	1.00	0.00	0.00	0.00	0.23	0.00	0.00	0.76	0.15	0.00
PWOPRSES0001777	1.00	0.00	0.00	0.00	0.04	0.07	0.00	0.89	0.02	0.00
PWOPRSES0001778	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001779	1.00	0.74	0.00	0.00	0.23	0.00	0.00	0.03	0.17	0.00
PWOPRSES0001780	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.97	0.00	0.00
PWOPRSES0001781	1.00	0.86	0.11	0.00	0.03	0.00	0.00	0.00	0.93	0.00
PWOPRSES0001782	1.00	0.00	0.00	0.00	0.04	0.01	0.00	0.94	0.01	0.00
PWOPRSES0001783	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001784	1.00	0.00	0.00	0.00	0.05	0.03	0.00	0.91	0.00	0.00
PWOPRSES0001785	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001786	2.09	0.00	0.00	0.00	0.03	0.02	0.00	0.96	0.00	0.00
PWOPRSES0001790	1.00	0.00	0.00	0.00	0.05	0.06	0.00	0.89	0.01	0.00
PWOPRSES0001791	1.00	0.00	0.77	0.00	0.15	0.09	0.00	0.00	0.83	0.00
PWOPRSES0001797	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001798	1.00	0.74	0.00	0.00	0.04	0.10	0.00	0.13	0.07	0.00
PWOPRSES0001803	1.00	0.72	0.04	0.00	0.23	0.00	0.00	0.00	0.97	0.00
PWOPRSES0001806	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.97	0.00	0.00
PWOPRSES0001807	1.00	0.72	0.04	0.00	0.23	0.00	0.00	0.00	0.83	0.00
PWOPRSES0001808	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001809	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.97	0.00	0.00
PWOPRSES0001810	1.00	0.97	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001812	1.00	0.00	0.00	0.00	0.08	0.01	0.00	0.91	0.03	0.00
PWOPRSES0001819	1.00	0.00	0.00	0.00	0.00	0.03	0.00	0.97	0.01	0.00
PWOPRSES0001821	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0001822	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001823	1.00	0.00	0.00	0.00	0.03	0.00	0.00	0.97	0.00	0.00
PWOPRSES0001824	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001825	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.97	0.00	0.00
PWOPRSES0001826	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001827	1.00	0.00	0.00	0.00	0.03	0.00	0.00	0.97	0.00	0.00
PWOPRSES0001828	1.00	0.00	0.76	0.00	0.24	0.00	0.00	0.00	0.85	0.00
PWOPRSES0001829	1.00	0.10	0.66	0.00	0.24	0.00	0.00	0.00	0.99	0.00
PWOPRSES0001840	1.00	0.00	0.00	0.00	0.06	0.00	0.00	0.94	0.01	0.00
PWOPRSES0001841	1.25	0.74	0.02	0.00	0.23	0.00	0.00	0.00	0.95	0.00
PWOPRSES0001842	1.36	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.16	0.00
PWOPRSES0001844	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.97	0.01	0.00
PWOPRSES0001845	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.01	0.00

PWOPRSES0001855	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001856	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001861	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001862	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0001865	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001866	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001868	1.00	0.00	0.77	0.00	0.23	0.00	0.00	0.00	0.91	0.00
PWOPRSES0001890	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0001891	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001892	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001895	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001896	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001897	1.00	0.00	0.00	0.00	0.78	0.22	0.00	0.00	0.91	0.00
PWOPRSES0001899	1.04	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001900	1.00	0.00	0.00	0.00	0.78	0.22	0.00	0.00	0.14	0.00
PWOPRSES0001904	1.00	0.00	0.00	0.00	0.05	0.01	0.00	0.94	0.02	0.00
PWOPRSES0001905	1.00	0.00	0.00	0.00	0.05	0.00	0.00	0.95	0.00	0.00
PWOPRSES0001906	1.00	0.00	0.00	0.00	0.08	0.00	0.00	0.92	0.03	0.00
PWOPRSES0001919	1.00	0.92	0.06	0.00	0.03	0.00	0.00	0.00	0.92	0.00
PWOPRSES0001930	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001931	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.97	0.00	0.00
PWOPRSES0001932	1.00	0.97	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001941	1.00	0.00	0.00	0.00	0.00	0.08	0.00	0.92	0.03	0.00
PWOPRSES0001942	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001943	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001944	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001951	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001952	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001960	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001961	1.00	0.00	0.00	0.00	0.00	0.03	0.00	0.97	0.00	0.00
PWOPRSES0001962	1.00	0.00	0.00	0.00	0.08	0.00	0.00	0.91	0.03	0.00
PWOPRSES0001963	1.00	0.00	0.00	0.00	0.03	0.02	0.00	0.95	0.03	0.00
PWOPRSES0001968	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001972	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001976	1.00	0.64	0.06	0.00	0.20	0.00	0.00	0.10	0.89	0.00
PWOPRSES0001977	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0001978	1.00	0.00	0.61	0.00	0.35	0.04	0.00	0.00	0.80	0.00
PWOPRSES0001979	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001984	1.00	0.70	0.04	0.00	0.25	0.00	0.00	0.00	0.93	0.00
PWOPRSES0002119	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.00	0.00
PWOPRSES0002120	1.00	0.00	0.00	0.00	0.03	0.01	0.00	0.95	0.00	0.00
PWOPRSES0002121	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.97	0.00	0.00
PWOPRSES0002122	1.00	0.00	0.00	0.00	0.02	0.01	0.00	0.97	0.00	0.00
PWOPRSES0003435	1.00	0.00	0.00	0.00	0.00	0.05	0.00	0.95	0.00	0.00
PWOPRSES0003436	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0003439	1.00	0.93	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0003446	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0003447	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0003448	1.27	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0003449	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0003457	1.00	0.00	0.77	0.00	0.11	0.12	0.00	0.00	0.91	0.00
PWOPRSES0003465	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0003466	1.00	0.00	0.00	0.00	0.04	0.03	0.00	0.93	0.00	0.00
PWOPRSES0004584	1.04	0.00	0.00	0.00	0.77	0.23	0.00	0.00	0.00	0.00
PWOPRSES0004585	1.00	0.00	0.77	0.00	0.01	0.22	0.00	0.00	1.00	0.00
PWOPRSES0004586	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0004587	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.97	0.00	0.00

PWOPRSES0004588	1.00	0.00	0.77	0.00	0.11	0.12	0.00	0.00	0.00	0.00
PWOPRSES0004589	1.00	0.00	0.77	0.00	0.00	0.22	0.00	0.00	0.99	0.00
PWOPRSES0004590	1.00	0.00	0.00	0.00	0.00	0.06	0.00	0.94	0.00	0.00
PWOPRSES0004591	1.00	0.77	0.00	0.00	0.23	0.00	0.00	0.00	1.00	0.00
PWOPRSES0004592	1.00	0.77	0.00	0.00	0.12	0.00	0.00	0.11	0.00	0.00
PWOPRSES0004593	2.35	0.00	0.00	0.00	0.03	0.02	0.00	0.95	0.00	0.00
PWOPRSES0004594	1.00	0.00	0.76	0.00	0.23	0.00	0.00	0.00	1.00	0.00
PWOPRSES0004597	1.00	0.97	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0004603	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0004637	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005529	1.00	0.00	0.00	0.00	0.14	0.01	0.00	0.85	0.10	0.00
PWOPRSES0005530	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.01	0.00
PWOPRSES0005531	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005532	1.00	0.00	0.76	0.00	0.24	0.00	0.00	0.00	0.99	0.00
PWOPRSES0005534	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.97	0.00	0.00
PWOPRSES0005535	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005536	1.15	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005537	1.00	0.00	0.00	0.00	0.01	0.04	0.00	0.95	0.03	0.00
PWOPRSES0005539	1.00	0.03	0.00	0.00	0.02	0.01	0.00	0.94	0.00	0.00
PWOPRSES0005540	1.42	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005541	1.00	0.00	0.00	0.00	0.86	0.14	0.00	0.00	0.00	0.00
PWOPRSES0005710	1.00	0.68	0.09	0.00	0.20	0.04	0.00	0.00	0.95	0.00
PWOPRSES0005734	1.00	0.00	0.00	0.00	0.22	0.00	0.00	0.78	0.16	0.00
PWOPRSES0005735	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0005736	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.97	0.00	0.00
PWOPRSES0005739	1.00	0.00	0.78	0.00	0.01	0.21	0.00	0.00	1.00	0.00
PWOPRSES0005744	1.00	0.00	0.78	0.00	0.17	0.05	0.00	0.00	0.98	0.00
PWOPRSES0005766	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0005767	1.00	0.00	0.00	0.00	0.00	0.10	0.00	0.90	0.00	0.00
PWOPRSES0005768	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005769	1.00	0.00	0.73	0.00	0.26	0.00	0.00	0.00	0.99	0.00
PWOPRSES0005770	1.00	0.00	0.77	0.00	0.09	0.14	0.00	0.00	0.01	0.00
PWOPRSES0005771	1.48	0.00	0.00	0.00	0.07	0.05	0.00	0.88	0.02	0.00
PWOPRSES0006537	1.00	0.00	0.77	0.00	0.23	0.00	0.00	0.00	0.98	0.00
PWOPRSES0006538	1.00	0.95	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0006542	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0006547	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0006548	1.00	0.98	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0006549	1.00	0.00	0.00	0.00	0.00	0.03	0.00	0.97	0.00	0.00
PWOPRSES0006550	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0006551	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0006552	1.00	0.00	0.00	0.00	0.09	0.12	0.00	0.79	0.00	0.00
PWOPRSES0006553	1.00	0.10	0.58	0.00	0.32	0.00	0.00	0.00	0.98	0.00
PWOPRSES0006554	1.00	0.00	0.00	0.00	0.00	0.04	0.00	0.96	0.00	0.00
PWOPRSES0006555	1.00	0.00	0.00	0.00	0.05	0.01	0.00	0.93	0.05	0.00
PWOPRSES0006576	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0006577	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
STMEasement	1.00	0.60	0.16	0.00	0.24	0.00	0.00	0.00	1.00	0.00
SWMPOND_OUT	1.00	0.00	0.72	0.00	0.27	0.00	0.00	0.00	0.96	0.00

****
Conduit Surcharge Summary
****

	Hours	Hours

I.09 PCSWMM Output for the 100-Year AES Storm for Scenario 9

```
                        --------- Hours Full --------   Above Full   Capacity
Conduit                 Both Ends  Upstream  Dnstream   Normal Flow   Limited
---------------------------------------------------------------------------
16                           0.01      0.01      0.83      0.01         0.01
7                            0.01      0.01      0.83      0.01         0.01


Analysis begun on:  Fri Jan 14 16:42:18 2022
Analysis ended on:  Fri Jan 14 16:42:49 2022
Total elapsed time: 00:00:31
```

```
EPA STORM WATER MANAGEMENT MODEL - VERSION 5.1 (Build 5.1.013)
--------------------------------------------------------------

Climate Change Model of Scenario 5

WARNING 03: negative offset ignored for Link 1
WARNING 03: negative offset ignored for Link 1
WARNING 03: negative offset ignored for Link 10
WARNING 03: negative offset ignored for Link 10
WARNING 03: negative offset ignored for Link 11
WARNING 03: negative offset ignored for Link 11
WARNING 03: negative offset ignored for Link 12
WARNING 03: negative offset ignored for Link 12
WARNING 03: negative offset ignored for Link 13
WARNING 03: negative offset ignored for Link 13
WARNING 03: negative offset ignored for Link 14
WARNING 03: negative offset ignored for Link 14
WARNING 03: negative offset ignored for Link 15
WARNING 03: negative offset ignored for Link 15
WARNING 03: negative offset ignored for Link 17
WARNING 03: negative offset ignored for Link 17
WARNING 03: negative offset ignored for Link 18
WARNING 03: negative offset ignored for Link 18
WARNING 03: negative offset ignored for Link 19
WARNING 03: negative offset ignored for Link 19
WARNING 03: negative offset ignored for Link 2
WARNING 03: negative offset ignored for Link 2
WARNING 03: negative offset ignored for Link 20
WARNING 03: negative offset ignored for Link 20
WARNING 03: negative offset ignored for Link 21
WARNING 03: negative offset ignored for Link 21
WARNING 03: negative offset ignored for Link 22
WARNING 03: negative offset ignored for Link 22
WARNING 03: negative offset ignored for Link 23
WARNING 03: negative offset ignored for Link 23
WARNING 03: negative offset ignored for Link 24
WARNING 03: negative offset ignored for Link 24
WARNING 03: negative offset ignored for Link 25
WARNING 03: negative offset ignored for Link 25
WARNING 03: negative offset ignored for Link 26
WARNING 03: negative offset ignored for Link 26
WARNING 03: negative offset ignored for Link 27
WARNING 03: negative offset ignored for Link 27
WARNING 03: negative offset ignored for Link 28
WARNING 03: negative offset ignored for Link 28
WARNING 03: negative offset ignored for Link 29
WARNING 03: negative offset ignored for Link 29
WARNING 03: negative offset ignored for Link 3
WARNING 03: negative offset ignored for Link 3
WARNING 03: negative offset ignored for Link 30
WARNING 03: negative offset ignored for Link 30
WARNING 03: negative offset ignored for Link 31
WARNING 03: negative offset ignored for Link 31
WARNING 03: negative offset ignored for Link 32
WARNING 03: negative offset ignored for Link 32
WARNING 03: negative offset ignored for Link 33
```

```
WARNING 03: negative offset ignored for Link 33
WARNING 03: negative offset ignored for Link 34
WARNING 03: negative offset ignored for Link 34
WARNING 03: negative offset ignored for Link 35
WARNING 03: negative offset ignored for Link 35
WARNING 03: negative offset ignored for Link 36
WARNING 03: negative offset ignored for Link 37
WARNING 03: negative offset ignored for Link 37
WARNING 03: negative offset ignored for Link 38
WARNING 03: negative offset ignored for Link 38
WARNING 03: negative offset ignored for Link 39
WARNING 03: negative offset ignored for Link 39
WARNING 03: negative offset ignored for Link 4
WARNING 03: negative offset ignored for Link 4
WARNING 03: negative offset ignored for Link 40
WARNING 03: negative offset ignored for Link 40
WARNING 03: negative offset ignored for Link 41
WARNING 03: negative offset ignored for Link 41
WARNING 03: negative offset ignored for Link 44
WARNING 03: negative offset ignored for Link 44
WARNING 03: negative offset ignored for Link 45
WARNING 03: negative offset ignored for Link 46
WARNING 03: negative offset ignored for Link 47
WARNING 03: negative offset ignored for Link 5
WARNING 03: negative offset ignored for Link 5
WARNING 03: negative offset ignored for Link 51
WARNING 03: negative offset ignored for Link 6
WARNING 03: negative offset ignored for Link 6
WARNING 03: negative offset ignored for Link 7
WARNING 03: negative offset ignored for Link 7
WARNING 03: negative offset ignored for Link 8
WARNING 03: negative offset ignored for Link 8
WARNING 03: negative offset ignored for Link 9
WARNING 03: negative offset ignored for Link 9
WARNING 03: negative offset ignored for Link PWOPRSES0001978
WARNING 02: maximum depth increased for Node 11
WARNING 02: maximum depth increased for Node 13
WARNING 02: maximum depth increased for Node 22
WARNING 02: maximum depth increased for Node 24
WARNING 02: maximum depth increased for Node 36
WARNING 02: maximum depth increased for Node 8
WARNING 02: maximum depth increased for Node 9
WARNING 02: maximum depth increased for Node PWOPRMHS0001401
WARNING 02: maximum depth increased for Node PWOPRMHS0001402
WARNING 02: maximum depth increased for Node PWOPRMHS0001602
WARNING 02: maximum depth increased for Node PWOPRMHS0001611
WARNING 02: maximum depth increased for Node PWOPRMHS0001662
WARNING 02: maximum depth increased for Node PWOPRMHS0001670
WARNING 02: maximum depth increased for Node PWOPRMHS0001688
WARNING 02: maximum depth increased for Node PWOPRMHS0004129
WARNING 02: maximum depth increased for Node PWOPRMHS0004130
WARNING 02: maximum depth increased for Node PWOPRMHS0004141
WARNING 02: maximum depth increased for Node PWOPRMHS0005230
WARNING 02: maximum depth increased for Node PWOPRMHS0005930
WARNING 02: maximum depth increased for Node PWOPRMHS0005931
WARNING 02: maximum depth increased for Node PWOPRMHS0005945
WARNING 02: maximum depth increased for Node SWMPOND
```

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

****************
Analysis Options
****************
Flow Units ............... CMS
Process Models:
  Rainfall/Runoff ........ YES
  RDII ................... NO
  Snowmelt ............... NO
  Groundwater ............ NO
  Flow Routing ........... YES
  Ponding Allowed ........ NO
  Water Quality .......... NO
Infiltration Method ...... GREEN_AMPT
Flow Routing Method ...... DYNWAVE
Surcharge Method ......... EXTRAN
Starting Date ............ 09/01/2021 00:00:00
Ending Date .............. 09/04/2021 00:00:00
Antecedent Dry Days ...... 0.0
Report Time Step ......... 00:05:00
Wet Time Step ............ 00:05:00
Dry Time Step ............ 00:15:00
Routing Time Step ........ 5.00 sec
Variable Time Step ....... YES
Maximum Trials ........... 8
Number of Threads ........ 4
Head Tolerance ........... 0.001500 m


**************************        Volume         Depth
Runoff Quantity Continuity     hectare-m            mm
**************************     ---------       -------
Initial LID Storage ......        12.619         7.423
Total Precipitation ......       293.580       172.690
Outfall Runon ............      6346.976      3733.431
Evaporation Loss .........         2.438         1.434
Infiltration Loss ........       114.438        67.315
Surface Runoff ...........      6516.791      3833.320
Final Storage ............        23.290        13.700
Continuity Error (%) .....        -0.057


**************************        Volume        Volume
Flow Routing Continuity        hectare-m      10^6 ltr
**************************     ---------     ---------
Dry Weather Inflow .......         0.000         0.000
Wet Weather Inflow .......      6516.752     65168.203
Groundwater Inflow .......         0.000         0.000
RDII Inflow ..............         0.000         0.000
External Inflow ..........         0.000         0.000
External Outflow .........      6516.062     65161.296
```

```
Flooding Loss ............         0.013         0.125
Evaporation Loss .........         0.024         0.244
Exfiltration Loss ........         0.000         0.000
Initial Stored Volume ....         0.000         0.001
Final Stored Volume ......         0.629         6.288
Continuity Error (%) .....         0.000


*************************
Highest Continuity Errors
*************************
Node PWOPRMHS0001642 (2.29%)
Node PWOPRMHS0001402 (1.65%)
Node PWOPRMHS0001611 (1.45%)
Node PWOPRMHS0001643 (-1.34%)
Node PWOPRMHS0001614 (-1.26%)


***************************
Time-Step Critical Elements
***************************
Link 65 (59.64%)
Link 67 (30.04%)
Link PWOPRSES0001824 (3.22%)


********************************
Highest Flow Instability Indexes
********************************
Link 65 (15)
Link 23 (9)
Link 67 (7)
Link 21 (6)
Link 66 (5)


*************************
Routing Time Step Summary
*************************
Minimum Time Step           :     0.51 sec
Average Time Step           :     1.84 sec
Maximum Time Step           :     5.00 sec
Percent in Steady State     :     0.00
Average Iterations per Step :     2.07
Percent Not Converging      :     0.20


***************************
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
-----------------------------------------------------------------------------------------------------------------------
A1                      172.69    2369.16       1.73      83.32     781.85    1693.05    2442.57      204.65    29.72   0.961
```

A1.1	172.69	0.00	1.35	33.04	52.96	85.47	138.43	59.27	9.04	0.802
A1.1_FRST	172.69	0.00	0.96	58.18	8.54	105.14	113.68	4.14	0.74	0.658
A2	172.69	1393.36	1.69	88.49	401.89	1091.98	1460.73	167.86	22.57	0.933
A2.1	172.69	0.00	0.96	55.34	34.16	82.35	116.51	15.03	2.60	0.675
A2.1_FRST	172.69	0.00	0.74	75.30	8.54	88.24	96.78	3.17	0.63	0.560
A2.2	172.69	0.00	1.21	39.26	58.08	74.29	132.36	11.18	1.76	0.766
A2.2_FRST	172.69	0.00	0.74	74.82	8.54	88.73	97.27	2.16	0.43	0.563
A3	172.69	2437.97	2.45	142.65	694.30	1806.71	2434.48	1382.18	110.60	0.933
A3.1	172.69	0.00	1.25	37.25	37.57	96.72	134.30	8.66	1.36	0.778
A3.1_FRST	172.69	0.00	0.76	77.03	8.54	86.46	95.00	12.53	2.48	0.550
A3.2	172.69	0.00	1.25	38.24	61.50	71.85	133.35	43.10	6.74	0.772
A3.2_FRST	172.69	0.00	0.70	88.12	8.54	75.43	83.97	6.21	1.30	0.486
A3.3	172.69	0.00	1.28	37.24	39.29	94.99	134.28	94.29	14.68	0.778
A3.3_FRST	172.69	0.00	0.70	95.32	8.54	68.21	76.75	13.15	2.67	0.444
A4	172.69	11386.11	4.18	207.03	4591.97	6839.46	11281.32	11339.71	589.71	0.976
A4.1	172.69	0.00	1.21	37.32	34.15	100.20	134.34	1.38	0.22	0.778
A4.1_FRST	172.69	0.00	0.72	81.79	8.54	81.76	90.29	4.99	1.03	0.523
A4.2	172.69	0.00	1.33	33.95	49.54	88.00	137.54	13.49	2.07	0.796
A4.2_FRST	172.69	0.00	0.88	69.35	8.54	94.00	102.54	16.56	3.00	0.594
A4.3	172.69	0.00	1.55	22.94	104.22	44.18	148.40	69.70	10.02	0.859
A4.3_FRST	172.69	0.00	0.65	95.83	8.54	67.78	76.31	6.19	1.37	0.442
A4.4_FRST	172.69	0.00	0.67	103.86	8.54	59.70	68.24	12.72	2.60	0.395
A4.5	172.69	0.00	1.34	33.92	49.54	88.02	137.56	149.67	22.95	0.797
A4.5_FRST	172.69	0.00	1.00	60.17	8.54	103.08	111.62	16.77	2.93	0.646
A4.6	172.69	0.00	1.34	41.99	88.85	40.70	129.55	192.99	30.36	0.750
A4.6_FRST	172.69	0.00	0.69	98.97	8.54	64.57	73.11	44.42	9.01	0.423
B1	172.69	2524.62	1.46	52.51	430.19	2221.51	2639.65	81.43	19.61	0.979
B1.1	172.69	0.00	1.22	37.72	34.15	99.75	133.90	1.34	0.21	0.775
B1.1_FRST	172.69	0.00	1.17	48.01	8.54	115.07	123.61	4.58	0.76	0.716
B2	172.69	26943.51	1.54	71.36	3794.67	23261.50	27373.56	797.07	86.65	1.009
B2.1	172.69	0.00	1.14	42.29	18.78	110.60	129.38	8.38	1.36	0.749
B2.1_FRST	172.69	0.00	1.18	48.20	8.54	114.87	123.40	9.95	1.65	0.715
C1	172.69	59468.20	2.78	104.60	36358.04	23213.74	59698.42	1883.56	223.79	1.001
C1.1	172.69	0.00	1.57	22.98	104.22	44.12	148.33	182.90	26.31	0.859
C1.1_FRST	172.69	0.00	0.77	69.64	8.54	93.87	102.41	2.86	0.55	0.593
D1	172.69	5333.37	2.70	101.30	3335.13	2103.53	5371.88	706.68	101.61	0.976
D1.1	172.69	0.00	1.46	38.77	104.22	28.46	132.67	158.97	24.37	0.768
D1.1_FRST	172.69	0.00	0.78	89.26	8.54	74.17	82.71	25.09	4.44	0.479
D2	172.69	83.98	2.36	87.07	121.83	73.44	142.75	25.08	6.77	0.556
D2.1	172.69	0.00	1.37	44.28	92.25	34.98	127.23	66.47	10.50	0.737
D2.1_FRST	172.69	0.00	0.73	94.51	8.54	68.97	77.51	14.75	2.74	0.449
D3	172.69	101603.07	3.98	168.39	61028.29	40646.66	101550.68	5698.96	211.35	0.998
D3.1	172.69	0.00	1.44	38.15	102.51	30.80	133.31	48.17	7.38	0.772
D4	172.69	42767.91	2.82	161.20	15019.94	27787.29	42755.95	1504.99	65.22	0.996
D4.1	172.69	0.00	1.36	43.38	90.55	37.60	128.14	30.00	4.73	0.742
D4.1_FRST	172.69	0.00	0.70	92.13	8.54	71.40	79.94	10.91	2.21	0.463
E1	172.69	887560.36	4.76	265.77	159774.36	727772.70	887606.89	25989.90	938.91	1.000
E1.1	172.69	0.00	0.97	57.29	39.29	75.26	114.55	20.63	3.59	0.663
E1.1_FRST	172.69	0.00	0.77	90.09	8.54	73.37	81.91	26.91	4.94	0.474
E2	172.69	1765147.31	3.86	196.78	335395.28	1429746.02	1766512.42	13881.16	380.76	1.001
E2.1	172.69	0.00	1.22	38.67	32.45	100.47	132.92	12.33	1.95	0.770
E2.1_FRST	172.69	0.00	0.92	57.88	8.54	105.52	114.06	0.99	0.18	0.660
E3	172.69	84.72	1.42	101.29	52.77	116.91	141.69	19.87	6.54	0.550
E3.1	172.69	0.00	0.93	58.77	37.57	75.56	113.13	25.81	4.55	0.655
E3.1_FRST	172.69	0.00	0.72	81.15	8.54	82.39	90.93	11.88	2.44	0.527
HC01-01	172.69	0.00	1.03	52.25	49.01	70.54	119.55	7.44	1.26	0.692
HC01-02	172.69	0.00	0.98	54.41	42.35	75.11	117.46	2.67	0.46	0.680

HC01-03	172.69	0.00	0.98	54.52	42.35	74.98	117.33	1.41	0.24	0.679
HC01-04	172.69	0.00	0.90	59.93	33.13	78.87	111.99	2.79	0.50	0.649
HC01-05	172.69	0.00	0.98	54.34	42.35	75.18	117.52	2.94	0.50	0.681
HC01-06	172.69	0.00	0.98	54.52	42.35	74.98	117.33	1.55	0.27	0.679
HC01-07	172.69	0.00	1.00	55.18	42.36	74.28	116.64	0.82	0.14	0.675
HC01-08	172.69	0.00	0.98	54.45	42.35	75.06	117.41	0.61	0.10	0.680
HC01-09	172.69	0.00	0.99	54.81	42.35	74.67	117.02	0.77	0.13	0.678
HC01-10	172.69	0.00	0.98	54.53	42.35	74.97	117.32	1.34	0.23	0.679
HC01-11	172.69	0.00	0.99	54.79	42.35	74.69	117.04	1.63	0.28	0.678
HC01-12	172.69	0.00	1.00	49.75	42.35	79.75	122.10	3.79	0.63	0.707
HC02-01	172.69	0.00	1.16	44.99	63.71	62.98	126.69	0.47	0.08	0.734
HC02-02	172.69	0.00	1.38	33.54	86.11	51.85	137.96	2.99	0.45	0.799
HC02-03	172.69	0.00	1.26	39.27	73.80	58.53	132.32	0.25	0.04	0.766
HC02-04	172.69	0.00	1.04	49.79	49.86	72.17	122.03	0.50	0.08	0.707
HC02-05	172.69	0.00	0.85	60.94	25.27	85.78	111.05	3.29	0.59	0.643
HC02-06	172.69	0.00	0.86	60.89	25.95	85.13	111.08	1.99	0.36	0.643
HC02-07	172.69	0.00	0.84	63.94	21.86	86.18	108.04	0.84	0.15	0.626
HC02-08	172.69	0.00	0.80	65.02	19.81	87.20	107.01	1.35	0.25	0.620
HC02-09	172.69	0.00	0.85	63.53	23.22	85.20	108.43	0.94	0.17	0.628
HC02-10	172.69	0.00	0.82	64.76	21.17	86.07	107.24	1.01	0.19	0.621
HC02-11	172.69	0.00	0.84	63.00	23.22	85.76	108.98	1.62	0.30	0.631
HC02-12	172.69	0.00	0.84	65.65	21.18	85.13	106.31	2.29	0.42	0.616
HC02-13	172.69	0.00	0.81	65.57	19.81	86.62	106.42	0.89	0.17	0.616
HC02-14	172.69	0.00	0.81	64.93	20.49	86.59	107.08	0.99	0.18	0.620
HC02-15	172.69	0.00	0.83	62.89	22.54	86.59	109.12	1.75	0.32	0.632
HC02-16	172.69	0.00	0.71	83.62	23.90	64.62	88.53	0.45	0.09	0.513
HC02-17	172.69	0.00	0.86	57.93	22.54	91.49	114.03	2.69	0.47	0.660
HC02-18	172.69	0.00	0.71	83.46	23.90	64.81	88.71	3.40	0.71	0.514
HC02-19	172.69	0.00	0.76	86.57	24.60	60.86	85.46	1.30	0.26	0.495
HC02-20	172.69	0.00	1.12	45.53	60.10	66.10	126.20	0.56	0.09	0.731
HC02-21	172.69	0.00	0.85	62.58	24.59	84.79	109.38	3.84	0.70	0.633
HC02-22	172.69	0.00	0.85	62.58	24.59	84.79	109.38	3.25	0.59	0.633
HC02-23	172.69	0.00	1.24	39.35	73.10	59.16	132.26	0.53	0.08	0.766
HC02-24	172.69	0.00	1.45	26.49	99.72	45.21	144.93	0.10	0.01	0.839
HC02-25	172.69	0.00	1.28	36.53	78.38	56.68	135.06	1.53	0.24	0.782
HC02-26	172.69	0.00	1.40	29.63	93.57	48.27	141.84	0.48	0.07	0.821
HC02-27	172.69	0.00	0.76	78.96	30.73	62.42	93.16	0.70	0.14	0.539
HC02-28	172.69	0.00	0.77	79.20	30.74	62.16	92.90	0.53	0.11	0.538
HC02-29	172.69	0.00	1.12	57.24	68.33	46.18	114.50	0.61	0.10	0.663
HC02-30	172.69	0.00	0.58	78.25	2.05	91.91	93.96	1.39	0.28	0.544
HC02-31	172.69	0.00	0.73	81.79	25.95	64.38	90.33	2.19	0.45	0.523
HC02-32	172.69	0.00	0.72	82.69	24.59	64.89	89.47	1.92	0.40	0.518
HC02-33	172.69	0.00	0.75	82.86	25.96	63.26	89.22	0.74	0.15	0.517
HC02-34	172.69	0.00	0.89	70.14	44.40	57.45	101.84	0.31	0.06	0.590
HC02-35	172.69	0.00	0.58	76.35	2.73	93.16	95.89	0.96	0.19	0.555
HC02-36	172.69	0.00	0.56	92.28	9.56	70.56	80.12	0.35	0.08	0.464
HC02-37	172.69	0.00	0.57	93.23	8.88	70.23	79.11	0.80	0.18	0.458
HC02-38	172.69	0.00	0.85	63.58	23.22	85.15	108.37	3.37	0.61	0.628
HC02-39	172.69	0.00	0.86	67.79	19.81	84.32	104.13	0.92	0.17	0.603
HC03-01	172.69	0.00	1.13	44.66	54.65	72.39	127.05	2.85	0.46	0.736
HC03-02	172.69	0.00	0.85	60.57	25.95	85.48	111.43	0.89	0.16	0.645
HC03-03	172.69	0.00	0.89	57.60	32.10	82.32	114.42	0.15	0.03	0.663
HC03-04	172.69	0.00	0.91	58.09	32.10	81.74	113.84	1.17	0.21	0.659
HC03-05	172.69	0.00	1.15	43.82	62.84	65.06	127.90	0.42	0.07	0.741
HC03-06	172.69	0.00	0.83	62.32	23.56	86.14	109.70	5.66	1.03	0.635
HC03-07	172.69	0.00	0.86	60.86	25.95	85.16	111.11	2.01	0.36	0.643
HC03-08	172.69	0.00	0.72	82.79	26.46	62.90	89.37	3.90	0.81	0.518

HC03-09	172.69	0.00	0.85	76.15	39.79	56.06	95.85	1.86	0.36	0.555
HC03-10	172.69	0.00	0.68	86.59	20.49	65.10	85.59	1.45	0.31	0.496
HC03-11	172.69	0.00	0.74	82.11	28.17	61.84	90.02	2.26	0.46	0.521
HC03-12	172.69	0.00	0.73	85.50	23.91	62.68	86.59	1.02	0.21	0.501
HC03-13	172.69	0.00	0.78	78.18	32.10	61.78	93.88	0.36	0.07	0.544
HC03-14	172.69	0.00	1.41	35.63	99.76	36.07	135.84	0.18	0.03	0.787
HC03-15	172.69	0.00	0.71	84.25	23.22	64.67	87.89	0.54	0.11	0.509
HC03-16	172.69	0.00	0.82	76.10	36.20	59.72	95.92	0.30	0.06	0.555
HC03-17	172.69	0.00	1.15	43.78	62.84	65.11	127.95	0.15	0.02	0.741
HC03-18	172.69	0.00	1.53	22.97	109.30	39.06	148.36	0.15	0.02	0.859
HC03-19	172.69	0.00	0.75	67.44	14.34	90.38	104.72	8.25	1.55	0.606
HC03-20	172.69	0.00	0.69	73.26	4.10	94.77	98.87	1.48	0.29	0.573
HC04-01	172.69	0.00	0.94	55.96	30.74	85.17	115.91	4.16	0.72	0.671
HC04-02	172.69	0.00	0.70	85.26	23.73	63.15	86.89	0.57	0.12	0.503
HC04-03	172.69	0.00	0.72	84.55	25.44	62.12	87.57	1.05	0.22	0.507
HC04-04	172.69	0.00	0.94	56.29	30.74	84.83	115.57	6.10	1.06	0.669
HC04-05	172.69	0.00	0.76	80.47	30.05	61.58	91.64	0.57	0.12	0.531
HC04-06	172.69	0.00	0.77	81.45	30.06	60.56	90.61	0.97	0.20	0.525
HC04-07	172.69	0.00	1.09	58.16	65.59	48.01	113.60	0.10	0.02	0.658
HC04-08	172.69	0.00	0.74	83.64	26.47	62.00	88.47	0.30	0.06	0.512
HC04-09	172.69	0.00	0.77	81.15	30.05	60.86	90.92	0.48	0.10	0.526
HC04-10	172.69	0.00	0.78	81.56	30.06	60.44	90.49	0.56	0.11	0.524
HC04-11	172.69	0.00	0.74	83.02	28.52	60.60	89.11	0.81	0.17	0.516
HC04-12	172.69	0.00	0.70	85.69	22.54	63.90	86.44	1.90	0.40	0.501
HC04-13	172.69	0.00	0.74	82.18	25.95	63.96	89.92	0.27	0.06	0.521
HC04-14	172.69	0.00	0.87	64.01	23.91	84.01	107.92	3.01	0.55	0.625
HC04-15	172.69	0.00	0.84	62.84	23.90	85.23	109.13	4.27	0.78	0.632
HC04-16	172.69	0.00	0.86	61.03	25.95	84.98	110.93	0.51	0.09	0.642
HC04-17	172.69	0.00	0.89	59.84	30.05	82.06	112.11	2.53	0.45	0.649
HC04-18	172.69	0.00	0.95	57.91	36.04	77.92	113.96	0.30	0.05	0.660
HC04-19	172.69	0.00	0.81	64.82	20.49	86.71	107.20	1.39	0.26	0.621
HC04-20	172.69	0.00	0.80	64.50	20.49	87.06	107.55	0.60	0.11	0.623
HC04-21	172.69	0.00	0.88	59.84	29.37	82.77	112.13	0.17	0.03	0.649
HC04-22	172.69	0.00	0.91	58.60	32.78	80.55	113.33	0.26	0.05	0.656
HC04-23	172.69	0.00	0.87	59.97	30.05	82.01	112.06	0.63	0.11	0.649
HC04-24	172.69	0.00	0.83	61.74	24.59	85.71	110.30	0.14	0.03	0.639
HC04-25	172.69	0.00	0.86	57.48	23.22	91.27	114.49	0.89	0.16	0.663
HC04-26	172.69	0.00	0.74	89.84	21.87	60.35	82.21	0.61	0.12	0.476
HC04-27	172.69	0.00	0.79	65.65	18.44	87.94	106.38	0.38	0.07	0.616
HC04-28	172.69	0.00	0.74	82.11	25.95	64.03	89.99	0.66	0.14	0.521
HC04-29	172.69	0.00	0.87	57.66	23.22	91.08	114.30	4.14	0.73	0.662
HC04-30	172.69	0.00	0.87	57.28	23.90	90.78	114.68	2.22	0.39	0.664
HC04-31	172.69	0.00	0.93	69.13	47.82	54.98	102.80	0.49	0.09	0.595
HC04-32	172.69	0.00	0.74	82.45	25.96	63.69	89.65	0.30	0.06	0.519
HC04-33	172.69	0.00	0.71	84.45	23.22	64.47	87.69	0.99	0.21	0.508
HC04-34	172.69	0.00	0.59	93.95	9.56	68.76	78.32	1.21	0.28	0.454
HC04-35	172.69	0.00	0.71	84.77	23.22	64.13	87.35	0.43	0.09	0.506
HC04-36	172.69	0.00	1.11	43.45	55.50	72.81	128.30	3.76	0.60	0.743
HC05-01	172.69	0.00	0.82	58.84	20.49	92.71	113.20	6.78	1.20	0.655
HC05-02	172.69	0.00	0.84	58.81	21.17	92.03	113.20	3.66	0.65	0.655
HC05-03	172.69	0.00	1.67	16.50	129.77	24.89	154.66	0.17	0.02	0.896
HC05-04	172.69	0.00	0.66	87.97	19.12	65.10	84.22	0.41	0.09	0.488
HC05-05	172.69	0.00	0.75	82.65	25.62	63.80	89.41	0.82	0.17	0.518
HC05-06	172.69	0.00	0.75	80.97	28.69	62.44	91.13	0.38	0.08	0.528
HC05-07	172.69	0.00	0.70	85.25	22.54	64.35	86.89	0.63	0.13	0.503
HC05-08	172.69	0.00	0.71	84.79	23.22	64.11	87.33	1.92	0.40	0.506
HC05-09	172.69	0.00	0.73	87.62	22.54	61.91	84.46	0.23	0.05	0.489

HC05-10	172.69	0.00	0.76	79.21	30.05	62.88	92.93	0.33	0.07	0.538
HC05-11	172.69	0.00	0.57	93.43	8.88	70.02	78.90	2.50	0.57	0.457
HC06-01	172.69	0.00	0.86	60.97	25.95	85.04	111.00	0.36	0.06	0.643
HC06-02	172.69	0.00	0.88	62.19	25.28	84.46	109.74	0.71	0.13	0.635
HC06-03	172.69	0.00	0.71	79.10	0.00	92.97	92.97	1.39	0.26	0.538
HC06-04	172.69	0.00	0.67	76.60	0.68	94.84	95.52	1.06	0.21	0.553
HC06-05	172.69	0.00	0.80	65.02	18.44	88.56	107.00	0.37	0.07	0.620
HC06-06	172.69	0.00	0.82	63.28	21.85	86.88	108.74	1.71	0.31	0.630
HC06-07	172.69	0.00	0.82	58.54	19.12	94.41	113.53	0.45	0.08	0.657
HC06-08	172.69	0.00	0.84	61.86	24.59	85.57	110.15	4.57	0.83	0.638
HC06-09	172.69	0.00	0.81	62.74	22.20	87.12	109.32	2.85	0.52	0.633
HC06-10	172.69	0.00	0.82	63.13	21.85	87.05	108.90	2.61	0.48	0.631
HC06-11	172.69	0.00	0.91	53.82	30.05	88.08	118.13	0.26	0.04	0.684
HC06-12	172.69	0.00	1.01	49.05	42.35	80.45	122.80	0.25	0.04	0.711
HC06-13	172.69	0.00	1.28	43.28	87.44	40.86	128.30	0.36	0.06	0.743
HC06-14	172.69	0.00	0.89	67.68	39.28	64.97	104.25	1.89	0.35	0.604
HC06-15	172.69	0.00	1.77	11.44	136.66	23.01	159.67	0.19	0.03	0.925
HC06-16	172.69	0.00	1.56	24.80	114.45	32.07	146.52	0.41	0.06	0.848
HC06-17	172.69	0.00	0.88	69.75	37.57	64.62	102.20	1.57	0.30	0.592
HC06-18	172.69	0.00	1.37	39.33	94.64	37.54	132.18	3.52	0.54	0.765
HC06-19	172.69	0.00	1.74	11.39	136.60	23.07	159.67	0.05	0.01	0.925
HC06-20	172.69	0.00	1.76	11.43	136.65	23.03	159.68	0.34	0.05	0.925
HC06-21	172.69	0.00	1.64	26.94	114.40	29.88	144.29	1.83	0.27	0.836
HC06-22	172.69	0.00	1.75	11.40	136.61	23.06	159.67	0.10	0.01	0.925
HC06-23	172.69	0.00	1.64	23.38	119.58	28.30	147.88	2.22	0.32	0.856
HC06-24	172.69	0.00	1.75	11.40	136.63	23.05	159.68	0.19	0.03	0.925
HC06-25	172.69	0.00	0.91	53.75	30.05	88.15	118.21	3.96	0.68	0.684
HC06-26	172.69	0.00	0.89	73.00	43.72	55.22	98.95	2.61	0.50	0.573
HC06-27	172.69	0.00	1.68	16.52	129.80	24.85	154.65	0.25	0.03	0.896
HC06-28	172.69	0.00	1.82	11.54	136.67	22.88	159.55	0.32	0.04	0.924
HC06-29	172.69	0.00	0.80	63.38	13.66	94.98	108.64	1.35	0.25	0.629
HC06-30	172.69	0.00	1.33	33.14	81.99	56.40	138.39	0.46	0.07	0.801
HC06-31	172.69	0.00	0.56	75.56	2.73	94.02	96.75	1.75	0.35	0.560
HC06-32	172.69	0.00	0.59	95.42	8.88	67.93	76.81	1.04	0.24	0.445
HC07-01	172.69	0.00	0.79	82.79	29.38	59.86	89.24	2.70	0.55	0.517
HC07-02	172.69	0.00	0.79	80.17	32.11	59.77	91.88	1.06	0.21	0.532
HC07-03	172.69	0.00	0.73	81.92	25.95	64.27	90.22	0.33	0.07	0.522
HC07-04	172.69	0.00	0.69	86.85	19.81	65.49	85.30	0.29	0.06	0.494
HC07-05	172.69	0.00	0.77	86.72	25.97	59.34	85.31	0.25	0.05	0.494
HC07-06	172.69	0.00	0.74	86.08	23.91	62.08	85.99	1.77	0.37	0.498
HC07-07	172.69	0.00	0.71	84.97	23.91	63.24	87.15	0.33	0.07	0.505
HC07-08	172.69	0.00	1.45	41.99	98.37	31.06	129.43	0.25	0.04	0.750
HC07-09	172.69	0.00	0.79	63.02	30.05	79.01	109.06	0.27	0.05	0.632
HC08-01	172.69	0.00	0.92	55.41	29.37	87.12	116.50	0.80	0.14	0.675
HC08-02	172.69	0.00	0.95	54.15	32.11	85.60	117.71	2.73	0.47	0.682
HC08-03	172.69	0.00	0.75	83.12	25.96	62.99	88.95	1.78	0.37	0.515
HC08-04	172.69	0.00	0.86	60.85	19.81	91.28	111.09	0.77	0.14	0.643
HC08-05	172.69	0.00	0.90	55.32	25.95	90.65	116.60	0.76	0.13	0.675
HC08-06	172.69	0.00	0.87	57.64	23.91	90.40	114.30	1.35	0.24	0.662
HC08-07	172.69	0.00	0.87	57.51	23.90	90.53	114.43	0.63	0.11	0.663
HC08-08	172.69	0.00	1.49	25.29	98.40	47.69	146.09	0.60	0.09	0.846
HC08-09	172.69	0.00	0.95	53.65	30.06	88.15	118.21	2.10	0.36	0.684
HC08-10	172.69	0.00	0.69	66.56	2.73	102.89	105.62	1.39	0.26	0.612
HC09-01	172.69	0.00	0.82	81.44	34.16	56.40	90.56	0.86	0.17	0.524
HC09-02	172.69	0.00	0.71	86.34	23.90	61.89	85.80	0.88	0.19	0.497
HC09-03	172.69	0.00	0.74	84.47	25.96	61.66	87.61	0.85	0.18	0.507
HC09-04	172.69	0.00	0.67	88.28	19.12	64.77	83.89	2.13	0.46	0.486

HC09-05	172.69	0.00	0.69	86.63	21.17	64.35	85.52	2.22	0.48	0.495
HC09-06	172.69	0.00	0.68	86.95	20.49	64.73	85.22	1.05	0.22	0.493
HC09-07	172.69	0.00	0.62	90.19	13.66	68.37	82.03	0.39	0.09	0.475
HC10-01	172.69	0.00	0.68	87.57	21.00	63.59	84.59	3.78	0.81	0.490
HC10-02	172.69	0.00	0.94	69.21	48.34	54.35	102.69	2.60	0.48	0.595
HC10-03	172.69	0.00	0.93	72.26	45.95	53.69	99.64	1.85	0.35	0.577
HC10-04	172.69	0.00	0.73	83.21	26.47	62.45	88.91	1.64	0.34	0.515
HC10-05	172.69	0.00	0.73	86.72	24.25	61.11	85.37	2.06	0.43	0.494
HC10-06	172.69	0.00	0.70	87.33	21.17	63.62	84.79	1.13	0.24	0.491
HC10-07	172.69	0.00	0.75	82.48	28.17	61.44	89.62	1.53	0.32	0.519
HC10-08	172.69	0.00	0.71	83.54	25.44	63.22	88.66	1.06	0.22	0.513
HC10-09	172.69	0.00	0.69	87.32	20.83	63.99	84.82	1.18	0.25	0.491
HC10-10	172.69	0.00	0.71	84.01	25.44	62.71	88.15	0.25	0.05	0.510
HC10-11	172.69	0.00	0.78	78.15	33.29	60.67	93.97	0.25	0.05	0.544
HC10-12	172.69	0.00	0.58	75.30	4.10	92.86	96.96	0.87	0.17	0.561
HC10-13	172.69	0.00	0.75	83.83	27.33	60.92	88.24	0.52	0.11	0.511
HC10-14	172.69	0.00	0.74	82.48	27.83	61.80	89.63	0.41	0.09	0.519
HC10-15	172.69	0.00	0.74	81.90	28.17	62.06	90.23	0.36	0.07	0.523

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LID Performance Summary
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Subcatchment	LID Control	Total Inflow mm	Evap Loss mm	Infil Loss mm	Surface Outflow mm	Drain Outflow mm	Initial Storage mm	Final Storage mm	Continuity Error %
A1	LID_WETLAND	23736.47	6.88	329.31	23256.03	0.00	175.36	319.79	-0.00
A2	LID_WETLAND	14016.85	6.88	328.57	13537.14	0.00	175.36	319.74	-0.00
A3	LID_WETLAND	11623.85	6.88	326.33	11146.55	0.00	175.36	319.61	-0.00
A4	LID_WETLAND	25594.20	6.88	351.12	25087.71	0.00	175.36	323.94	-0.00
B1	LID_WETLAND	68336.93	6.95	331.28	67854.52	0.00	175.36	319.79	-0.00
B2	LID_WETLAND	492561.38	6.81	330.45	498164.79	0.00	175.36	319.74	-1.23
C1	LID_WETLAND	276577.10	6.83	332.68	276991.99	0.00	175.36	320.03	-0.32
D1	LID_WETLAND	25364.81	6.95	330.73	24882.81	0.00	175.36	319.80	-0.00
D2	LID_WETLAND	1316.12	6.88	329.09	835.92	0.00	175.36	319.85	-0.02
D3	LID_WETLAND	279873.62	6.89	355.87	279359.07	0.00	175.36	327.58	-0.00
D4	LID_WETLAND	289939.04	6.94	357.49	289419.29	0.00	175.36	331.24	-0.00
E1	LID_WETLAND	1856459.16	6.89	356.66	1856411.59	0.00	175.36	362.86	-0.03
E2	LID_WETLAND	6935327.56	6.85	356.13	6940541.95	0.00	175.36	372.22	-0.08
E3	LID_WETLAND	2031.40	6.88	328.14	1552.10	0.00	175.36	319.73	-0.00

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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
1	JUNCTION	0.06	0.91	333.55	0 05:15	0.91
11	JUNCTION	0.68	1.86	318.47	0 08:37	1.86
12	JUNCTION	0.72	2.02	317.52	0 08:29	2.02
13	JUNCTION	1.09	2.43	316.93	0 08:50	2.43

14	JUNCTION	0.08	0.71	331.81	0	05:15	0.71
15	JUNCTION	1.29	3.00	316.95	0	12:35	2.90
17	JUNCTION	0.73	1.45	313.45	0	15:35	1.43
18	JUNCTION	0.15	1.52	324.02	0	05:15	1.52
19	JUNCTION	0.06	0.67	324.17	0	05:22	0.67
2	JUNCTION	0.17	2.29	326.29	0	05:13	2.29
20	JUNCTION	0.12	0.89	330.99	0	05:30	0.89
21	JUNCTION	0.45	1.05	322.15	0	07:10	1.04
22	JUNCTION	0.22	1.69	323.19	0	05:17	1.67
24	JUNCTION	0.45	2.70	323.20	0	05:17	2.69
25	JUNCTION	0.25	2.10	323.20	0	05:17	2.08
26	JUNCTION	0.00	0.00	327.93	0	00:00	0.00
27	JUNCTION	0.10	1.37	327.87	0	05:15	1.37
28	JUNCTION	0.31	1.64	327.74	0	06:00	1.64
29	JUNCTION	0.17	0.96	324.85	0	06:15	0.96
3	JUNCTION	0.14	1.19	331.76	0	05:15	1.19
30	JUNCTION	0.36	0.85	321.35	0	06:50	0.84
31	JUNCTION	0.32	0.76	320.90	0	06:51	0.75
32	JUNCTION	0.37	0.87	319.87	0	06:52	0.86
34	JUNCTION	0.38	0.90	318.77	0	06:17	0.90
35	JUNCTION	0.39	0.90	318.40	0	06:47	0.90
36	JUNCTION	0.48	1.55	317.05	0	11:58	1.46
37	JUNCTION	0.06	0.83	324.93	0	05:17	0.83
39	JUNCTION	0.75	1.93	323.23	0	08:27	1.92
4	JUNCTION	0.01	0.10	325.10	0	05:15	0.10
40	JUNCTION	0.33	1.92	321.02	0	07:15	1.91
42	JUNCTION	0.20	1.18	323.28	0	07:45	1.17
48	JUNCTION	0.19	1.59	326.19	0	05:15	1.59
49	JUNCTION	0.68	1.92	323.52	0	08:04	1.92
5	JUNCTION	0.17	0.92	330.42	0	06:37	0.92
50	JUNCTION	0.46	1.09	319.19	0	07:15	1.09
53	JUNCTION	1.24	3.00	317.10	0	11:55	2.89
54	JUNCTION	1.03	2.06	315.98	0	15:45	2.06
56	JUNCTION	1.44	2.56	303.66	0	15:37	2.53
6	JUNCTION	0.17	1.07	330.07	0	05:15	1.07
7	JUNCTION	0.79	2.62	320.72	0	06:40	2.61
8	JUNCTION	0.50	3.28	324.24	0	05:14	3.26
9	JUNCTION	0.42	2.72	323.12	0	05:15	2.71
MHEasement1	JUNCTION	0.02	0.37	319.44	0	05:15	0.37
MHEasement2	JUNCTION	0.10	0.62	319.32	0	05:15	0.62
MHSchool	JUNCTION	0.05	0.78	329.33	0	05:15	0.78
MHSWM4	JUNCTION	0.06	1.11	320.36	0	05:14	1.11
PWOPRMHS0001369	JUNCTION	0.04	0.56	319.95	0	05:15	0.56
PWOPRMHS0001370	JUNCTION	0.02	0.32	319.59	0	05:15	0.32
PWOPRMHS0001371	JUNCTION	0.01	0.17	319.99	0	05:15	0.17
PWOPRMHS0001372	JUNCTION	0.00	0.00	320.15	0	00:00	0.00
PWOPRMHS0001373	JUNCTION	0.01	0.19	320.21	0	05:15	0.19
PWOPRMHS0001374	JUNCTION	0.02	0.29	319.98	0	05:15	0.29
PWOPRMHS0001375	JUNCTION	0.02	0.31	319.88	0	05:15	0.31
PWOPRMHS0001386	JUNCTION	0.15	0.69	319.30	0	05:15	0.69
PWOPRMHS0001387	JUNCTION	0.09	0.83	319.58	0	05:15	0.83
PWOPRMHS0001388	JUNCTION	0.05	0.67	319.60	0	05:15	0.67
PWOPRMHS0001389	JUNCTION	0.04	0.57	319.70	0	05:15	0.57
PWOPRMHS0001390	JUNCTION	0.02	0.21	317.70	0	05:15	0.21
PWOPRMHS0001391	JUNCTION	0.02	0.27	317.54	0	05:15	0.27
PWOPRMHS0001392	JUNCTION	0.01	0.15	318.33	0	05:15	0.15
PWOPRMHS0001393	JUNCTION	0.04	0.50	320.69	0	05:15	0.50

PWOPRMHS0001394	JUNCTION	0.02	0.36	317.22	0	12:01	0.30
PWOPRMHS0001395	JUNCTION	0.03	0.47	317.26	0	12:00	0.47
PWOPRMHS0001398	JUNCTION	0.02	0.32	317.59	0	05:15	0.32
PWOPRMHS0001399	JUNCTION	0.02	0.31	317.46	0	05:15	0.31
PWOPRMHS0001400	JUNCTION	0.02	0.32	317.31	0	05:15	0.32
PWOPRMHS0001401	JUNCTION	0.05	0.38	317.05	0	11:59	0.37
PWOPRMHS0001402	JUNCTION	0.08	0.67	317.17	0	12:00	0.66
PWOPRMHS0001403	JUNCTION	0.04	0.51	322.21	0	05:15	0.51
PWOPRMHS0001404	JUNCTION	0.03	0.43	320.97	0	05:15	0.43
PWOPRMHS0001408	JUNCTION	0.03	0.41	321.24	0	05:15	0.41
PWOPRMHS0001409	JUNCTION	0.01	0.17	327.98	0	05:15	0.17
PWOPRMHS0001410	JUNCTION	0.06	0.96	327.43	0	05:15	0.96
PWOPRMHS0001411	JUNCTION	0.02	0.27	327.74	0	05:15	0.27
PWOPRMHS0001412	JUNCTION	0.02	0.18	331.87	0	05:15	0.18
PWOPRMHS0001413	JUNCTION	0.03	0.36	332.10	0	05:15	0.36
PWOPRMHS0001415	JUNCTION	0.04	0.56	320.24	0	05:15	0.56
PWOPRMHS0001416	JUNCTION	0.08	1.38	320.37	0	05:15	1.38
PWOPRMHS0001418	JUNCTION	0.09	1.55	320.28	0	05:15	1.54
PWOPRMHS0001419	JUNCTION	0.02	0.24	320.23	0	05:15	0.24
PWOPRMHS0001420	JUNCTION	0.01	0.21	320.71	0	05:15	0.21
PWOPRMHS0001421	JUNCTION	0.01	0.19	321.13	0	05:15	0.19
PWOPRMHS0001422	JUNCTION	0.02	0.31	320.59	0	05:15	0.31
PWOPRMHS0001423	JUNCTION	0.02	0.27	320.70	0	05:15	0.27
PWOPRMHS0001424	JUNCTION	0.01	0.23	321.19	0	05:15	0.23
PWOPRMHS0001428	JUNCTION	0.00	0.00	323.21	0	00:00	0.00
PWOPRMHS0001429	JUNCTION	0.01	0.19	321.54	0	05:15	0.19
PWOPRMHS0001430	JUNCTION	0.00	0.00	321.23	0	00:00	0.00
PWOPRMHS0001431	JUNCTION	0.00	0.00	323.01	0	00:00	0.00
PWOPRMHS0001433	JUNCTION	0.01	0.70	320.48	0	05:13	0.66
PWOPRMHS0001435	JUNCTION	0.01	0.11	319.75	0	05:15	0.11
PWOPRMHS0001436	JUNCTION	0.11	1.74	320.09	0	05:14	1.74
PWOPRMHS0001437	JUNCTION	0.04	0.71	320.09	0	05:15	0.71
PWOPRMHS0001438	JUNCTION	0.10	1.47	319.67	0	05:15	1.47
PWOPRMHS0001467	JUNCTION	0.02	0.31	321.23	0	05:15	0.31
PWOPRMHS0001597	JUNCTION	0.00	0.25	325.03	0	05:14	0.25
PWOPRMHS0001598	JUNCTION	0.03	0.39	325.88	0	05:15	0.39
PWOPRMHS0001600	JUNCTION	0.03	0.37	325.03	0	05:15	0.37
PWOPRMHS0001601	JUNCTION	0.02	0.24	326.39	0	05:15	0.24
PWOPRMHS0001602	JUNCTION	0.02	0.25	326.23	0	05:15	0.25
PWOPRMHS0001603	JUNCTION	0.04	0.81	325.04	0	05:15	0.81
PWOPRMHS0001604	JUNCTION	0.05	1.08	325.03	0	05:15	1.08
PWOPRMHS0001605	JUNCTION	0.03	0.69	325.03	0	05:15	0.69
PWOPRMHS0001606	JUNCTION	0.09	1.46	325.03	0	05:15	1.46
PWOPRMHS0001608	JUNCTION	0.08	1.27	326.94	0	05:15	1.27
PWOPRMHS0001610	JUNCTION	0.03	0.42	325.86	0	05:15	0.42
PWOPRMHS0001611	JUNCTION	0.07	1.53	324.40	0	05:07	1.40
PWOPRMHS0001614	JUNCTION	0.07	1.23	324.14	0	05:14	1.13
PWOPRMHS0001622	JUNCTION	0.01	0.10	332.83	0	05:15	0.10
PWOPRMHS0001624	JUNCTION	0.02	0.29	331.21	0	05:15	0.29
PWOPRMHS0001625	JUNCTION	0.02	0.31	330.92	0	05:15	0.31
PWOPRMHS0001626	JUNCTION	0.26	0.46	331.46	0	05:15	0.46
PWOPRMHS0001634	JUNCTION	0.06	0.87	327.08	0	05:15	0.87
PWOPRMHS0001642	JUNCTION	0.03	1.28	324.55	0	05:15	1.28
PWOPRMHS0001643	JUNCTION	0.03	0.67	324.05	0	05:15	0.62
PWOPRMHS0001649	JUNCTION	0.02	0.29	329.50	0	05:15	0.29
PWOPRMHS0001650	JUNCTION	0.02	0.29	329.86	0	05:15	0.29
PWOPRMHS0001651	JUNCTION	0.02	0.25	330.53	0	05:15	0.25

PWOPRMHS0001652	JUNCTION	0.02	0.33	327.22	0	05:15	0.33
PWOPRMHS0001653	JUNCTION	0.03	0.41	325.65	0	05:15	0.41
PWOPRMHS0001654	JUNCTION	0.03	0.37	325.28	0	05:15	0.37
PWOPRMHS0001655	JUNCTION	0.01	0.12	330.12	0	05:15	0.12
PWOPRMHS0001657	JUNCTION	0.04	0.73	325.31	0	05:15	0.73
PWOPRMHS0001658	JUNCTION	0.02	0.41	325.33	0	05:15	0.41
PWOPRMHS0001659	JUNCTION	0.02	0.37	325.68	0	05:15	0.37
PWOPRMHS0001660	JUNCTION	0.05	0.91	325.01	0	05:15	0.91
PWOPRMHS0001661B	JUNCTION	0.05	0.99	325.30	0	05:15	0.99
PWOPRMHS0001662	JUNCTION	0.05	0.76	324.71	0	05:15	0.76
PWOPRMHS0001663	JUNCTION	0.08	1.22	325.28	0	05:15	1.22
PWOPRMHS0001664	JUNCTION	0.02	0.31	326.66	0	05:15	0.31
PWOPRMHS0001667	JUNCTION	0.11	1.67	324.82	0	05:15	1.67
PWOPRMHS0001670	JUNCTION	0.05	0.77	323.69	0	05:16	0.77
PWOPRMHS0001674	JUNCTION	0.07	0.94	326.82	0	05:15	0.94
PWOPRMHS0001676	JUNCTION	0.05	0.69	327.02	0	05:15	0.69
PWOPRMHS0001677	JUNCTION	0.04	0.58	327.17	0	05:15	0.58
PWOPRMHS0001678	JUNCTION	0.01	0.22	327.23	0	05:15	0.22
PWOPRMHS0001679	JUNCTION	0.03	0.42	336.31	0	05:15	0.42
PWOPRMHS0001680	JUNCTION	0.04	0.55	335.61	0	05:15	0.55
PWOPRMHS0001682	JUNCTION	0.04	0.51	328.61	0	05:15	0.51
PWOPRMHS0001686	JUNCTION	0.04	0.66	329.21	0	05:15	0.66
PWOPRMHS0001687	JUNCTION	0.08	1.25	327.65	0	05:15	1.25
PWOPRMHS0001688	JUNCTION	0.08	1.39	327.49	0	05:15	1.39
PWOPRMHS0001689	JUNCTION	0.08	1.29	327.90	0	05:15	1.29
PWOPRMHS0001690	JUNCTION	0.07	1.32	328.06	0	05:15	1.32
PWOPRMHS0001691	JUNCTION	0.06	1.21	328.19	0	05:15	1.21
PWOPRMHS0001692	JUNCTION	0.06	1.01	328.58	0	05:15	1.01
PWOPRMHS0001695	JUNCTION	0.04	0.90	323.15	0	05:16	0.89
PWOPRMHS0001697	JUNCTION	0.02	0.32	324.23	0	05:15	0.32
PWOPRMHS0001705	JUNCTION	0.01	0.16	328.69	0	05:15	0.16
PWOPRMHS0001706	JUNCTION	0.03	0.37	327.51	0	05:15	0.37
PWOPRMHS0001713	JUNCTION	0.04	0.66	326.17	0	05:15	0.66
PWOPRMHS0001729	JUNCTION	0.04	0.53	329.61	0	05:15	0.53
PWOPRMHS0001732	JUNCTION	0.03	0.54	329.52	0	05:15	0.54
PWOPRMHS0001733	JUNCTION	0.01	0.18	324.23	0	05:15	0.18
PWOPRMHS0001736	JUNCTION	0.04	0.62	324.02	0	05:17	0.58
PWOPRMHS0001739	JUNCTION	0.03	0.55	329.44	0	05:15	0.55
PWOPRMHS0001740	JUNCTION	0.04	0.61	329.33	0	05:15	0.61
PWOPRMHS0001741	JUNCTION	0.01	0.14	329.62	0	05:15	0.14
PWOPRMHS0001743	JUNCTION	0.07	1.12	328.41	0	05:15	1.12
PWOPRMHS0001744	JUNCTION	0.07	1.09	328.82	0	05:15	1.09
PWOPRMHS0001745	JUNCTION	0.07	1.07	329.13	0	05:15	1.07
PWOPRMHS0001746	JUNCTION	0.06	1.08	329.01	0	05:15	1.08
PWOPRMHS0001761	JUNCTION	0.00	0.00	329.15	0	00:00	0.00
PWOPRMHS0001764	JUNCTION	0.04	0.57	328.03	0	05:15	0.57
PWOPRMHS0001765	JUNCTION	0.03	0.37	328.41	0	05:15	0.37
PWOPRMHS0001766	JUNCTION	0.00	0.09	328.41	0	05:15	0.09
PWOPRMHS0001767	JUNCTION	0.04	0.57	327.82	0	05:15	0.57
PWOPRMHS0001768	JUNCTION	0.02	0.25	328.10	0	05:15	0.25
PWOPRMHS0001788	JUNCTION	0.05	0.80	323.74	0	05:15	0.80
PWOPRMHS0001791	JUNCTION	0.07	1.09	326.68	0	05:15	1.09
PWOPRMHS0001792	JUNCTION	0.06	0.92	326.16	0	05:15	0.92
PWOPRMHS0001796	JUNCTION	0.00	0.00	326.65	0	00:00	0.00
PWOPRMHS0001797	JUNCTION	0.02	0.25	326.65	0	05:15	0.25
PWOPRMHS0001798	JUNCTION	0.02	0.26	326.32	0	05:15	0.26
PWOPRMHS0001804	JUNCTION	0.01	0.08	332.06	0	05:15	0.08

PWOPRMHS0001836	JUNCTION	0.05	0.78	325.34	0	05:15	0.78
PWOPRMHS0001855	JUNCTION	0.02	0.34	326.55	0	05:15	0.34
PWOPRMHS0001856	JUNCTION	0.04	0.60	328.33	0	05:15	0.60
PWOPRMHS0001857	JUNCTION	0.02	0.34	322.77	0	05:15	0.34
PWOPRMHS0001858	JUNCTION	0.03	0.45	330.38	0	05:15	0.45
PWOPRMHS0001867	JUNCTION	0.01	0.15	332.09	0	05:15	0.15
PWOPRMHS0001874	JUNCTION	0.01	0.14	330.01	0	05:15	0.14
PWOPRMHS0001878	JUNCTION	0.03	0.78	324.06	0	05:16	0.71
PWOPRMHS0001879	JUNCTION	0.05	1.52	324.56	0	05:13	1.11
PWOPRMHS0001881	JUNCTION	0.02	0.43	324.00	0	05:09	0.41
PWOPRMHS0001889	JUNCTION	0.05	0.80	325.43	0	05:15	0.80
PWOPRMHS0001890	JUNCTION	0.05	0.76	325.28	0	05:15	0.76
PWOPRMHS0001891	JUNCTION	0.01	0.15	325.25	0	05:15	0.15
PWOPRMHS0001894	JUNCTION	0.05	0.84	325.07	0	05:15	0.84
PWOPRMHS0001903	JUNCTION	0.01	0.23	332.95	0	05:15	0.23
PWOPRMHS0001904	JUNCTION	0.03	0.39	330.83	0	05:15	0.39
PWOPRMHS0001906	JUNCTION	0.03	0.46	319.26	0	05:15	0.46
PWOPRMHS0001907	JUNCTION	0.03	0.48	319.31	0	05:15	0.48
PWOPRMHS0001908	JUNCTION	0.01	0.23	319.78	0	05:15	0.23
PWOPRMHS0001911	JUNCTION	0.03	0.47	318.96	0	05:15	0.47
PWOPRMHS0001912	JUNCTION	0.23	1.08	318.59	0	05:15	1.08
PWOPRMHS0001914	JUNCTION	0.01	0.23	332.06	0	05:15	0.23
PWOPRMHS0001915	JUNCTION	0.03	0.38	329.57	0	05:15	0.38
PWOPRMHS0001916	JUNCTION	0.03	0.47	328.06	0	05:15	0.47
PWOPRMHS0001917	JUNCTION	0.02	0.37	319.61	0	05:15	0.37
PWOPRMHS0001918	JUNCTION	0.17	1.49	319.30	0	05:15	1.49
PWOPRMHS0001919	JUNCTION	0.02	0.41	328.21	0	05:15	0.41
PWOPRMHS0001925	JUNCTION	0.03	0.46	323.79	0	05:15	0.46
PWOPRMHS0001926	JUNCTION	0.04	0.56	323.25	0	05:15	0.56
PWOPRMHS0001927	JUNCTION	0.02	0.22	323.73	0	05:15	0.22
PWOPRMHS0001928	JUNCTION	0.07	0.98	323.18	0	05:15	0.98
PWOPRMHS0001929	JUNCTION	0.03	0.34	324.19	0	05:15	0.34
PWOPRMHS0001930	JUNCTION	0.04	0.51	323.58	0	05:15	0.51
PWOPRMHS0001931	JUNCTION	0.02	0.28	325.27	0	05:15	0.28
PWOPRMHS0001932	JUNCTION	0.03	0.40	325.71	0	05:15	0.40
PWOPRMHS0001933	JUNCTION	0.03	0.39	326.05	0	05:15	0.39
PWOPRMHS0001935	JUNCTION	0.03	0.34	326.37	0	05:15	0.34
PWOPRMHS0001937	JUNCTION	0.02	0.32	324.60	0	05:15	0.32
PWOPRMHS0001939	JUNCTION	0.01	0.15	327.66	0	05:15	0.15
PWOPRMHS0001941	JUNCTION	0.00	0.00	326.79	0	00:00	0.00
PWOPRMHS0001943	JUNCTION	0.03	0.33	326.75	0	05:15	0.33
PWOPRMHS0001944	JUNCTION	0.04	0.63	323.27	0	05:15	0.63
PWOPRMHS0001945	JUNCTION	0.00	0.00	323.32	0	00:00	0.00
PWOPRMHS0001947	JUNCTION	0.01	0.14	324.16	0	05:15	0.14
PWOPRMHS0002041	JUNCTION	0.03	0.38	329.45	0	05:15	0.38
PWOPRMHS0002042	JUNCTION	0.03	0.39	329.95	0	05:15	0.39
PWOPRMHS0002046	JUNCTION	0.01	0.09	330.81	0	05:15	0.09
PWOPRMHS0002050	JUNCTION	0.02	0.33	329.30	0	05:15	0.33
PWOPRMHS0002051	JUNCTION	0.06	1.00	329.27	0	05:15	1.00
PWOPRMHS0002080	JUNCTION	0.02	0.26	325.49	0	05:15	0.26
PWOPRMHS0002082	JUNCTION	0.02	0.29	327.00	0	05:15	0.29
PWOPRMHS0002083	JUNCTION	0.03	0.42	325.74	0	05:15	0.42
PWOPRMHS0002084	JUNCTION	0.04	0.65	325.62	0	05:15	0.65
PWOPRMHS0002085	JUNCTION	0.01	0.15	329.54	0	05:15	0.15
PWOPRMHS0002095	JUNCTION	0.01	0.18	336.22	0	05:15	0.18
PWOPRMHS0003136	JUNCTION	0.05	0.74	329.63	0	05:15	0.74
PWOPRMHS0003137	JUNCTION	0.04	0.58	330.08	0	05:15	0.58

PWOPRMHS0003140	JUNCTION	0.00	0.00	327.35	0	00:00	0.00
PWOPRMHS0003146	JUNCTION	0.05	0.76	335.36	0	05:15	0.76
PWOPRMHS0003147	JUNCTION	0.03	0.43	334.22	0	05:15	0.43
PWOPRMHS0003148	JUNCTION	0.04	0.62	332.51	0	05:15	0.62
PWOPRMHS0003149	JUNCTION	0.03	0.48	331.34	0	05:15	0.48
PWOPRMHS0003153	JUNCTION	0.02	0.39	336.55	0	05:15	0.39
PWOPRMHS0003160	JUNCTION	0.01	0.21	335.71	0	05:15	0.21
PWOPRMHS0004129	JUNCTION	0.02	0.34	329.41	0	05:15	0.34
PWOPRMHS0004130	JUNCTION	0.03	0.49	329.32	0	05:15	0.49
PWOPRMHS0004131	JUNCTION	0.03	0.41	328.98	0	05:15	0.41
PWOPRMHS0004132	JUNCTION	0.04	0.56	328.69	0	05:15	0.56
PWOPRMHS0004133	JUNCTION	0.03	0.46	329.25	0	05:15	0.46
PWOPRMHS0004134	JUNCTION	0.02	0.25	332.19	0	05:15	0.25
PWOPRMHS0004135	JUNCTION	0.02	0.37	332.80	0	05:15	0.37
PWOPRMHS0004137	JUNCTION	0.02	0.24	334.62	0	05:15	0.24
PWOPRMHS0004141	JUNCTION	0.05	0.76	328.14	0	05:15	0.76
PWOPRMHS0004142	JUNCTION	0.04	0.64	327.68	0	05:15	0.64
PWOPRMHS0004143	JUNCTION	0.02	0.35	328.13	0	05:15	0.35
PWOPRMHS0004146	JUNCTION	0.00	0.00	332.40	0	00:00	0.00
PWOPRMHS0004159	JUNCTION	0.02	0.27	329.90	0	05:15	0.27
PWOPRMHS0004201	JUNCTION	0.02	0.27	329.79	0	05:15	0.27
PWOPRMHS0004998	JUNCTION	0.00	0.04	326.77	0	05:15	0.04
PWOPRMHS0004999	JUNCTION	0.00	0.03	327.52	0	04:20	0.03
PWOPRMHS0005000	JUNCTION	0.03	0.40	327.39	0	05:13	0.40
PWOPRMHS0005001	JUNCTION	0.03	0.41	327.53	0	05:15	0.41
PWOPRMHS0005003	JUNCTION	0.08	1.22	327.41	0	05:15	1.22
PWOPRMHS0005008	JUNCTION	0.01	0.14	338.66	0	05:15	0.14
PWOPRMHS0005009	JUNCTION	0.01	0.10	339.49	0	05:15	0.10
PWOPRMHS0005010	JUNCTION	0.01	0.13	338.27	0	05:15	0.13
PWOPRMHS0005011	JUNCTION	0.02	0.38	335.36	0	05:15	0.38
PWOPRMHS0005012	JUNCTION	0.01	0.20	335.75	0	05:15	0.20
PWOPRMHS0005013	JUNCTION	0.02	0.31	335.11	0	05:15	0.31
PWOPRMHS0005178	JUNCTION	0.00	0.05	328.69	0	05:10	0.05
PWOPRMHS0005179	JUNCTION	0.04	0.65	326.85	0	05:15	0.65
PWOPRMHS0005181	JUNCTION	0.04	0.68	327.34	0	05:15	0.68
PWOPRMHS0005183	JUNCTION	0.03	0.50	328.24	0	05:15	0.50
PWOPRMHS0005188	JUNCTION	0.02	0.28	330.22	0	05:15	0.28
PWOPRMHS0005196	JUNCTION	0.02	0.26	328.47	0	05:15	0.26
PWOPRMHS0005223	JUNCTION	0.04	0.63	326.47	0	05:15	0.63
PWOPRMHS0005226	JUNCTION	0.04	0.63	326.09	0	05:15	0.63
PWOPRMHS0005229	JUNCTION	0.01	0.30	325.04	0	05:15	0.30
PWOPRMHS0005230	JUNCTION	0.03	0.43	324.98	0	05:15	0.43
PWOPRMHS0005231	JUNCTION	0.02	0.24	325.48	0	05:15	0.24
PWOPRMHS0005906	JUNCTION	0.00	0.00	319.63	0	00:00	0.00
PWOPRMHS0005908	JUNCTION	0.01	0.17	319.09	0	05:15	0.17
PWOPRMHS0005909	JUNCTION	0.02	0.32	318.76	0	05:15	0.32
PWOPRMHS0005910	JUNCTION	0.00	0.00	318.95	0	00:00	0.00
PWOPRMHS0005911	JUNCTION	0.00	0.00	319.29	0	00:00	0.00
PWOPRMHS0005924	JUNCTION	0.02	0.25	318.85	0	05:15	0.25
PWOPRMHS0005926	JUNCTION	0.03	0.39	318.44	0	05:15	0.39
PWOPRMHS0005927	JUNCTION	0.04	0.53	318.29	0	05:15	0.53
PWOPRMHS0005930	JUNCTION	0.04	0.55	317.80	0	05:15	0.55
PWOPRMHS0005931	JUNCTION	0.02	0.30	318.00	0	05:15	0.30
PWOPRMHS0005932	JUNCTION	0.01	0.18	318.06	0	05:15	0.18
PWOPRMHS0005944	JUNCTION	0.01	0.20	318.52	0	05:15	0.20
PWOPRMHS0005945	JUNCTION	0.02	0.28	318.50	0	05:15	0.28
PWOPRMHS0005946	JUNCTION	0.02	0.25	318.75	0	05:15	0.25

SWMPOND	JUNCTION	0.07	1.15	323.15	0	05:16	1.14
A1_OVERFLOW	OUTFALL	0.00	0.09	317.09	0	05:15	0.09
A2_OVERFLOW	OUTFALL	0.00	0.00	329.00	0	00:00	0.00
A3_OVERFLOW	OUTFALL	0.12	1.03	327.03	0	06:00	1.03
A4_OVERFLOW	OUTFALL	0.44	2.00	319.00	0	06:19	2.00
B1_OVERFLOW	OUTFALL	0.01	0.23	324.23	0	05:17	0.23
B2_OVERFLOW	OUTFALL	0.05	0.57	322.57	0	07:45	0.56
C1_OVERFLOW	OUTFALL	0.13	1.26	320.26	0	07:15	1.25
D1_OVERFLOW	OUTFALL	0.06	0.99	325.49	0	05:15	0.98
D2_OVERFLOW	OUTFALL	0.12	0.44	321.44	0	07:10	0.44
D3_OVERFLOW	OUTFALL	0.38	1.30	322.80	0	08:05	1.30
D4_OVERFLOW	OUTFALL	0.13	0.48	318.48	0	07:15	0.48
E1_OVERFLOW	OUTFALL	0.80	2.00	316.00	0	11:22	2.00
E2_OVERFLOW	OUTFALL	0.58	1.45	315.35	0	15:45	1.45
HanlonCreek	OUTFALL	0.00	0.00	300.00	0	00:00	0.00
S_A1	STORAGE	0.07	0.65	331.65	0	05:16	0.65
S_A2	STORAGE	0.14	0.78	330.78	0	06:37	0.78
S_A3	STORAGE	0.22	1.00	327.00	0	06:48	1.00
S_A4	STORAGE	0.72	1.98	319.98	0	08:37	1.98
S_B1	STORAGE	0.07	0.78	324.78	0	05:22	0.78
S_B2	STORAGE	0.23	1.24	323.24	0	05:22	1.24
S_C1	STORAGE	0.35	1.68	320.68	0	07:07	1.60
S_D1	STORAGE	0.19	1.05	325.55	0	06:15	1.05
S_D2	STORAGE	0.30	0.72	321.72	0	06:50	0.71
S_D3	STORAGE	0.69	1.88	323.38	0	08:26	1.87
S_D4	STORAGE	0.49	1.09	319.09	0	06:18	1.08
S_E1	STORAGE	1.35	3.00	317.00	0	11:55	2.99
S_E2	STORAGE	0.65	1.32	315.22	0	15:45	1.31

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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	
1	JUNCTION	9.041	9.041	0	05:15	59.3	59.3	-0.020	
11	JUNCTION	0.000	39.239	0	08:27	0	1.17e+03	0.000	
12	JUNCTION	0.000	39.402	0	08:26	0	1.17e+03	0.003	
13	JUNCTION	0.000	53.137	0	08:08	0	1.6e+03	0.025	
14	JUNCTION	29.717	35.176	0	05:15	205	264	0.003	
15	JUNCTION	0.000	53.491	0	11:56	0	1.62e+03	-0.037	
17	JUNCTION	0.000	36.542	0	15:35	0	1.65e+03	-0.019	
18	JUNCTION	1.356	18.832	0	05:14	8.38	113	-0.107	
19	JUNCTION	0.000	6.753	0	05:22	0	57.2	0.005	
2	JUNCTION	53.303	53.303	0	05:15	343	343	-0.068	
20	JUNCTION	22.573	29.295	0	05:30	168	264	0.008	
21	JUNCTION	17.273	34.523	0	06:50	91.5	1.01e+03	0.001	
22	JUNCTION	0.000	10.762	0	05:24	0	177	-0.035	
24	JUNCTION	0.571	16.485	0	05:24	2.5	217	0.041	
25	JUNCTION	0.000	11.258	0	05:25	0	171	-0.001	
26	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
27	JUNCTION	24.373	24.373	0	05:15	159	159	-0.037	

28	JUNCTION	114.997	123.656	0	06:00	1.48e+03	1.64e+03	0.009	
29	JUNCTION	0.000	13.008	0	06:15	0	189	-0.004	
3	JUNCTION	4.359	9.024	0	05:15	26.2	95.8	-0.025	
30	JUNCTION	0.000	7.829	0	06:50	0	325	0.000	
31	JUNCTION	0.000	7.798	0	06:50	0	325	0.001	
32	JUNCTION	0.000	7.795	0	06:51	0	325	0.000	
34	JUNCTION	0.000	9.407	0	06:17	0	385	0.005	
35	JUNCTION	0.000	9.595	0	06:17	0	385	-0.002	
36	JUNCTION	0.087	13.153	0	13:06	0.394	420	-0.020	
37	JUNCTION	19.713	25.542	0	05:17	82.6	131	0.003	
39	JUNCTION	0.000	23.237	0	08:27	0	726	0.007	
4	JUNCTION	0.210	0.210	0	05:15	1.34	1.34	-0.096	
40	JUNCTION	227.237	227.237	0	07:15	2.07e+03	2.12e+03	0.015	
42	JUNCTION	86.653	86.653	0	07:45	799	914	0.009	
48	JUNCTION	101.613	111.162	0	05:15	707	866	0.011	
49	JUNCTION	211.762	211.762	0	08:15	5.75e+03	5.75e+03	0.004	
5	JUNCTION	0.000	6.986	0	06:35	0	109	0.018	
50	JUNCTION	65.703	73.228	0	07:15	1.54e+03	1.86e+03	0.003	
53	JUNCTION	938.914	961.444	0	12:35	2.6e+04	2.76e+04	-0.009	
54	JUNCTION	380.759	420.889	0	15:45	1.39e+04	1.55e+04	0.015	
56	JUNCTION	11.094	35.111	0	15:35	45.7	1.69e+03	0.025	
6	JUNCTION	8.096	12.314	0	05:15	51.8	160	-0.048	
7	JUNCTION	589.713	632.410	0	06:40	1.13e+04	1.25e+04	0.000	
8	JUNCTION	12.094	72.412	0	05:15	83.2	710	-0.001	
9	JUNCTION	0.217	91.476	0	05:14	1.38	929	-0.033	
MHEasement1	JUNCTION	0.108	0.802	0	05:15	0.521	3.88	-0.039	
MHEasement2	JUNCTION	0.253	1.054	0	05:15	1.18	5.08	0.025	
MHSchool	JUNCTION	0.000	2.118	0	05:15	0	11.9	-0.016	
MHSWM4	JUNCTION	0.080	5.000	0	05:15	0.353	28	0.001	
PWOPRMHS0001369	JUNCTION	0.000	2.085	0	05:15	0	10.4	-0.003	
PWOPRMHS0001370	JUNCTION	0.000	0.694	0	05:15	0	3.36	-0.003	
PWOPRMHS0001371	JUNCTION	0.220	0.220	0	05:15	1.05	1.05	-0.001	
PWOPRMHS0001372	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001373	JUNCTION	0.000	0.441	0	05:15	0	2.14	-0.001	
PWOPRMHS0001374	JUNCTION	0.085	0.475	0	05:15	0.412	2.31	0.001	
PWOPRMHS0001375	JUNCTION	0.000	0.475	0	05:15	0	2.31	0.002	
PWOPRMHS0001386	JUNCTION	0.000	3.811	0	05:15	0	18.7	-0.026	
PWOPRMHS0001387	JUNCTION	0.000	2.757	0	05:15	0	13.6	-0.020	
PWOPRMHS0001388	JUNCTION	0.241	2.758	0	05:15	1.13	13.6	0.013	
PWOPRMHS0001389	JUNCTION	0.432	2.517	0	05:15	2.06	12.4	0.006	
PWOPRMHS0001390	JUNCTION	0.172	0.172	0	05:15	0.86	0.86	-0.002	
PWOPRMHS0001391	JUNCTION	0.000	0.360	0	05:15	0	1.74	-0.001	
PWOPRMHS0001392	JUNCTION	0.188	0.188	0	05:15	0.884	0.884	-0.001	
PWOPRMHS0001393	JUNCTION	0.348	1.644	0	05:15	1.85	8.23	0.001	
PWOPRMHS0001394	JUNCTION	0.000	0.359	0	05:15	0	1.89	1.097	
PWOPRMHS0001395	JUNCTION	0.462	0.462	0	05:15	2.13	2.32	0.730	
PWOPRMHS0001398	JUNCTION	0.475	0.475	0	05:15	2.22	2.22	-0.001	
PWOPRMHS0001399	JUNCTION	0.000	0.475	0	05:15	0	2.22	-0.001	
PWOPRMHS0001400	JUNCTION	0.000	0.475	0	05:15	0	2.23	0.050	
PWOPRMHS0001401	JUNCTION	0.225	0.918	0	11:58	1.05	6.15	0.178	
PWOPRMHS0001402	JUNCTION	0.177	1.510	0	11:58	0.85	9.92	1.679	
PWOPRMHS0001403	JUNCTION	0.569	4.920	0	05:15	3.14	27.7	-0.001	
PWOPRMHS0001404	JUNCTION	0.000	1.296	0	05:15	0	6.38	-0.027	
PWOPRMHS0001408	JUNCTION	0.814	0.814	0	05:15	3.78	3.78	-0.002	
PWOPRMHS0001409	JUNCTION	0.249	0.249	0	05:15	1.35	1.35	0.015	
PWOPRMHS0001410	JUNCTION	0.172	2.789	0	05:15	0.943	16	-0.005	
PWOPRMHS0001411	JUNCTION	0.083	0.653	0	05:15	0.5	4.21	0.015	

PWOPRMHS0001412	JUNCTION	0.039	0.569	0	05:15	0.251	3.71	-0.000	
PWOPRMHS0001413	JUNCTION	0.454	0.454	0	05:15	2.99	2.99	-0.001	
PWOPRMHS0001415	JUNCTION	0.000	2.085	0	05:15	0	10.4	-0.010	
PWOPRMHS0001416	JUNCTION	0.000	5.011	0	05:14	0	28	-0.004	
PWOPRMHS0001418	JUNCTION	0.262	6.806	0	05:13	1.3	32.7	-0.038	
PWOPRMHS0001419	JUNCTION	0.000	0.390	0	05:15	0	1.89	0.001	
PWOPRMHS0001420	JUNCTION	0.074	0.390	0	05:15	0.361	1.89	-0.000	
PWOPRMHS0001421	JUNCTION	0.000	0.316	0	05:15	0	1.53	-0.000	
PWOPRMHS0001422	JUNCTION	0.051	0.442	0	05:15	0.254	2.14	-0.008	
PWOPRMHS0001423	JUNCTION	0.052	0.391	0	05:15	0.247	1.88	0.037	
PWOPRMHS0001424	JUNCTION	0.340	0.340	0	05:15	1.64	1.64	-0.001	
PWOPRMHS0001428	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001429	JUNCTION	0.316	0.316	0	05:15	1.53	1.53	-0.001	
PWOPRMHS0001430	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001431	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001433	JUNCTION	0.708	0.902	0	05:15	3.4	3.43	0.273	
PWOPRMHS0001435	JUNCTION	0.104	0.104	0	05:15	0.607	0.607	0.041	
PWOPRMHS0001436	JUNCTION	0.106	8.221	0	05:14	0.529	45.2	0.001	
PWOPRMHS0001437	JUNCTION	0.000	2.085	0	05:15	0	11.9	0.011	
PWOPRMHS0001438	JUNCTION	0.000	8.262	0	05:14	0	45.8	-0.011	
PWOPRMHS0001467	JUNCTION	0.482	0.482	0	05:15	2.6	2.6	0.055	
PWOPRMHS0001597	JUNCTION	0.000	0.013	0	04:31	0	0.00961	2.202	
PWOPRMHS0001598	JUNCTION	0.266	0.623	0	05:15	1.83	4.34	0.014	
PWOPRMHS0001600	JUNCTION	0.680	0.680	0	05:15	3.96	3.96	-0.034	
PWOPRMHS0001601	JUNCTION	0.317	0.317	0	05:15	2.22	2.22	-0.001	
PWOPRMHS0001602	JUNCTION	0.026	0.356	0	05:15	0.192	2.51	-0.009	
PWOPRMHS0001603	JUNCTION	0.034	0.714	0	05:13	0.247	4.21	0.062	
PWOPRMHS0001604	JUNCTION	0.043	1.255	0	05:14	0.319	7.14	-0.026	
PWOPRMHS0001605	JUNCTION	0.498	0.500	0	05:14	2.61	2.62	0.003	
PWOPRMHS0001606	JUNCTION	0.246	6.769	0	05:15	1.35	38.8	0.014	
PWOPRMHS0001608	JUNCTION	0.000	4.656	0	05:15	0	25.9	-0.020	
PWOPRMHS0001610	JUNCTION	0.000	5.273	0	05:15	0	30.3	-0.004	
PWOPRMHS0001611	JUNCTION	0.049	4.312	0	04:25	0.273	11.8	1.476	
PWOPRMHS0001614	JUNCTION	0.050	4.918	0	04:53	0.247	11.8	-1.246	
PWOPRMHS0001622	JUNCTION	0.076	0.076	0	05:15	0.469	0.469	-0.001	
PWOPRMHS0001624	JUNCTION	0.000	0.461	0	05:15	0	2.85	0.000	
PWOPRMHS0001625	JUNCTION	0.160	0.621	0	05:15	0.891	3.74	-0.000	
PWOPRMHS0001626	JUNCTION	0.461	0.461	0	05:15	2.85	2.85	0.009	
PWOPRMHS0001634	JUNCTION	0.186	2.974	0	05:15	1.01	17	0.018	
PWOPRMHS0001642	JUNCTION	0.038	3.789	0	05:14	0.246	4.95	2.347	
PWOPRMHS0001643	JUNCTION	0.070	1.125	0	05:15	0.331	2.41	-1.318	
PWOPRMHS0001649	JUNCTION	0.068	0.922	0	05:15	0.422	5.48	0.000	
PWOPRMHS0001650	JUNCTION	0.000	0.647	0	05:15	0	3.89	-0.000	
PWOPRMHS0001651	JUNCTION	0.026	0.647	0	05:15	0.149	3.89	-0.000	
PWOPRMHS0001652	JUNCTION	0.000	0.922	0	05:15	0	5.48	-0.000	
PWOPRMHS0001653	JUNCTION	0.000	0.922	0	05:15	0	5.48	0.002	
PWOPRMHS0001654	JUNCTION	0.000	0.922	0	05:15	0	5.48	0.004	
PWOPRMHS0001655	JUNCTION	0.207	0.207	0	05:15	1.17	1.17	0.002	
PWOPRMHS0001657	JUNCTION	0.025	1.413	0	05:15	0.154	7.82	-0.018	
PWOPRMHS0001658	JUNCTION	0.361	0.361	0	05:15	2.01	2.01	0.004	
PWOPRMHS0001659	JUNCTION	1.027	1.027	0	05:15	5.66	5.66	0.024	
PWOPRMHS0001660	JUNCTION	0.058	2.426	0	05:15	0.297	11.9	0.000	
PWOPRMHS0001661B	JUNCTION	1.553	2.474	0	05:15	8.25	13.7	0.003	
PWOPRMHS0001662	JUNCTION	0.291	6.624	0	05:15	1.48	35	-0.030	
PWOPRMHS0001663	JUNCTION	0.021	3.908	0	05:15	0.148	21.7	-0.001	
PWOPRMHS0001664	JUNCTION	0.000	0.922	0	05:15	0	5.48	0.005	
PWOPRMHS0001667	JUNCTION	0.000	6.767	0	05:15	0	38.8	-0.011	

PWOPRMHS0001670	JUNCTION	0.069	6.826	0	05:15	0.457	39.2	0.095	
PWOPRMHS0001674	JUNCTION	0.000	8.290	0	05:15	0	45.6	0.002	
PWOPRMHS0001676	JUNCTION	0.063	1.274	0	05:15	0.305	7.16	-0.003	
PWOPRMHS0001677	JUNCTION	0.092	1.211	0	05:15	0.493	6.85	-0.011	
PWOPRMHS0001678	JUNCTION	0.391	0.391	0	05:15	2.22	2.22	0.002	
PWOPRMHS0001679	JUNCTION	0.000	0.776	0	05:15	0	4.27	0.001	
PWOPRMHS0001680	JUNCTION	0.092	1.413	0	05:15	0.51	7.79	-0.009	
PWOPRMHS0001682	JUNCTION	0.157	2.653	0	05:15	0.893	14.7	-0.007	
PWOPRMHS0001686	JUNCTION	0.072	2.384	0	05:15	0.404	13.2	-0.000	
PWOPRMHS0001687	JUNCTION	0.000	6.722	0	05:15	0	36.9	0.001	
PWOPRMHS0001688	JUNCTION	0.090	7.017	0	05:15	0.428	38.4	-0.000	
PWOPRMHS0001689	JUNCTION	0.123	6.723	0	05:15	0.608	36.9	0.008	
PWOPRMHS0001690	JUNCTION	0.056	3.948	0	05:15	0.27	21.6	0.000	
PWOPRMHS0001691	JUNCTION	0.168	3.894	0	05:15	0.811	21.3	-0.002	
PWOPRMHS0001692	JUNCTION	0.098	3.211	0	05:15	0.482	18.1	0.001	
PWOPRMHS0001695	JUNCTION	0.458	0.458	0	05:15	2.67	2.67	-0.013	
PWOPRMHS0001697	JUNCTION	0.545	0.545	0	05:15	2.69	2.69	0.045	
PWOPRMHS0001705	JUNCTION	0.206	0.206	0	05:15	1.04	1.04	-0.001	
PWOPRMHS0001706	JUNCTION	0.729	0.729	0	05:15	4.14	4.14	0.015	
PWOPRMHS0001713	JUNCTION	0.208	8.497	0	05:15	0.991	46.5	-0.006	
PWOPRMHS0001729	JUNCTION	0.000	0.721	0	05:15	0	4.16	-0.010	
PWOPRMHS0001732	JUNCTION	0.000	0.842	0	05:15	0	4.73	-0.011	
PWOPRMHS0001733	JUNCTION	0.213	0.213	0	05:15	1.06	1.06	0.023	
PWOPRMHS0001736	JUNCTION	0.069	0.826	0	05:15	0.334	4.08	-0.044	
PWOPRMHS0001739	JUNCTION	0.220	1.062	0	05:15	1.05	5.78	0.001	
PWOPRMHS0001740	JUNCTION	0.000	1.062	0	05:15	0	5.78	-0.001	
PWOPRMHS0001741	JUNCTION	0.115	0.115	0	05:15	0.568	0.568	0.110	
PWOPRMHS0001743	JUNCTION	0.114	3.324	0	05:15	0.561	18.6	-0.021	
PWOPRMHS0001744	JUNCTION	0.000	3.113	0	05:15	0	17.6	0.001	
PWOPRMHS0001745	JUNCTION	0.018	3.052	0	05:15	0.102	17.3	-0.003	
PWOPRMHS0001746	JUNCTION	0.063	3.114	0	05:15	0.301	17.6	0.001	
PWOPRMHS0001761	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001764	JUNCTION	0.591	1.205	0	05:15	3.29	6.66	0.041	
PWOPRMHS0001765	JUNCTION	0.614	0.614	0	05:15	3.37	3.37	-0.001	
PWOPRMHS0001766	JUNCTION	0.000	0.002	0	04:24	0	0.00103	0.233	
PWOPRMHS0001767	JUNCTION	0.154	1.716	0	05:15	0.843	9.48	-0.024	
PWOPRMHS0001768	JUNCTION	0.357	0.357	0	05:15	1.99	1.99	0.045	
PWOPRMHS0001788	JUNCTION	0.318	4.351	0	05:15	1.75	24.5	0.000	
PWOPRMHS0001791	JUNCTION	0.296	3.269	0	05:15	1.62	18.6	-0.030	
PWOPRMHS0001792	JUNCTION	0.165	3.853	0	05:15	0.894	21.8	0.031	
PWOPRMHS0001796	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001797	JUNCTION	0.420	0.420	0	05:15	2.29	2.29	-0.001	
PWOPRMHS0001798	JUNCTION	0.000	0.420	0	05:15	0	2.29	-0.001	
PWOPRMHS0001804	JUNCTION	0.090	0.090	0	05:15	0.555	0.555	-0.001	
PWOPRMHS0001836	JUNCTION	0.182	4.035	0	05:15	0.985	22.8	-0.019	
PWOPRMHS0001855	JUNCTION	0.072	1.945	0	05:15	0.482	11.2	-0.000	
PWOPRMHS0001856	JUNCTION	0.000	1.548	0	05:15	0	8.63	-0.002	
PWOPRMHS0001857	JUNCTION	0.140	2.085	0	05:15	0.699	11.9	-0.001	
PWOPRMHS0001858	JUNCTION	0.083	1.534	0	05:15	0.529	8.53	-0.000	
PWOPRMHS0001867	JUNCTION	0.165	0.165	0	05:15	0.916	0.916	-0.001	
PWOPRMHS0001874	JUNCTION	0.121	0.121	0	05:15	0.573	0.573	0.051	
PWOPRMHS0001878	JUNCTION	0.062	1.060	0	04:52	0.29	4.38	-0.382	
PWOPRMHS0001879	JUNCTION	0.000	4.805	0	05:13	0	6.67	-0.026	
PWOPRMHS0001881	JUNCTION	0.368	0.368	0	05:15	1.77	1.77	0.102	
PWOPRMHS0001889	JUNCTION	0.071	1.550	0	05:15	0.357	7.56	-0.020	
PWOPRMHS0001890	JUNCTION	0.027	2.254	0	05:15	0.177	11	0.005	
PWOPRMHS0001891	JUNCTION	0.213	0.213	0	05:15	1.02	1.02	-0.015	

PWOPRMHS0001894	JUNCTION	0.114	2.368	0	05:15	0.545	11.6	-0.006	
PWOPRMHS0001903	JUNCTION	0.697	0.697	0	05:15	3.84	3.84	-0.000	
PWOPRMHS0001904	JUNCTION	0.000	0.862	0	05:15	0	4.76	-0.001	
PWOPRMHS0001906	JUNCTION	0.057	1.057	0	05:15	0.306	5.15	0.008	
PWOPRMHS0001907	JUNCTION	0.000	0.551	0	05:15	0	2.66	-0.044	
PWOPRMHS0001908	JUNCTION	0.449	0.449	0	05:15	2.19	2.19	0.013	
PWOPRMHS0001911	JUNCTION	0.000	1.057	0	05:15	0	5.15	-0.003	
PWOPRMHS0001912	JUNCTION	0.374	9.956	0	05:15	1.76	54.2	-0.115	
PWOPRMHS0001914	JUNCTION	0.590	0.590	0	05:15	3.25	3.25	-0.000	
PWOPRMHS0001915	JUNCTION	0.015	1.548	0	05:15	0.101	8.63	0.002	
PWOPRMHS0001916	JUNCTION	0.235	1.783	0	05:15	1.53	10.2	0.003	
PWOPRMHS0001917	JUNCTION	0.551	0.551	0	05:15	2.66	2.66	0.057	
PWOPRMHS0001918	JUNCTION	0.279	8.531	0	05:15	1.39	47.3	0.101	
PWOPRMHS0001919	JUNCTION	0.402	0.402	0	05:15	1.9	1.9	0.013	
PWOPRMHS0001925	JUNCTION	0.242	1.500	0	05:15	1.41	8.84	-0.000	
PWOPRMHS0001926	JUNCTION	0.000	1.500	0	05:15	0	8.84	0.022	
PWOPRMHS0001927	JUNCTION	0.000	0.504	0	05:15	0	2.94	-0.016	
PWOPRMHS0001928	JUNCTION	0.266	3.795	0	05:09	1.55	22.3	-0.008	
PWOPRMHS0001929	JUNCTION	0.230	1.142	0	05:15	1.34	6.75	0.003	
PWOPRMHS0001930	JUNCTION	0.105	1.380	0	05:15	0.61	8.13	0.044	
PWOPRMHS0001931	JUNCTION	0.000	0.912	0	05:15	0	5.41	-0.000	
PWOPRMHS0001932	JUNCTION	0.000	0.912	0	05:15	0	5.41	-0.001	
PWOPRMHS0001933	JUNCTION	0.280	0.912	0	05:15	1.63	5.41	-0.001	
PWOPRMHS0001935	JUNCTION	0.000	0.633	0	05:15	0	3.78	-0.001	
PWOPRMHS0001937	JUNCTION	1.258	1.258	0	05:15	7.44	7.44	0.005	
PWOPRMHS0001939	JUNCTION	0.504	0.504	0	05:15	2.94	2.94	-0.001	
PWOPRMHS0001941	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001943	JUNCTION	0.633	0.633	0	05:15	3.78	3.78	-0.001	
PWOPRMHS0001944	JUNCTION	0.141	1.520	0	05:15	0.816	8.94	-0.061	
PWOPRMHS0001945	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0001947	JUNCTION	0.133	0.133	0	05:15	0.772	0.772	-0.001	
PWOPRMHS0002041	JUNCTION	1.057	1.057	0	05:15	6.1	6.1	0.001	
PWOPRMHS0002042	JUNCTION	0.722	0.722	0	05:15	4.16	4.16	0.037	
PWOPRMHS0002046	JUNCTION	0.112	0.112	0	05:15	0.627	0.627	-0.001	
PWOPRMHS0002050	JUNCTION	0.605	0.605	0	05:15	3.76	3.76	0.031	
PWOPRMHS0002051	JUNCTION	0.198	3.035	0	05:15	0.97	17.2	0.005	
PWOPRMHS0002080	JUNCTION	0.465	0.465	0	05:15	2.26	2.26	0.018	
PWOPRMHS0002082	JUNCTION	0.806	0.806	0	05:15	3.9	3.9	0.031	
PWOPRMHS0002083	JUNCTION	0.000	1.169	0	05:15	0	5.75	-0.000	
PWOPRMHS0002084	JUNCTION	0.310	1.479	0	05:15	1.45	7.2	0.021	
PWOPRMHS0002085	JUNCTION	0.363	0.363	0	05:15	1.86	1.86	-0.001	
PWOPRMHS0002095	JUNCTION	0.545	0.545	0	05:15	3.01	3.01	-0.005	
PWOPRMHS0003136	JUNCTION	0.030	2.312	0	05:15	0.168	12.8	0.000	
PWOPRMHS0003137	JUNCTION	0.111	2.282	0	05:15	0.602	12.6	0.002	
PWOPRMHS0003140	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0003146	JUNCTION	0.052	1.916	0	05:15	0.296	10.6	0.007	
PWOPRMHS0003147	JUNCTION	0.000	1.915	0	05:15	0	10.6	0.000	
PWOPRMHS0003148	JUNCTION	0.000	1.915	0	05:15	0	10.6	0.000	
PWOPRMHS0003149	JUNCTION	0.257	2.172	0	05:15	1.39	12	-0.002	
PWOPRMHS0003153	JUNCTION	0.776	0.776	0	05:15	4.27	4.27	-0.001	
PWOPRMHS0003160	JUNCTION	0.451	0.451	0	05:15	2.53	2.53	0.016	
PWOPRMHS0004129	JUNCTION	0.477	0.477	0	05:15	2.61	2.61	-0.001	
PWOPRMHS0004130	JUNCTION	0.045	1.041	0	05:15	0.26	5.73	-0.006	
PWOPRMHS0004131	JUNCTION	0.041	1.082	0	05:15	0.246	5.97	0.008	
PWOPRMHS0004132	JUNCTION	0.057	3.091	0	05:15	0.359	17	-0.020	
PWOPRMHS0004133	JUNCTION	0.081	1.127	0	05:15	0.454	6.05	-0.000	
PWOPRMHS0004134	JUNCTION	0.000	1.046	0	05:15	0	5.6	0.000	

PWOPRMHS0004135	JUNCTION	0.312	1.047	0	05:15	1.71	5.6	-0.004	
PWOPRMHS0004137	JUNCTION	0.069	0.735	0	05:15	0.374	3.89	0.004	
PWOPRMHS0004141	JUNCTION	0.000	3.440	0	05:15	0	18.8	0.021	
PWOPRMHS0004142	JUNCTION	0.355	3.820	0	05:15	1.98	21	-0.024	
PWOPRMHS0004143	JUNCTION	0.350	0.350	0	05:15	1.89	1.89	-0.001	
PWOPRMHS0004146	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0004159	JUNCTION	0.519	0.519	0	05:15	2.85	2.85	0.051	
PWOPRMHS0004201	JUNCTION	0.827	0.827	0	05:15	4.57	4.57	-0.001	
PWOPRMHS0004998	JUNCTION	0.013	0.013	0	05:15	0.0958	0.0958	-0.033	
PWOPRMHS0004999	JUNCTION	0.007	0.007	0	05:10	0.0479	0.0479	0.054	
PWOPRMHS0005000	JUNCTION	0.046	0.596	0	05:15	0.335	3.9	-0.036	
PWOPRMHS0005001	JUNCTION	0.544	0.544	0	05:15	3.52	3.52	-0.001	
PWOPRMHS0005003	JUNCTION	0.238	4.666	0	05:14	1.04	26	0.038	
PWOPRMHS0005008	JUNCTION	0.129	0.192	0	05:15	0.713	1.07	-0.000	
PWOPRMHS0005009	JUNCTION	0.064	0.064	0	05:15	0.355	0.355	-0.002	
PWOPRMHS0005010	JUNCTION	0.000	0.192	0	05:15	0	1.07	0.064	
PWOPRMHS0005011	JUNCTION	0.211	0.668	0	05:15	1.06	3.51	-0.008	
PWOPRMHS0005012	JUNCTION	0.265	0.265	0	05:15	1.39	1.39	-0.112	
PWOPRMHS0005013	JUNCTION	0.000	0.667	0	05:15	0	3.52	0.000	
PWOPRMHS0005178	JUNCTION	0.026	0.026	0	05:10	0.192	0.192	-0.157	
PWOPRMHS0005179	JUNCTION	0.168	2.134	0	05:15	0.823	11.8	-0.017	
PWOPRMHS0005181	JUNCTION	0.089	1.966	0	05:15	0.413	11	0.056	
PWOPRMHS0005183	JUNCTION	0.024	1.877	0	05:15	0.17	10.6	0.041	
PWOPRMHS0005188	JUNCTION	1.204	1.204	0	05:15	6.78	6.78	-0.003	
PWOPRMHS0005196	JUNCTION	0.649	0.649	0	05:15	3.66	3.66	-0.001	
PWOPRMHS0005223	JUNCTION	0.078	2.212	0	05:15	0.383	12.2	-0.014	
PWOPRMHS0005226	JUNCTION	0.134	2.346	0	05:15	0.634	12.9	-0.002	
PWOPRMHS0005229	JUNCTION	0.048	0.451	0	05:15	0.228	2.15	0.008	
PWOPRMHS0005230	JUNCTION	0.065	2.862	0	05:15	0.325	15.3	-0.106	
PWOPRMHS0005231	JUNCTION	0.404	0.404	0	05:15	1.92	1.92	-0.004	
PWOPRMHS0005906	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0005908	JUNCTION	0.139	0.139	0	05:15	0.804	0.804	-0.001	
PWOPRMHS0005909	JUNCTION	0.469	0.608	0	05:15	2.73	3.53	0.036	
PWOPRMHS0005910	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0005911	JUNCTION	0.000	0.000	0	00:00	0	0	0.000	ltr
PWOPRMHS0005924	JUNCTION	0.366	0.366	0	05:15	1.78	1.78	-0.067	
PWOPRMHS0005926	JUNCTION	0.137	0.745	0	05:15	0.767	4.3	-0.013	
PWOPRMHS0005927	JUNCTION	0.132	1.242	0	05:15	0.758	6.84	0.057	
PWOPRMHS0005930	JUNCTION	0.262	2.298	0	05:15	1.39	12.9	-0.286	
PWOPRMHS0005931	JUNCTION	0.087	0.558	0	05:15	0.599	3.33	0.011	
PWOPRMHS0005932	JUNCTION	0.237	0.237	0	05:15	1.35	1.35	-0.003	
PWOPRMHS0005944	JUNCTION	0.111	0.111	0	05:15	0.629	0.629	-0.006	
PWOPRMHS0005945	JUNCTION	0.000	0.471	0	05:15	0	2.73	0.000	
PWOPRMHS0005946	JUNCTION	0.360	0.360	0	05:15	2.1	2.1	-0.001	
SWMPOND	JUNCTION	0.496	4.888	0	04:49	2.79	27.7	-0.059	
A1_OVERFLOW	OUTFALL	0.000	30.408	0	05:15	0	194	0.000	
A2_OVERFLOW	OUTFALL	0.000	21.122	0	05:30	0	155	0.000	
A3_OVERFLOW	OUTFALL	0.000	107.137	0	06:00	0	1.35e+03	0.000	
A4_OVERFLOW	OUTFALL	0.000	587.715	0	06:40	0	1.13e+04	0.000	
B1_OVERFLOW	OUTFALL	0.000	18.656	0	05:17	0	73.3	0.000	
B2_OVERFLOW	OUTFALL	0.000	71.741	0	07:45	0	775	0.000	
C1_OVERFLOW	OUTFALL	0.000	200.282	0	07:15	0	1.87e+03	0.000	
D1_OVERFLOW	OUTFALL	0.000	94.218	0	05:15	0	677	0.000	
D2_OVERFLOW	OUTFALL	0.000	26.777	0	07:10	0	681	0.000	
D3_OVERFLOW	OUTFALL	0.000	186.742	0	08:05	0	5.02e+03	0.000	
D4_OVERFLOW	OUTFALL	0.000	63.013	0	07:15	0	1.49e+03	0.000	
E1_OVERFLOW	OUTFALL	0.000	939.429	0	12:25	0	2.6e+04	0.000	

E2_OVERFLOW	OUTFALL	0.000	384.695	0	15:45	0	1.39e+04	0.000
HanlonCreek	OUTFALL	0.000	33.006	0	15:38	0	1.69e+03	0.000
S_A1	STORAGE	0.000	4.892	0	05:15	0	69.5	0.002
S_A2	STORAGE	0.000	8.132	0	05:30	0	109	0.003
S_A3	STORAGE	0.000	19.724	0	06:00	0	285	0.066
S_A4	STORAGE	0.000	51.715	0	06:40	0	1.12e+03	0.007
S_B1	STORAGE	0.000	6.887	0	05:17	0	57.2	0.002
S_B2	STORAGE	0.000	14.650	0	07:45	0	144	0.003
S_C1	STORAGE	0.000	28.917	0	07:15	0	251	-0.013
S_D1	STORAGE	0.000	18.508	0	05:15	0	189	-0.004
S_D2	STORAGE	0.000	8.744	0	06:49	0	325	-0.006
S_D3	STORAGE	0.000	26.299	0	08:14	0	727	-0.002
S_D4	STORAGE	0.000	10.405	0	07:05	0	385	-0.001
S_E1	STORAGE	0.000	61.061	0	11:55	0	1.62e+03	0.012
S_E2	STORAGE	0.000	36.883	0	15:45	0	1.65e+03	0.004

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

Node	Type	Hours Surcharged	Max. Height Above Crown Meters	Min. Depth Below Rim Meters
15	JUNCTION	0.01	0.000	0.000
53	JUNCTION	0.01	0.000	0.000

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

Node	Hours Flooded	Maximum Rate CMS	Time of Max Occurrence days hr:min	Total Flood Volume 10^6 ltr	Maximum Ponded Depth Meters
15	0.01	5.681	0 12:35	0.011	0.000
53	0.01	18.548	0 11:55	0.023	0.000
S_E1	0.01	20.770	0 11:55	0.091	0.000

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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
S_A1	0.487	2	0	0	4.418	17	0 05:16	5.268

S_A2	4.473	4	0	0	26.166	24	0	06:37	6.986
S_A3	9.544	7	0	0	43.508	31	0	06:48	15.158
S_A4	103.749	23	0	0	291.003	65	0	08:37	39.069
S_B1	0.343	2	0	0	4.163	20	0	05:22	6.753
S_B2	6.148	7	0	0	33.377	39	0	05:22	13.285
S_C1	5.819	10	0	0	29.242	52	0	07:07	34.515
S_D1	9.881	6	0	0	55.356	33	0	06:15	13.008
S_D2	0.046	3	0	0	0.124	8	0	06:50	7.829
S_D3	10.047	21	0	0	28.184	58	0	08:26	23.237
S_D4	4.724	14	0	0	10.741	31	0	06:18	9.407
S_E1	0.490	31	0	0	1.604	100	0	11:55	53.491
S_E2	0.169	9	0	0	0.408	22	0	15:45	36.542

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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
A1_OVERFLOW	8.45	15.008	30.408	194.366
A2_OVERFLOW	10.39	9.999	21.122	154.784
A3_OVERFLOW	21.33	47.159	107.137	1352.256
A4_OVERFLOW	44.67	213.350	587.715	11343.293
B1_OVERFLOW	5.10	9.180	18.656	73.302
B2_OVERFLOW	16.87	33.117	71.741	774.588
C1_OVERFLOW	25.17	57.675	200.282	1873.413
D1_OVERFLOW	13.32	33.612	94.218	676.516
D2_OVERFLOW	46.74	12.377	26.777	680.946
D3_OVERFLOW	45.24	99.947	186.742	5020.915
D4_OVERFLOW	47.85	26.715	63.013	1494.489
E1_OVERFLOW	66.33	356.860	939.429	25961.593
E2_OVERFLOW	66.54	185.530	384.695	13869.512
HanlonCreek	99.76	14.231	33.006	1691.023
System	36.98	1114.759	33.006	65160.997

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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
1	CONDUIT	9.040	0	05:15	4.03	0.09	0.27
10	CONDUIT	18.330	0	05:24	1.81	0.86	0.90
11	CONDUIT	16.602	0	05:14	4.22	0.31	0.44
12	CONDUIT	8.625	0	06:18	3.81	0.72	0.73
13	CONDUIT	6.753	0	05:22	3.43	0.07	0.24
14	CONDUIT	6.752	0	05:22	2.39	0.06	0.36
15	CONDUIT	11.258	0	05:25	2.85	0.12	0.63

16	CONDUIT	53.324	0	05:13	4.37	0.52	0.88
17	CONDUIT	12.143	0	05:24	1.76	0.14	0.80
18	CONDUIT	88.118	0	05:15	10.43	0.81	0.85
19	CONDUIT	39.402	0	08:26	5.46	0.36	0.64
2	CONDUIT	5.268	0	05:20	2.17	0.04	0.31
20	CONDUIT	40.305	0	08:39	4.88	0.37	0.74
21	CONDUIT	53.092	0	08:29	4.39	0.65	0.85
22	CONDUIT	53.491	0	11:56	4.02	1.36	0.99
23	CONDUIT	57.886	0	12:35	5.37	2.05	0.82
24	CONDUIT	36.542	0	15:35	7.90	0.19	0.46
25	CONDUIT	0.000	0	00:00	0.00	0.00	0.23
26	CONDUIT	23.296	0	08:28	4.60	0.78	0.49
27	CONDUIT	24.357	0	05:15	5.95	0.21	0.49
28	CONDUIT	13.008	0	06:15	4.30	0.13	0.34
29	CONDUIT	7.798	0	06:50	3.48	0.08	0.27
3	CONDUIT	9.004	0	05:15	2.94	0.19	0.34
30	CONDUIT	7.795	0	06:51	3.42	0.07	0.27
31	CONDUIT	7.756	0	06:52	2.81	0.08	0.32
32	CONDUIT	9.407	0	06:17	3.21	0.20	0.33
33	CONDUIT	9.595	0	06:17	3.72	0.09	0.30
34	CONDUIT	9.165	0	05:18	3.82	0.09	0.38
35	CONDUIT	16.850	0	12:01	2.78	0.14	0.66
36	CONDUIT	4.892	0	05:15	3.12	0.06	0.23
37	CONDUIT	23.237	0	08:27	3.13	0.34	0.63
38	CONDUIT	13.006	0	06:15	4.39	0.11	0.33
39	CONDUIT	8.744	0	06:49	3.47	0.17	0.29
4	CONDUIT	6.986	0	06:35	2.89	0.07	0.28
40	CONDUIT	7.829	0	06:50	3.63	0.06	0.26
41	CONDUIT	35.111	0	15:35	4.46	0.23	0.66
43	CONDUIT	0.210	0	05:15	0.21	0.00	0.16
44	CONDUIT	51.715	0	06:40	8.16	0.75	0.74
45	CONDUIT	587.715	0	06:40	19.59	1.04	1.00
46	CONDUIT	30.408	0	05:15	20.57	0.01	0.05
47	CONDUIT	39.069	0	08:37	5.24	0.43	0.64
48	CONDUIT	8.132	0	05:30	4.16	0.09	0.27
49	CONDUIT	21.122	0	05:30	4.86	0.04	0.15
5	CONDUIT	7.042	0	06:37	2.75	0.10	0.30
50	CONDUIT	19.724	0	06:00	5.38	0.43	0.43
51	CONDUIT	107.137	0	06:00	6.90	0.35	0.52
52	CONDUIT	6.887	0	05:17	3.17	0.08	0.27
53	CONDUIT	18.656	0	05:17	5.31	0.03	0.12
54	CONDUIT	28.917	0	07:15	6.10	0.40	0.58
55	CONDUIT	200.282	0	07:15	10.58	0.48	0.64
56	CONDUIT	71.741	0	07:45	8.46	0.13	0.28
57	CONDUIT	14.650	0	07:45	4.44	0.15	0.40
58	CONDUIT	26.299	0	08:14	3.60	0.44	0.63
59	CONDUIT	186.742	0	08:05	9.56	0.50	0.65
6	CONDUIT	12.206	0	05:15	3.44	0.13	0.44
60	CONDUIT	18.508	0	05:15	4.96	0.32	0.43
61	CONDUIT	94.218	0	05:15	6.36	0.32	0.49
62	CONDUIT	26.777	0	07:10	4.02	0.09	0.22
63	CONDUIT	10.285	0	07:15	3.10	0.13	0.36
64	CONDUIT	63.013	0	07:15	8.68	0.10	0.24
65	CONDUIT	36.883	0	15:45	6.04	0.46	0.56
66	CONDUIT	384.695	0	15:45	17.65	0.60	0.73
67	CONDUIT	939.429	0	12:25	31.31	1.35	1.00
68	CONDUIT	61.061	0	11:55	4.36	0.41	0.98

7	CONDUIT	15.158	0	06:48	3.23	0.11	0.62
70	CONDUIT	33.006	0	15:38	3.25	1.32	0.78
8	CONDUIT	76.330	0	05:14	5.13	0.75	0.75
9	CONDUIT	14.672	0	05:22	2.53	0.18	0.70
PWOPRSES0001498	CONDUIT	0.475	0	05:15	1.47	0.05	0.16
PWOPRSES0001507	CONDUIT	0.814	0	05:15	1.78	0.09	0.20
PWOPRSES0001510	CONDUIT	0.482	0	05:15	1.33	0.04	0.17
PWOPRSES0001511	CONDUIT	0.391	0	05:15	1.46	0.04	0.14
PWOPRSES0001512	CONDUIT	0.000	0	00:00	0.00	0.00	0.02
PWOPRSES0001515	CONDUIT	0.000	0	00:00	0.00	0.00	0.02
PWOPRSES0001516	CONDUIT	0.316	0	05:15	2.17	0.02	0.09
PWOPRSES0001518	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
PWOPRSES0001519	CONDUIT	1.644	0	05:15	1.94	0.11	0.24
PWOPRSES0001520	CONDUIT	0.359	0	05:15	1.31	0.04	0.22
PWOPRSES0001521	CONDUIT	0.359	0	05:15	1.41	0.04	0.14
PWOPRSES0001522	CONDUIT	0.172	0	05:15	1.05	0.02	0.10
PWOPRSES0001524	CONDUIT	0.188	0	05:15	1.78	0.01	0.07
PWOPRSES0001525	CONDUIT	0.441	0	05:15	1.46	0.05	0.15
PWOPRSES0001530	CONDUIT	1.296	0	05:15	1.67	0.08	0.23
PWOPRSES0001534	CONDUIT	2.757	0	05:15	1.76	0.19	0.37
PWOPRSES0001535	CONDUIT	2.517	0	05:15	2.07	0.15	0.31
PWOPRSES0001536	CONDUIT	2.085	0	05:15	2.14	0.13	0.27
PWOPRSES0001537	CONDUIT	2.085	0	05:15	2.14	0.13	0.27
PWOPRSES0001538	CONDUIT	0.441	0	05:15	1.09	0.02	0.19
PWOPRSES0001541	CONDUIT	0.475	0	05:15	1.52	0.05	0.16
PWOPRSES0001542	CONDUIT	0.475	0	05:15	1.60	0.04	0.15
PWOPRSES0001543	CONDUIT	1.065	0	11:20	0.55	0.02	0.47
PWOPRSES0001544	CONDUIT	1.751	0	12:01	1.19	0.06	0.36
PWOPRSES0001545	CONDUIT	0.462	0	05:15	1.48	0.05	0.25
PWOPRSES0001546	CONDUIT	1.783	0	05:15	3.94	0.06	0.20
PWOPRSES0001547	CONDUIT	1.549	0	05:15	2.34	0.11	0.26
PWOPRSES0001548	CONDUIT	0.090	0	05:15	2.32	0.00	0.04
PWOPRSES0001551	CONDUIT	1.548	0	05:15	2.95	0.07	0.22
PWOPRSES0001555	CONDUIT	1.945	0	05:15	5.69	0.06	0.17
PWOPRSES0001556	CONDUIT	2.085	0	05:15	3.45	0.06	0.26
PWOPRSES0001557	CONDUIT	1.511	0	05:13	2.78	0.02	0.33
PWOPRSES0001558	CONDUIT	5.058	0	05:15	1.74	0.26	0.58
PWOPRSES0001559	CONDUIT	4.920	0	05:15	4.15	0.14	0.41
PWOPRSES0001564	CONDUIT	2.091	0	05:15	2.89	0.07	0.44
PWOPRSES0001565	CONDUIT	8.158	0	05:14	2.46	0.60	0.64
PWOPRSES0001566	CONDUIT	6.024	0	05:15	1.81	0.39	0.64
PWOPRSES0001567	CONDUIT	0.104	0	05:15	1.34	0.00	0.07
PWOPRSES0001571	CONDUIT	0.000	0	00:00	0.00	0.00	0.06
PWOPRSES0001572	CONDUIT	4.351	0	05:15	4.85	0.20	0.33
PWOPRSES0001575	CONDUIT	3.810	0	05:15	1.96	0.23	0.44
PWOPRSES0001576	CONDUIT	1.054	0	05:15	1.18	0.12	0.33
PWOPRSES0001577	CONDUIT	2.757	0	05:15	1.65	0.15	0.38
PWOPRSES0001579	CONDUIT	0.316	0	05:15	2.08	0.02	0.09
PWOPRSES0001580	CONDUIT	0.390	0	05:15	2.35	0.02	0.10
PWOPRSES0001581	CONDUIT	0.390	0	05:15	1.83	0.03	0.12
PWOPRSES0001582	CONDUIT	0.475	0	05:15	1.77	0.04	0.14
PWOPRSES0001583	CONDUIT	0.000	0	00:00	0.00	0.00	0.03
PWOPRSES0001584	CONDUIT	0.220	0	05:15	2.08	0.01	0.07
PWOPRSES0001585	CONDUIT	0.475	0	05:15	1.49	0.04	0.16
PWOPRSES0001586	CONDUIT	0.339	0	05:15	1.77	0.02	0.11
PWOPRSES0001587	CONDUIT	0.694	0	05:15	1.92	0.05	0.17
PWOPRSES0001633	CONDUIT	0.454	0	05:15	1.78	0.05	0.14

PWOPRSES0001634	CONDUIT	0.076	0	05:15	1.23	0.00	0.05
PWOPRSES0001654	CONDUIT	2.974	0	05:15	2.05	0.32	0.47
PWOPRSES0001655	CONDUIT	3.853	0	05:15	3.14	0.28	0.41
PWOPRSES0001656	CONDUIT	4.034	0	05:15	3.62	0.31	0.39
PWOPRSES0001658	CONDUIT	2.789	0	05:15	1.99	0.32	0.46
PWOPRSES0001660	CONDUIT	3.268	0	05:15	2.15	0.40	0.49
PWOPRSES0001662	CONDUIT	0.420	0	05:15	1.86	0.02	0.14
PWOPRSES0001663	CONDUIT	0.420	0	05:15	1.86	0.03	0.12
PWOPRSES0001667	CONDUIT	5.011	0	05:14	2.54	0.35	0.62
PWOPRSES0001679	CONDUIT	0.249	0	05:15	1.67	0.01	0.13
PWOPRSES0001680	CONDUIT	0.653	0	05:15	2.65	0.02	0.17
PWOPRSES0001681	CONDUIT	0.569	0	05:15	4.10	0.02	0.09
PWOPRSES0001682	CONDUIT	1.716	0	05:15	2.34	0.17	0.29
PWOPRSES0001684	CONDUIT	0.357	0	05:15	1.56	0.03	0.14
PWOPRSES0001687	CONDUIT	0.207	0	05:15	2.07	0.01	0.07
PWOPRSES0001688	CONDUIT	0.922	0	05:15	3.37	0.04	0.14
PWOPRSES0001698	CONDUIT	0.922	0	05:15	2.88	0.04	0.16
PWOPRSES0001699	CONDUIT	0.922	0	05:15	2.69	0.04	0.17
PWOPRSES0001711	CONDUIT	0.729	0	05:15	1.73	0.07	0.19
PWOPRSES0001712	CONDUIT	0.391	0	05:15	1.83	0.02	0.15
PWOPRSES0001713	CONDUIT	1.211	0	05:15	1.54	0.12	0.30
PWOPRSES0001718	CONDUIT	0.993	0	05:13	1.37	0.16	0.34
PWOPRSES0001720	CONDUIT	0.213	0	05:15	1.50	0.02	0.09
PWOPRSES0001721	CONDUIT	0.545	0	05:15	1.36	0.06	0.20
PWOPRSES0001724	CONDUIT	6.722	0	05:15	1.91	0.45	0.64
PWOPRSES0001725	CONDUIT	6.722	0	05:15	1.90	0.34	0.64
PWOPRSES0001728	CONDUIT	7.016	0	05:15	2.39	0.34	0.56
PWOPRSES0001730	CONDUIT	8.291	0	05:15	4.62	0.45	0.40
PWOPRSES0001732	CONDUIT	0.206	0	05:15	1.84	0.01	0.08
PWOPRSES0001733	CONDUIT	1.274	0	05:15	1.58	0.33	0.30
PWOPRSES0001744	CONDUIT	3.113	0	05:15	1.85	0.30	0.53
PWOPRSES0001745	CONDUIT	2.384	0	05:15	3.56	0.09	0.27
PWOPRSES0001747	CONDUIT	0.112	0	05:15	2.18	0.00	0.05
PWOPRSES0001748	CONDUIT	2.652	0	05:15	2.13	0.14	0.42
PWOPRSES0001750	CONDUIT	3.948	0	05:15	1.83	0.31	0.65
PWOPRSES0001753	CONDUIT	3.893	0	05:15	1.86	0.26	0.63
PWOPRSES0001754	CONDUIT	0.115	0	05:15	1.09	0.01	0.12
PWOPRSES0001755	CONDUIT	3.052	0	05:15	1.80	0.34	0.53
PWOPRSES0001756	CONDUIT	3.114	0	05:15	2.04	0.34	0.50
PWOPRSES0001757	CONDUIT	3.034	0	05:15	1.95	0.32	0.50
PWOPRSES0001758	CONDUIT	0.121	0	05:15	1.12	0.01	0.09
PWOPRSES0001759	CONDUIT	3.210	0	05:15	1.98	0.27	0.53
PWOPRSES0001760	CONDUIT	3.325	0	05:15	2.21	0.30	0.53
PWOPRSES0001761	CONDUIT	0.402	0	05:15	1.31	0.04	0.22
PWOPRSES0001765A	CONDUIT	1.067	0	05:15	1.21	0.12	0.35
PWOPRSES0001765B	CONDUIT	2.118	0	05:15	2.08	0.23	0.40
PWOPRSES0001766	CONDUIT	1.057	0	05:15	2.66	0.06	0.21
PWOPRSES0001768	CONDUIT	0.605	0	05:15	2.06	0.04	0.21
PWOPRSES0001770	CONDUIT	0.776	0	05:15	1.93	0.06	0.19
PWOPRSES0001771	CONDUIT	0.545	0	05:15	2.90	0.01	0.13
PWOPRSES0001774	CONDUIT	2.988	0	05:07	1.13	0.35	0.67
PWOPRSES0001775	CONDUIT	4.407	0	04:53	1.21	0.04	0.50
PWOPRSES0001776	CONDUIT	1.254	0	05:14	0.90	0.13	0.63
PWOPRSES0001777	CONDUIT	0.356	0	05:15	1.29	0.03	0.15
PWOPRSES0001778	CONDUIT	0.712	0	05:15	1.32	0.10	0.41
PWOPRSES0001779	CONDUIT	5.273	0	05:15	2.49	0.08	0.46
PWOPRSES0001780	CONDUIT	0.500	0	05:14	1.34	0.04	0.37

PWOPRSES0001781	CONDUIT	0.049	0	05:19	0.18	0.00	0.23
PWOPRSES0001782	CONDUIT	0.679	0	05:13	1.42	0.07	0.29
PWOPRSES0001783	CONDUIT	0.317	0	05:15	1.51	0.03	0.12
PWOPRSES0001784	CONDUIT	6.767	0	05:15	2.61	0.69	0.77
PWOPRSES0001785	CONDUIT	4.654	0	05:15	2.67	0.41	0.54
PWOPRSES0001786	CONDUIT	0.623	0	05:13	1.71	0.06	0.19
PWOPRSES0001790	CONDUIT	0.462	0	05:13	1.02	0.06	0.26
PWOPRSES0001791	CONDUIT	1.497	0	05:15	1.68	0.14	0.45
PWOPRSES0001797	CONDUIT	6.763	0	05:15	2.74	0.89	0.73
PWOPRSES0001798	CONDUIT	6.824	0	05:14	4.71	0.11	0.33
PWOPRSES0001803	CONDUIT	0.593	0	04:43	0.73	0.08	0.51
PWOPRSES0001806	CONDUIT	1.500	0	05:15	2.51	0.11	0.25
PWOPRSES0001807	CONDUIT	3.889	0	04:50	1.98	0.34	0.53
PWOPRSES0001808	CONDUIT	0.133	0	05:15	1.40	0.01	0.07
PWOPRSES0001809	CONDUIT	1.380	0	05:15	2.05	0.13	0.27
PWOPRSES0001810	CONDUIT	0.000	0	00:00	0.00	0.00	0.09
PWOPRSES0001812	CONDUIT	1.501	0	04:53	1.68	0.13	0.37
PWOPRSES0001819	CONDUIT	0.806	0	05:15	2.53	0.04	0.16
PWOPRSES0001821	CONDUIT	1.169	0	05:15	2.61	0.08	0.21
PWOPRSES0001822	CONDUIT	0.363	0	05:15	3.33	0.01	0.08
PWOPRSES0001823	CONDUIT	1.479	0	05:15	1.59	0.17	0.34
PWOPRSES0001824	CONDUIT	3.908	0	05:15	2.26	0.49	0.54
PWOPRSES0001825	CONDUIT	2.254	0	05:15	2.00	0.27	0.39
PWOPRSES0001826	CONDUIT	1.550	0	05:15	1.51	0.37	0.36
PWOPRSES0001827	CONDUIT	2.367	0	05:15	1.86	0.28	0.43
PWOPRSES0001828	CONDUIT	2.425	0	05:15	1.96	0.23	0.42
PWOPRSES0001829	CONDUIT	6.623	0	05:15	2.01	0.12	0.38
PWOPRSES0001840	CONDUIT	2.113	0	04:53	1.66	0.17	0.53
PWOPRSES0001841	CONDUIT	4.876	0	04:53	2.95	0.26	0.64
PWOPRSES0001842	CONDUIT	3.199	0	05:03	2.75	0.11	0.58
PWOPRSES0001844	CONDUIT	0.213	0	05:15	1.53	0.01	0.14
PWOPRSES0001845	CONDUIT	0.465	0	05:15	1.59	0.04	0.17
PWOPRSES0001855	CONDUIT	1.533	0	05:15	3.35	0.07	0.20
PWOPRSES0001856	CONDUIT	0.590	0	05:15	3.36	0.02	0.10
PWOPRSES0001861	CONDUIT	0.165	0	05:15	1.59	0.01	0.07
PWOPRSES0001862	CONDUIT	0.449	0	05:15	2.23	0.02	0.12
PWOPRSES0001865	CONDUIT	0.861	0	05:15	2.02	0.08	0.19
PWOPRSES0001866	CONDUIT	0.697	0	05:15	3.81	0.02	0.11
PWOPRSES0001868	CONDUIT	0.554	0	05:15	0.99	0.07	0.24
PWOPRSES0001890	CONDUIT	1.027	0	05:15	2.50	0.07	0.22
PWOPRSES0001891	CONDUIT	0.922	0	05:15	2.33	0.06	0.18
PWOPRSES0001892	CONDUIT	0.361	0	05:15	1.11	0.04	0.21
PWOPRSES0001895	CONDUIT	0.621	0	05:15	2.35	0.03	0.14
PWOPRSES0001896	CONDUIT	0.647	0	05:15	2.83	0.03	0.13
PWOPRSES0001897	CONDUIT	0.647	0	05:15	2.29	0.03	0.15
PWOPRSES0001899	CONDUIT	0.461	0	05:15	2.02	0.02	0.13
PWOPRSES0001900	CONDUIT	0.461	0	05:15	1.99	0.02	0.13
PWOPRSES0001904	CONDUIT	0.922	0	05:15	1.26	0.07	0.32
PWOPRSES0001905	CONDUIT	2.474	0	05:15	1.57	0.26	0.51
PWOPRSES0001906	CONDUIT	1.413	0	05:15	1.15	0.14	0.45
PWOPRSES0001919	CONDUIT	0.005	0	05:16	0.04	0.00	0.10
PWOPRSES0001930	CONDUIT	0.614	0	05:15	1.66	0.06	0.18
PWOPRSES0001931	CONDUIT	1.205	0	05:15	1.71	0.18	0.28
PWOPRSES0001932	CONDUIT	0.000	0	00:00	0.00	0.00	0.06
PWOPRSES0001941	CONDUIT	1.258	0	05:15	3.18	0.05	0.18
PWOPRSES0001942	CONDUIT	0.912	0	05:15	3.53	0.04	0.14
PWOPRSES0001943	CONDUIT	0.912	0	05:15	2.07	0.08	0.20

PWOPRSES0001944	CONDUIT	0.912	0	05:15	2.13	0.08	0.19
PWOPRSES0001951	CONDUIT	0.000	0	00:00	0.00	0.00	0.08
PWOPRSES0001952	CONDUIT	0.633	0	05:15	1.83	0.06	0.17
PWOPRSES0001960	CONDUIT	0.633	0	05:15	1.87	0.06	0.16
PWOPRSES0001961	CONDUIT	1.142	0	05:15	2.73	0.06	0.19
PWOPRSES0001962	CONDUIT	1.525	0	05:09	1.62	0.15	0.38
PWOPRSES0001963	CONDUIT	0.504	0	05:15	1.74	0.02	0.22
PWOPRSES0001968	CONDUIT	0.504	0	05:15	4.66	0.01	0.08
PWOPRSES0001972	CONDUIT	0.551	0	05:15	1.38	0.06	0.19
PWOPRSES0001976	CONDUIT	8.528	0	05:15	3.00	0.70	0.56
PWOPRSES0001977	CONDUIT	1.057	0	05:15	2.10	0.08	0.22
PWOPRSES0001978	CONDUIT	9.954	0	05:15	4.65	0.26	0.47
PWOPRSES0001979	CONDUIT	1.057	0	05:15	2.32	0.06	0.20
PWOPRSES0001984	CONDUIT	8.253	0	05:15	2.73	0.59	0.59
PWOPRSES0002119	CONDUIT	0.721	0	05:15	1.71	0.07	0.19
PWOPRSES0002120	CONDUIT	0.844	0	05:15	1.34	0.07	0.26
PWOPRSES0002121	CONDUIT	0.721	0	05:15	1.20	0.10	0.25
PWOPRSES0002122	CONDUIT	1.062	0	05:15	1.67	0.08	0.28
PWOPRSES0003435	CONDUIT	2.282	0	05:15	2.82	0.10	0.30
PWOPRSES0003436	CONDUIT	2.312	0	05:15	2.47	0.21	0.34
PWOPRSES0003439	CONDUIT	0.000	0	00:00	0.00	0.00	0.04
PWOPRSES0003446	CONDUIT	1.915	0	05:15	1.93	0.28	0.35
PWOPRSES0003447	CONDUIT	1.915	0	05:15	4.68	0.05	0.19
PWOPRSES0003448	CONDUIT	1.915	0	05:15	3.08	0.08	0.25
PWOPRSES0003449	CONDUIT	2.172	0	05:15	3.74	0.10	0.24
PWOPRSES0003457	CONDUIT	0.776	0	05:15	1.72	0.06	0.20
PWOPRSES0003465	CONDUIT	0.451	0	05:15	2.38	0.02	0.14
PWOPRSES0003466	CONDUIT	1.412	0	05:15	1.73	0.13	0.31
PWOPRSES0004584	CONDUIT	1.046	0	05:15	3.38	0.04	0.15
PWOPRSES0004585	CONDUIT	1.046	0	05:15	2.77	0.03	0.18
PWOPRSES0004586	CONDUIT	1.126	0	05:15	2.48	0.07	0.20
PWOPRSES0004587	CONDUIT	0.477	0	05:15	1.29	0.04	0.18
PWOPRSES0004588	CONDUIT	1.041	0	05:15	1.96	0.11	0.23
PWOPRSES0004589	CONDUIT	0.735	0	05:15	2.47	0.03	0.15
PWOPRSES0004590	CONDUIT	1.081	0	05:15	2.10	0.06	0.23
PWOPRSES0004591	CONDUIT	3.091	0	05:15	2.32	0.15	0.33
PWOPRSES0004592	CONDUIT	3.440	0	05:15	2.44	0.16	0.34
PWOPRSES0004593	CONDUIT	0.350	0	05:15	1.43	0.01	0.22
PWOPRSES0004594	CONDUIT	3.819	0	05:15	1.69	0.19	0.47
PWOPRSES0004597	CONDUIT	0.000	0	00:00	0.00	0.00	0.05
PWOPRSES0004603	CONDUIT	0.519	0	05:15	1.87	0.04	0.15
PWOPRSES0004637	CONDUIT	0.827	0	05:15	3.38	0.04	0.13
PWOPRSES0005529	CONDUIT	0.013	0	05:15	0.45	0.00	0.06
PWOPRSES0005530	CONDUIT	0.007	0	04:20	0.82	0.00	0.05
PWOPRSES0005531	CONDUIT	0.544	0	05:15	1.34	0.10	0.19
PWOPRSES0005532	CONDUIT	0.610	0	05:05	0.86	0.05	0.41
PWOPRSES0005534	CONDUIT	4.656	0	05:15	2.41	0.50	0.59
PWOPRSES0005535	CONDUIT	0.064	0	05:15	1.02	0.01	0.05
PWOPRSES0005536	CONDUIT	0.192	0	05:15	2.14	0.01	0.07
PWOPRSES0005537	CONDUIT	0.192	0	05:15	1.66	0.01	0.10
PWOPRSES0005539	CONDUIT	0.265	0	05:15	1.34	0.02	0.12
PWOPRSES0005540	CONDUIT	0.667	0	05:15	2.00	0.04	0.16
PWOPRSES0005541	CONDUIT	0.667	0	05:15	2.56	0.04	0.14
PWOPRSES0005710	CONDUIT	8.498	0	05:15	4.45	0.08	0.25
PWOPRSES0005734	CONDUIT	0.026	0	05:10	0.47	0.00	0.17
PWOPRSES0005735	CONDUIT	1.966	0	05:15	2.25	0.20	0.32
PWOPRSES0005736	CONDUIT	1.877	0	05:15	2.86	0.12	0.26

PWOPRSES0005739	CONDUIT	1.204	0	05:15	2.84	0.04	0.19
PWOPRSES0005744	CONDUIT	0.649	0	05:15	1.58	0.03	0.19
PWOPRSES0005766	CONDUIT	2.134	0	05:15	2.57	0.18	0.31
PWOPRSES0005767	CONDUIT	2.212	0	05:15	2.64	0.21	0.31
PWOPRSES0005768	CONDUIT	2.346	0	05:15	2.80	0.20	0.31
PWOPRSES0005769	CONDUIT	2.862	0	05:15	0.81	0.04	0.52
PWOPRSES0005770	CONDUIT	0.404	0	05:15	1.56	0.03	0.14
PWOPRSES0005771	CONDUIT	0.451	0	05:15	1.24	0.02	0.17
PWOPRSES0006537	CONDUIT	0.111	0	05:15	0.53	0.01	0.12
PWOPRSES0006538	CONDUIT	0.000	0	00:00	0.00	0.00	0.10
PWOPRSES0006542	CONDUIT	0.139	0	05:15	1.10	0.01	0.08
PWOPRSES0006547	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
PWOPRSES0006548	CONDUIT	0.000	0	00:00	0.00	0.00	0.02
PWOPRSES0006549	CONDUIT	0.608	0	05:15	1.83	0.05	0.16
PWOPRSES0006550	CONDUIT	0.744	0	05:15	1.79	0.08	0.19
PWOPRSES0006551	CONDUIT	0.366	0	05:15	1.52	0.03	0.13
PWOPRSES0006552	CONDUIT	1.241	0	05:15	1.88	0.12	0.26
PWOPRSES0006553	CONDUIT	2.297	0	05:15	1.76	0.07	0.27
PWOPRSES0006554	CONDUIT	0.558	0	05:15	1.84	0.03	0.17
PWOPRSES0006555	CONDUIT	0.237	0	05:15	0.91	0.02	0.15
PWOPRSES0006576	CONDUIT	0.360	0	05:15	1.64	0.03	0.12
PWOPRSES0006577	CONDUIT	0.471	0	05:15	1.80	0.04	0.14
STMEasement	CONDUIT	0.802	0	05:15	1.34	0.07	0.25
SWMPOND_OUT	CONDUIT	5.269	0	04:42	1.31	0.14	0.64

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Flow Classification Summary
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Conduit	Adjusted /Actual Length	Dry	Up Dry	Down Dry	Sub Crit	Sup Crit	Up Crit	Down Crit	Norm Ltd	Inlet Ctrl
		---------- Fraction of Time in Flow Class ----------								
1	1.00	0.44	0.00	0.00	0.50	0.06	0.00	0.00	0.24	0.00
10	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.38	0.00
11	1.00	0.00	0.00	0.00	0.97	0.03	0.00	0.00	0.06	0.00
12	1.00	0.00	0.00	0.00	0.67	0.32	0.00	0.00	0.09	0.00
13	1.00	0.00	0.00	0.00	0.79	0.21	0.00	0.00	0.04	0.00
14	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.99	0.00
15	1.00	0.00	0.00	0.00	0.73	0.27	0.00	0.00	0.87	0.00
16	1.00	0.00	0.31	0.00	0.66	0.03	0.00	0.00	0.97	0.00
17	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.91	0.00
18	1.00	0.00	0.00	0.00	0.89	0.11	0.00	0.00	0.93	0.00
19	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.79	0.00
2	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.94	0.00
20	1.00	0.00	0.00	0.00	0.68	0.32	0.00	0.00	0.83	0.00
21	1.00	0.00	0.00	0.00	0.89	0.11	0.00	0.00	0.11	0.00
22	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.11	0.00
23	1.00	0.00	0.00	0.00	0.74	0.26	0.00	0.00	0.01	0.00
24	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.81	0.00
25	1.00	0.25	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	1.00	0.00	0.00	0.00	0.66	0.34	0.00	0.00	0.71	0.00
27	1.00	0.25	0.00	0.00	0.69	0.06	0.00	0.00	0.24	0.00
28	1.00	0.00	0.00	0.00	0.29	0.71	0.00	0.00	0.08	0.00
29	1.00	0.00	0.00	0.00	0.33	0.66	0.00	0.00	0.25	0.00

3	1.00	0.00	0.00	0.00	0.98	0.02	0.00	0.00	0.04	0.00
30	1.00	0.00	0.00	0.00	0.32	0.68	0.00	0.00	0.88	0.00
31	1.00	0.00	0.00	0.00	0.66	0.34	0.00	0.00	0.79	0.00
32	1.00	0.00	0.00	0.00	0.49	0.50	0.00	0.00	0.00	0.00
33	1.00	0.00	0.00	0.00	0.30	0.69	0.00	0.00	0.73	0.00
34	1.00	0.00	0.00	0.00	0.45	0.55	0.00	0.00	0.17	0.00
35	1.00	0.00	0.00	0.00	0.97	0.03	0.00	0.00	0.83	0.00
36	1.00	0.00	0.48	0.00	0.34	0.17	0.00	0.00	0.90	0.00
37	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.74	0.00
38	1.00	0.00	0.00	0.00	0.89	0.10	0.00	0.00	0.99	0.00
39	1.00	0.00	0.00	0.00	0.47	0.53	0.00	0.00	0.01	0.00
4	1.00	0.01	0.00	0.00	0.76	0.23	0.00	0.00	0.87	0.00
40	1.00	0.00	0.00	0.00	0.27	0.73	0.00	0.00	0.76	0.00
41	1.00	0.00	0.00	0.00	0.48	0.52	0.00	0.00	0.99	0.00
43	1.00	0.54	0.00	0.00	0.46	0.00	0.00	0.00	0.22	0.00
44	1.00	0.00	0.00	0.00	0.72	0.28	0.00	0.00	0.65	0.00
45	1.00	0.55	0.00	0.00	0.00	0.45	0.00	0.00	0.10	0.00
46	10.96	0.92	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00
47	1.00	0.00	0.00	0.00	0.15	0.84	0.00	0.00	0.19	0.00
48	1.00	0.00	0.12	0.00	0.74	0.13	0.00	0.00	0.91	0.00
49	1.00	0.90	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00
5	1.00	0.00	0.01	0.00	0.88	0.12	0.00	0.00	0.05	0.00
50	1.00	0.00	0.00	0.00	0.80	0.20	0.00	0.00	0.82	0.00
51	1.00	0.79	0.00	0.00	0.00	0.21	0.00	0.00	0.03	0.00
52	1.00	0.00	0.58	0.00	0.33	0.09	0.00	0.00	0.93	0.00
53	1.20	0.95	0.00	0.00	0.00	0.05	0.00	0.00	0.01	0.00
54	1.00	0.00	0.58	0.00	0.28	0.14	0.00	0.00	0.84	0.00
55	1.00	0.75	0.00	0.00	0.00	0.25	0.00	0.00	0.05	0.00
56	1.00	0.83	0.00	0.00	0.00	0.17	0.00	0.00	0.03	0.00
57	1.00	0.00	0.12	0.00	0.79	0.08	0.00	0.00	0.84	0.00
58	1.00	0.00	0.41	0.00	0.49	0.09	0.00	0.00	0.71	0.00
59	1.00	0.55	0.00	0.00	0.00	0.45	0.00	0.00	0.09	0.00
6	1.00	0.00	0.00	0.00	0.98	0.02	0.00	0.00	0.99	0.00
60	1.00	0.00	0.49	0.00	0.40	0.11	0.00	0.00	0.79	0.00
61	1.00	0.87	0.00	0.00	0.00	0.13	0.00	0.00	0.02	0.00
62	1.00	0.53	0.00	0.00	0.00	0.47	0.00	0.00	0.05	0.00
63	1.00	0.00	0.00	0.00	0.86	0.14	0.00	0.00	0.71	0.00
64	1.27	0.52	0.00	0.00	0.00	0.48	0.00	0.00	0.09	0.00
65	1.17	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.65	0.00
66	1.49	0.33	0.00	0.00	0.00	0.67	0.00	0.00	0.11	0.00
67	1.68	0.34	0.00	0.00	0.00	0.66	0.00	0.00	0.14	0.00
68	1.46	0.00	0.00	0.00	0.99	0.01	0.00	0.00	0.49	0.00
7	1.00	0.00	0.00	0.00	0.86	0.14	0.00	0.00	0.99	0.00
70	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
8	1.00	0.00	0.00	0.00	0.92	0.08	0.00	0.00	0.00	0.00
9	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.85	0.00
PWOPRSES0001498	1.00	0.00	0.00	0.00	0.15	0.05	0.00	0.79	0.00	0.00
PWOPRSES0001507	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001510	1.00	0.00	0.00	0.00	0.03	0.01	0.00	0.95	0.00	0.00
PWOPRSES0001511	1.00	0.00	0.00	0.00	0.00	0.26	0.00	0.74	0.00	0.00
PWOPRSES0001512	1.00	0.98	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001515	1.00	0.97	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001516	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001518	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001519	1.00	0.69	0.00	0.00	0.05	0.00	0.00	0.26	0.00	0.00
PWOPRSES0001520	1.00	0.63	0.02	0.00	0.21	0.00	0.00	0.13	0.86	0.00
PWOPRSES0001521	1.00	0.69	0.00	0.00	0.01	0.00	0.00	0.30	0.82	0.00

PWOPRSES0001522	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001524	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001525	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001530	1.00	0.70	0.00	0.00	0.29	0.00	0.00	0.01	0.16	0.00
PWOPRSES0001534	1.00	0.60	0.09	0.00	0.28	0.00	0.00	0.03	0.86	0.00
PWOPRSES0001535	1.00	0.69	0.00	0.00	0.31	0.00	0.00	0.00	0.16	0.00
PWOPRSES0001536	1.00	0.69	0.00	0.00	0.05	0.00	0.00	0.26	0.00	0.00
PWOPRSES0001537	1.00	0.69	0.00	0.00	0.28	0.00	0.00	0.03	0.00	0.00
PWOPRSES0001538	1.00	0.69	0.01	0.00	0.30	0.00	0.00	0.00	1.00	0.00
PWOPRSES0001541	1.00	0.70	0.00	0.00	0.24	0.05	0.00	0.00	0.90	0.00
PWOPRSES0001542	1.00	0.62	0.08	0.00	0.18	0.00	0.00	0.11	0.89	0.00
PWOPRSES0001543	1.00	0.00	0.54	0.00	0.45	0.00	0.00	0.00	0.94	0.00
PWOPRSES0001544	1.00	0.00	0.51	0.00	0.49	0.00	0.00	0.00	0.91	0.00
PWOPRSES0001545	1.00	0.62	0.01	0.00	0.20	0.00	0.00	0.16	0.85	0.00
PWOPRSES0001546	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001547	1.00	0.00	0.00	0.00	0.00	0.13	0.00	0.87	0.00	0.00
PWOPRSES0001548	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001551	1.00	0.00	0.00	0.00	0.00	0.05	0.00	0.95	0.00	0.00
PWOPRSES0001555	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001556	1.00	0.00	0.70	0.00	0.00	0.30	0.00	0.00	1.00	0.00
PWOPRSES0001557	1.65	0.00	0.00	0.00	0.02	0.01	0.00	0.97	0.01	0.00
PWOPRSES0001558	1.00	0.00	0.00	0.00	0.31	0.01	0.00	0.68	0.01	0.00
PWOPRSES0001559	1.00	0.00	0.67	0.00	0.02	0.31	0.00	0.00	1.00	0.00
PWOPRSES0001564	1.00	0.00	0.00	0.00	0.02	0.01	0.00	0.97	0.00	0.00
PWOPRSES0001565	1.00	0.66	0.00	0.00	0.33	0.00	0.00	0.00	0.86	0.00
PWOPRSES0001566	1.00	0.00	0.00	0.00	0.13	0.00	0.00	0.87	0.00	0.00
PWOPRSES0001567	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.01	0.00
PWOPRSES0001571	1.00	0.84	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001572	1.00	0.00	0.00	0.00	0.67	0.33	0.00	0.00	0.00	0.00
PWOPRSES0001575	1.00	0.00	0.47	0.00	0.52	0.00	0.00	0.00	0.78	0.00
PWOPRSES0001576	1.00	0.48	0.04	0.00	0.49	0.00	0.00	0.00	0.80	0.00
PWOPRSES0001577	1.00	0.48	0.08	0.00	0.44	0.00	0.00	0.00	0.81	0.00
PWOPRSES0001579	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001580	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001581	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.98	0.00	0.00
PWOPRSES0001582	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001583	1.12	0.95	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001584	1.13	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001585	1.00	0.00	0.00	0.00	0.92	0.08	0.00	0.00	0.91	0.00
PWOPRSES0001586	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001587	1.00	0.69	0.02	0.00	0.17	0.13	0.00	0.00	0.96	0.00
PWOPRSES0001633	1.00	0.00	0.68	0.00	0.04	0.28	0.00	0.00	0.82	0.00
PWOPRSES0001634	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001654	1.00	0.00	0.00	0.00	0.05	0.01	0.00	0.94	0.00	0.00
PWOPRSES0001655	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0001656	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001658	1.00	0.00	0.68	0.00	0.32	0.00	0.00	0.00	0.89	0.00
PWOPRSES0001660	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001662	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0001663	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001667	1.00	0.00	0.00	0.00	0.02	0.08	0.00	0.89	0.01	0.00
PWOPRSES0001679	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.01	0.00
PWOPRSES0001680	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0001681	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001682	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0001684	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0001687	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.97	0.00	0.00

PWOPRSES0001688	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001698	1.00	0.00	0.70	0.00	0.01	0.29	0.00	0.00	0.09	0.00
PWOPRSES0001699	1.00	0.00	0.00	0.00	0.00	0.03	0.00	0.97	0.00	0.00
PWOPRSES0001711	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0001712	1.51	0.00	0.00	0.00	0.02	0.01	0.00	0.97	0.00	0.00
PWOPRSES0001713	1.00	0.00	0.00	0.00	0.06	0.01	0.00	0.93	0.00	0.00
PWOPRSES0001718	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.01	0.00
PWOPRSES0001720	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001721	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.97	0.01	0.00
PWOPRSES0001724	1.00	0.69	0.00	0.00	0.31	0.00	0.00	0.00	0.08	0.00
PWOPRSES0001725	1.00	0.69	0.00	0.00	0.06	0.00	0.00	0.25	0.00	0.00
PWOPRSES0001728	1.00	0.69	0.00	0.00	0.00	0.00	0.00	0.31	0.00	0.00
PWOPRSES0001730	1.00	0.69	0.00	0.00	0.18	0.13	0.00	0.00	0.01	0.00
PWOPRSES0001732	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001733	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001744	1.00	0.00	0.00	0.00	0.07	0.02	0.00	0.91	0.00	0.00
PWOPRSES0001745	1.16	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001747	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001748	1.00	0.00	0.00	0.00	0.03	0.07	0.00	0.90	0.06	0.00
PWOPRSES0001750	1.00	0.00	0.00	0.00	0.11	0.03	0.00	0.86	0.00	0.00
PWOPRSES0001753	1.00	0.00	0.69	0.00	0.09	0.22	0.00	0.00	0.84	0.00
PWOPRSES0001754	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.01	0.00
PWOPRSES0001755	1.00	0.00	0.00	0.00	0.06	0.12	0.00	0.81	0.00	0.00
PWOPRSES0001756	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001757	1.00	0.00	0.00	0.00	0.03	0.00	0.00	0.97	0.00	0.00
PWOPRSES0001758	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.01	0.00
PWOPRSES0001759	1.00	0.00	0.00	0.00	0.04	0.06	0.00	0.90	0.00	0.00
PWOPRSES0001760	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.97	0.00	0.00
PWOPRSES0001761	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001765A	1.00	0.00	0.69	0.00	0.30	0.00	0.00	0.00	0.98	0.00
PWOPRSES0001765B	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.97	0.00	0.00
PWOPRSES0001766	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0001768	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001770	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001771	1.20	0.00	0.00	0.00	0.00	0.03	0.00	0.97	0.00	0.00
PWOPRSES0001774	1.00	0.66	0.00	0.00	0.34	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001775	1.00	0.00	0.67	0.00	0.33	0.00	0.00	0.00	0.92	0.00
PWOPRSES0001776	1.00	0.00	0.00	0.00	0.31	0.00	0.00	0.69	0.15	0.00
PWOPRSES0001777	1.00	0.00	0.00	0.00	0.05	0.08	0.00	0.87	0.02	0.00
PWOPRSES0001778	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.97	0.00	0.00
PWOPRSES0001779	1.00	0.66	0.00	0.00	0.31	0.00	0.00	0.04	0.17	0.00
PWOPRSES0001780	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.97	0.00	0.00
PWOPRSES0001781	1.00	0.84	0.13	0.00	0.03	0.00	0.00	0.00	0.93	0.00
PWOPRSES0001782	1.00	0.00	0.00	0.00	0.05	0.02	0.00	0.94	0.01	0.00
PWOPRSES0001783	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001784	1.00	0.00	0.00	0.00	0.06	0.04	0.00	0.90	0.00	0.00
PWOPRSES0001785	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001786	2.09	0.00	0.00	0.00	0.03	0.02	0.00	0.95	0.00	0.00
PWOPRSES0001790	1.00	0.00	0.00	0.00	0.05	0.07	0.00	0.87	0.01	0.00
PWOPRSES0001791	1.00	0.00	0.70	0.00	0.19	0.11	0.00	0.00	0.83	0.00
PWOPRSES0001797	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001798	1.00	0.65	0.00	0.00	0.09	0.08	0.00	0.18	0.06	0.00
PWOPRSES0001803	1.00	0.64	0.06	0.00	0.30	0.00	0.00	0.00	0.97	0.00
PWOPRSES0001806	1.00	0.00	0.00	0.00	0.00	0.03	0.00	0.97	0.00	0.00
PWOPRSES0001807	1.00	0.64	0.05	0.00	0.30	0.00	0.00	0.00	0.85	0.00
PWOPRSES0001808	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001809	1.00	0.00	0.00	0.00	0.00	0.03	0.00	0.97	0.00	0.00

PWOPRSES0001810	1.00	0.97	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001812	1.00	0.00	0.00	0.00	0.09	0.01	0.00	0.90	0.02	0.00
PWOPRSES0001819	1.00	0.00	0.00	0.00	0.00	0.03	0.00	0.97	0.02	0.00
PWOPRSES0001821	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0001822	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001823	1.00	0.00	0.00	0.00	0.03	0.00	0.00	0.97	0.00	0.00
PWOPRSES0001824	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001825	1.00	0.00	0.00	0.00	0.03	0.00	0.00	0.97	0.00	0.00
PWOPRSES0001826	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.97	0.00	0.00
PWOPRSES0001827	1.00	0.00	0.00	0.00	0.03	0.00	0.00	0.97	0.00	0.00
PWOPRSES0001828	1.00	0.00	0.69	0.00	0.31	0.00	0.00	0.00	0.85	0.00
PWOPRSES0001829	1.00	0.00	0.69	0.00	0.31	0.00	0.00	0.00	0.99	0.00
PWOPRSES0001840	1.00	0.00	0.00	0.00	0.08	0.01	0.00	0.91	0.02	0.00
PWOPRSES0001841	1.25	0.66	0.03	0.00	0.30	0.00	0.00	0.00	0.94	0.00
PWOPRSES0001842	1.36	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.16	0.00
PWOPRSES0001844	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.97	0.01	0.00
PWOPRSES0001845	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.97	0.01	0.00
PWOPRSES0001855	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001856	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001861	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001862	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0001865	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001866	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001868	1.00	0.00	0.70	0.00	0.30	0.00	0.00	0.00	0.09	0.00
PWOPRSES0001890	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0001891	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001892	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001895	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001896	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001897	1.00	0.00	0.70	0.00	0.02	0.28	0.00	0.00	0.09	0.00
PWOPRSES0001899	1.04	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001900	1.00	0.00	0.00	0.00	0.72	0.28	0.00	0.00	0.14	0.00
PWOPRSES0001904	1.00	0.00	0.00	0.00	0.05	0.01	0.00	0.94	0.02	0.00
PWOPRSES0001905	1.00	0.00	0.00	0.00	0.05	0.00	0.00	0.94	0.00	0.00
PWOPRSES0001906	1.00	0.00	0.00	0.00	0.08	0.00	0.00	0.91	0.03	0.00
PWOPRSES0001919	1.00	0.90	0.07	0.00	0.03	0.00	0.00	0.00	0.93	0.00
PWOPRSES0001930	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001931	1.00	0.00	0.00	0.00	0.03	0.00	0.00	0.97	0.00	0.00
PWOPRSES0001932	1.00	0.97	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001941	1.00	0.00	0.00	0.00	0.00	0.09	0.00	0.91	0.03	0.00
PWOPRSES0001942	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001943	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001944	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001951	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0001952	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001960	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001961	1.00	0.00	0.00	0.00	0.00	0.03	0.00	0.97	0.00	0.00
PWOPRSES0001962	1.00	0.00	0.00	0.00	0.09	0.00	0.00	0.90	0.01	0.00
PWOPRSES0001963	1.00	0.00	0.00	0.00	0.03	0.02	0.00	0.95	0.03	0.00
PWOPRSES0001968	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0001972	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.00	0.00
PWOPRSES0001976	1.00	0.61	0.01	0.00	0.30	0.00	0.00	0.08	0.82	0.00
PWOPRSES0001977	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0001978	1.00	0.00	0.57	0.00	0.36	0.07	0.00	0.00	0.80	0.00
PWOPRSES0001979	1.00	0.00	0.00	0.00	0.06	0.02	0.00	0.93	0.02	0.00
PWOPRSES0001984	1.00	0.62	0.04	0.00	0.34	0.00	0.00	0.00	0.90	0.00
PWOPRSES0002119	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00

PWOPRSES0002120	1.00	0.00	0.00	0.00	0.03	0.02	0.00	0.95	0.00	0.00
PWOPRSES0002121	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.97	0.00	0.00
PWOPRSES0002122	1.00	0.00	0.00	0.00	0.02	0.01	0.00	0.97	0.00	0.00
PWOPRSES0003435	1.00	0.00	0.00	0.00	0.00	0.05	0.00	0.95	0.00	0.00
PWOPRSES0003436	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0003439	1.00	0.92	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0003446	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0003447	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0003448	1.27	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0003449	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0003457	1.00	0.00	0.00	0.00	0.86	0.13	0.00	0.00	0.09	0.00
PWOPRSES0003465	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.97	0.00	0.00
PWOPRSES0003466	1.00	0.00	0.00	0.00	0.04	0.03	0.00	0.93	0.00	0.00
PWOPRSES0004584	1.04	0.00	0.00	0.00	0.70	0.30	0.00	0.00	0.00	0.00
PWOPRSES0004585	1.00	0.00	0.70	0.00	0.02	0.28	0.00	0.00	1.00	0.00
PWOPRSES0004586	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0004587	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.97	0.00	0.00
PWOPRSES0004588	1.00	0.00	0.71	0.00	0.16	0.13	0.00	0.00	0.00	0.00
PWOPRSES0004589	1.00	0.00	0.70	0.00	0.01	0.29	0.00	0.00	0.99	0.00
PWOPRSES0004590	1.00	0.00	0.00	0.00	0.00	0.07	0.00	0.93	0.00	0.00
PWOPRSES0004591	1.00	0.70	0.00	0.00	0.30	0.00	0.00	0.00	0.17	0.00
PWOPRSES0004592	1.00	0.70	0.00	0.00	0.14	0.00	0.00	0.16	0.00	0.00
PWOPRSES0004593	2.35	0.00	0.00	0.00	0.03	0.02	0.00	0.95	0.00	0.00
PWOPRSES0004594	1.00	0.00	0.69	0.00	0.30	0.00	0.00	0.00	1.00	0.00
PWOPRSES0004597	1.00	0.97	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0004603	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0004637	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005529	1.00	0.00	0.00	0.00	0.17	0.01	0.00	0.82	0.10	0.00
PWOPRSES0005530	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.01	0.00
PWOPRSES0005531	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005532	1.00	0.00	0.69	0.00	0.31	0.00	0.00	0.00	0.99	0.00
PWOPRSES0005534	1.00	0.00	0.00	0.00	0.03	0.00	0.00	0.97	0.00	0.00
PWOPRSES0005535	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005536	1.15	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005537	1.00	0.00	0.00	0.00	0.01	0.04	0.00	0.95	0.03	0.00
PWOPRSES0005539	1.00	0.03	0.00	0.00	0.02	0.01	0.00	0.94	0.00	0.00
PWOPRSES0005540	1.42	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005541	1.00	0.00	0.00	0.00	0.83	0.17	0.00	0.00	0.00	0.00
PWOPRSES0005710	1.00	0.58	0.11	0.00	0.27	0.04	0.00	0.00	0.93	0.00
PWOPRSES0005734	1.00	0.00	0.00	0.00	0.28	0.00	0.00	0.72	0.16	0.00
PWOPRSES0005735	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0005736	1.00	0.00	0.00	0.00	0.00	0.03	0.00	0.97	0.00	0.00
PWOPRSES0005739	1.00	0.00	0.71	0.00	0.01	0.28	0.00	0.00	1.00	0.00
PWOPRSES0005744	1.00	0.00	0.71	0.00	0.23	0.06	0.00	0.00	0.98	0.00
PWOPRSES0005766	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0005767	1.00	0.00	0.00	0.00	0.00	0.15	0.00	0.85	0.00	0.00
PWOPRSES0005768	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0005769	1.00	0.00	0.65	0.00	0.34	0.00	0.00	0.00	0.99	0.00
PWOPRSES0005770	1.00	0.00	0.70	0.00	0.13	0.16	0.00	0.00	0.01	0.00
PWOPRSES0005771	1.48	0.00	0.00	0.00	0.08	0.06	0.00	0.86	0.02	0.00
PWOPRSES0006537	1.00	0.00	0.71	0.00	0.29	0.00	0.00	0.00	0.98	0.00
PWOPRSES0006538	1.00	0.95	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0006542	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0006547	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0006548	1.00	0.97	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PWOPRSES0006549	1.00	0.00	0.00	0.00	0.00	0.03	0.00	0.97	0.00	0.00
PWOPRSES0006550	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00

PWOPRSES0006551	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00
PWOPRSES0006552	1.00	0.00	0.00	0.00	0.11	0.17	0.00	0.72	0.00	0.00
PWOPRSES0006553	1.00	0.00	0.56	0.00	0.43	0.01	0.00	0.00	0.96	0.00
PWOPRSES0006554	1.00	0.00	0.00	0.00	0.00	0.04	0.00	0.96	0.00	0.00
PWOPRSES0006555	1.00	0.00	0.00	0.00	0.06	0.02	0.00	0.93	0.04	0.00
PWOPRSES0006576	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
PWOPRSES0006577	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
STMEasement	1.00	0.51	0.17	0.00	0.31	0.00	0.00	0.00	1.00	0.00
SWMPOND_OUT	1.00	0.00	0.64	0.00	0.35	0.01	0.00	0.00	0.94	0.00

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Conduit Surcharge Summary
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Conduit	Hours Full: Both Ends	Hours Full: Upstream	Hours Full: Dnstream	Hours Above Full Normal Flow	Hours Capacity Limited
16	0.01	0.01	0.76	0.01	0.01
21	0.01	0.01	0.01	0.01	0.01
22	0.01	0.01	0.01	0.70	0.01
23	0.01	0.01	0.01	6.10	0.01
45	0.01	0.04	0.01	0.06	0.01
67	0.01	1.10	0.01	1.15	0.01
68	0.01	0.01	0.01	0.01	0.01
7	0.01	0.01	0.76	0.01	0.01
70	0.01	0.01	0.01	8.49	0.01

Analysis begun on: Fri Jan 14 16:49:57 2022
Analysis ended on: Fri Jan 14 16:50:28 2022
Total elapsed time: 00:00:31