



Updated Starting Conditions H&H Model Report

CSO REMEDIAL MEASURES PROGRAM

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1.0 INTRODUCTION

This Updated Starting Conditions Hydrologic and Hydraulic (H&H) Model Report describes the City of Peoria's existing combined sewer collection system (Section 2.0), data collection activities for model refinement (Section 3.0), model refinement (Section 4.0), findings (Section 5.0), and modeled combined sewer overflow (CSO) volume for Peoria's Six-Month Design Storm and Typical Year. The Updated Starting Conditions H&H Model will be used as a tool for planning, designing, implementing, and assessing CSO discharge reduction in the City of Peoria. The Updated Starting Conditions H&H Model will also be used to evaluate Peoria's progress at the Interim Performance Criteria Milestones in accordance with paragraph 31 of the Consent Decree (CD).

1.1 BACKGROUND

The City of Peoria (City) is planning to use a combination of distributed green infrastructure (GI) projects and traditional gray storage practices to reduce the City's CSO discharges. On March 12, 2015, the City submitted a draft Green Infrastructure (GI) Proposal to Region 5 of the United States Environmental Protection Agency (USEPA) outlining the requirements and proposed elements of a green-infrastructure-based CSO Long Term Control Plan (LTCP). The proposal included several assumptions to estimate the amount of GI that would be required to eliminate overflows during the July 27-28, 1966 rainfall event, which was considered for the design storm at that time. These assumptions were developed using the City's 2009 Collection System Model (herein referred to as the 2009 Model), which is documented in Appendix 4 of the 2010 CSO LTCP Update No. 1. The proposal stated that, in 2015 and 2016, the City, in coordination with the Greater Peoria Sanitary District (GPSD), would perform additional investigations to refine the GI Proposal.

The proposed data refinements identified in the GI proposal are listed below.

- Distribution of wet weather flow throughout each sewershed
- Amount of wet weather flow that can be captured by GI (i.e., quantification of surface storm water flow versus non-runoff rainfall derived infiltration and inflow (RDII) flow)
- Measured GI performance in the City of Peoria
- Ability to use the collection system for storage (in-system storage)
- Specific locations of GI projects required to eliminate overflows
- Current regulator capacities before an overflow

The investigations planned to refine the GI Proposal were detailed in the May 1, 2015 Draft Green Infrastructure Data Collection and Analysis Plan submitted to USEPA and included the following items:

- Flow Monitoring
- GI Pilot Project
- In-System Storage Analysis

- Updated Hydrologic and Hydraulic Modeling

The City submitted an update regarding the flow monitoring work to USEPA on January 22, 2016. On June 20, 2016, the City presented a workshop to USEPA on the modeling work progress. During this workshop, USEPA indicated that the City would also be required to submit written documentation of the modeling work. On July 7, 2016, USEPA submitted a Draft Consent Decree to the City of Peoria to settle potential claims alleging violation of the Clean Water Act. In Part A of Appendix D of that Draft Consent Decree, USEPA listed specific requirements that were to be included in the Existing Conditions Model Report. The City submitted the Existing Conditions Model Report on December 30, 2016.

Since the submittal of the 2016 Existing Conditions Model Report, negotiations between the City and USEPA continued. On December 23, 2020, the final Consent Decree was lodged and became effective on March 4, 2021. The Final Performance Criteria in the Consent Decree consist of the following:

- Eliminating CSOs during all storms less than or equal to the hourly rainfall intensity and the total rainfall depth produced by the Six-Month Design Storm, where the Six-Month Design Storm is a six-month, six-hour precipitation event as defined by the Illinois State Water Survey, Rainfall Frequency Atlas of the Midwest by Floyd A. Huff and James R. Angel dated 1992, Bulletin 71 (MCC Research Report 92-03) with a total rainfall depth of 1.53 inches over 6 hours that utilizes the Huff first-quartile rainfall distribution;
- Eliminating CSOs for all but one precipitation event (July 21, 1949) during Peoria's Typical Year;
- Limiting the CSO volume discharged during July 21, 1949 storm to no more than 16.3 million gallons when analyzed in Peoria's approved Final Conditions H&H Model; and
- No CSOs during a precipitation event equal to or smaller than Peoria's Six-Month Design Storm event and Peoria's Typical Year Precipitation events (excluding the July 21, 1949, Typical Year precipitation event), in accordance with Appendix F of the Consent Decree, from December 31, 2039, to the termination of the Consent Decree.

The Consent Decree requires the City to submit an Updated Starting Conditions H&H Model Report to document the model refinements that have been made since the 2016 Existing Conditions Model Report.

1.2 PURPOSE

This Updated Starting Conditions H&H Model Report is being submitted to satisfy the requirements in paragraph 16.a of the Consent Decree which requires Peoria to submit "[a]n updated model report for Peoria's Starting Conditions H&H Model, including relevant calibration and validation data and model output for Peoria's Six-Month Design Storm and Peoria's Typical Year."

The purpose of the 2016 Existing Conditions Model Report was to satisfy Part A of Appendix D of the 2016 Draft Consent Decree dated July 7, 2016. Note that within Appendix A of this report are specific references demonstrating that the applicable requirements of Part A of Appendix D of the 2016 Draft Consent Decree are addressed. Although the 2016 Draft Consent Decree was replaced

with the Final Consent Decree, Appendix A is still included in this report since it defines the required content for this report.

Specific objectives of the 2016 model updates were as follows:

- Hydrology
 - Quantify surface runoff versus non-runoff rainfall derived infiltration and inflow (RDII)
 - Accurately predict sewer flow rates and volumes, particularly at outfalls
 - Estimate neighborhood scale flow rates and volumes
- Hydraulics
 - Extend trunk sewers into combined sewer areas
 - Accurately represent sewer geometry
 - Accurately represent flow diversions, particularly at outfalls

The 2009 Model was calibrated using inflows to the regulators and swirl concentrators and could not predict the rate and volume of flow from upstream areas in the sewersheds. To help accurately locate and size CSO Remedial Measures to eliminate overflows, the updated model segregates the following:

- Surface runoff from direct inflow
- Flows from stormwater runoff areas and non-runoff areas
- Flows from different land uses with different percentages of impervious surfaces

The Updated Starting Conditions H&H Model will be used to size, locate, and design CSO Remedial Measures to meet Peoria's Final Performance Criteria. The model will be used to evaluate project performance and assess actual versus predicted flow reductions from the CSO Remedial Measures. The Starting Conditions H&H Model will also be used to calculate CSO Individual Event reduction and CSO Evaluation Volume reduction, described in paragraphs 33 and 34 of the CD, to evaluate Peoria's progress at the Interim Performance Criteria Milestones in accordance with paragraph 31 of the CD.

1.3 APPROACH

To help refine and improve the data input accuracy related to the 2009 Model, flow monitoring of stormwater runoff drainage areas and non-runoff drainage areas was performed from June through December 2015. The 2015 flow meter data was reviewed and used to calibrate RDII and surface runoff in the updated model. The hydraulics from the 2009 Model were updated by extending the modeled sewers further upstream and by modifying modeled regulators. The updated model presents a more detailed and current representation of the existing collection system, predicts flow on a neighborhood scale, and distinguishes between dry weather flow, RDII flow, and surface runoff flow.

Several flow meters remained installed during 2016 and 2017. The additional data collected during this period was reviewed and used to make updates to the model after 2016.

1.4 SUMMARY OF UPDATES TO THE 2016 MODEL

Peoria has updated the model since it was last submitted in 2016. The model updates were based on additional flow meter data collected in the Fulton and Spring Street sewersheds; information provided by GPSD related to control gates, direct connections to the Riverfront interceptor (RFI) and throttle pipes, and RFI sediment measurements; to improve the model calibration of the storage sewer and Spring-Caroline sewershed; and to use the updated Version 5.1.015 of the Storm Water Management Model (SWMM) software.

1.4.1 Fulton Calibration Updates

The Fulton sewershed calibration was updated to match the 2017 flow meter data upstream and downstream of the regulator. The 2015 flow meter data for the Fulton drainage area was questionable, as the meter upstream of the regulator recorded significantly more flow than the meter downstream during dry weather flow and events where the regulator level meter data showed overflows were not occurring. In 2017, flow meters were installed upstream of the Fulton regulator (meter 009-03FPB) and downstream of the regulator (meter 009-03FPA) at locations more suited to obtain quality meter data. The Fulton dry weather flow and non-runoff RDII were updated using the higher quality 2017 meter data. The updates to the Fulton sewershed calibration are discussed in Sections 4.1.11 and 4.3, the updated RDII values are provided in Appendix G, and the 2017 calibration and verification tables and graphs are included in Appendix H.

1.4.2 Control Gate Updates

The control gates on the Darst and Cedar Street throttle pipes were added to the model based on information provided by GPSD. These gates did not appear to be operating as intended based on a review of the 2015 flow monitoring and gate position data. The 2015 data indicated that the Darst and Cedar gates closed and opened periodically, but these occurrences did not correspond with high RFI levels or rainfall events. However, the information provided by GPSD in May 2017 indicated that the gates are manually moved as part of monthly inspection and maintenance activities, which is why several occurrences of the gates closing do not correspond to rainfall events. The gate operation and maintenance information provided by GPSD and gate position data indicates that the gates are operating properly. The modeled gate controls were refined to operate as summarized by GPSD and the modeled gate position was compared to the meter gate position to confirm the operation.

The Fayette and Eaton control gates were already represented in the model, but their operation and control points were updated based on the information provided by GPSD in May 2017 and confirmed by comparing the modeled gate position to metered.

The updates to the control gates are discussed in Sections 2.2.6 and 4.1.6.

1.4.3 Interceptor and Throttle Pipe Direct Connections from GPSD

Direct connections to the RFI and throttle pipes were added to the model based on information provided by GPSD. On July 28, 2017, GPSD provided a figure showing direct inflows to the RFI and throttle pipes, downstream of the regulator inflow metering performed during 2015. Each direct

connection was added as an inflow to the modeled node closest to the location shown on GPSD's figure. Daily and weekly patterns were created for dry weather flow for each of the direct connections based on the dry weather flow, peak flow, and operating hours provided by GPSD. The direct connection model updates are discussed in Sections 4.1.10, 4.1.11, and 4.3, and the figure provided by GPSD is included in Appendix I.

1.4.4 Riverfront Interceptor Calibration Updates

The modeled sediment in the RFI and Manning's roughness coefficient were updated to match the information provided by GPSD and then the depth and flow in the RFI were calibrated to 2017 meter data. GPSD provided Peoria with sediment depth measurements collected throughout the RFI in April 2017. GPSD also stated that the modeled Manning's roughness coefficient of the RFI should be increased from 0.013 to 0.016, based on an analysis they performed to estimate the hydraulic coefficient. After adjustments were made to the RFI modeled sediment and Manning's roughness coefficient, the modeled RFI wet weather depths were calibrated to the metered depths by refining the previously calibrated minor losses.

Flow rates in the RFI near the wastewater treatment plant (WWTP) were calibrated and verified to the 2017 M2 meter data. The modeled flows matched metered flows well, except during the high river stage. The meter data indicates that river inflow occurs when the river stage is higher than 447.4 feet. The meter and river stage data were evaluated to determine the regression relationship and that relationship was used to generate a time series of river-related inflow, which was entered into a modeled node upstream of the M2 flow meter.

The RFI calibration updates are discussed in Section 4.6. The GPSD sediment measurements are provided in Appendix J and updated calibration and verification tables and graphs are provided in Appendix H.

1.4.5 Spring-Caroline and Storage Sewer Calibration Updates

Updates were made to the stormwater runoff calibration for Spring and Caroline sewersheds, Spring and Caroline Street regulators, and weir coefficient for the overflow from the storage sewer to improve the model calibration.

The Spring and Caroline subcatchments had a significant amount of runoff modeled from pervious areas for the large rainfall events that occurred during 2017. The modeled flows with the pervious runoff were significantly higher than metered at the Spring and Caroline Street regulators and modeled flow depth was significantly higher than metered in the downstream storage sewer. The pervious area infiltration rates were increased to reduce pervious runoff and better match the 2017 metered flows and depths at these locations.

The meter data for the Spring Street regulator was often poor quality in 2015, with only one month of usable data. A different type of velocity sensor was installed in 2017 and provided better quality data, but still had questionable velocity at times. The metered flow response to rainfall at this location was significantly lower in 2017 compared to 2015. Given the challenges with obtaining reliable flow meter data at this location, both 2015 and 2017 events that were determined to have good data quality were used to refine the model calibration. This results in the modeled flows being

lower than metered for 2015 events and higher than metered for 2017 events, but the weighted average for all events is within the target calibration range.

The model calibrations adjustments also improved modeled flow depth compared to metered in the downstream storage sewer. The storage sewer depth calibration was an outstanding item identified in the 2016 Existing Conditions Model Report as likely needing adjustments in the future. During wet weather events, the model was predicting high levels in the storage sewer for a longer duration than shown by the meter data. This caused the model to predict overflows for a longer duration than indicated by the meter data. The updated calibration discussed above decreased the modeled flow depth and duration of high flow depth in the storage sewer, resulting in the duration of modeled overflows more closely matching metered.

The Spring and Caroline Street regulators were changed to be modeled as orifices instead of outlets. The previously modeled outlets significantly restricted the flow to the RFI from these sewersheds, resulting in too much modeled flow being diverted to the storage sewer and not enough directed to the RFI. Modeling these regulators using orifices instead of outlets not only improves model calibration but it is also a more accurate representation of the system.

After the upstream edits were made to the Spring and Caroline Street sewersheds and regulators, the weir coefficient for the Spring Street overflow from the storage sewer was adjusted to better match modeled peak depths to metered peak depths during overflow events.

The updates to Spring, Caroline, and the storage sewer are discussed in Sections 4.4.4 and 4.6.2, with updated calibration and verification tables and graphs are provided in Appendix H.

1.4.6 SWMM Engine Version

A newer version of the SWMM 5.1 software was released after the 2016 model submittal. The 2016 model used SWMM Version 5.1.011. The updated Starting Conditions H&H Model uses SWMM Version 5.1.015, which was released on June 20, 2020. Several model checks were performed to confirm the model produces the same output in the updated version of SWMM as it did in the previous version. More information regarding the modeling software is provided in Section 4.1.9.

2.0 EXISTING COLLECTION SYSTEM DESCRIPTION

The City of Peoria's existing combined sewer service area (CSSA) drains to the GPSD WWTP. Throughout the CSSA, flow is conveyed from local and collector sewers to City-owned trunk sewers and in turn to GPSD-owned regulators. The regulator structures have two outlet pipes, one for typical low flows and one for bypasses during high flows. The low-flow outlet pipes, referred to as "throttle pipes," typically connect directly to the GPSD-owned Riverfront Interceptor, which conveys the flow to the GPSD WWTP. The bypass outlet pipe from each regulator is typically a CSO outfall that conveys high flows to the Illinois River. There are 16 CSO outfalls, of which 12 are active outfalls and 4 are emergency outfalls. Nine of the twelve active outfalls overflow regularly. These nine active outfalls, and the eight sewersheds that drain to these outfalls (Darst, Sanger, South, Cedar, Fulton, Fayette, Eaton [2 active outfalls], and Spring-Caroline), were the primary focus of the updated model.

CSO sewersheds Darst, South, and Fulton are "single regulator sewersheds" where there is one trunk sewer that conveys flow to one regulator. Sanger and Cedar are "multiple regulator sewersheds" where there is more than one trunk sewer conveying flow to more than one regulator. In each of the multiple regulator sewersheds, the low flow outlet throttle pipes downstream of the regulators combine prior to reaching the RFI. Similarly, the bypass outlet pipes from each regulator in the sewershed combine before discharging to the Illinois River. Fayette and Eaton are "swirl concentrator" sewersheds where flow is conveyed by trunk sewers through a regulator, or a series of regulators, to a swirl concentrator (described in Section 2.2.4) where the flow goes to the RFI via a throttle pipe or to the CSO outfall. Spring-Caroline is the "storage sewer sewershed" and consists of two trunk sewers and two regulators. The bypass flow from the two regulators goes to a storage sewer. The storage sewer also has a regulator, which controls discharge from the storage sewer to the RFI, and a separate overflow location from which flow is conveyed to the CSO outfall once the storage sewer is full.

A description of the general service area and collection system components are provided below. The locations of GPSD trunk sewers are shown in Figure 1 and an overview of the combined sewer service area is provided in Figure 2.

2.1 GENERAL SERVICE AREA CHARACTERISTICS

2.1.1 Geology/Topography

The Illinois River divides its surrounding area into two extensive upland plains. The river valley is from 1½ to 8 miles wide and ranges in elevation from 435 to 550 feet above sea level, approximately 100 to 300 feet below the adjoining uplands. Nearly all of the upland east of the river is underlain by Wisconsin glacial drift, which forms an undulating drift-plain crossed by broad morainic ridges. The stage of dissection is in early youth, and many of the small streams in their upper reaches are flowing essentially on the surface of the drift-plain.

The upland west of the river, where the combined sewer study area is located, has more diversified topography and includes Wisconsin morainic ridges on the northeast and an older Illinoian drift-plain on the west and south. The Wisconsin moraines are continuations of those on the eastern upland and have a similar youthful topography with somewhat stronger ridging. The Illinoian drift-plain is deeply eroded into numerous complex valley systems and has restricted areas of flat upland prairies. Because of high bedrock and relatively thin Illinoian drift over much of this area, the underlying bedrock topography is reflected in the present land surface. Upland elevations range from 600 to 850 feet above sea level east of the river and 600 to 900 feet west of the river, the highest altitudes occurring along the crests of the larger moraines (Horberg, 1950).

The topography within Peoria's combined sewer study area drops about 90 feet in the direction of the Illinois River at the ridge along Martin Luther King Jr. Drive. From the bottom of the ridge to the Illinois River, the ground slopes gradually towards the Illinois River, ultimately dropping another 60 to 70 feet to the river's edge. West of Martin Luther King Jr. Drive, the ground slope is not uniform with some of the topography sloping towards Kickapoo Creek instead of the Illinois River.

The present channel of the lower Illinois River from Henry to Grafton, Illinois, which includes Peoria, was originally the channel of the much larger Mississippi River. This channel was further expanded by incidents of glacial outwash following the Wisconsin glacialiation. The two factors resulted in a preformed channel for the modern Illinois, which was oversized in terms of carrying capacity and has low gradients (0.17 feet per mile). The result is a sluggish stream with numerous backwater lakes and an aggrading bed due to the river's inability to transport the sediment carried in by tributaries (Bhowmik, 1993). The widest section of the Illinois River within the study area is at the most upstream location of the study area (River mile 167.6). The river at this location represents Lower Peoria Lake and is roughly 1.3 miles wide. The river narrows within the next mile to a width of 0.35 miles (1850 feet – at normal pool) when it reaches the I-74 bridge located at the downstream end of Lower Peoria Lake. The width of the river then varies from approximately 600 to 1000 feet (at normal pool) as it flows through downtown Peoria and is approximately 620 feet at the I-474 Bridge crossing (River mile 157.9).

2.1.2 Land Use

Peoria is part of a metropolitan area of approximately 361,500 people located in several communities bordering the Illinois River anchored by the City of Peoria with an estimated population of 111,600. The predominant land use in the Illinois River watershed above Peoria is row crop agriculture. Urban land use and forested land are also prevalent. Within the study area, land use is nearly 100% urbanized. The downtown area consists principally of commercial developments. Industrial land uses dominate along the river outside of the downtown area. The remaining area consists primarily of medium-density residential housing with commercial strips along the major arterials.

2.2 COLLECTION SYSTEM COMPONENTS

The collection system consists of interceptors, trunk sewers, regulators, outfalls, swirl concentrators, a storage sewer, and control gates, all of which are described below.

2.2.1 Interceptors and Wastewater Treatment Plant

The backbone of Peoria's wastewater collection system consists of two interceptor sewers, both of which are owned and maintained by GPSD. One is commonly referred to as the RFI as it parallels the Illinois River from East War Memorial Drive to the GPSD WWTP. The RFI carries sewage and some stormwater from southern and east-central Peoria (including the downtown Peoria area), eastern West Peoria, and Peoria Heights. All of Peoria's combined sewers discharge into the RFI and thus the RFI sewershed is also referred to as the CSSA or study area. Analyzing the CSSA is the focus of the efforts documented in this report.

The other interceptor parallels Kickapoo Creek from the intersection of Highways 8 and I-474 to the GPSD WWTP and thus is commonly referred to as the Kickapoo Interceptor. The Kickapoo Interceptor carries flow from west-central and north Peoria, western West Peoria, Bartonville, and Bellevue. Only flow from separate sanitary sewers is conveyed by the Kickapoo Interceptor.

The two interceptors feed the WWTP at Darst and Clark Street in Peoria. The WWTP is owned and operated by GPSD. The WWTP employs primary, secondary, and advanced treatment to achieve biochemical oxygen demand (BOD), total suspended solids (TSS), ammonia, and bacteria discharge limits. The treatment plant is designed for an average daily flow of 37 million gallons per day (MGD) and a peak flow of 60 MGD. When flow exceeds 60 MGD, the plant is permitted to bypass the additional flow (>60 MGD) around secondary treatment and provide only primary clarification and disinfection. The total plant capacity, under bypass conditions, is 154 MGD with 80 MGD allotted to the RFI and 74 MGD allotted to the Kickapoo Interceptor (Greeley and Hanson, 2006). The average daily dry weather flow to the treatment plant is 9.6 MGD from the RFI and 11.0 MGD from the Kickapoo Interceptor¹.

2.2.2 Trunk Sewers, Regulators, and Outfalls

The RFI currently receives flow from 20 main trunk sewers that are owned by the City of Peoria. The trunk sewers typically carry flow in a southeasterly direction towards the RFI. For all but one of the trunk sewers, flow from the trunk sewer to the RFI is controlled by a regulator structure. The regulator structures are owned and maintained by GPSD. A summary of the CSSA outfalls, regulators, and trunk sewers is provided in Table 2.1. The CSO outfalls and their tributary sewersheds are shown in Figure 4.

¹ As determined from GPSD daily flow records from 2000 through 2006. The year 2000 is not included for Kickapoo calculations as it was significantly lower than subsequent years.

Table 2.1 | Outfalls, Regulators, and Trunk Sewers

Outfall	Regulator Name	Regulator Location	Trunk Sewer			
			Up-Stream Size (inches) & Shape	Down-Stream Size (inches) & Shape	Length (feet)	Material
019	Darst Street	Darst St. S of Crowell St.	42 circle	84 circle	12,579	RCP
018	Sanger Street	Sanger St. NW of SW Washington St.	42Wx28H oval	48 circle	3,245	Brick
	West Washington	SW Washington St. W of Sanger St.	42Wx28H oval	45 circle	2,194	Brick
	East Washington	SW Washington St. E of Sanger St.	42H egg	42H egg	697	Brick
017	South Street	South St. & former SW Water St. right-of-way (ROW)	12 circle	48 circle	4,404	Brick
016	Cedar Street	MacArthur Hwy. NW of former SW Water St. ROW	36Wx24H oval	67 circle	10,101	Brick
	Water Street	Former SW Water St. ROW NE of MacArthur Hwy.	45H egg	53H egg	1,588	Brick
014*	State Street	E State St. & SW Water St.	36 circle	41Wx38H oval	474	Brick Stone
013*	Walnut Street	Walnut St. & Commercial St.	36H egg	41H egg	1,228	Brick
n/a	None - Franklin Street Trunk Sewer (connects directly to interceptor)		24 circle	12 circle	173	Brick

Outfall	Regulator Name	Regulator Location	Trunk Sewer			
			Up-Stream Size (inches) & Shape	Down-Stream Size (inches) & Shape	Length (feet)	Material
011*	Harrison Street	Harrison St. & SW Commercial St.	15 circle	16 circle	684	RCP
010*	Liberty Street	Liberty St. N of SW Commercial St.	15 circle	16 circle	657	RCP
009	Fulton Street	Fulton St. SE of SW Washington St.	15 circle	24 circle	501	Brick
A07	FAYETTE SWIRL CONCENTRATOR Flow from the following sewersheds is carried in one common 60- to 72- inch diameter sewer to the Fayette Swirl Concentrator. The common pipe is directly connected to the following regulators and thus must surcharge to cause overflows at the connected outfalls.					
020*	Main Street	Main St. NW of SW Washington St.	36 circle	32 circle	3,200	Brick
008*	Hamilton Boulevard	Hamilton Blvd. NW of NE Washington St.	40H egg	40H egg	577	PVC BRKCL
A07*	Fayette Street	Fayette St. SE of NE Washington St.	36Wx24H oval	66 circle	14,382	Brick
A06/ B06	EATON SWIRL CONCENTRATOR Flow from the following sewersheds is carried in one common 42- to 72- inch diameter sewer to the Eaton Swirl Concentrator. The common pipe is directly connected to the following regulators and thus must surcharge to cause overflows at the connected outfalls.					
A06/ B06*^	Eaton Street	N of Eaton St. and NE Commercial St.	36 circle	60 circle	5,938	Brick, DI, RCP

Outfall	Regulator Name	Regulator Location	Trunk Sewer			
			Up-Stream Size (inches) & Shape	Down-Stream Size (inches) & Shape	Length (feet)	Material
001*	Green Street	Green St. & Hancock St.	39H egg	42H egg	2,795	Brick
003	Spring-Caroline Storage Sewer Excess flow from the following sewersheds is carried to this storage sewer.					
n/a	Spring Street	Spring St. & Bond St.	30Wx42H oval	58Wx57.5H oval	4,084	Brick
n/a	Caroline Street	Caroline St. & Bond St.	15 circle	36 circle	3,141	Brick
Notes *These outfalls have high overflows for emergency collection system relief. They do not regularly overflow. ^Outfalls A06 and B06 are two separate, but parallel outfalls that both carry overflows from the Eaton Swirl Concentrator and Eaton Regulator. They are connected by a common upstream junction box and typically overflow simultaneously. Egg-shaped sewers are Phillips Metropolitan Standard size, which means that the diameter of the upper arch of the sewer is 1.5 times the total inside height of the sewer. RCP = reinforced concrete pipe, PVC = polyvinylchloride, BRKCL = cement-lined brick, DI = ductile iron Outfalls 002, 004, 005, 012, and 015 have been abandoned or destroyed.						

All regulator structures consist of two outlet pipes, one for typical low flows and one for bypasses during high flows, as listed in Table 2.2. The low-flow outlet pipes, referred to as “throttle pipes,” typically connect directly to the RFI and are smaller than the trunk sewers to limit flow to the RFI. Many of the regulators have an orifice on the upstream end of the throttle pipe to further limit flow to the RFI. There are five regulators whose throttle pipes connect to swirl concentrators, not to the RFI (discussed in Section 2.2.4 and Table 2.2). These five regulators do not overflow frequently. The bypass outlet pipe from each regulator is typically a CSO outfall that conveys high flows to the Illinois River. Some of the regulators have a weir in front of the CSO outfall pipe. There are two regulators whose high flow outlet pipes connect to a storage sewer, not to a CSO outfall pipe (discussed in Section 2.2.5).

Table 2.2 | Regulator Outflows (Listed from South to North)

Outfall	Regulator Name	Low Flow Outlet Restriction	Low Flow Outlet Discharge Point	High Flow Outlet Restriction	High Flow Outlet Discharge Point
019	Darst Street	Bottom Outlet Orifice	Riverfront Interceptor	Pipe Invert Is Above Low Flow Outlet Pipe Invert And Low Weir	Illinois River
018	Sanger Street	None	West Washington Regulator	Pipe Invert Is Above Low Flow Outlet Pipe Invert And Weir	Illinois River
	West Washington	None	Riverfront Interceptor	Pipe Invert Is Above Low Flow Outlet Pipe Invert	Illinois River
	East Washington	Bottom Outlet Orifice	West Washington Regulator	Pipe Invert Is Above Low Flow Outlet Pipe Invert	Illinois River
017	South Street	None	Riverfront Interceptor	Weir	Illinois River
016	Cedar Street	Bottom Outlet Orifice	Riverfront Interceptor	Pipe Invert Is Above Low Flow Outlet Pipe Invert And Low Weir	Illinois River
	Water Street	Bottom Outlet Orifice	Riverfront Interceptor	Pipe Invert Is Above Low Flow Outlet Pipe Invert, And Low Weir	Illinois River
014*	State Street	Bottom Outlet Orifice	Riverfront Interceptor	Weir	Illinois River
013*	Walnut Street	Bottom Outlet Orifice	Riverfront Interceptor	Weir	Illinois River
011*	Harrison Street	None	Riverfront Interceptor	Weir	Illinois River
010*	Liberty Street	None	Riverfront Interceptor	Weir	Illinois River

Outfall	Regulator Name	Low Flow Outlet Restriction	Low Flow Outlet Discharge Point	High Flow Outlet Restriction	High Flow Outlet Discharge Point
009	Fulton Street	Vortex Flow Regulator	Riverfront Interceptor	Weir	Illinois River
020*	Main Street	None	Fayette Swirl Concentrator	Weir	Illinois River
008*	Hamilton Boulevard	None	Fayette Swirl Concentrator	Weir	Illinois River
A07*	Fayette Street	None	Fayette Swirl Concentrator	Weir	Illinois River
A06/ B06*^	Eaton Street	None	Eaton Swirl Concentrator	Weir	Illinois River
001*	Green Street	None	Eaton Swirl Concentrator	Weir	Illinois River
n/a	Spring Street	Bottom Outlet Orifice	Riverfront Interceptor	Pipe Invert Is Above Low Flow Outlet Pipe Invert	Storage Sewer
n/a	Caroline Street	Bottom Outlet Orifice	Riverfront Interceptor	Pipe Invert Is Above Low Flow Outlet Pipe Invert	Storage Sewer

Notes

*These outfalls have high overflows for emergency collection system relief. They do not regularly overflow.

^Outfalls A06 and B06 are two separate, but parallel outfalls that both carry overflows from the Eaton Swirl Concentrator and Eaton Regulator. They are connected by a common upstream junction box and typically overflow simultaneously.

Regulators that control flow to the RFI but do not regularly overflow are shaded in gray.

In total, there are 19 regulators and 16 outfalls. There are two locations where the outflow pipes from several regulators combine before discharging to the RFI or the river. The outflows from three regulators combine at regulators Sanger Street, East Washington, and West Washington. The outflows from two regulators combine at Cedar Street and Water Street.

Going north from Glen Oak Avenue and Caroline Street there is an additional 4,527-foot long, brick trunk sewer ranging in size and shape from a 42Wx28H oval to a 48-inch diameter circle. This sewer serves an area of 294 acres around Delaware Street. At Glen Oak Avenue and Caroline Street, this trunk sewer enters the trunk sewer tributary to the Spring Street Regulator. If flow backs up to a depth of 2.35 feet in this manhole, then some of the flow will be diverted to the Caroline Street trunk sewer through a 15-inch diameter pipe connected to the manhole.

2.2.3 Sewer Types and Drainage Area Designations

Peoria has three types of sewers:

1. Combined sewers designed to carry both sanitary and stormwater flow.
2. Sanitary sewers designed to carry only sanitary flow.
3. Storm sewers designed to carry only stormwater flow.

No new combined sewers were built in Peoria after the RFI and WWTP were constructed in 1931.

Areas where stormwater flow is still directed to combined sewers are referred to as “stormwater runoff drainage areas.” There are a few locations in Peoria where storm sewers discharge into a combined sewer instead of directly into a receiving water. These areas are also considered stormwater runoff drainage areas.

Areas without combined sewers are referred to as non-runoff drainage areas. There are two types of non-runoff drainage areas. The first type is areas where sanitary sewers were constructed to convey sanitary sewage and an independent storm sewer system, not tributary to the WWTP, was also constructed to carry stormwater flow. The second type is historically combined sewer areas where storm sewers were later added to convey stormwater flows directly to a receiving water. Typically, the storm sewers in these areas were installed to convey all of the surface stormwater runoff that originally entered the combined sewers. Stormwater from foundation drains and downspouts was also sometimes redirected to the new storm sewers in these areas. In many cases, however, the stormwater from foundation drains and downspouts was not redirected to the storm sewers and thus continues to enter the original combined sewers. Often the percentage of stormwater going to the new storm sewers versus the original combined sewers is not known.

2.2.4 Swirl Concentrators

In addition to the main WWTP, GPSD owns and operates two satellite treatment units to treat combined sewer overflows. These satellite units are referred to as the Fayette and Eaton swirl concentrators, named after the outfalls into which they discharge. The swirl units were constructed in 1992. The primary objective of the swirl concentrators is to control the discharge of floatable materials to the Illinois River. A secondary objective is to remove some heavy solids from combined sewer overflows discharging to the Illinois River. The swirl concentrators are located in a single building on the northeast side of the Murray Baker Bridge (I-74) immediately north of Water Street. The Fayette and Eaton swirl concentrators can each store 53,000 gallons of sewage prior to discharging to the combined sewer outfall.

Flows from the Main Street, Hamilton Street, and Fayette Street regulators are directed to the Fayette Swirl Concentrator via a 60- to 72-inch sewer. Each of these regulators has a weir with an overflow pipe discharging to the river. If the 60- to 72-inch sewer surcharges, the flow will pass over the weirs and go through the overflow pipes to the river. Based on the elevations of the overflow weirs, the Fayette Street Regulator would overflow first, then the Hamilton Street Regulator followed by the Main Street Regulator. The Fayette Swirl overflow weir is over two feet lower than the lowest of these regulator weirs, and thus the regulator outfall pipes will not discharge unless the Fayette Swirl is overflowing. Because of this, the regulator outfall pipes discharge very infrequently.

Flows from the Green Street and Eaton Street regulators are directed to the Eaton Swirl Concentrator via a 42- to 72-inch sewer. Both of these regulators have a weir with an overflow pipe discharging to the river. If the 42- to 72-inch sewer surcharges, the flow will pass over the weirs and go through the overflow pipes to the river. Based on the elevation of the overflow weirs, the Eaton Street Regulator would overflow first and then the Green Street Regulator. The Eaton Swirl overflow weir is two feet lower than the lowest of these regulator weirs, and thus the regulator outfall pipes will not discharge unless the Eaton Swirl is overflowing. Because of this, the regulator outfall pipes discharge very infrequently.

Both Swirl Concentrators are in continuous operation, operating in one of three modes: dry weather flow, normal wet weather flow, or emergency wet weather flow.

During dry weather, flow continuously enters the swirl concentrator from the influent combined sewer. At the bottom of the swirl concentrator, there is a channel that directs the incoming dry weather flow to a drop structure in the center of the unit. The flow leaves this structure through a dry weather pipe that is connected to the RFI. Dry weather flows do not exceed the capacity of the channel.

Under normal wet weather flow conditions, the volume of flows begins to increase beyond the capacity of the dry weather flow channel. As a result, the swirl concentrator begins to fill with combined sewer water. All flows that exceed the capacity of the dry weather flow channel pass through a coarse bar rack (6-inch wide openings) located at the entrance to the swirl concentrator. The purpose of the bar rack is to prevent large debris and boards from plugging the dry weather pipe. If the excess flow continues, the water level within the swirl continues to rise, eventually reaching the elevation of a sharp-crested weir. Flow passes over the weir and onto a center platform, from which it drains into an outfall pipe that flows to the Illinois River. The Fayette Swirl drains into the Fayette Regulator outfall pipe (Outfall A07). The Eaton Swirl drains into the Eaton Regulator outfall pipe (Outfall A06/B06).

Floatables are captured by a baffle plate and directed into a scum channel. The swirl concentrator will continue to operate in this fashion until the incoming water volume begins to decrease. Eventually, when the incoming flow returns to dry weather conditions, the water level will drop. The collected scum and floatables drain into the dry weather pipe and are transported to the RFI and ultimately to the WWTP.

There are hydraulic sluice gates located on the dry weather pipes. These gates were designed to be controlled by a level sensor in the RFI. As the RFI reaches capacity, the gates modulate to close and restrict flow to prevent a surcharge condition in the RFI. When the RFI level subsides, the gates modulate to a fully opened position. The goal of the modulating gates is to maximize the amount of wastewater diverted to the RFI without causing surcharge problems.

Under emergency wet weather flow conditions, the swirl concentrator operates as described above except that when the level in the concentrator exceeds 1 foot above the sharp-crested weir, the excess flow exits the tank via an emergency high level broad crested weir located on the outside wall of the tank. The excess flow is directed to the same effluent pipe as the normal wet weather

flow, where it is discharged to the Illinois River. There is no baffle plate on the emergency weir to contain floatables.

2.2.5 Spring-Caroline Storage Sewer

The City owns and GPSD operates, under an intergovernmental agreement, a storage sewer to hold excess wastewater from the Spring-Caroline Sewershed until the RFI has the capacity to convey it to the WWTP. The storage sewer starts at what used to be the Caroline Street Regulator overflow pipe and runs southwest along the Illinois River to Fayette Street. The average slope of the sewer is 0.04%. A chamber on the storage sewer at Spring Street receives flow from what used to be the Spring Street Regulator overflow pipe. This chamber also contains an overflow weir and outfall pipe to relieve excess flow from the storage sewer at Outfall 003. Wastewater will surcharge to a depth of 7.2 feet in the Spring Street Chamber before flowing over the overflow weir and discharging at Outfall 003.

Upstream of the Spring Street Chamber, the storage sewer consists of 931 feet of 60-inch diameter reinforced concrete pipe. Downstream of the chamber it is composed of 4,266 feet of 48-inch diameter reinforced concrete pipe. This makes the total storage volume approximately 540,000 gallons. There is a trash rack in the Spring Street Chamber over the upstream end of the 48-inch pipe. The trash rack was installed to protect the downstream storage sewer outlet structure.

At the downstream end of the storage sewer, flow from the storage sewer back into the RFI is controlled by a vortex flow regulator. The vortex flow regulator is designed to act like an orifice up to a specified hydraulic head. Above the specified hydraulic head, the flow rate through the vortex flow regulator increases more gradually than it would through an orifice. The goal is to maintain as constant a flow rate as possible when the specified head is exceeded. The Spring-Caroline Storage Sewer vortex flow regulator has a design flow rate of approximately 8 cubic feet per second at 4 feet of head.

2.2.6 Collection System Control Gates

There are four automatic control gates in the CSSA located on the Darst, Cedar, Fayette, and Eaton throttle pipes. Both the Darst and Cedar Street throttle pipes have automatic control gates on them. The control of each gate is tied to a level meter in the RFI by Darst and Cedar Streets, respectively. The controls operate to close the gates when the level in the RFI is close to the crown of the pipe, to prevent surcharging of the RFI. The gates reopen when the RFI level lowers. These gates did not appear to be operating as intended based on a review of the 2015 flow monitoring and gate position data. The data indicated that the Darst and Cedar gates closed and opened periodically, but these occurrences did not correspond with high RFI levels or rainfall events. However, the information provided by GPSD in May 2017 indicated that the gates are manually moved as part of monthly inspection and maintenance activities, which is why several occurrences of the gates closing do not correspond to rainfall events. The gate operation and maintenance information provided by GPSD and gate position data indicates that the gates are operating properly.

The two other automatic control gates are on the Fayette and Eaton Street throttle pipes and operate to regulate the flow from the swirl concentrators to the RFI, as discussed in Sections 2.2.4 and 4.1.6. There is also one manually operated gate on the pipe between the South Regulator and the RFI.

Gates for backflow prevention exist where necessary to protect the system up to the 25-year Illinois River flood level. In the early 1990s, projects were completed to ensure that all regulators are protected from Illinois River backflow up to the 25-year flood level. However, based on a review of outfall level meter data, some of the backflow prevention gates are not working, as discussed in Section 4.1.12.

2.3 RECEIVING WATERS

The Illinois River forms the City of Peoria's east and southeast boundary and divides Peoria and East Peoria. This section of the river is located in the lower part of the Peoria Pool that extends from the Peoria Lock and Dam at River Mile 157.6 upstream to the Starved Rock Lock and Dam at River Mile 231.0.

The average flow, based on Army Corps of Engineers data from the lock and dam at Peoria from 1988 to 2004, is 16,300 cubic feet per second (cfs). At flow rates below approximately 18,000 to 21,000 cfs, the gate operations at the lock and dam maintain the river level in the pool between approximately 440.0 and 441.6 feet above mean sea level. At these lower flow rates, there is no unique relationship between flow rate and pool level. Above approximately 21,000 cfs, pool level increases with flow rate, which indicates unregulated flow over the spillway crest at the lock and dam. Overall, it appears that two flow regimes exist: 1) a regulated pool when flow is below 18,000 cfs and 2) free-flowing over the lock and dam spillway when the flow exceeds 21,000 cfs.

The Illinois River watershed at Peoria drains approximately 14,165 square miles. The watershed upstream of the City of Peoria includes much of northeastern Illinois and portions of northwest Indiana and southeast Wisconsin.

3.0 DATA COLLECTION

To meet the objectives identified in Section 1.2, supplemental flow, rainfall, collection system, river, and impermeable area data was collected for modeling purposes. Descriptions of the data sources used are provided in Appendix B. Details related to data collection are provided below.

3.1 FLOW METERING

The City and GPSD had 38 temporary flow meters and 12 permanent flow meters installed at various locations throughout the collection system to obtain dry and wet weather flow data for calibration and verification of the updated model. In addition to the new City meters, data from the 22 existing GPSD meters was also used.

3.1.1 Metering Locations

Details regarding the location, purpose, and status of flow meters and level meters are provided in Appendix C. Flow meters and/or level meters were utilized at the general locations described below:

- Regulator/Swirl Influent Pipes
- CSO Discharges
- Trunk and Collector Sewers

3.1.1.1 Regulator/Swirl Influent Pipes

New flow meters were installed on the regulator and swirl concentrator influent pipes to provide data for calibration of the updated model at the most critical location in each sewershed, the point at which overflows occur. These meters may also be used in the future to track changes to total collection system flows over time from CSO Remedial Measure installations and other causes, allowing for installed CSO Remedial Measure performance assessment and, as necessary, adjustments to the design of future CSO Remedial Measures.

3.1.1.2 CSO Discharges

Flow metering of CSO discharges is required in the Consent Decree to document and evaluate the occurrence and volumes of CSO discharges. All active CSO discharges are monitored by GPSD on behalf of the City. The meters consist of level sensors, which transmit alarms for certain conditions, including the loss of AC power and loss of echo (when the return signal from the ultrasonic head is not sufficiently received by the same head). The monitors are regularly inspected and maintained.

3.1.1.3 Trunk and Collector Sewers

Flow metering of the trunk and collector sewers was performed to identify hydrologic trends that can be applied across the entire combined sewer area in the hydrologic model such as:

- Dry weather flow by land use and density
- Direct rainfall derived infiltration and inflow (RDII) per acre by drainage area type
- Wet weather surface runoff by percent impervious area and land use

To identify these trends, the City focused the trunk and collector sewer monitoring on:

- All major non-runoff drainage areas
- Two areas from which flow is split between two sewersheds
- Two local storm sewers that discharge into the combined sewer system

RDII rates and volumes were one of the biggest unknowns addressed to refine the model. Non-runoff drainage areas, by definition, only have RDII wet weather flows. By extensively monitoring non-runoff drainage areas, the City was able to quantify RDII in these areas and make reasonable estimates of RDII in stormwater runoff drainage areas.

Two areas were metered to quantify suspected flow splits between two sewersheds. In one case, a flow split was suspected between the Darst and Cedar sewersheds; however, metering data indicated that the flow split does not exist and that all flow from the area likely goes to the Cedar sewershed. The other flow split is between the Spring and Caroline sewersheds. These meters also assisted with the calibration of modeled RDII and runoff.

Monitoring of the local storm sewers that discharge into the combined sewer system on Western Avenue and Prospect Road was performed to provide data for calibration of modeled surface runoff, along with data from other monitors.

3.2 RAINFALL DATA

Rainfall data for model calibration and verification was obtained from the National Oceanic and Atmospheric Administration (NOAA), an existing GPSD rain gauge, and new rain gauges installed on behalf of the City in 2015. The locations of the 2015 GPSD and City gauges are shown in Figure 2. Hourly rainfall data was obtained from NOAA for the Greater Peoria Airport. GPSD provided ten-minute rainfall data for 2015 for the GPSD rain gauge located near the intersection of Krause Avenue and Darst Street. The three additional 2015 rain gauges were installed in June 2015 and recorded rainfall in five-minute increments. These rain gauges are located at Bradley University, Glen Oak Primary School, and Hardee's at the intersection of Adams Street and Eureka Street.

Since the submittal of the 2016 Existing Conditions Model Report, the City installed four new rain gauges in the combined sewer area. These rain gauges also collect data in five-minute intervals. The locations of the new rain gauges are shown in Figure 4 and listed below.

- RG019 near the intersection of Krause Avenue and Griswold Street (replaces GPSD Darst rain gauge)
- RG018 near the intersection of Ann Street and Westmoreland Avenue
- RG006 near the intersection of Monroe Street and Bryan Street
- TRG1 near the intersection of Spencer Street and Adams Street

3.2.1 Rainfall Data Review

An analysis of rainfall data was performed and compared to Wastewater Planning Users Group (WaPUG) standards to identify individual wet weather events and determine the rainfall data quality and event uniformity. Using WaPUG criteria as guidance, the rainfall criteria for a calibration or verification event was a total depth greater than 0.4 inches and a peak intensity greater than 0.3 inches per hour. These criteria are higher than the WaPUG criteria of depth greater than 0.2 inches and intensity greater than 0.24 inches per hour (WaPUG, 2002). After events were identified, rainfall recorded at adjacent gauges was evaluated for each event to determine rainfall variability based on the following WaPUG criteria:

- Total rainfall depth should not vary by more than 20%
- There should be no more than a 15-minute difference in the time of a peak
- There should be no more than a 30% variation in the intensity of the peaks

Based on these criteria, each event at each rain gauge was categorized into one of the following groups:

- **Relatively Uniform** – Event meets the WaPUG variability criteria for adjacent gauges
- **Possibly Uniform** – Event does not meet the WaPUG variability criteria for adjacent gauges but is close to meeting the criteria
- **Variable** – Event was significantly outside of the WaPUG variability criteria

The identified rainfall events and a summary of the variability analysis are provided in Appendix D.

The Thiessen Polygon approach was used to determine which rain gauge to use for each flow meter drainage area. When an event at a rain gauge was determined to have bad data (i.e. the rainfall at one gauge was very different from all the other gauges) or if data for an event was not available at a rain gauge, the rainfall from an adjacent gauge was used for that event.

3.3 ILLINOIS RIVER STAGE DATA

Illinois River stage data was required as a downstream boundary condition at the modeled outfalls. It was obtained from the US Army Corps of Engineers (USACE) website. Data was obtained for gauge PIAI2, which is located in Peoria County at the foot of Grant Street and 4.5 miles upstream from

Kickapoo Creek. Daily stage data is available. The gauge zero elevation and flood stage were also obtained from the USACE website.

3.4 COLLECTION SYSTEM VERIFICATION

To refine the original hydraulic model and extend modeled trunk sewers farther upstream, geometry data was obtained from various sources. The largest and most up-to-date repository of collection system data is kept by GPSD in Geographic Information System (GIS) format. However, the GPSD files are missing a significant amount of geometry information needed for modeling. Some of the missing data was obtained from the manhole and structure survey performed on behalf of the City in 2007, during which approximately 100 manholes and all the regulators were inspected to acquire geometry and elevation information. Additional missing data was obtained through a desktop review of other data sources, including sewer improvement project plan sets, GPSD paper maps (scanned into digital format), older City of Peoria paper maps (scanned into digital format), and sewer system planning reports.

When a conflict was identified between data sources, the below hierarchy was used to prioritize sources, based on how current and reliable the sources were:

1. Manhole/structure survey results
2. GPSD GIS layers of manholes and sewers
3. Sewer record drawings
4. Georeferenced scanned paper sewer maps and scanned paper sewer maps

The resources described above were used to define the sewersheds and drainage areas along with two-foot contour GIS files, aerial photography, and street view technology.

3.5 IMPERVIOUS AREAS

To calibrate runoff from stormwater runoff drainage areas, it was necessary to obtain information regarding the percent of these areas that were impervious versus pervious. This data was provided by the City in a GIS file. The GIS file identified impervious areas by the following types: roofs, sidewalks, driveways, parking lots, roads, and medians. The areas in the GIS file were used to quantify the amount of impervious and pervious area in each subcatchment. The impervious areas are shown in Figure 3.

4.0 MODEL REFINEMENT

Model refinement to meet the objectives defined in Section 1.2 was done by setting up the model and calibrating and verifying the following three items.

1. Non-runoff RDII
2. Flow from runoff
3. Flow diversions

The model set-up and calibration and verification are described below. The existing conditions model input file is provided in Appendix E.

4.1 MODEL SETUP

A description of the model setup is provided below.

4.1.1 Sewers, Manholes, and Outfalls

Data for the model was obtained from a variety of sources, as discussed in Section 3.4 and Appendix B. The specific sources used for each conduit in the model, as well as any modifications or assumptions that were made, are provided in the description and notes attributes of the conduits in the model. The model contains 875 sewer segments, 862 manholes, and 30 outfalls (the 16 combined sewer overflow outfalls, 2 outfalls at the WWTP, and 12 outfalls representing overland flow routing, as described in Section 4.4.2).

4.1.2 Subcatchments

Subcatchments for stormwater runoff drainage areas were delineated based on topography, inlet locations, and aerial photography from sources summarized in Appendix B. After subcatchment areas were delineated, the different types of impervious areas comprising each subcatchment were determined from the City's GIS layer, discussed in Section 3.5. Subcatchments were added to the model as four different subtypes: roofs, pervious areas, directly connected impervious areas (DCIA), and disconnected impervious areas (DIA). A summary of subcatchment parameters is provided in Appendix F.

4.1.2.1 Roofs

The "roof" subcatchment represents the portion of the runoff subcatchment that is buildings. The area for roofs was determined as the area of buildings from the City's GIS layer and is considered to be 100% impervious. The flow length and slope for the roof subcatchments were estimated based on a review of aerial photos and street views from Google and Bing Maps. Additional roof subcatchment parameters were set to constant values. The Manning's n was set to 0.015, the depth of the depression storage was set to 0.062 inches, and the percent of the area without depression storage was set to 25%. Routing for roof subcatchments was determined based on a review of Google and Bing Maps. Flow from

roofs was routed to pervious area subcatchments if downspouts discharged to grass areas, to directly connected impervious area (DCIA) subcatchments if downspouts discharged to impervious areas such as driveways or roads, to trunk sewers if roofs were directly connected to the sewers, or to some combination of these three routings, as appropriate.

4.1.2.2 Pervious Areas

The “pervious” subcatchment represents the portion of the runoff subcatchment that is permeable. The area for pervious subcatchments was determined by subtracting the total impervious areas (from the City’s GIS layer) from the total subcatchment area and is considered to be 0% impervious. The slopes for pervious subcatchments were estimated based on a review of the subcatchment topography. The widths for pervious subcatchments were estimated as the length of streets in the subcatchment plus the length of alleys in the subcatchment multiplied by the curb length factor. The curb length factor was defined as two times the percent of blocks in the subcatchment that drain to both sides of the road plus one times the percent of blocks in the subcatchment that drain to one side of the road. Additional subcatchment parameters were set to constant values. The Manning’s n was set to 0.15, the depth of the depression storage was set to 0.25 inches, the infiltration decay constant was set to 5 hour⁻¹, and the drying time was set to 7 days. The maximum and minimum infiltration were initially set to 10 inches per hour and 0.25 inches per hour, respectively, and then the infiltration rates were calibrated, as described in Section 4.4.1. Pervious subcatchments were routed to directly connected impervious area (DCIA) subcatchments.

4.1.2.3 Directly Connected Impervious Areas (DCIA)

The directly connected impervious area “DCIA” subcatchment represents the portion of the runoff subcatchment that is impervious and routed directly to the trunk sewer. The area for the DCIA subcatchments is based on the area of roads, driveways, sidewalks, parking lots, and medians from the City’s GIS layer that were not determined to be disconnected impervious areas, as described in the next paragraph. The distribution of area between DCIA and DIA that was initially set up was adjusted during calibration as described in Section 4.4.2. DCIA subcatchments are considered to be 100% impervious. The slopes for DCIA subcatchments were estimated to be 2%, the average cross slope of a road. The starting widths for DCIA subcatchments were estimated as two times the length of streets and alleys in the subcatchment. The DCIA widths were calibrated as described in Section 4.4.3. Additional DCIA subcatchment parameters were set to constant values. The Manning’s n was set to 0.011, the depth of the depression storage was set to 0.062 inches, and the percent of the area without depression storage was set to 25%. DCIA subcatchments were routed to trunk sewers.

4.1.2.4 Disconnected Impervious Areas (DIA)

The disconnected impervious area “DIA” subcatchment represents the portion of the runoff subcatchment that is impervious and routed to pervious areas. The starting area for the DIA subcatchments was based on the area of driveways, sidewalks, parking lots, and medians from the City’s GIS layer and a thorough review of Google and Bing street view to estimate the percentage of each of these areas that would likely be routed to pervious areas. DIA subcatchment areas were calibrated as described in Section 4.4.2. DIA subcatchments are

considered to be 100% impervious. Parameters for the DIA subcatchments are the same as the DCIA parameters, except the width for DIA is the starting width for DCIA and is not changed or calibrated. DIA subcatchments were routed to pervious subcatchments.

4.1.3 Regulator Structures

The regulator structures were initially set up in the model using modeled parameters that most closely matched the actual structure geometry, such as manhole nodes, weirs, orifices, and outlets. While the geometry of these structures was recorded during the collection system inspections, an exact depiction of these structures in the model does not always produce the correct flow diversions. This is because the model might not be able to replicate the complex hydraulics occurring in the structures, such as significant head losses, hydraulic jumps, etc. The regulator structure setup was adjusted during calibration as described in Section 4.5.

4.1.3.1 Weirs

Weirs were used to model the hydraulic restrictions and weirs at the regulators in the Darst, Sanger (Sanger Street regulator), and Cedar (Cedar Street and Water Street regulators) sewersheds and the storage sewer overflow at Spring. The weirs were modeled as indicated by the geometry data, with overflow weirs upstream of the outfall pipes and pipes directly connected to the RFI.

4.1.3.2 Manholes and Offset Pipes

Manholes and offset pipes were used to model the orifices at the regulators in the Darst, Sanger (Washington Street East and Washington Street West regulators), and Cedar (Cedar Street and Water Street regulators) sewersheds. The geometry of these regulators is such that the regulator influent pipe and the wet weather outlet pipe have the same invert elevation, while the dry weather outlet invert elevation is lower. These regulators were modeled to match the geometry by modeling the manhole invert at the same depth as the dry weather outlet pipe, while an outlet offset was added to the regulator influent pipe and an inlet offset was added to the wet weather overflow pipe.

4.1.3.3 Orifices

The regulators at Spring Street and Caroline Street were each modeled using two orifices to connect the regulator influent pipe to the RFI. Each orifice was set up based on geometry and the discharge coefficient was calibrated as described in Sections 4.5 and 4.6.

4.1.4 Swirl Concentrators

The swirl concentrators in the Fayette and Eaton sewersheds are each modeled as a storage unit with a smaller diameter pipe conveying flow to the throttle pipe and two weirs to convey wet weather overflow. The volumes of the swirl concentrators are represented in the model using a tabular storage curve, varying storage area with depth, based on the geometry of the swirl concentrators. The normal overflow and emergency overflow weirs are represented as weirs in the model according to their recorded physical characteristics.

4.1.5 Spring-Caroline Storage Sewer

The storage sewer is modeled very close to its true geometry. It is represented by 48- and 60-inch pipes in the model with the existing manholes in-between the pipe segments. The storage sewer is modeled with the following:

- A 36-inch sewer connected to carry the influent flow from the Caroline Street Regulator,
- A 60-inch sewer connected to carry the influent flow from the Spring Street Regulator, and
- An overflow weir connected to carry excess flow from the storage sewer to the Outfall 003 overflow pipe.

At the downstream end of the storage sewer, the connection between the storage sewer and the RFI is modeled using an outlet feature. The flow between the storage sewer and the RFI is controlled by a vortex flow regulator. The head-discharge curve for the vortex flow regulator was obtained from the manufacturer and added to the outlet feature to regulate the modeled flow to the RFI.

4.1.6 Gates

The effects of the gate controls on the flow diversions at the Fayette and Eaton regulators are represented in the model. The 2016 modeled gate controls were determined by analyzing meter data from the RFI, swirl concentrator, and swirl throttle pipe (where available). Since the 2016 Existing Conditions Model Report, gate operation information was provided by GPSD. The modeled gate controls were updated to operate as summarized by GPSD. The Fayette throttle pipe gate is set up to open and close based on the modeled level in the RFI near the Fayette throttle pipe connection and the Eaton throttle pipe gate is set up to open and close based on the modeled level in the RFI near the Eaton throttle pipe connection. The modeled gate position was compared to the meter gate data to confirm the operation.

Gates are also present in the throttle pipes downstream of both the Darst and Cedar regulators. After a review of the 2015 gate position and RFI level data it appeared that the gates were not functioning. However, as described in Section 2.2.6, since the submittal of the 2016 report, Peoria received information from GPSD regarding these gates, including explanations for why the gates closed during dry weather conditions. This additional information that indicates the gates are functioning properly and the gates were added to the model to operate as summarized by GPSD. The Darst throttle pipe gate is set up to open and close based on the modeled level in the RFI near the Darst throttle pipe connection and the Cedar throttle pipe gate is set up to open and close based on the modeled level in the RFI near the Cedar throttle pipe connection. The modeled gate position was compared to the meter gate data to confirm the operation.

4.1.7 Sewer Crossings

Scanned paper sewer maps showed several outfalls crossing above or below the RFI. In some instances when this occurred, the geometry of either the RFI or outfall was affected and the area of the pipe was reduced. The geometry of the affected areas of the RFI and outfalls was modified in the model to represent the contractions that occurred at these sewer crossings.

4.1.8 Wastewater Treatment Plant (WWTP)

The WWTP is the downstream boundary conditions for the RFI. The operation of the WWTP headworks can affect the depth of flow in the RFI. Flow from the RFI and Kickapoo Interceptor enter the WWTP through a bar screen and grit chamber. The bar screen is modeled as a rectangular pipe segment with an entry loss while the grit chamber is modeled as a storage unit with a constant area based on its geometry. Flow leaves the grit chamber via a weir and enters another storage unit with a constant area based on its geometry. From this storage, flow is conveyed to the WWTP, modeled as an outfall, via two screw pumps, each with a capacity of 60 MGD, or via a bypass weir to a bypass pump which discharges to a wet weather treatment, modeled as an outfall. The bypass pump is modeled with uniform pump flow rates between set depths, based on information provided by GPSD.

4.1.9 Simulation Options

The SWMM program, Version 5.1.011 was used to model this collection system along with the PCSWMM interface by Computational Hydraulics International. The SWMM program is the most widely used and accepted program for this application. SWMM solves the full dynamic St. Venant equations for gradually varied, unsteady flow using an explicit numerical solution technique.

The model was set up using the Horton infiltration model and dynamic wave routing. During model calibration, a 5-minute timestep was used for wet weather, and a 1-hour timestep was used for dry weather. The reporting timestep for calibration was 5 minutes and routing was 5 seconds.

Newer versions of SWMM 5.1 have been released since the 2016 model was submitted. The Starting Conditions H&H Model uses SWMM Version 5.1.015. Various checks were performed and confirmed the model produces the same output in SWMM Version 5.1.015 as it did in the previous version.

4.1.10 RDII Sewershed Areas

The RDII sewersheds are the sewer areas that are tributary to each meter. These areas were determined by reviewing sewer locations and performing an aerial review of each previously defined flow meter drainage area. Areas that would be unlikely to contribute to RDII, such as forested areas, sports fields, golf courses, and large grassy areas, were not included in the RDII sewersheds. These areas, shown in Figure 2 and Appendix G, were used for the area contributing RDII for each flow meter, as discussed in Section 4.3.

On July 28, 2017, GPSD provided a figure showing direct inflows to the RFI and throttle pipes. The figure provided by GPSD is provided in Appendix I. This figure shows Connection 1 as a direct connection to the RFI at Abington Road. The text included in the figure states that the wet weather flow response observed in West Peoria (Meter 019-04FT) is similar to the Abington basin. Based on this information from GPSD, the Abington Street drainage area was delineated and used to model the wet weather response for this direct connection as discussed in Section 4.3.

4.1.11 Dry Weather Flow

Dry weather flow was entered into the model in two parts for each flow meter drainage area:

1. A constant baseline dry weather flow
2. A variable, typically diurnal dry weather flow

The dry weather flow is entered directly into a modeled node – typically the most upstream node on the main trunk sewer that the flow meter is located on.

To determine the dry weather flow for each flow meter drainage area, the flow meter hydrograph was evaluated and a dry weather period, or multiple periods, were identified. The identified dry weather periods typically consisted of several weeks from August through October 2015. From the dry weather flow period, the minimum dry weather flow was determined and set as the constant baseline dry weather flow value. That value was then subtracted from the flow meter hydrograph. The PCSWMM Time Patterns tool was used on the remaining hydrograph to determine the average variable dry weather flow rate as well as hourly weekday, hourly weekend, and daily flow pattern multipliers. The constant baseline and average variable dry weather flow values direct to each meter are shown in Appendix G.

Where one flow meter is downstream of another, the flow meter hydrograph from the meter directly upstream was subtracted from the hydrograph of the downstream meter to determine the flow contributed by the downstream drainage area only. The process described above was then applied to the resulting hydrograph to determine the constant baseline flow and variable dry weather flow of the downstream drainage area.

For non-runoff drainage areas, dry weather flow was typically input at the node closest to the metered location, which was typically at or near the upstream end of the modeled sewer system. For stormwater runoff drainage areas, dry weather flow was typically input in the upstream end of the direct flow meter drainage area, downstream of any upstream flow meters.

At non-metered, non-runoff drainage area sewersheds, specifically Walnut, Franklin, Harrison, and Liberty, dry weather flow was accounted for in the model as a constant, baseline flow ranging from 0.01 to 0.11 cfs. These values were estimated during the 2009 modeling effort, based on flow meter data.

The 2015 flow meter data for the Fulton drainage area was questionable, as the meter upstream of the regulator recorded significantly more flow than the meter downstream of the regulator, during dry weather flow and wet weather events where the regulator level meter data showed overflows were not occurring. In 2017, flow meters were installed upstream of the Fulton regulator (meter 009-03FPB) and downstream of the regulator (meter 009-03FPA) at locations more likely to provide quality meter data. The dry weather flow for Fulton was updated using the higher quality 2017 meter data.

On July 28, 2017, GPSD provided a figure showing direct inflows to the RFI and throttle pipes. The figure provided by GPSD is provided in Appendix I. Daily and weekly patterns were created for each of the dry weather flow direct connections based on the dry weather flow, peak flow, and operating hours provided by GPSD. Each direct connection was added as an inflow to the modeled node closest to the location shown in the figure in Appendix I.

The table on the figure provided by GPSD identifies the permitted maximum flow for ADM (connection 29 in the table, with 3 MGD) and PMP (connection 26 in the table, with 0.5 MGD). Modeling the permitted maximum flow for these direct connections resulted in modeled dry weather flows significantly higher than metered. To more accurately represent these direct connections, Peoria requested records of the actual flows discharged by these industries. GPSD provided the total daily flow for each connection from January 2016 through July 2017. The average daily discharges for ADM and PMP during this time period were 1.32 MGD and 0.107 MGD, respectively. The average discharge was used in the model instead of the permitted discharge to represent the average typical discharge instead of the maximum allowed discharge

4.1.12 River Influence at Outfalls

During the review of level meter data from the outfall pipes, it became evident that the Illinois River was backing up into the outfall pipes, specifically the Darst, South, and Cedar outfall pipes. Illinois River stage data was obtained, as discussed in Section 3.3, and indicated that during 2015 the river stage peaked at 455.5 feet (more than 9 feet above flood stage). The river gauge is located upstream of the outfalls, so relationships between the river elevation at the gauge and river elevation at the outfalls were determined. The relationships for the Darst, South, and Cedar outfalls were determined by plotting the elevation at the outfall level meter versus river elevation at the gauge for periods during which river influence was observed and then using a best fit linear regression (or multiple linear regressions, for different river stage ranges). After the relationships were determined, the calculated river elevations at the outfalls were added to the modeled outfalls as downstream boundary condition elevation time series.

The outfalls where river backup was observed are documented as having backflow preventers. In the Cedar outfall pipe, the level meter where river backup is observed is downstream of the backflow preventer. In the Darst and South outfall pipes, the level meters where river backup is observed are upstream of their respective backflow preventers, indicating that the backflow preventers on these outfall pipes are not operating effectively. In 2022, a flow meter was installed on the Cedar outfall pipe upstream of the backflow preventer and it too showed river backup, indicating that the backflow preventer on the Cedar outfall pipe is not operating effectively either.

Although river backup was not observed in the meter data at other outfall pipes, river elevations were added to the Sanger, Fulton, Fayette, Eaton, and Spring-Caroline outfalls as downstream boundary conditions. At the Sanger outfall, located between Darst and South, the calculated river elevations based on the relationship developed for Darst were used. At Fulton, Fayette, Eaton, and Spring-Caroline, all of which are upstream of Cedar, the unadjusted river elevations were used. Boundary conditions were not added for outfalls between Cedar and Fulton, since these regulators do not overflow.

4.1.13 Model Testing

Model testing was performed in accordance with WaPUG. The stability of the model was tested by running the model for the following four different events (WaPUG, 2002):

- A dry weather flow event
- A low-intensity, multi-peaked storm event (the December 20, 2015, event was used)

- A 5-year design storm with a 1-hour duration (using a Huff, first quartile type storm)
- A 50-year design storm with a 1-hour duration (using a Huff, first quartile type storm)

Minor instabilities were identified for each of the four model runs. According to WaPUG, incoming and outgoing flows should be within 10% for the model and at each ancillary. The summary provided by PCSWMM for the 900 nodes in the model, which includes manholes and ancillaries, for each of the four model runs identified no more than 3 nodes (less than 1% of all nodes) with incoming and outgoing flow differences greater than 10%. Modeled hydrographs were also reviewed for each of the four model runs. Signs of oscillations were observed in a few select hydrographs, but in general, the model appears to be stable.

4.2 CALIBRATION AND VERIFICATION CRITERIA

The events identified as described in Section 3.2 and shown in Appendix D were separated into calibration and verification events for each flow meter. In general, events from September through December 2015 were used for calibration (shown on page 1 of Appendix D) and events from June through August 2015 were used for verification (shown on page 2 of Appendix D). The specific calibration and verification events for each flow meter are provided in Appendix H.

Calibration and verification criteria for modeled rainfall-derived flow were based on the following guidance provided in WaPUG (WaPUG, 2002):

- Peak flow rates should be in the range of -15% to +25%
- Flow volumes should be in the range of -10% to +10%
- Timing of peaks and troughs should be similar

Modeled flow at a particular location was considered calibrated when the weighted averages for calibration event peak flow rates and flow volumes were within or close to the range above, when several individual events were within the criteria for peak flow rates and/or flow volumes, and when the event hydrograph shapes were similar to the metered shape for most or all events. The averages were weighted based on metered event peak for peak flow rates and metered event volume for flow volumes. Both the total weighted averages and the weighted averages for only uniform rainfall events were considered when making this determination.

Calibration and verification criteria for modeled rainfall-derived flow depth were based on the following guidance provided in WaPUG (WaPUG, 2002):

- Unsurcharged depth should be in the range of ± 0.33 feet
- Surcharged depth should be in the range of -0.33 feet to +1.67 feet

Modeled depth at a particular location was considered calibrated when the weighted averages for calibration maximum, minimum, and average depths were within or close to the range above, when several individual events were within the criteria for maximum, minimum, and/or average depths, and when the event depth graph shapes were similar to the metered shape for most or all events. The averages were weighted based on metered maximum, minimum, and average depths, as

applicable. Both the total weighted averages and the weighted averages for only uniform rainfall events were considered when making this determination.

After calibration was achieved as discussed above, the model was run for the verification events. The modeled flow and/or depth for the verification events were also compared to the WaPUG criteria described above. The model was considered verified if the results met the same criteria as described above for calibration. Tables and graphs comparing the modeled values to the metered values for calibration and verification events are provided in Appendix H.

4.3 NON-RUNOFF RAINFALL DERIVED INFILTRATION AND INFLOW CALIBRATION AND VERIFICATION

Modeled RDII was calibrated and verified for non-runoff stormwater drainage areas, where the only flow through the sewers is due to dry weather flow and RDII. This included the flow entering the WWTP from the Kickapoo Interceptor. RDII for stormwater runoff drainage areas was estimated during runoff calibration based on the RDII identified in the non-runoff drainage areas.

The triangular unit hydrograph (or RTK) method was used to model the RDII flow via the Unit Hydrograph Editor in PCSWMM. SWMM and PCSWMM allow for the use of up to three unit hydrographs for inflow at a particular node. The three-unit hydrographs are typically referred to as the long-term, medium-term, and short-term responses. The long-term response unit hydrograph was typically used to represent wet weather-influenced flow that enters the system over a period of several days. The medium-term response was typically used to represent flow that enters the system over a period of minutes to days. The short-term response was typically used to represent flow that enters the system over a period of minutes to hours.

The following parameters for each unit hydrograph in the Unit Hydrograph Editor were adjusted to calibrate RDII:

- R = fraction of rainfall volume that enters the sewer system
- T = time from the onset of rainfall to the peak of the unit hydrograph
- K = ratio of time of wet weather flow after unit hydrograph peak to T
- Dmax = volume of rain that must occur before runoff starts (once exceeded, rainfall will become runoff per RTK values above)
- Drec = rate at which Dmax is recovered

Calibration started with the longest, smallest flows (long-term response) and then proceeded to faster and larger flows (medium- and short-responses). Calibration was performed with the dry weather flow in the model, as discussed in Section 4.1.11. The goal of calibrating was to find a reasonable set of parameters that resulted in the modeled flows matching the observed flows as best as possible for the most calibration wet weather events (see Section 4.2).

As calibration proceeded, metered areas with similar RDII characteristics were identified and, where possible, the same modeled RDII parameters were used for multiple metered areas. The metered areas with calibrated RDII values were generally categorized as having low, medium, and high RDII.

The calibrated long-term, medium-term, and short-term R, T, K, D_{max} , and D_{rec} values are shown in Appendix G.

After the RDII was calibrated for non-runoff drainage areas, the RDII for stormwater runoff drainage areas was extrapolated based on proximity to calibrated RDII areas and the shape of the metered hydrograph (minus predicted runoff). The sources of the extrapolated values used for the combined areas are shown in Appendix G.

For non-runoff drainage areas, RDII was input at the node closest to the metered location, which was typically at or near the upstream end of the modeled sewer system. For stormwater runoff drainage areas, RDII was input in the upstream end of the flow meter drainage area, downstream of any upstream flow meters. In some flow meter drainage areas, inputting all the RDII into one node would cause flooding in the model, so in these instances, portions of the RDII were input into multiple nodes to add up to the total RDII.

As discussed in Section 4.1.11, the Fulton drainage area was metered in 2017 due to inconsistencies between upstream and downstream meter data from 2015. The RDII for Fulton was recalibrated using the 2017 meter data. The long-term, medium-term, and short-term R, T, K, D_{max} , and D_{rec} values for meters 009-03FPA and 009-03FPB are shown in Appendix G and the 2017 calibration and verification tables and graphs are provided in Appendix H.

As discussed in Section 4.1.10, RDII was added to the model for the Abington Street direct connection. The drainage area was delineated and the model was updated to include RDII directly to the RFI using the unit hydrograph and initial abstraction calibrated for meter 019-04FT, per GPSD's notes in the figure provided in Appendix I.

4.4 RUNOFF CALIBRATION AND VERIFICATION

After dry weather and RDII flows were entered into the model, runoff for the stormwater runoff drainage areas was calibrated. As discussed in Section 4.2, events from September through December 2015 were typically used for calibration, and events from June through August 2015 were typically used for verification. However, the July 11 and July 16 events tended to have the highest peak flow of all the metered events during 2015 and there were instances when the model would show runoff from pervious areas during these events, but not any other events (runoff from pervious areas is discussed in Section 4.4.1 below). As such, there were cases when one or both of these events were moved from verification to calibration events. The specific calibration and verification events for each flow meter calibration are provided in Appendix H.

Runoff was calibrated by adjusting the following subcatchment parameters:

- Pervious infiltration rates
- Impervious areas that are routed to pervious (DCIA and DIA areas) and/or that are leaving the subcatchment via overland flow
- DCIA widths

Prior to adjusting subcatchment parameters, the model was run for the calibration events using the subcatchment setup described in Section 4.1.2. The modeled results were compared to the metered results for flow volume and peak flow rates to inform the calibration process. Modeled flow volumes were then adjusted to be higher or lower by calibrating infiltration rates and impervious area routing. Once volumes were calibrated, modeled peak flow rates were adjusted to be higher or lower by calibrating DCIA widths. Below are more details on each of these calibration procedures.

4.4.1 Pervious Infiltration Rates

Pervious infiltration rates were adjusted to calibrate flow volumes. The first step in calibrating infiltration rates was determining if runoff from pervious subcatchments was appropriate. This was evaluated by setting the maximum and minimum infiltration rates high so all rainfall and flow onto the pervious subcatchment infiltrated.

There were many flow meter drainage areas where more volume was modeled from directly connected impervious areas alone than metered, indicating that pervious runoff (which runs onto DCIA subcatchments) is not necessary and that all rainfall and runoff reaching the pervious subcatchment infiltrates. In these situations, the maximum and minimum infiltration rates were set to the same value and adjusted incrementally until right on the cusp of causing runoff from the pervious subcatchments during the metered 2015 events.

For some flow meter drainage areas, flow volumes for the highest peak flow events were too low when there was 100 percent infiltration in the pervious subcatchments, indicating that some runoff from pervious subcatchments is appropriate. In these situations, the maximum and minimum infiltration rates were each adjusted incrementally until the flow volumes matched well for the highest peak flow events, without causing the lower peak flow events to be too high. The calibrated infiltration rates are summarized in Appendix F.

4.4.2 Impervious Area Routing

After infiltration rates were calibrated, impervious area routing was calibrated to further refine the flow volumes. The initial delineation and routing of impervious areas are described in Section 4.1.2.

Where no pervious runoff was modeled and the modeled flow volumes were still too high, one or more of the following steps was taken:

- Initially assumed RDII values were replaced with lower assumed RDII values (see Section 4.3)
- Area initially assumed to be DCIA was changed to DIA
- Flow was assumed to bypass sewer system inlets and flow overland offsite

The assumed maximum DCIA area that could be converted to DIA area was estimated as either the amount of the starting DCIA that is not roads, or 10% of the total subcatchment area, whichever was lower. To further calibrate the model, up to 100% of this area was transferred from each modeled DCIA subcatchment to each modeled DIA subcatchment. The percentage transferred is referred to as the "Calibration Factor for Max DCIA Area that could be DIA Area" on the table in Appendix F.

For areas that were still producing too much flow in the model compared to the meter data after these adjustments were made, namely subcatchments 018-05-01, 018-05-02, 018-04-01, 016-03-01, 007-03-09, 007-03-12, and 007-03-13, it is suspected that the steep slope of the roads prevents some of the flow from getting into the sewer inlets and that the flow instead travels overland directly to the river or a downstream separate storm sewer system. To reflect this condition where it occurs, separate subcatchments were created for the disconnected areas and are connected to dummy outfalls in the model.

Where pervious runoff was modeled to match large peak flow events, but flow volumes for smaller events were too high, an iterative process was performed using the steps above as necessary along with additional adjustments to the pervious runoff factors, as necessary.

Flow volumes were modeled too low compared to the metered volumes for two flow meter drainage areas, 018-06FP and 019-10FT, where pervious runoff did not seem likely. In these instances, DIA areas were converted to DCIA areas following the same criteria indicated above for the reverse situation.

A summary of starting DCIA and DIA areas assumed maximum DCIA that could be DIA and DIA that could be DCIA, calibration factors, and calibrated DCIA and DIA areas is provided in Appendix F.

4.4.3 DCIA Widths

Once flow volumes were calibrated, peak flow rates were calibrated by adjusting the DCIA widths. In general, peak flow rates tended to be modeled high. To reduce the modeled hydrograph peaks, the DCIA width was reduced. DCIA widths were adjusted incrementally by adjusting the percent (calibration factor) of the starting width described in Section 4.1.2 until peak flow rates were calibrated. If peak flow rates were not modeled high, DCIA widths were left at the starting width. A summary of the starting widths, adjustment factors, and calibrated widths is provided in Appendix F.

4.4.4 Spring and Caroline Runoff Calibration Updates

Updates were made to the Spring and Caroline runoff calibration following submittal of the 2016 model to address high modeled stormwater runoff and improve the storage sewer depth calibration. The Spring and Caroline subcatchments had a significant amount of runoff modeled from pervious areas for the large rainfall events that occurred during 2017. The modeled flows with the pervious runoff were significantly higher than metered at the Caroline Street regulator (003-03FP) and Spring Street regulator (003-02FP) and modeled flow depth was significantly higher than metered in the downstream storage sewer (003-01LE). The pervious area infiltration rates were increased to reduce pervious runoff and better match the metered flows and depths at these locations.

The Spring Street regulator inflow pipe is a challenging location to meter because the pipe is very steep (approximately 3.4% slope) with metered flow velocities ranging from 3 feet per second (ft/s) to more than 20 ft/s. The 2015 meter data for 003-02FP was often poor quality, with data from only one month of more than six months of monitoring identified as having good quality data suitable for calibration and verification. In April 2017, a new velocity sensor was installed at the 003-02FP meter location to improve the data quality. The previous velocity sensor recorded peak velocity while the new sensor recorded surface velocity. The flow monitoring firm advised the surface velocity sensor

may provide more accurate data for this monitoring location. The metered flow response to rainfall at 003-02FP was significantly lower in 2017 compared to 2015. The modeled stormwater runoff calibration was updated to better match the 2017 flows. However, even with 100% of the max DCIA that could be DIA modeled as DIA, the modeled peak flow rates and total flow volumes for rainfall events were higher than metered for 2017. Given the challenges with obtaining reliable flow meter data at this location, both 2015 and 2017 events that were determined to have good data quality were used for calibration. This results in the modeled flows being lower than metered for 2015 events and higher than metered for 2017 events, but the weighted average for all events is within the target calibration range.

The model runoff calibrations adjustments are further supported by the improved modeled flow depth compared to metered in the downstream storage sewer. The storage sewer depth calibration was an outstanding item identified in the 2016 Existing Conditions Model Report as likely needing adjustments in the future. During wet weather events, the model was predicting high levels in the storage sewer for a longer duration than shown by the meter data. This caused the model to predict overflows for a longer duration than indicated by the meter data. The updated calibration, with less stormwater runoff, decreased the modeled flow depth and duration of high flow depth in the storage sewer, resulting in the duration of modeled overflows more closely matching metered.

The updated subcatchment characteristics are provided in Appendix F and the updated calibration and verification tables and graphs are provided in Appendix H.

4.5 REGULATOR CALIBRATION AND VERIFICATION

To calibrate flow diversions through regulators, a hydraulics-only PCSWMM model was used. The hydraulics-only model consisted of the regulators, RFI, storage sewer, WWTP, and outfalls, but did not include the trunk sewers extending up into the sewersheds or the subcatchments. In general, flow meter data from directly upstream of the regulators was used as inflows for the hydraulics-only model to avoid compounding or incorrectly counteracting errors from the runoff calibration. Flow through the RFI upstream of the regulator was taken from meter data, where available, and from time series extrapolated from the complete model, where appropriate.

For calibration, modeled regulator performance was compared to meter data at the following locations, depending on meter data availability:

- Depth in the regulator or directly upstream of the regulator
- Depth in the throttle pipe
- Flow in the throttle pipe
- Depth in the outfall pipe
- Flow in the outfall pipe

The wet weather events and calibration criteria used are discussed in Section 4.2. The specific calibration and verification events for each flow meter, and associated calibration and verification tables and graphs, are provided in Appendix H.

The regulators were calibrated by altering the following items as required:

- Weir coefficients
- Orifice coefficients
- Minor losses at regulators
- Minor losses in throttle pipes
- Minor losses in outfall pipes

Adjustments required for calibration are documented in the model file notes for that item (see the model input file in Appendix E). The calibration values typically fell within reasonable ranges considering the configuration of the structures. Two of the three Sanger sewershed regulators, specifically the Sanger Street regulator, and Washington Street East regulator, required extreme adjustments, including decreasing the modeled throttle pipe diameter, decreasing the modeled weir inlet offset, and decreasing the modeled inlet offset of the overflow pipe leaving the regulator. It is suspected that this is due to the steep slopes of the pipes coming into the regulators likely causing hydraulic turbulence. Televising performed by GPSD in March 2017 shows significant debris at the Sanger Street regulator, which supports the lower modeled throttle pipe capacity.

After the regulators were calibrated in the hydraulics-only model, the updated regulator setup was imported back into the complete model.

4.6 RIVERFRONT INTERCEPTOR AND STORAGE SEWER CALIBRATION AND VERIFICATION

The flow rate in the RFI was calibrated and verified at two locations and flow depth was calibrated and verified at six locations.

Following the 2016 Existing Conditions Model Report, the flow in the RFI was verified at one additional location – the M2 meter at the WWTP. The flow depth in the storage sewer was calibrated and verified at one location – the 003-01LE meter in the Outfall 003 overflow structure.

4.6.1 Flow Rates

The modeled flow rates in the RFI at the 000-06FT (between Abington Street and Van Buren Street) and 000-05FT (at Walnut Street) meters generally matched the meter data well and did not require further calibration, except during periods of high river stage. Both meters showed higher metered versus modeled flow when the river stage was high. Higher meter flow was observed at 000-05FT when the river exceeded 453 feet. High meter flow was observed at 000-06 and upstream meter 000-11FT when the river exceeded 450.2 feet. For both the 000-05FT and 000-11FT meters, the difference between metered and modeled flow was plotted versus the river stage and a regression equation was used to determine the relationship between the extra flow and river stage. The regression equation was used to generate a time series of the river-related inflow, which was entered into a modeled node upstream of the respective flow meter.

The modeled flow rates in the RFI near the WWTP were calibrated and verified to the 2017 M2 meter data. The modeled dry weather flow rates tend to be approximately 7 cfs higher than metered flow rates. After accounting for this offset, the model and meter tended to match well, except during high river stage. The meter data indicates that river inflow occurs when the river stage is higher than 447.4 feet. Following the approach described above, a regression relationship was determined and used to generate a time series of river-related inflow, which was entered into a modeled node upstream of the M2 flow meter. The calibration and verification tables and graphs for 2017 events are included in Appendix H.

4.6.2 Flow Depths

To get the modeled depths to match the metered depths, sediment and minor losses were added to the modeled RFI. Sediment was added to the modeled RFI pipes to match the metered dry weather flow depths. Minor losses were added at the entrance and exit of the rectangular RFI pipe that passes under the South outfall pipe to match the metered wet weather flow depths. The modeled depth at the 000-01LE meter at Darst matched the meter data well with 6-inches of assumed sediment in the 7-foot diameter pipe. Upstream of the 000-02LE meter at Cedar, the RFI depth recorded by the level meters was significantly higher than the depth initially modeled in the RFI. The RFI has a low spot where it passes under the South outfall, between the Darst and Cedar meters. A blockage at this low spot could help explain the high depths observed upstream. GPSD has not yet verified the existence of a blockage at this low spot.

In May 2017, GPSD provided Peoria with sediment depth measurements collected throughout the RFI in April 2017 as well as previous years dating back to 1982. The GPSD sediment measurements are included in Appendix J. GPSD also stated that the modeled Manning's roughness coefficient of the RFI should be increased from 0.013 to 0.016, based on an analysis they performed to estimate the hydraulic coefficient. The modeled sediment and Manning's roughness coefficient for the RFI were updated to reflect the 2017 information provided by GPSD.

After the model was updated to incorporate the new information, the modeled flow depths were compared to the 2017 depths recorded by the permanent level meters in the RFI and storage sewer. The edits made to calibrate the modeled depths are summarized below.

- **Sediment** – After updating the modeled sediment based on 2017 GPSD measurements the modeled dry weather flow depths generally matched metered depths at all locations, except at meter 000-04LE just downstream of where the Eaton throttle pipe connects to the RFI. At this location, GPSD measured zero sediment but the metered dry weather flow depths were significantly higher than modeled. To calibrate modeled depths to metered at this location, 1.9 feet of modeled sediment was added to the pipe directly downstream of the meter. Sediment depth was also added to upstream and downstream modeled pipes to provide a gradual transition to the increased sediment depth instead of an abrupt change.
- **Minor Losses** – Modeled minor losses were adjusted to calibrate depths during wet weather flow. Modeled wet weather flow depths at 000-01LE and 000-02LE were higher than metered depths after the sediment updates. To calibrate wet weather flow depths at these locations, minor losses were reduced near the WWTP and at the location where the RFI crosses under the South Street outfall pipe.

- **Regulators** – The Spring and Caroline Street regulators were changed to be modeled as orifices instead of outlets. The previously modeled outlets significantly restricted the flow to the RFI from these sewersheds, resulting in modeled depths lower than metered in the RFI and higher than metered in the storage sewer. Modeling these regulators using orifices instead of outlets not only improves model calibration but it is also a more accurate representation of the system. The orifice coefficients were calibrated to match modeled depths in the RFI and storage sewer to the metered depths at these.
- **Weir Coefficient** – The weir coefficient for the Spring Street overflow from the storage sewer was adjusted to get modeled peak depths during overflow events to better match metered peak depths.

The updated calibration and verification tables and graphs for the RFI and storage sewer are included in Appendix H.

5.0 SUMMARY OF FINDINGS

5.1 FULFILLMENT OF OBJECTIVES

The City of Peoria Starting Conditions H&H Model achieves the following objectives listed in Section 1.2:

- Hydrology
 - Quantify surface runoff versus non-runoff rainfall derived infiltration and inflow
 - Accurately predict flow, particularly at outfalls
 - Estimate neighborhood scale flow
- Hydraulics
 - Extend trunk sewers into combined sewer areas
 - Accurately represent sewer geometry
 - Accurately represent flow diversions, particularly at outfalls

The trunk sewers were extended into the stormwater runoff drainage areas and some non-runoff drainage areas, which facilitated the estimate of “neighborhood scale” flow. Both the non-runoff RDII and surface water runoff portions of flow through the system have been quantified. The sewer geometry and flow diversions are accurately represented and appropriately predict flow at the outfalls.

The detailed Starting Conditions H&H Model predicts flow rates and volumes for each sewershed and accurately estimates the flow through the major trunk sewers, regulators, and other features of the CSSA. This will allow the City to better estimate the CSO Remedial Measures needed to meet the Final Performance Criteria.

5.2 GENERAL OBSERVATIONS

5.2.1 Non-Runoff Rainfall Derived Infiltration and Inflow

The RDII calibrated for each flow meter drainage area was grouped into one of the following categories: low, medium, or high. In general, areas above the bluff (see Section 2.1.1) tended to have high RDII, and areas below the bluff tended to have low or medium RDII. Also, southwest areas tended to have low RDII while northeast areas tended to have high RDII. Low flow areas, with 0.5 to 4.5% of the rainfall becoming RDII, include most of Darst, Cedar downstream of the bluff, and one flow meter drainage area draining directly to the RFI north of the combined sewer area (meter 000-11FT). Sanger and South were conservatively assumed to be medium flow areas even though they are between the low flow areas of Darst and Cedar. Medium flow areas, with 6 to 9% of rainfall becoming RDII, include small portions of Darst, parts of Cedar upstream of the bluff, the separated State Street sewershed, Eaton, and Spring-Caroline below the bluff. High flow areas, with 26.7 to 66% of rainfall becoming RDII, include half of the areas draining directly to the RFI north of the combined sewer area, with exception of 000-06FT, 000-10FT, and 000-11FT, part of Cedar

upstream of the bluff, Fayette upstream of the bluff, and Spring-Caroline upstream of the bluff. The Fulton sewershed also has high RDII, but unlike some other areas with high RDII, its flows peak quickly. This might be due to roof drains that are still connected to the Fulton separated sanitary sewer system. Most high RDII areas show large amounts of rainfall getting into the system for weeks after periods of high rainfall. This suggests that saturated ground in these areas is slowly drained via infiltration into the sewer system. For more details on the RDII flow parameters, see Appendix G.

5.2.2 Stormwater Runoff

The model calibration indicates that throughout most of the combined sewer area there is little to no runoff from pervious areas during 2015 rainfall events. Fayette runoff subcatchments above the bluff are the only drainage areas modeled with a significant amount of pervious runoff for 2015 rainfall events. With the initial subcatchment setup, the model was overpredicting runoff compared to what the flow meter data showed for most flow meter drainage areas. The additional runoff is assumed to be infiltrated in pervious areas or to bypass inlets and flow into separate stormwater sewers or directly to the river. In general, areas with low RDII tended to calibrate well by assuming no runoff from pervious areas, and, in some instances, by assuming surface runoff was bypassing inlets and flowing out of the sewershed.

5.2.3 Riverfront Interceptor Depth

The flow depth in the RFI is impacted by sediment accumulation and appears to indicate a potential blockage. The sediment accumulation in the RFI was confirmed by the 2017 sediment measurements provided by GPSD. The RFI also appears to have a blockage, or some other influence, that is causing high flow depths during both dry and wet weather flow conditions. A suspected location of the blockage is the sewer crossing at South Street, where the RFI contracts as it passes beneath the South CSO outfall. This is likely affecting the performance of the RFI by reducing its capacity.

5.3 MODEL CONSTRAINTS

In general, the updated model can accurately predict flow rates and volumes for each sewershed and route the flow through the major trunk sewers, regulators, and other features of the CSSA. However, there are some possible improvement opportunities, as described below. The City may address limitations in the future, as necessary to plan, design, and install CSO Remedial Measures.

- **Unknown Infiltration Rates** – The infiltration capacity is unknown in some areas. As discussed in Section 4.4.1, several flow meter drainage areas appear to have no runoff from pervious areas. The infiltration rates for the subcatchments in these flow meter drainage areas were set to the lowest value that would not generate runoff for the 2015 events. The City may refine the modeled infiltration rates based on future data, if appropriate.
- **RDII Extrapolations and Assumptions** – The RDII flow was estimated using available flow meter data; however, the exact quantity of RDII in stormwater runoff drainage areas is unknown. The model errs on conservatively estimating more RDII, which may be refined in the future if additional information becomes available (e.g. flow monitoring data from pilot projects).

- **Estimated Distribution of Runoff Flow** – Another limitation of the model is that runoff distribution within each flow meter drainage area is estimated. Although the model estimates the amount of flow coming from each subcatchment, the flow can only be verified at meter locations. As such, the total flow from a flow meter drainage area can be calibrated, but the upstream distribution is approximate. Flow modeled from individual subcatchments may be refined based on future flow monitoring data, as necessary.
- **Dry Weather Flow Balance** – The sum of the dry weather flows recorded by the flow meters upstream of regulators is greater than the dry weather flow in the RFI recorded by flow meters 000-05FT and M2. The modeled dry weather flows match the dry weather flows metered upstream of the regulators, therefore the modeled dry weather flow in the RFI is higher than metered. Adding in the GPSD stated dry weather flow direct connections to the throttle pipes and RFI further exacerbates this issue. The source of this discrepancy has not been identified. The City may install additional meters in the future to further investigate the inconsistency in dry weather flow.
- **Sediment Changes Over Time** – GPSD provided RFI sediment depth measurements for 2017 and several other years dating back to 1982. This data shows that the depth of sediment in the RFI varies significantly over time. The meter level meter data for the storage sewer indicates its sediment also changes over time. The RFI and storage sewer sediment in the Starting Conditions H&H Model matches the 2017 measured values; however, this is expected to change over time. The City may monitor the sediment depth in the future to document how it changes over time and evaluate its impact on the RFI and storage sewer.
- **Spring Street Regulator Inflow** – The hydraulic conditions in the Spring Street regulator inflow pipe make it challenging to obtain good quality, reliable flow meter data. Other flow monitoring locations, one to two pipe segments upstream, were evaluated in 2015 but these had similar or worse hydraulic conditions than the 003-02FP meter location. The City may perform additional flow monitoring upstream of the Spring Street regulator and refine the model based on future flow monitoring data, as necessary.

6.0 MODELED CSO VOLUME

Peoria's Starting Conditions H&H Model was used to determine the modeled CSO discharge volume for Peoria's Six-Month Design Storm and Peoria's Typical Year, as defined in the Consent Decree. Note that the maximum river stage during 1949 (Peoria's Typical Year) was 446.3 feet. Inflow to the RFI is not observed for river stages below 447.4 feet, and the river does not impact the regulators until the river stage is much higher. Since the maximum river stage during Peoria's Typical Year is not high enough to impact the RFI or regulators, it does not impact CSO discharge volumes and therefore is not included in the Typical Year model.

Table 6.1 below summarizes the modeled CSO volume discharged at each CSO outfall for the Six-Month Design Storm and Typical Year. The modeled output files are included in Appendix E.

Table 6.1 | Modeled CSO Discharge Volume by Outfall for Peoria's Six-Month Design Storm and Typical Year

Sewershed	Outfall ID ¹	Six-Month Design Storm Overflow Volume (MG)	Peoria's Typical Year Overflow Volume (MG)
Darst ²	019	2.4	13.7
Sanger	018	3.1	33.7
South	017	1.6	13.9
Cedar	016	6.4	59.8
State	014	0.0	0.0
Walnut	013	0.0	0.0
Harrison	011	0.0	0.0
Liberty	010	0.0	0.0
Fulton	009	0.0	< 0.1
Main	020	0.0	0.0
Hamilton	008	0.0	0.0
Fayette ³	A07	2.7	13.1
Eaton ⁴	A06	2.5	15.3
	B06	0.4	2.0
Green	001	0.0	0.0
Spring-Caroline	003	2.2	13.1
TOTAL		21.3	164.6

NOTES:

1. Outfalls are listed from south to north
2. CSO volumes reported for Darst (Outfall 019) use the modeled flow from the first conduit (P19B017901_1) downstream of the regulator instead of the modeled flow at the outfall because a storm sewer is directly connected to the outfall at node 019_SW_Connection. Therefore, flow at the modeled outfall 019 is a combination of CSO and stormwater. All other CSO volumes reported in this table use the total flow from the modeled outfall.
3. Modeled outfall ID is 007A, the table above includes permitted outfall ID
4. Modeled outfall IDs are 006A and 006B, table above includes permitted outfall ID

7.0 REFERENCES

Bhowmik, N.G., W. C. Bogner, J. A. Slowikowski, and J.R. Adams. (1993). Monitoring and Evaluation of Sediment Inputs for Peoria Lake. Champaign, IL: Office of Hydraulic and River Mechanics Hydrology Division, Illinois State Water Survey. ILENR/RE-WR-93/01.

Farnsworth Group. (2006). Plan of Study to Determine Compliance with Bacterial Water Quality Standards for City of Peoria Combined Sewer Overflows. Peoria, IL: Author.

Greeley and Hansen. (2006). Kickapoo Interceptor Flow Monitoring, Modeling and Study: Final Report. Chicago, IL: Author.

Horberg, L. (1950). Groundwater in the Peoria Region, Part 1 – Geology. Urbana, Illinois: Illinois State Geological Survey. Bulletin No. 75.

Illinois Environmental Protection Agency, Division of Water Pollution Control. (2006). National Pollutant Discharge Elimination System Permit No. IL0037800. Springfield, IL: Author.

Wastewater Planning Users Group (WaPUG). (2002). Code of Practice for the Hydraulic Modelling of Sewer Systems.

FIGURE 1

GPSD Trunk Sewers



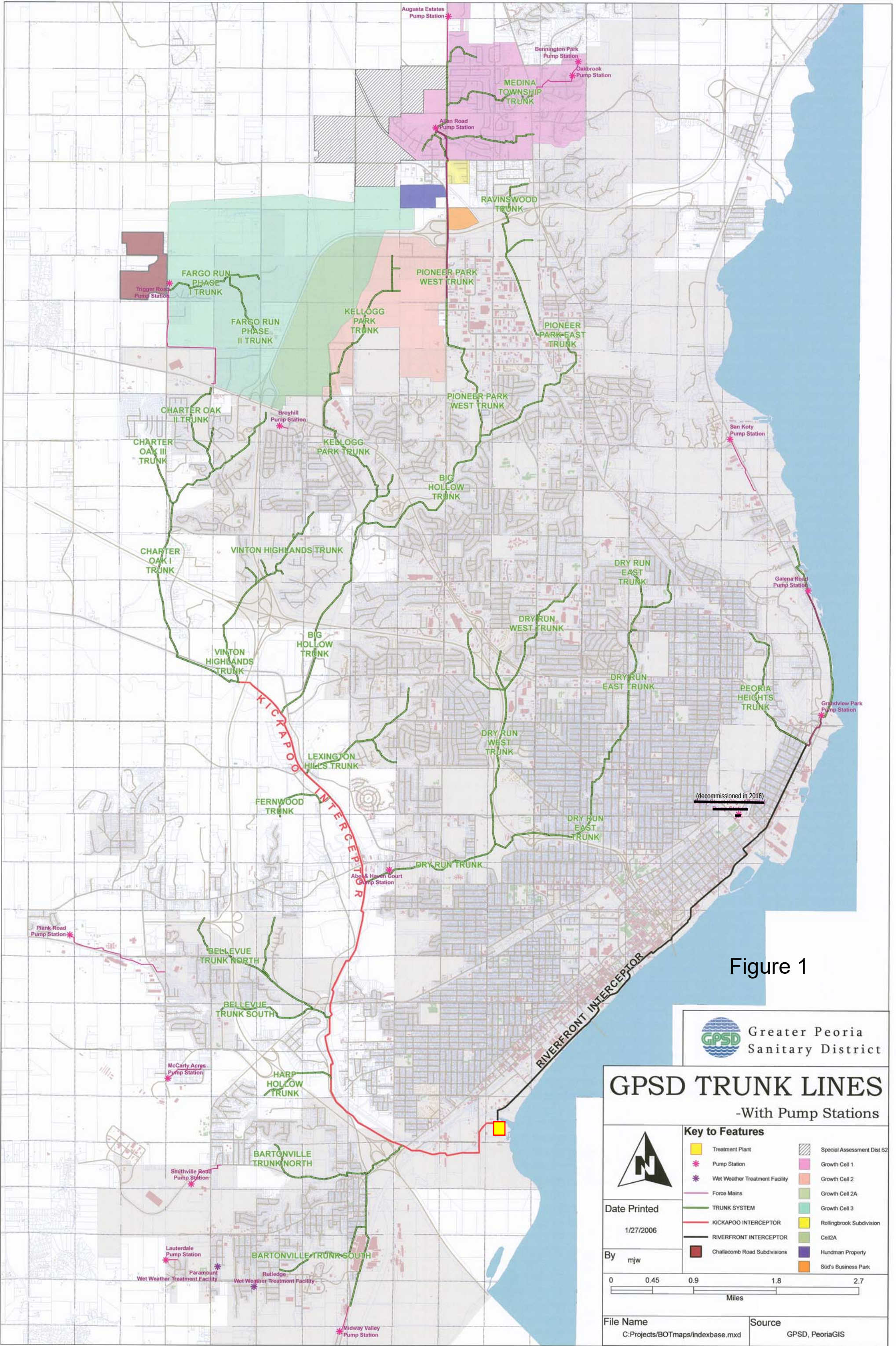


FIGURE 2

Overview of Combined Sewer Service Area

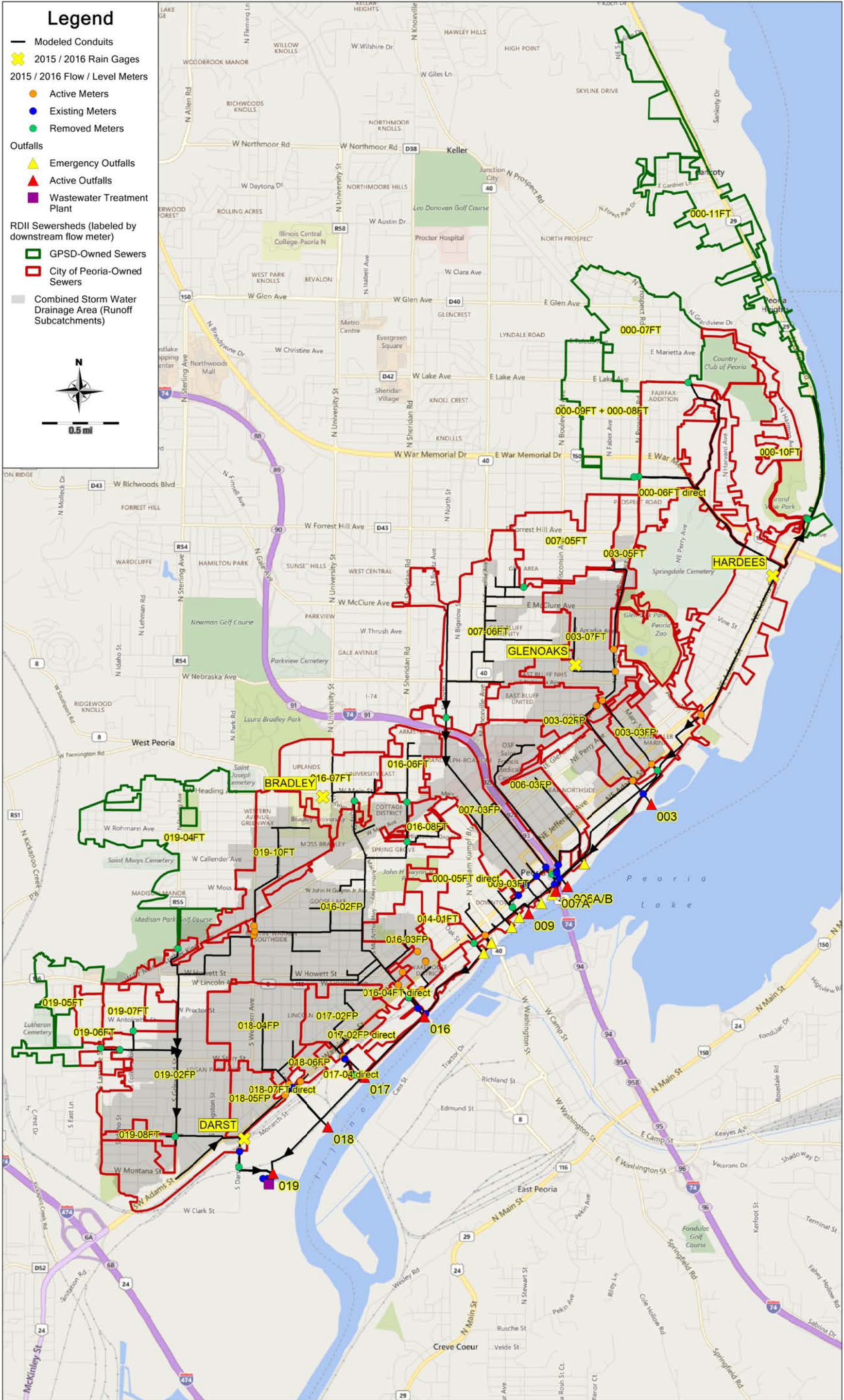


FIGURE 3

Impervious Areas



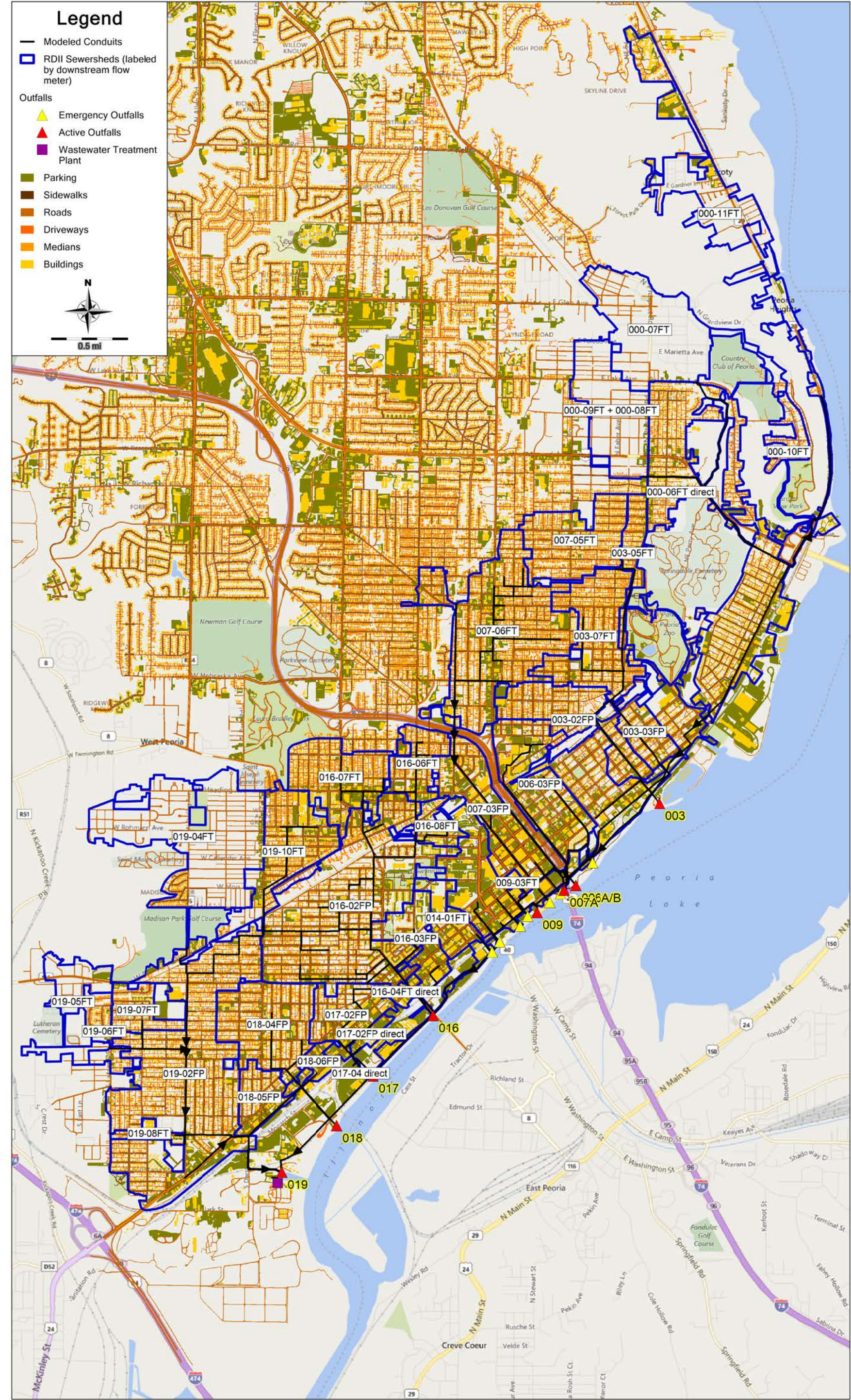
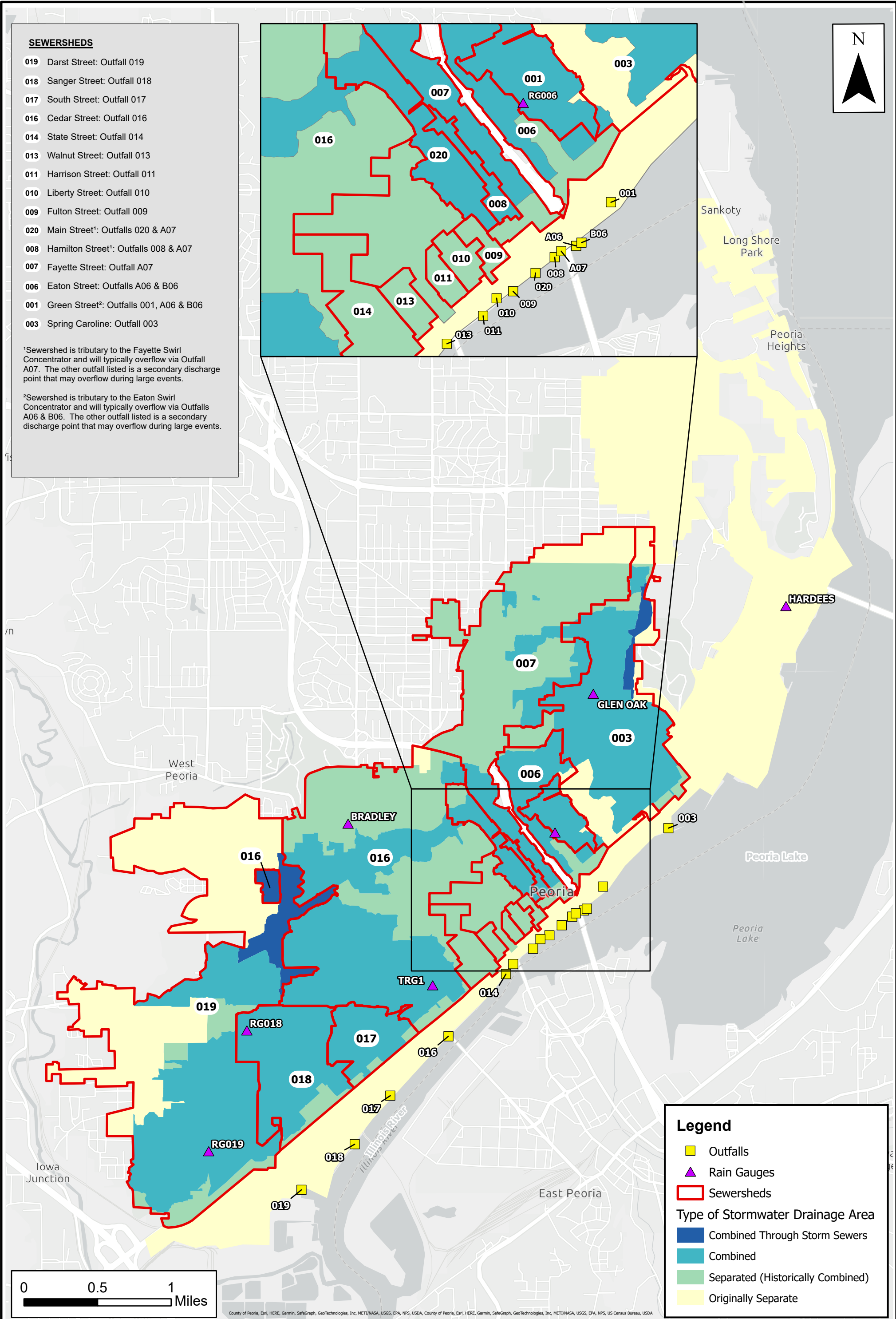


FIGURE 4

Sewersheds and 2017 Rain Gauge Locations



APPENDIX A

Part A of Appendix D of the 2016 Draft Consent Decree with Report References

APPENDIX D: COMBINED SEWER OVERFLOW REMEDIAL MEASURES PROPOSAL REQUIREMENTS

The CSO Remedial Measures Proposal shall provide sewershed-based Design Criteria for each Remedial Measure in Peoria's detailed plan that collectively result in achieving the Performance Criteria of this decree, which is defined as no more than zero modeled CSO overflow events during Peoria's Design Storm. The CSO Remedial Measures Proposal include, the following:

A. An Existing Condition Hydrologic and Hydraulic Modeling Report. This Existing Condition Hydrologic and Hydraulic Modeling Report shall include, at a minimum, the following elements:

1. Model Development

a. Introduction (Section 1.0)

b. Project definition

i. A summary – outlining the purpose, methodology and main conclusions; (Section 1.3, Section 5.2)

ii. Introduction – explaining the reasons for developing the existing conditions SWMM model; (Section 1.0)

iii. The intended purpose of the model, and the type of model built and any constraints of the model; and (Section 1.2, Section 5.3)

iv. A description of the existing system, area, population, types of catchment, ground topography, condition of system, soil conditions, land-use, etc. (Section 2.0)

c. Data Collection

i. A list of data used, including reference to their sources with issue numbers or dates; (Section 3.0, Appendix B)

ii. Details of any specific surveys or investigations carried out which are not to be archived elsewhere should be included as an appendix; (no specific surveys or investigations were carried out)

iii. Identification of conflicts between different sources of information and how each conflict was resolved; (Section 3.4)

iv. Standardized presentation on a GIS or other large scale plan of information from impermeable area surveys. Also, include an explanation of how the information from the sample surveys was extrapolated to provide data for the whole catchment; and (Section 3.5, Figure 3)

v. Details of any checks carried out on the data. (Section 3.2.1)

d. Model Building

i. Assumptions about the data; (Appendix B)

ii. Where these are not included in the modeling data file, details should be recorded of selection of model node references. This should include a means of cross-referencing the model pipe references to manhole number on the sewer records; (see model)

iii. Any changes to the data – provide a list of changes and justification; (Appendix B, see model)

- iv. If simplification to the model has been carried out, include the criteria used and the justification for any changes made *which will not be obvious from* (to) the model data. For example, the representation of two parallel pipes by a single pipe of a calculated dimension should be recorded and calculations included; (documented in the model)
 - v. Whether any allowance has been made for unmodeled storage and the basis for this allowance; (N/A, model is a direct representation)
 - vi. Details of ancillaries included and omitted from the model and any calculations used; (Section 4.1, Appendix E)
 - vii. A printed input file of the existing SWMM model file; and (Appendix E)
 - viii. Explanation of simulation options used for the model including any changes to the default SWMM options. (Section 4.1.9)
- e. Model testing: Details of any tests carried out should be recorded. Any locations where instabilities were identified should also be recorded, together with details of the changes made to resolve them. (Section 4.1.13)
- 2. Flow Monitoring, including relevant flow monitoring data compiled for model development with an explanation of the data provided. (Section 3.1)
- 3. Model Calibration
 - a. A summary outlining the main conclusions of the calibration; (Section 5.2)
 - b. Details on each specific storm (date, time, amount of precipitation, etc.) used for the calibration. This includes an explanation of any spatial distribution assumptions for each rain event and the basis of the selection of each event; (Section 3.2, Appendix D)
 - c. Details of the flow survey locations and how they were selected. The documentation should list the locations chosen and any alternatives considered; (Section 3.1.1, Appendix C)
 - d. References to the relevant flow monitoring data used for the calibration; (Appendix H)
 - e. A demonstration that a proper calibration of the model was performed, consistent with Table 5.2 of Water Environment Federation's MOP FD-17, *Prevision (Prevention) and control sewer system overflows* (see attachment *FD17-Tables5_2.pdf*) (Section 4.2, Appendix H)
 - f. Detailed descriptions of any changes made to the model during the course of the calibration and the justification of making these changes; (Section 4.0)
 - g. Any relevant hydrographs at each calibration location illustrating how the observed data compares to the model output for the calibration; (Appendix H)
 - h. Explanation of the hydrographs within a discussion of what constitutes a calibrated model; and (Section 4.2, Appendix H)
 - i. Final Conclusions of the calibration—any judgements or model weaknesses should be noted and any sensitivity analysis conducted should be included here as well. (Sections 5.2, Section 5.3)
- 4. Model Verification (Section 4.2, see references for Model Calibration above)

- a. A summary – outlining the main conclusions of the verification;
 - b. Details on each specific storm (date, time, amount of precipitation, etc.) used for the verification. This includes an explanation of any spatial distribution assumptions for each rain event and the basis of the selection of each event;
 - c. Details of the flow survey locations and how they were selected. The documentation should list the locations chosen and any alternatives considered;
 - d. References to the relevant flow monitoring data used for the verification;
 - e. A demonstration that a proper validation of the model was performed, consistent with Table 5.2 of MOP FD-17 (*see attachment FD17-Table5_2.pdf*);
 - f. Detailed descriptions of any changes made to the model during the course of the verification and the justification for making these changes;
 - g. Any relevant hydrographs at each verification location illustrating how the observed data compares to the model output for the verification;
 - h. Explanation of the hydrographs within a discussion of what constitutes a verified model; and
 - i. Final conclusions of the verification.
5. Peoria shall also include the following supporting documentation within its Existing Conditions Hydrologic and Hydraulic Modeling Report:
 - a. A table with the relevant hydrologic parameters, including but not limited to the subcatchment ID, the CSO the subcatchment is tributary to, the area, width, percent slope, percent of impervious, and any infiltration parameters used for each subcatchment; (**Appendix F**)
 - b. Any other tables with other SWMM hydrologic components used and their relevant parameters; (**Appendix G, Appendix E, see model**)
 - c. Maps illustrating delineated sewer subcatchments (with name/ID used in SWMM labeled on the map); (**Figures in Appendix H**)
 - d. A schematic of the hydrology components (with each subcatchment identified); (**Figures in Appendix H**)
 - e. An explanation of the development of the existing conditions land-uses, how the percent of impervious was calculated, and how the existing conditions infiltration parameters were developed. Peoria should include any supporting documentation of each these explanations when necessary; (**Section 3.5, Section 4.4**)
 - f. A series of tables with the following relevant SWMM parameters, including but not limited to the manhole/junction ID, the invert elevation, any inflows used for each junctions/manholes, the sewer ID, the sewer length, the sewer shape, the sewer roughness coefficient, the maximum depth (size of pipe) used for sewer conduits, the pump ID, the corresponding inlet node for each pump, the corresponding outlet node for each pump, the pump curve ID, the pump startup depth, and shutoff depth used for each lift station; (**Appendix E, see model**)

- g. Include graphs showing each pump curve used for each lift station; (see model)
- h. A table with the relevant SWMM parameters used for the restrictor devices; (Appendix E, see model)
- i. A table with relevant SWMM boundary conditions for each CSO outfall or other outfall location; (Section 4.1.12, Appendix E, see model)
- j. A list with the relevant inflows linking the hydrology output with each corresponding hydraulics component; (Appendix E, see model)
- k. A schematic illustrating the location of each existing model SWMM hydraulics components (this could be multiple maps). *Please see the attached example (SWMM_SchematicExample.pdf).*; (Figures in Appendix H, see model)
- l. Any other tables with other SWMM hydraulic components (e.g. SWMM storage units) used and their relevant parameters. For example, for SWMM storage units, Peoria should develop a table with the relevant storage unit parameters and include the storage curves used for each storage unit; (Appendix E, see model)
- m. A table presenting the calibration analysis performed including relevant comparison hydrographs between the model and the actual gathered data; and (Appendix H)
- n. The hydrologic and hydraulic existing conditions modeling input and output files for the Peoria's Design Storm. (Appendix E)

APPENDIX B

Summary of Data Sources

Description	Source	Date Obtained	File Date	Data Reviews	Edits, Assumptions, and Notes
Manhole / Structure Survey Results	AMEC	2007	2007	Compared to other data sources to see of logical	Values adjusted as documented in the model if not logical relative to other information
GIS Layers of Manholes and Sewers	Greater Peoria Sanitary District	2007, with an update in 10/2015	N/A	Compared 2007 and 2005 data, and performed sewer profile checks for positive flow, reasonable manhole rims, reasonable pipe size changes, etc.	Assumed 2007 data is more accurate than 2015 data per GPSD; values were adjusted as documented in the model if not logical relative to other information
Sewer Record Drawings	City of Peoria	2007	Various		Data was used as a backup source if missing or questionable data found in GIS info, survey info, or record drawings
Georeferenced Scanned Paper Sewer Maps	Greater Peoria Sanitary District	2007	N/A		Data was used as a backup source if missing or questionable data found in GIS info, survey info, or record drawings
Scanned Paper Sewer Maps	City of Peoria	2007	N/A		Data was used as a backup source if missing or questionable data found in GIS info, survey info, or record drawings
Flow Monitoring (temporary and permanent meters)	ADS Environmental Services	Various dates throughout 2015	2015	Level and velocity data were reviewed for logical patterns, and meters in series were reviewed for logical patterns	The depth meter used to calculate flow changed when the default meter was bad, and occasionally missing data points were extrapolated where it was determined reasonable to do so
Flow Monitoring (existing meters)	Greater Peoria Sanitary District	Requested as needed	N/A	Level and velocity data were reviewed for logical patterns, and meters in series were reviewed for logical patterns	Occasionally missing data points extrapolated where it was determined reasonable to do so
Rain Gages	ADS Environmental Services	Various dates throughout 2015	2015	Rainfall totals were compared to the NOAA rain gage at airport, and event reviews were completed to determine variability in rainfall	
Rain Gage	NOAA Website	Downloaded as needed	N/A		
Illinois River Sage	USACE Website	Downloaded as needed	N/A		
Impervious Areas	City of Peoria	2015	N/A	Compared to current aerial photos	
Topography in 2-Foot Contours	Peoria County	2007	N/A		
Google Maps and Streetview	Google	As needed	N/A	Compared to recent photos if necessary	
Bing Maps and Streetview	Bing	As needed	N/A	Compared to recent photos if necessary	

Notes:

NOAA = National Oceanic and Atmospheric Administration
USACE = US Army Corp of Engineers

APPENDIX C

Meter Summary

Meter ID	Location	Nearest Intersection	Installation Date	Removal Date	Status as of 12/30/2016	Primary Purpose(s)								Approximate Pipe Size, inches *
						Infiltration & Inflow	Surface Runoff	Upstream Flow Diversion	Regulator Inflow	Regulator To Interceptor Flow	Overflow	Interceptor Flow	Pilot Project	
M1	Kickapoo interceptor At WWTP	WWTP	before 2007	N/A	permanent	X	X					X		54
M2	Riverfront interceptor At WWTP	WWTP	before 2007	N/A	permanent	X	X					X		54
000-01LE	Riverfront interceptor	Crowell St. & Darst St.	before 2007	N/A	permanent							X		84
000-02LE	Riverfront interceptor	MacArthur Hwy (Cedar St.) & river	before 2007	N/A	permanent							X		69 / 78
000-03LE	Riverfront interceptor	Water St. west of I-74	before 2007	N/A	permanent							X		60
000-04LE	Riverfront interceptor	Water St. east of I-74	before 2007	N/A	permanent							X		48
000-05FT	Riverfront interceptor Upstream of Walnut St. Connection	Walnut St. & Water St.	6/15/2015	expected soon	removal pending	X	X					X		65
000-06FT	Riverfront interceptor Upstream of Caroline St. Regulator	Grant St. & NE Adams St.	6/12/2015	expected soon	removal pending	X						X		39
000-07FT	1561 E Lake Ave. in Grass on North Side of Road	Lake & Shady Oak	6/15/2015	1/15/2016	removed	X								15
000-08FT	N Prospect & E London Ave.	London Ave. & Prospect Rd.	6/15/2015	1/15/2016	removed	X								12
000-09FT	London Ave, Just West of Prospect & London	West of London Ave. & Prospect Rd.	6/11/2015	1/15/2016	removed	X								17.5
000-10FT	Riverfront interceptor Upstream of Grandview Pump Station	North of Grandview Dr. & Lorentz Ave.	6/18/2015	1/28/2016	removed	X								15
000-11FT	Riverfront interceptor Upstream of Grandview Pump Station	North of Grandview Dr. & Lorentz Ave.	6/18/2015	1/15/2016	removed	X								21
019-01LE	Darst St. Outfall Pipe	Crowell St. & Darst St.	before 2007	N/A	permanent						X			84
019-02FP	Darst St. Regulator	Crowell St. & Darst St.	6/15/2015	N/A	permanent	X	X		X		X			84
019-03FT	Downstream of Darst St. Regulator in Throttle Pipe	Darst St. & Montana St.	6/15/2015	1/15/2016	removed					X				24
019-04FT	Separate Trunk Sewer	North of Vista View Ct. & Sterling Ave.	6/11/2015	1/15/2016	removed	X								27
019-05FT	Separate Trunk Sewer	Laramie St. & Malone St.	6/15/2015	1/14/2016	removed	X								15
019-06FT	Separate Trunk Sewer	Malone & Idaho	6/15/2015	12/2/2016	removed	X								36
019-07FT	Separate Trunk Sewer	Folkers & Marquette	6/15/2015	12/2/2016	removed									42
019-08FT	Combined Trunk Sewer	Krause & Griswold	6/15/2015	1/15/2016	removed	X	X						X	21.38
019-09FT	Storm Sewer on Western Ave. That Combines With Overflow From 016 Sewershed	Western North of Smith	6/15/2015	expected soon	removal pending data confirmation	X	X	X						42
019-10FT	Storm And Combined Bypass Trunk Sewer - No Dwf - Receives Overflow From 016 Sewershed Upstream	Western North of Martin St	6/15/2015	expected soon	removal pending data confirmation		X							42
018-01LE	Sanger St. Regulator Outfall Pipe	Sanger St. & Washington St.	before 2007	N/A	permanent						X			48

Site Numbering System: AAA-BBCD

AAA = tributary outfall
BB = consecutive number tributary to one outfall
C = "F" for flow monitoring, "L" for level monitoring
D = "E" for existing monitor, "P" for new permanent monitor, "T" for new temporary monitor

Notes:

* Pipe sizes were field measured during 2015 installations
** Difficult flow monitoring location. Alternate locations were considered.
*** Status as of 12/31/2017

Meter ID	Location	Nearest Intersection	Installation Date	Removal Date	Status as of 12/30/2016	Primary Purpose(s)								Approximate Pipe Size, inches *
						Infiltration & Inflow	Surface Runoff	Upstream Flow Diversion	Regulator Inflow	Regulator To Interceptor Flow	Overflow	Interceptor Flow	Pilot Project	
018-02LE	Washington St. West Regulator Outfall Pipe	Sanger St. & Washington St.	before 2007	N/A	permanent						X			44
018-03LE	Washington St. East Regulator Outfall Pipe	Sanger St. & Washington St.	before 2007	N/A	permanent						X			28" x 42"
018-04FP	Upstream of Sanger St. Regulator	Sanger St. & Washington St.	6/15/2015	N/A	permanent	X	X		X					49.5
018-05FP	Upstream of Washington St. Regulator West of Sanger St.	Blaine St. & Washington St.	6/15/2015	N/A	permanent	X	X		X					44
018-06FP	Upstream of Washington St. Regulator East of Sanger St.	Sanger St. & Washington St.	6/15/2015	N/A	permanent	X	X		X					28" x 42"
018-07FT	Sanger St. Regulator	Sanger St. & Washington St.	6/15/2015	1/15/2016	removed					X	X			48
018-08FT	Washington St. Regulator West of Sanger St.	Sanger St. & Washington St.	6/11/2015	1/15/2016	removed					X	X			44.25
018-09FT	Washington St. Regulator East of Sanger St.	Sanger St. & Washington St.	6/15/2015	1/15/2016	removed					X	X			41.75" X 27.75"
018-10FE	Sanger St. Downstream of Sanger And Washington Regulators	Sanger St. & Washington St.	before 2015	N/A	permanent					X				28" x 42"
017-01LE	South St. Outfall Pipe	South St. & Washington St.	before 2007	N/A	permanent						X			60
017-02FP	Upstream of South St. Regulator	South St. & Washington St.	6/15/2015	N/A	permanent	X	X		X					55.75
017-03FT	South St. Regulator	South St. & Washington St.	6/15/2015	1/15/2016	removed					X	X			60.75
017-04FT	Downstream of South St. Regulator in Throttle Pipe	South St. & Washington St.	6/15/2015	1/15/2016	removed					X				15.25
016-01LE	Cedar St. Outfall Pipe	Washington St. & MacArthur Hwy (Cedar St)	before 2007	N/A	permanent						X			67
016-02FP	Upstream of Cedar St. Regulator	May St. & MacArthur Hwy (Cedar St.)	6/15/2015	N/A	permanent	X	X		X					88
016-03FP	Upstream of Water St. Regulator	Pecan St. & SW Washington St.	6/15/2015	N/A	permanent	X	X		X					48" X 35.25"
016-04LT	Cedar St. Regulator	Washington St. & MacArthur Hwy (Cedar St.)	6/15/2015	1/14/2016	removed					X	X			67
016-04FT	Downstream of Cedar St. Regulator in Outfall Pipe	Washington St. & MacArthur Hwy (Cedar St.)	6/15/2015	1/14/2016	removed					X	X			67
016-06FT	Mostly Separate Trunk Sewer	Windom & Sheridan	6/15/2015	1/15/2016	removed	X								46
016-07FT	Mostly Separate Trunk Sewer	Bourland & Windom	6/15/2015	1/15/2016	removed	X								55.75
016-08FT	Mostly Separate Trunk Sewer	Sheridan dead end South of MLK	6/15/2015	12/14/2015	Removed	X								34" X 25.13"
016-09FT**	016 Sewershed Combined Trunk Sewer Downstream of Overflow Diversion to 019 Sewershed - All Base Flow Goes To 016 Sewershed	Western North of Martin	6/15/2015	expected soon	removal pending data confirmation			X						42.5
014-01FT	Upstream of State St. Regulator	State St. & Water St.	6/15/2015	1/15/2016	removed	X								34.25" x 36"

Site Numbering System: AAA-BBCD

AAA = tributary outfall
BB = consecutive number tributary to one outfall
C = "F" for flow monitoring, "L" for level monitoring
D = "E" for existing monitor, "P" for new permanent monitor, "T" for new temporary monitor

Notes:

* Pipe sizes were field measured during 2015 installations
** Difficult flow monitoring location. Alternate locations were considered.
*** Status as of 12/31/2017

Meter ID	Location	Nearest Intersection	Installation Date	Removal Date	Status as of 12/30/2016	Primary Purpose(s)								Approximate Pipe Size, inches *
						Infiltration & Inflow	Surface Runoff	Upstream Flow Diversion	Regulator Inflow	Regulator To Interceptor Flow	Overflow	Interceptor Flow	Pilot Project	
009-01LE	Fulton St. Regulator	Fulton St. & Washington St.	before 2007	N/A	permanent						X			n/a
009-02FP	Downstream of Fulton St. Regulator in Throttle Pipe	Liberty St. & Washington St.	6/15/2015	1/15/2016	removed	X				X				16
009-03FPA	Downstream of Fulton St. Regulator in Throttle Pipe	Liberty St. & Washington St.	4/12/2017	12/1/2017	removed***	X				X				16
009-03FPB	Upstream of Fulton St. Regulator	Fulton St. & Washington St.	4/18/2017	12/1/2017	removed***	X			X		X			15
009-03FT	Fulton St. Regulator	Fulton St. & Washington St.	6/15/2015	N/A	permanent	X			X		X			24
020-01LE	Main Regulator (Emergency Overflow)	Main & Washington	before 2007	N/A	permanent						X			n/a
008-01LE	Hamilton Regulator (Emergency Overflow)	Hamilton & Washington	before 2007	N/A	permanent						X			n/a
007-01LE	Fayette Swirl	Commercial & I-74	before 2007	N/A	permanent					X	X			n/a
007-02LE	Fayette Regulator (Emergency Overflow)	Fayette & Washington	before 2007	N/A	permanent						X			n/a
007-03FP	Upstream of Fayette Swirl Concentrator	Washington St. & I-74	6/15/2015	N/A	permanent	X	X		X					72
007-04FT	Downstream of Fayette Swirl Concentrator in Throttle Pipe	Washington St. & I-74	6/15/2015	1/15/2016	removed					X				30
007-05FT	Separate Trunk Sewer	California Ave. & Gift Ave.	6/15/2015	1/15/2016	removed	X								30
007-06FT	Mostly Separate Trunk Sewer	North about 360 feet South of Richmond	6/15/2015	1/15/2016	removed	X								60
006-01LE	Eaton Swirl	Commercial & I-74	before 2007	N/A	permanent					X	X			n/a
006-02LE	Eaton Regulator (Emergency Overflow)	Eaton & Spalding	before 2007	N/A	permanent						X			n/a
006-03FP	Upstream of Eaton Swirl Concentrator	Commercial St. & Eaton St.	6/11/2015	N/A	permanent	X	X		X					72
001-01LE	Green Regulator (Emergency Overflow)	Green & Hancock	before 2007	N/A	permanent						X			n/a
003-01LE	Outfall 003 Overflow Structure on Storage Sewer	Spring & Bond	before 2007	N/A	permanent						X			n/a
003-02FP**	Upstream of Spring St. Regulator	Spring St. & Adams St.	6/15/2015	N/A	permanent	X	X		X					58
003-03FP	Upstream of Caroline St. Regulator	Adams St. & Caroline St.	6/15/2015	N/A	permanent	X	X		X					36
003-04FT	Caroline St. Regulator	Bond St. & Caroline St.	6/15/2015	1/15/2016	removed					X				36
003-05FT	Combined Trunk Sewer Parallel To Prospect Rd. Storm Sewer	Prospect North of Republic	12/3/2015	expected soon	removal pending	X	X							24
003-06FT	Storm Sewer on Prospect Rd.	Prospect North of Hillcrest	12/12/2015	expected soon	removal pending		X							27
003-07FT	Combined Trunk Sewer Upstream of Spring/Caroline Sewershed Diversion	Glen Oak North of Caroline	6/15/2015	expected soon	removal pending			X						48
003-08FT**	Combined Trunk Sewer Downstream of Spring/Caroline Sewershed Diversion	Glen Oak about 600 feet Northeast of Spring	12/2/2015	expected soon	removal pending			X						30" x 45"

Site Numbering System: AAA-BBCD

AAA = tributary outfall
BB = consecutive number tributary to one outfall
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D = "E" for existing monitor, "P" for new permanent monitor, "T" for new temporary monitor

Notes:

* Pipe sizes were field measured during 2015 installations
** Difficult flow monitoring location. Alternate locations were considered.
*** Status as of 12/31/2017

APPENDIX D

Rainfall Events



	6/16/2015-6/18/15	6/24/2015-6/26/15	6/28/2015	7/8/2015	7/11/2015	7/16/2015	7/29/2015	8/18/2015	8/18/2015
General Description	SERIES OF SHORT, INTENSE EVENTS	SERIES OF SHORT, INTENSE EVENTS	SERIES OF SHORT, INTENSE EVENTS	MEDIUM DURATION, MEDIUM INTENSITY	SERIES OF SHORT, INTENSE EVENTS	SHORT, HIGH INTENSITY EVENT	SHORT, HIGH INTENSITY EVENT	SHORT, HIGH INTENSITY EVENT	SHORT, HIGH INTENSITY EVENT
Rainfall Depth (in)									
Airport	1.88	2.09	0.62	1.81	2.15				
Darst	0.38	0.20	0.07	-	-	1.42	0.57	0.40	0.70
Bradley	-	-	-	1.74	1.06	1.16	0.50	0.44	0.65
Glen Oak	1.74	2.15	0.51	1.73	1.32	1.17	0.77	0.40	0.59
Hardee's	1.88	2.11	0.63	1.77	1.43	1.01	1.36	0.46	0.52
Peak 5-Minute Intensity (in/hr)									
Darst	0.48	0.24	0.18	-	-	3.90	2.10	1.50	1.32
Bradley	-	-	-	0.72	2.04	2.52	1.44	2.16	3.00
Glen Oak	2.28	2.04	1.44	0.60	3.60	3.12	2.04	1.80	3.00
Hardee's	2.28	2.16	1.32	0.48	3.12	2.64	4.86	2.28	2.76
Gage Comparison									
Darst - Bradley	outside of range - Darst low, , airport volume in range	outside of range - Darst low, airport volume in range	outside of range - Darst low	no data	no data, airport is off	Peaks outside of range - 2nd (big) peak Darst 35% high, 3rd peak Bradley low, 5th Peak Darst low	Bradley peak at low end of range, Darst peak 15 minutes late	Darst peak at low end of range	Darst peaks out of range
Bradley - Glen Oak	Bradley not installed, Darst to Glen Oak outside of range - Darst low	Bradley not installed, Darst to Glen Oak outside of range - Darst low	Bradley not installed, Darst to Glen Oak outside of range - Darst low	good	Bradley at low end of range for volume and first peak, out of range for third peak	2nd (big) peak in range, smaller peaks outside of range - Glen Oak peaks generally high	volume outside of range, Bradley peak at low end of range	Glen Oak peak at low end of range	good - Glen Oak volume lower
Glen Oak - Hardee's	1st peak Glen Oak is at low end of range, 2nd peak in range, 3rd peak Glen Oak peak outside range high, 4th peaks Glen Oak on high end of range, 5th peak does not exist at Glen Oak	1st (6/24 AM) and 3rd (6/25) peaks outside range, 2nd (6/24 PM) peak within range but Glen Oak high, 4th (6/26) peaks good	good except for 3rd peak, which is small	good	good, except Hardee's missing small peak at end	good - big peaks (2nd and 5th) higher at Glen Oak	volume outside of range, Hardee's has high early peak	Glen Oak peak at low end of range	good - Hardee's volume lower

bold text

= good event for calibration

= possible good event for calibration

= variable event

Event Depth > 0.4 inches

Peak 5-minute Intensity > 0.3 inches/hour

Gage Comparison based on WaPUG (2002)

	9/8/2015	9/18/2015	11/5/2015	11/11/2016	11/16/2015	11/26/2015	12/13/2015	12/20/2015	12/23/2015	12/28/2015
General Description	TWO SHORT, INTENSE PEAKS	OVERALL LARGE, LONG EVENT, 3 RAINFALL PERIODS WITH 5 RAINFALL PEAKS	MEDIUM DURATION, LOW INTENSITY	SHORT, INTENSE EVENT	LONG, MEDIUM INTENSITY EVENT, MANY PEAKS	LONG, LOW INTENSITY EVENT	LONG, LOW INTENSITY	MEDIUM DURATION, LOW INTENSITY	SHORT, MEDIUM INTENSITY	LONG, MEDIUM INTENSITY
Rainfall Depth (in)										
Darst	0.84	2.03	0.41	0.71	2.27	1.45	1.44	0.56	0.72	2.79
Bradley	0.87	1.67	0.42	0.54	2.44	1.34	1.76	0.69	0.71	1.63
Glen Oak	0.87	1.80	0.47	0.65	2.25	0.07	1.71	0.67	0.70	2.05
Hardee's	0.79	1.68	0.46	0.74	2.39	1.58	1.65	0.68	0.62	2.28
Peak 5-Minute Intensity (in/hr)										
Darst	1.38	2.16	0.48	2.10	0.78	0.30	0.30	0.24	0.96	1.68
Bradley	2.28	1.80	0.60	2.88	1.20	0.36	0.60	0.60	1.32	1.20
Glen Oak	2.40	2.04	0.84	2.88	1.56	-	0.60	0.60	1.32	1.08
Hardee's	2.16	2.28	0.72	3.00	1.08	0.36	0.48	0.84	1.56	0.96
Gage Comparison										
Darst - Bradley	peaks outside range - Darst is low	Darst volume high, 1st Darst peak low, missing quick 2nd peak at Darst, 4th peak low at Bradley, 9/19 peak outside of range	1st peak outside of range - low at Darst, 3rd peak in range but low at Darst	volume outside range high (23%), peak is low	peaks outside range - 2nd peak Bradley high, 3rd peak Bradley low	okay - 1st Darst peak low	all but 2nd peak outside range - Darst is low	peaks outside range - Darst is low	peaks outside range - Darst low	peaks and volume outside range - Darst high
Bradley - Glen Oak	peaks just outside range - 1st peak Glen Oak low , 2nd peak Glen Oak high	4th peak low at Bradley, 9/19 peak outside range	2nd peak low at Glen Oak, 3rd peak high at Glen Oak	good (Glen Oak timing late by 2 hours)	peaks outside range - 2nd peak Bradley high, 3rd peak Bradley low, 5th peak Bradley high	event not observed at Glen Oak, Bradley to Hardee's okay - 2nd Hardee's peak high	okay - 4th and 5th peaks low at Glen Oak	good	third peak outside of range - Bradley high, 1st peak Bradley high, 4th peak Bradley low	Bradley volume low, peaks outside range - 2nd Bradley peak low, 5th Bradley peak not observed elsewhere
Glen Oak - Hardee's	1st peak Glen Oak low end of range, 2nd peak Glen Oak high end of range	9/19 peak outside range	1st peak low at Hardee's, 2nd peak high at Hardee's, 3rd peak low at Hardee's	good (Glen Oak timing late by 2 hours)	peaks outside range - 2nd peak Hardee's high, 3rd peak Hardee's low, 5th & 6th peak Hardee's high	event not observed at Glen Oak, Bradley to Hardee's okay - 2nd Hardee's peak high	missing 1st and 5th peak, remaining peaks in range - 3rd and 4th peaks low at Glen Oak	okay - Hardee's 2nd and 4th peaks are high	third peak outside of range - Glen Oak high, 1st peak Glen Oak high, 2nd peak Glen Oak low	good

bold text	= good event for calibration	Event Depth > 0.4 inches
	= possible good event for calibration	Peak 5-minute Intensity > 0.3 inches/hour
	= variable event	Gage Comparison based on WaPUG (2002)

	4/26/2017	4/29/2017	4/30/2017	5/10/2017	5/19/17 0:00	5/20/2017	5/26/2017	6/15/2017	6/17/2017
General Description	MEDIUM DURATION, LOW INTENSITY	MEDIUM DURATION, HIGH INTENSITY	MEDIUM DURATION, MEDIUM INTENSITY	SHORT DURATION, MEDIUM INTENSITY	MEDIUM DURATION, LOW INTENSITY	SHORT DURATION, LOW INENSITY	SHORT DURATION, HIGH INTENSITY	SHORT DURATION, MEDIUM INTENSITY	SHORT DURATION, MEDIUM INTENSITY
Rainfall Depth (in)									
Airport	0.62	2.89	0.45	0.48	0.48	0.46	0.82	0.53	0.21
RG019	0.63	3.04	0.39	0.51	0.50	0.45	0.61	0.58	0.46
RG018	0.69	3.15	0.43	0.48	0.53	0.46	0.57	0.64	0.62
TRG1 (Adams St Pilot)	0.61	2.97	0.29	0.44	0.46	0.46	0.50	0.59	0.93
Bradley	0.61	2.92	0.36	0.31	0.50	0.45	0.32	0.50	0.78
RG006	0.67	3.28	0.34	0.51	0.51	0.56	0.44	0.59	1.21
Glen Oak	0.70	3.12	0.33	0.37	0.49	0.54	0.39	0.53	1.22
Hardee's	0.81	3.46	0.38	-	-	-	0.43	0.43	1.31
Peak 5-Minute Intensity (in/hr)									
Airport	0.24	2.40	2.76	1.44	0.48	0.36	6.72	2.16	0.72
RG019	0.24	3.00	1.56	1.56	0.60	0.48	4.68	1.68	0.96
RG018	0.24	2.76	1.08	1.80	0.72	0.36	3.36	1.56	1.08
TRG1 (Adams St Pilot)	0.36	2.88	0.96	1.68	0.72	0.48	4.32	1.80	2.16
Bradley	0.24	3.24	1.32	0.72	0.48	0.48	1.92	2.04	1.56
RG006	0.24	3.00	1.32	2.16	0.70	0.84	4.32	1.32	2.28
Glen Oak	0.24	2.16	0.96	1.68	0.60	0.60	3.36	1.32	1.80
Hardee's	0.36	2.88	1.32	-	-	-	3.60	1.08	2.40
Gage Comparison									
Airport-RG019	Good.	Okay. 2nd peak not observed at Airport.	1st peak high at Airport.	Good.	Good.	Good.	Good.	Okay. 1st peak not present at RG019.	Volume higher at RG019. 1st peak higher at RG019.
Airport-RG018	Good.	Okay. 2nd peak not observed at Airport.	1st peak high at Airport.	Good.	Okay. 1st peak higher at RG018.	Good.	1st peak higher at Airport.	1st peak higher at Airport.	Volume higher at RG018. 1st and 2nd peak higher at RG018.
RG019-RG018	Good.	Good.	Okay. 2nd peak observed at RG018.	Good.	Okay. 2nd peak higher at RG019.	Good.	Good.	Okay. 1st peak not present at RG019.	Okay. Volume and 1st peak higher at RG018.
RG018-TRG1	Good.	Good.	Okay. 2nd peak observed at RG018.	Good.	Good.	Good.	Good.	Okay. 1st peak not present at TRG1.	Volume and 1st peak higher at TRG1.
TRG1-Bradley	Good.	Good.	Good.	1st peak higher at TRG1.	Okay. 1st peak higher at TRG1.	Good.	Volume and 1st peak higher at TRG1.	Good.	Okay. 2nd peak not present at Bradley.
Bradley-RG006	Good.	Good.	Good.	Volume and 1st peak higher at RG006.	Good.	1st peak higher at RG006.	1st peak higher at RG006.	1st peak no present at Bradley. 2nd peak higher at Bradley.	Volume and 1st peak higher at RG006.
RG006-Glen Oak	Good.	Good.	Good.	Okay. Volume higher at RG006.	Good.	Good.	Good.	Good.	Okay. 2nd peak not present at RG006.
Glen Oak-Hardee's	Good.	Good.	Good.	Hardees was not recording data.	Hardees was not recording data.	Hardees was not recording data.	Good.	Okay. 1st peak not present at Hardee's.	Good.
RG018-Bradley	Good.	Good.	Okay. 2nd peak observed at RG018.	1St peak higher at RG018.	Okay. 2nd peak higher at Bradley.	Good.	Volume and 1st peak higher at RG018.	Okay. 1st peak not present at Bradley.	Okay. Volume and 1st peak higher at Bradley.
TRG1-RG006	Good.	Good.	Good.	Good.	Good.	1st peak higher at RG006.	Good.	Okay. 1st peak not present at RG006.	Okay. Volume higher at RG006.
Data Edits	No edits	No edits	No edits	Use Glen-Oaks for Hardees.	Use Glen-Oaks for Hardees.	Use Glen-Oaks for Hardees.	No edits.	No edits.	No edits.

bold text

= good event for calibration

= possible good event for calibration

= variable event

Event Depth > 0.4 inches
Peak 5-minute Intensity > 0.3 inches/hour
Gage Comparison based on WaPUG (2002)

General Description	7/10/2017	7/10/2017	7/22/2017	7/26/2017	8/22/2017	9/18/2017	10/10/17 0:00	10/14/2017	10/14/2017	10/22/2017
	MEDIUM DURATION, MEDIUM INTENSITY	SHORT DURATION, MEDIUM-HIGH INTENSITY	MEDIUM DURATION, MEDIUM INTENSITY	SHORT DURATION, MEDIUM INTENSITY	MEDIUM DURATION, LOW INTENSITY	SHORT DURATION, HIGH INTENSITY	LONG DURATION, MEDIUM INTENSITY	SHORT DURATION, MEDIUM INTENSITY	LONG DURATION, HIGH INTENSITY	LONG DURATION, MEDIUM INTENSITY
Rainfall Volume (in)										
Airport	0.42	1.72	0.48	0.70	0.38	0.48	1.43	0.28	1.72	0.51
RG019	0.46	1.30	0.61	0.84	0.40	0.90	1.39	0.38	1.87	0.71
RG018	0.47	1.35	0.56	0.79	0.42	0.98	1.51	0.38	1.90	0.81
TRG1 (Adams St Pilot)	0.53	1.04	0.53	0.71	0.40	0.85	1.48	0.45	1.79	0.71
Bradley	0.46	0.73	0.58	0.63	0.33	0.78	1.26	0.35	1.63	0.75
RG006	0.72	0.71	0.62	0.75	0.43	1.12	1.72	0.42	1.94	0.89
Glen Oak	0.75	0.69	0.67	0.67	0.38	1.11	1.57	0.39	1.75	0.75
Hardee's	0.07	-	0.81	0.79	0.40	0.98	1.64	0.50	2.04	-
Peak 5-Minute Intensity (in/hr)										
Airport	1.44	3.84	0.84	2.28	0.36	0.48	2.04	2.16	3.48	1.20
RG019	0.96	3.48	2.16	2.64	0.36	1.56	1.08	1.44	3.24	1.08
RG018	0.96	3.36	1.80	2.64	0.36	1.80	1.08	1.80	3.48	1.20
TRG1 (Adams St Pilot)	0.96	2.52	1.68	1.92	0.36	1.68	1.56	1.80	2.16	1.68
Bradley	0.96	1.80	1.44	1.32	0.36	1.56	1.08	1.32	2.04	1.92
RG006	1.80	1.32	1.32	1.56	0.36	3.00	1.80	1.32	2.64	2.76
Glen Oak	2.40	1.08	1.80	1.44	0.36	2.28	1.44	1.68	2.52	1.56
Hardee's	-	-	3.24	1.68	0.36	3.24	1.32	1.80	2.88	-
Gage Comparison										
Airport-RG019	Good.	Okay. Volume higher at Airport.	1st peak higher at RG019.	Good.	Good.	Volume and 1st peak higher at RG019.	Okay. 2nd peak higher at airport.	Volume higher at RG019. Peak higher at airport.	Good.	Volume higher at RG019. Peak higher at Airport. No 1st and 3rd peak at airport.
Airport-RG018	Okay. 2nd peak higher at Airport.	Okay. Volume higher at Airport.	1st peak higher at RG018.	Good.	Good.	Volume and 1st peak higher at RG018.	Okay. 2nd peak higher at airport.	Volume higher at RG019.	Good.	Volume higher at RG018. Peak higher at Airport. No 1st and 3rd peak at airport.
RG019-RG018	Good.	Okay. 2nd peak higher at RG019.	Good.	Good.	Good.	Good.	Good.	Good.	Good.	Good.
RG018-TRG1	Good.	Okay. Volume higher at RG018.	Good.	Good.	Good.	Good.	Good.	Good.	Okay. 2nd peak higher at RG018.	1st peak higher at RG018.
TRG1-Bradley	Okay. 1st peak higher at TRG1.	Volume higher at TRG1.	Good.	Okay. 1st peak higher at TRG1.	Good.	Good.	Okay. 2nd peak higher at TRG1.	Okay. Volume higher at TRG1.	Okay. 3rd peak higher at RG006.	1st peak higher at RG006.
Bradley-RG006	Volume and peaks higher at RG006.	Good.	Good.	Good.	Okay, volume higher at RG006.	Volume and 1st peak higher at RG006.	Okay. Volume and 2nd peak higher at RG006.	Good.	Good.	1st peak higher at Bradley. 2nd and 3rd peak higher at RG006.
RG006-Glen Oak	Good.	Good.	Good.	Good.	Good.	Good.	Good.	Good.	Good.	All peaks higher at RG006.
Glen Oak-Hardee's	Bad data at Hardee's.	Bad data at Hardee's.	1st peak higher at Hardee's.	Good.	Good.	Good.	Good.	Okay. Volume higher at Hardee's.	Good.	No data for Hardee's
RG018-Bradley	1st peak higher at RG018. 2nd peak higher at Bradley.	Volume and peak higher at RG018.	Good.	1st peak higher at RG018.	Okay, volume higher at RG006.	Good.	Good.	Good.	Okay. 2nd peak higher at RG018.	Okay. 1st peak higher at Bradley.
TRG1-RG006	Volume and peaks higher at RG006.	Volume and peak higher at RG006.	Good.	Good.	Good.	Volume and 1st peak higher at RG006.	Good.	Good.	Okay. 3rd peak higher at RG006.	All peaks higher at RG006.
Data Edits	Use Glen Oak for Hardee's	Use Glen Oak for Hardee's	No edits.	No edits.	No edits.	No edits.	No edits.	No edits.	No edits.	Use Glen Oak for Hardee's

bold text

= good event for calibration

= possible good event for calibration

= variable event

Event Depth > 0.4 inches

Peak 5-minute Intensity > 0.3 inches/hour

Gage Comparison based on WaPUG (2002)

APPENDIX E

PCSWMM Model Output Files for Peoria's Six- Month Design Storm and Typical Year

Six-Month Design Storm Model Output

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

Existing Conditions Model
Green Infrastructure Implementation Plan
City of Peoria, Illinois

WARNING 01: wet weather time step reduced to recording interval for Rain Gage
BradleyUniversity

WARNING 04: minimum elevation drop used for Conduit 007-04FT_P09B000431
WARNING 04: minimum elevation drop used for Conduit P03C011366
WARNING 04: minimum elevation drop used for Conduit P08C001640
WARNING 04: minimum elevation drop used for Conduit P09B000826F
WARNING 04: minimum elevation drop used for Conduit P09B019757
WARNING 04: minimum elevation drop used for Conduit P09C000589
WARNING 04: minimum elevation drop used for Conduit P19B002055
WARNING 04: minimum elevation drop used for Conduit R26A009357
WARNING 04: minimum elevation drop used for Conduit R26C008749
WARNING 04: minimum elevation drop used for Conduit SangerSewerCrossing
WARNING 04: minimum elevation drop used for Conduit SouthSewerCrossing
WARNING 04: minimum elevation drop used for Conduit toCedarRegE
WARNING 04: minimum elevation drop used for Conduit WalnutBoxCulvert
WARNING 02: maximum depth increased for Node P09B000491
WARNING 02: maximum depth increased for Node P18C002353
WARNING 02: maximum depth increased for Node R34A010413

*****	Volume	Volume
Rainfall Dependent I/I	acre-feet	10^6 gal
*****	-----	-----
Sewershed Rainfall	5286.442	1722.666
RDII Produced	88.314	28.779
RDII Ratio	0.017	

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

Analysis Options

Flow Units CFS
Process Models:
Rainfall/Runoff YES
RDII YES
Snowmelt NO
Groundwater NO
Flow Routing YES
Ponding Allowed NO
Water Quality NO
Infiltration Method HORTON
Flow Routing Method DYNWAVE
Surcharge Method EXTRAN

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Starting Date 12/20/1949 18:00:00
Ending Date 12/22/1949 00:00:00
Antecedent Dry Days 0.0
Report Time Step 00:05:00
Wet Time Step 00:01:00
Dry Time Step 01:00:00
Routing Time Step 5.00 sec
Variable Time Step YES
Maximum Trials 8
Number of Threads 4
Head Tolerance 0.005000 ft

	Volume acre-feet	Depth inches
*****	-----	-----
Runoff Quantity Continuity		

Total Precipitation	359.379	1.530
Evaporation Loss	2.862	0.012
Infiltration Loss	256.307	1.091
Surface Runoff	94.857	0.404
Final Storage	5.434	0.023
Continuity Error (%)	-0.023	

	Volume acre-feet	Volume 10^6 gal
*****	-----	-----
Flow Routing Continuity		

Dry Weather Inflow	35.501	11.569
Wet Weather Inflow	94.857	30.911
Groundwater Inflow	0.000	0.000
RDII Inflow	88.296	28.773
External Inflow	38.886	12.672
External Outflow	254.051	82.786
Flooding Loss	0.002	0.001
Evaporation Loss	0.000	0.000
Exfiltration Loss	0.000	0.000
Initial Stored Volume	0.000	0.000
Final Stored Volume	5.752	1.874
Continuity Error (%)	-0.879	

Highest Continuity Errors

Node P09B019196 (6.26%)
Node P09B019195 (2.25%)
Node P17D002312 (-1.65%)
Node P10A000809 (-1.44%)
Node R26C010152 (1.00%)

Time-Step Critical Elements

Link WWTP (63.55%)
Link P09B019763 (25.80%)
Link P09C000589 (5.57%)
Link EatonSewerCrossing (1.61%)

Highest Flow Instability Indexes

Link FultonHydrobrake (34)
Link P08C001674 (32)
Link P09B000550 (23)
Link P08C001758 (23)
Link F-SwirlGate (20)

Routing Time Step Summary

Minimum Time Step	:	0.14 sec
Average Time Step	:	0.51 sec
Maximum Time Step	:	4.13 sec
Percent in Steady State	:	0.00
Average Iterations per Step	:	2.87
Percent Not Converging	:	5.52
Time Step Frequencies	:	
5.000 - 3.155 sec	:	0.00 %
3.155 - 1.991 sec	:	0.01 %
1.991 - 1.256 sec	:	0.10 %
1.256 - 0.792 sec	:	1.40 %
0.792 - 0.500 sec	:	98.49 %

Subcatchment Runoff Summary

Perv	Total	Total	Total	Total	Total	Total	Imperv
Runoff	Runoff	Total	Peak	Runoff	Evap	Infil	Runoff
Subcatchment	Runoff	Runoff	Precip	Runoff	in	in	in
in	in	10^6 gal	in	Coeff	in	in	in
			CFS	in			
003-02-01-DCIA			1.53	0.00	0.03	0.00	1.47
0.00	1.47	0.40	6.72	0.962			
003-02-01-DIA			1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.34	5.74	0.966			
003-02-01-Pervious			1.53	0.66	0.00	2.19	0.00
0.00	0.00	0.00	0.00	0.000			
003-02-01-Roofs			1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.38	6.34	0.965			
003-02-02-DCIA			1.53	0.00	0.03	0.00	1.47
0.00	1.47	0.15	2.45	0.961			
003-02-02-DIA			1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.12	1.93	0.965			
003-02-02-Pervious			1.53	0.57	0.00	2.10	0.00
0.00	0.00	0.00	0.00	0.000			
003-02-02-Roofs			1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.10	1.60	0.965			
003-02-04-DCIA			1.53	0.00	0.03	0.00	1.47
0.00	1.47	0.31	5.26	0.961			
003-02-04-DIA			1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.29	4.80	0.965			
003-02-04-Pervious			1.53	0.78	0.00	2.31	0.00
0.00	0.00	0.00	0.00	0.000			

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003-02-04-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48	0.31	5.14	0.965		
003-02-05-DCIA	1.53	0.00	0.03	0.00	1.47
0.00 1.47	0.21	3.53	0.961		
003-02-05-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48	0.16	2.67	0.966		
003-02-05-Pervious	1.53	0.74	0.00	2.27	0.00
0.00 0.00	0.00	0.000			
003-02-05-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48	0.13	2.14	0.965		
003-02-07-DCIA	1.53	0.00	0.03	0.00	1.47
0.00 1.47	0.05	0.91	0.960		
003-02-07-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48	0.02	0.27	0.965		
003-02-07-Pervious	1.53	0.82	0.00	2.35	0.00
0.00 0.00	0.00	0.000			
003-02-07-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48	0.00	0.07	0.965		
003-03-03-DCIA	1.53	0.00	0.03	0.00	1.47
0.00 1.47	0.38	6.34	0.962		
003-03-03-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48	0.07	1.13	0.965		
003-03-03-Pervious	1.53	0.45	0.00	1.98	0.00
0.00 0.00	0.00	0.000			
003-03-03-PerviousSeparate	1.53	0.00	0.00	1.53	0.00
0.00 0.00	0.00	0.000			
003-03-03-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48	0.26	4.40	0.965		
003-03-06-DCIA	1.53	0.00	0.03	0.00	1.47
0.00 1.47	0.52	8.61	0.963		
003-03-06-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48	0.10	1.67	0.965		
003-03-06-Pervious	1.53	0.61	0.00	2.14	0.00
0.00 0.00	0.00	0.000			
003-03-06-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48	0.30	5.07	0.965		
003-05-01-DCIA	1.53	0.00	0.03	0.00	1.47
0.00 1.47	0.15	2.42	0.958		
003-05-01-Pervious	1.53	0.48	0.00	2.01	0.00
0.00 0.00	0.00	0.000			
003-05-01-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48	0.08	1.40	0.965		
003-06-01-DCIA	1.53	0.00	0.03	0.00	1.47
0.00 1.47	0.46	7.67	0.961		
003-06-01-Pervious	1.53	0.38	0.00	1.91	0.00
0.00 0.00	0.00	0.000			
003-06-01-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48	0.16	2.67	0.965		
003-07-02-DCIA	1.53	0.45	0.03	0.00	1.92
0.00 1.92	0.50	8.29	0.970		
003-07-02-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48	0.30	5.00	0.965		
003-07-02-Pervious	1.53	0.87	0.00	2.40	0.00
0.00 0.00	0.00	0.000			
003-07-02-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48	0.35	5.87	0.965		
003-07-02-RoofstoDCIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48	0.12	1.94	0.965		
003-07-03-DCIA	1.53	0.55	0.03	0.00	2.02
0.00 2.02	0.53	8.84	0.971		
003-07-03-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48	0.44	7.27	0.965		

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003-07-03-Pervious	1.53	0.92	0.00	2.45	0.00
0.00 0.00 0.00	0.00	0.000			
003-07-03-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.44	7.27	0.965			
003-07-03-RoofstoDCIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.14	2.40	0.965			
003-07-04-DCIA	1.53	0.40	0.03	0.00	1.87
0.00 1.87 0.21	3.48	0.969			
003-07-04-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.15	2.47	0.965			
003-07-04-Pervious	1.53	0.94	0.00	2.47	0.00
0.00 0.00 0.00	0.00	0.000			
003-07-04-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.13	2.20	0.965			
003-07-04-RoofstoDCIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.04	0.73	0.965			
003-07-05-DCIA	1.53	0.26	0.03	0.00	1.73
0.00 1.73 0.24	4.06	0.967			
003-07-05-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.14	2.33	0.965			
003-07-05-Pervious	1.53	0.73	0.00	2.26	0.00
0.00 0.00 0.00	0.00	0.000			
003-07-05-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.10	1.73	0.965			
003-07-05-RoofstoDCIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.04	0.60	0.965			
006-03-01-DCIA	1.53	0.00	0.02	0.00	1.47
0.00 1.47 0.45	7.47	0.963			
006-03-01-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.08	1.40	0.965			
006-03-01-Pervious	1.53	0.56	0.00	2.09	0.00
0.00 0.00 0.00	0.00	0.000			
006-03-01-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.20	3.34	0.965			
006-03-02-DCIA	1.53	0.00	0.03	0.00	1.47
0.00 1.47 0.26	4.34	0.963			
006-03-02-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.01	0.13	0.965			
006-03-02-Pervious	1.53	0.13	0.00	1.66	0.00
0.00 0.00 0.00	0.00	0.000			
006-03-02-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.01	0.13	0.965			
006-03-02-RoofstoSewer	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.06	0.93	0.965			
006-03-03-DCIA	1.53	0.00	0.03	0.00	1.47
0.00 1.47 0.50	8.27	0.963			
006-03-03-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.01	0.13	0.967			
006-03-03-Pervious	1.53	0.39	0.00	1.92	0.00
0.00 0.00 0.00	0.00	0.000			
006-03-03-Roofs	1.53	0.00	0.02	0.00	1.47
0.00 1.47 0.13	2.20	0.963			
006-03-03-RoofstoSewer	1.53	0.00	0.02	0.00	1.47
0.00 1.47 0.31	5.20	0.963			
006-03-05-DCIA	1.53	0.00	0.02	0.00	1.47
0.00 1.47 0.18	3.07	0.963			
006-03-05-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.01	0.20	0.965			
006-03-05-Pervious	1.53	0.91	0.00	2.44	0.00
0.00 0.00 0.00	0.00	0.000			
006-03-05-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.07	1.20	0.965			

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006-03-06-DCIA		1.53	0.00	0.03	0.00	1.47
0.00	1.47	0.10	1.67	0.963		
006-03-06-DIA		1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.01	0.13	0.965		
006-03-06-Pervious		1.53	0.74	0.00	2.27	0.00
0.00	0.00	0.00	0.00	0.000		
006-03-06-Roofs		1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.02	0.40	0.965		
006-03-07-DCIA		1.53	0.00	0.03	0.00	1.47
0.00	1.47	0.26	4.27	0.963		
006-03-07-DIA		1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.02	0.33	0.965		
006-03-07-Pervious		1.53	0.81	0.00	2.34	0.00
0.00	0.00	0.00	0.00	0.000		
006-03-07-Roofs		1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.07	1.13	0.965		
006-03-07-RoofstoSewer		1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.02	0.40	0.965		
006-03-10-DCIA		1.53	0.00	0.02	0.00	1.47
0.00	1.47	0.11	1.80	0.964		
006-03-10-Pervious		1.53	0.00	0.00	1.53	0.00
0.00	0.00	0.00	0.00	0.000		
006-03-10-RoofstoSewer		1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.09	1.47	0.964		
006-03-11-DCIA		1.53	0.20	0.03	0.00	1.68
0.00	1.68	0.46	7.74	0.967		
006-03-11-DIA		1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.06	0.93	0.965		
006-03-11-Pervious		1.53	0.70	0.00	2.23	0.00
0.00	0.00	0.00	0.00	0.000		
006-03-11-Roofs		1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.17	2.87	0.965		
006-03-11-RoofstoDCIA		1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.06	0.93	0.965		
006-03-12-DCIA		1.53	0.16	0.03	0.00	1.64
0.00	1.64	0.68	11.41	0.967		
006-03-12-DIA		1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.09	1.47	0.965		
006-03-12-Pervious		1.53	0.56	0.00	2.09	0.00
0.00	0.00	0.00	0.00	0.000		
006-03-12-Roofs		1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.21	3.47	0.965		
006-03-12-RoofstoDCIA		1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.07	1.13	0.965		
007-03-01-DCIA		1.53	0.00	0.02	0.00	1.47
0.00	1.47	0.08	1.33	0.963		
007-03-01-DIA		1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.06	0.93	0.965		
007-03-01-Pervious		1.53	1.00	0.00	2.53	0.00
0.00	0.00	0.00	0.00	0.000		
007-03-01-Roofs		1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.07	1.13	0.965		
007-03-02-DCIA		1.53	0.00	0.03	0.00	1.47
0.00	1.47	0.22	3.60	0.963		
007-03-02-DIA		1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.12	1.94	0.965		
007-03-02-Pervious		1.53	0.96	0.00	2.49	0.00
0.00	0.00	0.00	0.00	0.000		
007-03-02-Roofs		1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.12	1.94	0.965		
007-03-03-DCIA		1.53	0.00	0.02	0.00	1.47
0.00	1.47	0.03	0.53	0.963		

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007-03-03-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.02	0.27	0.965			
007-03-03-Pervious	1.53	0.66	0.00	2.19	0.00
0.00 0.00 0.00	0.00	0.000			
007-03-03-RoofstoSewer	1.53	0.00	0.02	0.00	1.47
0.00 1.47 0.12	2.00	0.964			
007-03-04-DCIA	1.53	0.00	0.02	0.00	1.47
0.00 1.47 0.03	0.47	0.963			
007-03-04-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.02	0.27	0.965			
007-03-04-Pervious	1.53	0.84	0.00	2.37	0.00
0.00 0.00 0.00	0.00	0.000			
007-03-04-RoofstoSewer	1.53	0.00	0.02	0.00	1.47
0.00 1.47 0.07	1.20	0.964			
007-03-05-DCIA	1.53	0.00	0.03	0.00	1.47
0.00 1.47 0.37	6.14	0.962			
007-03-05-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.12	2.00	0.965			
007-03-05-Pervious	1.53	0.82	0.00	2.35	0.00
0.00 0.00 0.00	0.00	0.000			
007-03-05-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.08	1.27	0.965			
007-03-05-RoofstoSewer	1.53	0.00	0.02	0.00	1.47
0.00 1.47 0.08	1.27	0.964			
007-03-06-DCIA	1.53	0.00	0.03	0.00	1.46
0.00 1.46 0.06	0.93	0.956			
007-03-06-DIA	1.53	0.00	0.02	0.00	1.47
0.00 1.47 0.02	0.40	0.964			
007-03-06-Pervious	1.53	0.52	0.00	2.05	0.00
0.00 0.00 0.00	0.00	0.000			
007-03-06-RoofstoSewer	1.53	0.00	0.02	0.00	1.47
0.00 1.47 0.04	0.67	0.964			
007-03-07-DCIA	1.53	0.00	0.03	0.00	1.47
0.00 1.47 0.25	4.14	0.961			
007-03-07-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.04	0.73	0.965			
007-03-07-Pervious	1.53	0.49	0.00	2.02	0.00
0.00 0.00 0.00	0.00	0.000			
007-03-07-RoofstoSewer	1.53	0.00	0.02	0.00	1.47
0.00 1.47 0.01	0.13	0.964			
007-03-08-DCIA	1.53	0.07	0.03	0.00	1.54
0.00 1.54 0.17	2.87	0.963			
007-03-08-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.03	0.47	0.965			
007-03-08-Pervious	1.53	0.86	0.00	2.39	0.00
0.00 0.00 0.00	0.00	0.000			
007-03-08-RoofstoDCIA	1.53	0.00	0.02	0.00	1.47
0.00 1.47 0.01	0.13	0.964			
007-03-09-DCIA	1.53	0.00	0.03	0.00	1.47
0.00 1.47 0.24	4.07	0.962			
007-03-09-DCIA-OVERLANDtoSTORMSEWER	1.53	0.00	0.00	0.02	0.00
1.47 0.00 1.47	0.08	1.33	0.963		
007-03-09-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.08	1.40	0.965			
007-03-09-Pervious	1.53	0.80	0.00	2.33	0.00
0.00 0.00 0.00	0.00	0.000			
007-03-09-RoofstoSewer	1.53	0.00	0.02	0.00	1.47
0.00 1.47 0.12	2.00	0.964			
007-03-10-DCIA	1.53	0.00	0.03	0.00	1.47
0.00 1.47 0.19	3.13	0.961			
007-03-10-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.04	0.67	0.965			

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007-03-10-Pervious	1.53	2.83	0.00	4.36	0.00
0.00 0.00 0.00	0.00	0.000			
007-03-10-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.05	0.87	0.965			
007-03-10-RoofstoSewer	1.53	0.00	0.02	0.00	1.47
0.00 1.47 0.05	0.87	0.964			
007-03-11-DCIA	1.53	0.00	0.03	0.00	1.47
0.00 1.47 0.37	6.19	0.960			
007-03-11-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.06	0.93	0.965			
007-03-11-Pervious	1.53	1.15	0.00	2.68	0.00
0.00 0.00 0.00	0.00	0.000			
007-03-11-RoofstoSewer	1.53	0.00	0.02	0.00	1.47
0.00 1.47 0.10	1.60	0.964			
007-03-12-DCIA	1.53	0.00	0.03	0.00	1.47
0.00 1.47 0.20	3.40	0.962			
007-03-12-DCIA-OVERLANDtoSTORMSEWER	1.53	0.00	0.02	0.00	0.00
1.47 0.00 1.47	0.07	1.13	0.964		
007-03-12-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.07	1.20	0.965			
007-03-12-Pervious	1.53	1.90	0.00	3.43	0.00
0.00 0.00 0.00	0.00	0.000			
007-03-12-RoofstoSewer	1.53	0.00	0.02	0.00	1.47
0.00 1.47 0.37	6.21	0.964			
007-03-13-DCIA	1.53	0.00	0.03	0.00	1.47
0.00 1.47 0.19	3.14	0.962			
007-03-13-DCIA-OVERLANDtoSTORMSEWER	1.53	0.00	0.02	0.00	0.00
1.47 0.00 1.47	0.06	1.07	0.963		
007-03-13-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.06	0.93	0.965			
007-03-13-Pervious	1.53	1.09	0.00	2.62	0.00
0.00 0.00 0.00	0.00	0.000			
007-03-13-RoofstoSewer	1.53	0.00	0.02	0.00	1.47
0.00 1.47 0.20	3.27	0.964			
007-06-01-DCIA	1.53	0.00	0.03	0.00	1.47
0.00 1.47 0.08	1.40	0.961			
007-06-01-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.01	0.13	0.965			
007-06-01-Pervious	1.53	1.36	0.00	2.89	0.00
0.00 0.00 0.00	0.00	0.000			
007-06-01-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.04	0.67	0.965			
007-06-02-DCIA	1.53	0.00	0.03	0.00	1.47
0.00 1.47 0.04	0.60	0.962			
007-06-02-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.01	0.13	0.965			
007-06-02-Pervious	1.53	0.46	0.00	1.99	0.00
0.00 0.00 0.00	0.00	0.000			
007-06-02-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.01	0.20	0.965			
007-06-03-DCIA	1.53	0.00	0.03	0.00	1.47
0.00 1.47 0.01	0.13	0.962			
007-06-03-Pervious	1.53	0.30	0.00	1.83	0.00
0.00 0.00 0.00	0.00	0.000			
007-06-03-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.00	0.07	0.965			
007-06-04-DCIA	1.53	0.00	0.03	0.00	1.47
0.00 1.47 0.03	0.53	0.962			
007-06-04-Pervious	1.53	0.42	0.00	1.95	0.00
0.00 0.00 0.00	0.00	0.000			
007-06-04-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.01	0.13	0.965			

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007-06-05-DCIA	1.53	0.00	0.03	0.00	1.47
0.00 1.47	0.11	1.87	0.962		
007-06-05-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48	0.02	0.40	0.965		
007-06-05-Pervious	1.53	0.65	0.00	2.18	0.00
0.00 0.00	0.00	0.00	0.000		
007-06-05-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48	0.05	0.80	0.965		
007-06-06-DCIA	1.53	0.00	0.03	0.00	1.47
0.00 1.47	0.10	1.73	0.962		
007-06-06-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48	0.01	0.20	0.965		
007-06-06-Pervious	1.53	0.60	0.00	2.13	0.00
0.00 0.00	0.00	0.00	0.000		
007-06-06-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48	0.07	1.20	0.965		
007-06-07-DCIA	1.53	0.00	0.03	0.00	1.47
0.00 1.47	0.09	1.53	0.961		
007-06-07-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48	0.01	0.13	0.965		
007-06-07-Pervious	1.53	0.76	0.00	2.29	0.00
0.00 0.00	0.00	0.00	0.000		
007-06-07-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48	0.06	0.93	0.965		
007-06-08-DCIA	1.53	0.00	0.03	0.00	1.47
0.00 1.47	0.34	5.60	0.962		
007-06-08-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48	0.03	0.53	0.965		
007-06-08-Pervious	1.53	0.62	0.00	2.15	0.00
0.00 0.00	0.00	0.00	0.000		
007-06-08-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48	0.17	2.80	0.965		
007-06-09-DCIA	1.53	0.00	0.03	0.00	1.47
0.00 1.47	0.17	2.87	0.962		
007-06-09-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48	0.04	0.60	0.965		
007-06-09-Pervious	1.53	0.76	0.00	2.29	0.00
0.00 0.00	0.00	0.00	0.000		
007-06-09-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48	0.13	2.20	0.965		
007-06-10-DCIA	1.53	0.00	0.03	0.00	1.47
0.00 1.47	0.19	3.20	0.962		
007-06-10-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48	0.04	0.73	0.965		
007-06-10-Pervious	1.53	0.73	0.00	2.26	0.00
0.00 0.00	0.00	0.00	0.000		
007-06-10-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48	0.14	2.40	0.965		
016-02-01-DCIA	1.53	0.00	0.02	0.00	1.34
0.00 1.34	0.25	4.60	0.873		
016-02-01-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48	0.09	1.47	0.965		
016-02-01-Pervious	1.53	0.61	0.00	2.14	0.00
0.00 0.00	0.00	0.00	0.000		
016-02-01-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48	0.18	2.94	0.965		
016-02-02-DCIA	1.53	0.00	0.02	0.00	1.33
0.00 1.33	0.49	8.94	0.872		
016-02-02-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48	0.11	1.87	0.965		
016-02-02-Pervious	1.53	0.67	0.00	2.20	0.00
0.00 0.00	0.00	0.00	0.000		

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016-02-02-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48	0.30	4.94	0.965		
016-02-03-DCIA	1.53	0.00	0.02	0.00	1.34
0.00 1.34	0.04	0.80	0.873		
016-02-03-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48	0.02	0.33	0.965		
016-02-03-Pervious	1.53	0.21	0.00	1.74	0.00
0.00 0.00	0.00	0.000			
016-02-03-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48	0.04	0.73	0.965		
016-02-04-DCIA	1.53	0.00	0.02	0.00	1.34
0.00 1.34	0.22	4.00	0.873		
016-02-04-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48	0.08	1.33	0.965		
016-02-04-Pervious	1.53	0.41	0.00	1.94	0.00
0.00 0.00	0.00	0.000			
016-02-04-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48	0.13	2.14	0.965		
016-02-05-DCIA	1.53	0.00	0.02	0.00	1.34
0.00 1.34	0.44	8.07	0.873		
016-02-05-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48	0.13	2.20	0.965		
016-02-05-Pervious	1.53	0.59	0.00	2.12	0.00
0.00 0.00	0.00	0.000			
016-02-05-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48	0.23	3.80	0.965		
016-02-06-DCIA	1.53	0.00	0.02	0.00	1.33
0.00 1.33	0.33	6.07	0.872		
016-02-06-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48	0.09	1.47	0.965		
016-02-06-Pervious	1.53	0.35	0.00	1.88	0.00
0.00 0.00	0.00	0.000			
016-02-06-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48	0.13	2.14	0.965		
016-02-07-DCIA	1.53	0.00	0.02	0.00	1.33
0.00 1.33	0.49	9.08	0.872		
016-02-07-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48	0.08	1.33	0.965		
016-02-07-Pervious	1.53	1.08	0.00	2.61	0.00
0.00 0.00	0.00	0.000			
016-02-07-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48	0.22	3.74	0.965		
016-02-08-DCIA	1.53	0.00	0.02	0.00	1.34
0.00 1.34	0.22	4.00	0.873		
016-02-08-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48	0.06	0.93	0.965		
016-02-08-Pervious	1.53	0.53	0.00	2.06	0.00
0.00 0.00	0.00	0.000			
016-02-08-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48	0.13	2.14	0.965		
016-02-09-DCIA	1.53	0.00	0.02	0.00	1.34
0.00 1.34	0.27	5.00	0.873		
016-02-09-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48	0.11	1.87	0.965		
016-02-09-Pervious	1.53	0.50	0.00	2.03	0.00
0.00 0.00	0.00	0.000			
016-02-09-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48	0.23	3.87	0.965		
016-02-10-DCIA	1.53	0.00	0.02	0.00	1.34
0.00 1.34	0.32	5.94	0.873		
016-02-10-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48	0.12	2.07	0.965		

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016-02-10-Pervious	1.53	0.39	0.00	1.92	0.00
0.00 0.00 0.00	0.00	0.000			
016-02-10-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.24	4.00	0.965			
016-02-11-DCIA	1.53	0.00	0.02	0.00	1.34
0.00 1.34 0.17	3.07	0.873			
016-02-11-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.05	0.80	0.965			
016-02-11-Pervious	1.53	0.51	0.00	2.04	0.00
0.00 0.00 0.00	0.00	0.000			
016-02-11-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.10	1.67	0.965			
016-02-12-DCIA	1.53	0.49	0.02	0.00	1.83
0.00 1.83 0.03	0.53	0.904			
016-02-12-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.01	0.13	0.966			
016-02-12-Pervious	1.53	0.22	0.00	1.75	0.00
0.00 0.00 0.00	0.00	0.000			
016-02-12-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.01	0.13	0.965			
016-02-12-RoofstoDCIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.01	0.13	0.966			
016-02-13-DCIA	1.53	0.00	0.02	0.00	1.34
0.00 1.34 0.25	4.54	0.873			
016-02-13-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.10	1.67	0.965			
016-02-13-Pervious	1.53	0.64	0.00	2.17	0.00
0.00 0.00 0.00	0.00	0.000			
016-02-13-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.21	3.47	0.965			
016-02-14-DCIA	1.53	0.00	0.02	0.00	1.33
0.00 1.33 0.39	7.14	0.872			
016-02-14-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.05	0.80	0.965			
016-02-14-Pervious	1.53	1.41	0.00	2.94	0.00
0.00 0.00 0.00	0.00	0.000			
016-02-14-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.28	4.60	0.965			
016-02-15-DCIA	1.53	0.00	0.02	0.00	1.34
0.00 1.34 0.20	3.74	0.873			
016-02-15-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.06	1.00	0.965			
016-02-15-Pervious	1.53	0.40	0.00	1.93	0.00
0.00 0.00 0.00	0.00	0.000			
016-02-15-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.12	1.94	0.965			
016-02-16-DCIA	1.53	0.00	0.02	0.00	1.33
0.00 1.33 0.12	2.27	0.872			
016-02-16-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.02	0.33	0.965			
016-02-16-Pervious	1.53	0.37	0.00	1.90	0.00
0.00 0.00 0.00	0.00	0.000			
016-02-16-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.03	0.53	0.965			
016-02-16-RoofstoSewer	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.01	0.13	0.965			
016-02-17-DCIA	1.53	0.48	0.02	0.00	1.81
0.00 1.81 0.17	3.00	0.903			
016-02-17-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.05	0.87	0.965			
016-02-17-Pervious	1.53	3.20	0.00	4.73	0.00
0.00 0.00 0.00	0.00	0.000			

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016-02-17-RoofstoDCIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.04 0.73 0.965					
016-02-17-RoofstoSewer	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.04 0.73 0.965					
016-03-01-DCIA	1.53	0.50	0.03	0.00	1.65
0.00 1.65 0.55 11.00 0.810					
016-03-01-DCIA-OVERLANDtoRIVER	1.53	0.50	0.02	0.00	0.00
1.65 0.00 1.65 0.18 3.67 0.811					
016-03-01-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.13 2.14 0.965					
016-03-01-Pervious	1.53	0.80	0.00	2.33	0.00
0.00 0.00 0.00 0.00 0.000					
016-03-01-RoofstoDCIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.17 2.80 0.965					
016-03-01-RoofstoDCIA-OVERLAND	1.53	0.00	0.02	0.00	0.00
1.48 0.00 1.48 0.06 0.93 0.964					
016-03-01-RoofstoSewer	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.23 3.80 0.965					
016-04-01-DCIA	1.53	0.16	0.02	0.00	1.64
0.00 1.64 0.33 5.47 0.968					
016-04-01-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.04 0.67 0.965					
016-04-01-Pervious	1.53	0.70	0.00	2.23	0.00
0.00 0.00 0.00 0.00 0.000					
016-04-01-RoofstoDCIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.03 0.53 0.965					
016-04-01-RoofstoSewer	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.10 1.67 0.965					
016-06-01-DCIA	1.53	0.00	0.03	0.00	1.47
0.00 1.47 0.08 1.33 0.962					
016-06-01-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.01 0.20 0.966					
016-06-01-Pervious	1.53	0.66	0.00	2.19	0.00
0.00 0.00 0.00 0.00 0.000					
016-06-01-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.04 0.67 0.965					
016-06-02-DCIA	1.53	0.00	0.03	0.00	1.47
0.00 1.47 0.10 1.60 0.962					
016-06-02-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.01 0.20 0.966					
016-06-02-Pervious	1.53	0.69	0.00	2.22	0.00
0.00 0.00 0.00 0.00 0.000					
016-06-02-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.07 1.13 0.965					
016-07-01-DCIA	1.53	0.00	0.03	0.00	1.47
0.00 1.47 0.22 3.74 0.963					
016-07-01-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.02 0.40 0.966					
016-07-01-Pervious	1.53	0.49	0.00	2.02	0.00
0.00 0.00 0.00 0.00 0.000					
016-07-01-PerviousSeparate	1.53	0.00	0.00	1.53	0.00
0.00 0.00 0.00 0.00 0.000					
016-07-01-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.03 0.47 0.965					
016-07-01-RoofstoSewer	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.08 1.33 0.965					
016-08-01-DCIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.12 2.00 0.964					
016-08-01-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.01 0.13 0.965					
016-08-01-Pervious	1.53	1.02	0.00	2.55	0.00
0.00 0.00 0.00 0.00 0.000					

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016-08-01-Pervious to Sewer	1.53	0.00	0.00	1.53	0.00
0.00 0.00 0.00	0.00	0.000			
016-08-01-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.03	0.47	0.965			
016-09-01-DCIA	1.53	0.00	0.03	0.00	1.47
0.00 1.47 0.06	1.07	0.961			
016-09-01-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.03	0.47	0.965			
016-09-01-Pervious	1.53	0.34	0.00	1.87	0.00
0.00 0.00 0.00	0.00	0.000			
016-09-01-Roof to Sewer	1.53	0.00	0.02	0.00	1.47
0.00 1.47 0.12	1.94	0.964			
016-09-02-DCIA	1.53	0.00	0.03	0.00	1.47
0.00 1.47 0.14	2.27	0.962			
016-09-02-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.10	1.60	0.965			
016-09-02-Pervious	1.53	1.18	0.00	2.71	0.00
0.00 0.00 0.00	0.00	0.000			
016-09-02-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.08	1.27	0.965			
016-09-02-Roof to Sewer	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.08	1.27	0.964			
016-09-03-DCIA	1.53	0.00	0.03	0.00	1.47
0.00 1.47 0.44	7.41	0.963			
016-09-03-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.36	6.01	0.965			
016-09-03-Pervious	1.53	1.09	0.00	2.62	0.00
0.00 0.00 0.00	0.00	0.000			
016-09-03-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.50	8.27	0.965			
016-09-04-DCIA	1.53	0.00	0.03	0.00	1.47
0.00 1.47 0.11	1.80	0.963			
016-09-04-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.06	0.93	0.965			
016-09-04-Pervious	1.53	0.15	0.00	1.68	0.00
0.00 0.00 0.00	0.00	0.000			
016-09-04-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.01	0.13	0.965			
017-02-01-DCIA	1.53	0.06	0.03	0.00	1.53
0.00 1.53 0.03	0.53	0.963			
017-02-01-Pervious	1.53	4.42	0.00	5.52	0.00
0.43 0.43 0.00	0.07	0.073			
017-02-01-Roofs	1.53	0.00	0.02	0.00	1.47
0.00 1.47 0.01	0.20	0.964			
017-02-02-DCIA	1.53	0.00	0.03	0.00	1.47
0.00 1.47 0.10	1.60	0.963			
017-02-02-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.06	1.07	0.965			
017-02-02-Pervious	1.53	0.46	0.00	1.99	0.00
0.00 0.00 0.00	0.00	0.000			
017-02-02-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.05	0.80	0.965			
017-02-03-DCIA	1.53	0.31	0.03	0.00	1.78
0.00 1.78 0.09	1.53	0.968			
017-02-03-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.02	0.27	0.965			
017-02-03-Pervious	1.53	0.84	0.00	2.37	0.00
0.00 0.00 0.00	0.00	0.000			
017-02-03-Roof to DCIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.02	0.27	0.965			
017-02-03-Roof to Sewer	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.02	0.27	0.965			

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017-02-04-DCIA	1.53	0.23	0.03	0.00	1.70
0.00 1.70 0.50	8.34	0.967			
017-02-04-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.14	2.40	0.965			
017-02-04-Pervious	1.53	1.16	0.00	2.69	0.00
0.00 0.00 0.00	0.00	0.000			
017-02-04-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.09	1.53	0.965			
017-02-04-RoofstoDCIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.07	1.13	0.965			
017-02-04-RoofstoSewer	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.07	1.13	0.965			
017-02-05-DCIA	1.53	0.81	0.03	0.00	2.28
0.00 2.28 0.32	5.27	0.975			
017-02-05-DCIA-OVERLANDtoRIVER	1.53		0.00	0.02	0.00
1.47 0.00 1.47	0.04	0.60	0.964		
017-02-05-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.03	0.47	0.966			
017-02-05-Pervious	1.53	0.29	0.00	1.82	0.00
0.00 0.00 0.00	0.00	0.000			
017-02-05-RoofstoDCIA	1.53	0.00	0.02	0.00	1.47
0.00 1.47 0.11	1.87	0.964			
017-02-06-DCIA	1.53	0.00	0.03	0.00	1.47
0.00 1.47 0.47	7.87	0.962			
017-02-06-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.27	4.47	0.965			
017-02-06-Pervious	1.53	0.96	0.00	2.49	0.00
0.00 0.00 0.00	0.00	0.000			
017-02-06-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.30	5.00	0.965			
017-02-07-DCIA	1.53	0.60	0.03	0.00	2.07
0.00 2.07 0.24	3.94	0.972			
017-02-07-DCIA-OVERLANDtoRIVER	1.53		0.00	0.02	0.00
1.47 0.00 1.47	0.03	0.47	0.964		
017-02-07-Pervious	1.53	0.00	0.00	1.53	0.00
0.00 0.00 0.00	0.00	0.000			
017-02-07-RoofstoDCIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.07	1.13	0.965			
017-02-08-DCIA	1.53	0.22	0.03	0.00	1.70
0.00 1.70 0.21	3.54	0.966			
017-02-08-DCIA-OVERLANDtoRIVER	1.53		0.00	0.02	0.00
1.47 0.00 1.47	0.05	0.80	0.963		
017-02-08-Pervious	1.53	0.09	0.00	1.62	0.00
0.00 0.00 0.00	0.00	0.000			
017-02-08-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.01	0.13	0.965			
017-02-08-RoofstoDCIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.03	0.47	0.965			
018-04-01-DCIA	1.53	0.00	0.03	0.00	1.47
0.00 1.47 0.10	1.60	0.961			
018-04-01-DCIA-OVERLANDtoRIVER	1.53		0.00	0.02	0.00
1.47 0.00 1.47	0.02	0.27	0.964		
018-04-01-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.01	0.20	0.965			
018-04-01-Pervious	1.53	0.79	0.00	2.32	0.00
0.00 0.00 0.00	0.00	0.000			
018-04-01-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.05	0.80	0.965			
018-04-02-DCIA	1.53	0.00	0.03	0.00	1.47
0.00 1.47 0.53	8.92	0.960			
018-04-02-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.22	3.74	0.965			

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018-04-02-Pervious	1.53	0.70	0.00	2.23	0.00
0.00 0.00 0.00	0.00	0.000			
018-04-02-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.40	6.61	0.965			
018-04-03A-DCIA	1.53	0.00	0.03	0.00	1.47
0.00 1.47 0.32	5.34	0.963			
018-04-03A-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.14	2.34	0.965			
018-04-03A-Pervious	1.53	0.81	0.00	2.34	0.00
0.00 0.00 0.00	0.00	0.000			
018-04-03A-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.24	4.07	0.965			
018-04-03B-DCIA	1.53	0.00	0.03	0.00	1.47
0.00 1.47 0.32	5.34	0.963			
018-04-03B-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.14	2.34	0.965			
018-04-03B-Pervious	1.53	0.81	0.00	2.34	0.00
0.00 0.00 0.00	0.00	0.000			
018-04-03B-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.24	4.07	0.965			
018-04-03C-DCIA	1.53	0.00	0.03	0.00	1.47
0.00 1.47 0.32	5.34	0.963			
018-04-03C-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.14	2.34	0.965			
018-04-03C-Pervious	1.53	0.81	0.00	2.34	0.00
0.00 0.00 0.00	0.00	0.000			
018-04-03C-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.24	4.07	0.965			
018-04-03D-DCIA	1.53	0.00	0.03	0.00	1.47
0.00 1.47 0.32	5.34	0.963			
018-04-03D-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.14	2.34	0.965			
018-04-03D-Pervious	1.53	0.81	0.00	2.34	0.00
0.00 0.00 0.00	0.00	0.000			
018-04-03D-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.24	4.07	0.965			
018-05-01-DCIA	1.53	0.00	0.03	0.00	1.47
0.00 1.47 0.23	3.87	0.963			
018-05-01-DCIA-OVERLANDtoRIVER	1.53		0.00	0.02	0.00
1.48 0.00 1.48	0.06	0.93	0.964		
018-05-01-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.05	0.80	0.965			
018-05-01-Pervious	1.53	0.57	0.00	2.10	0.00
0.00 0.00 0.00	0.00	0.000			
018-05-01-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.17	2.87	0.965			
018-05-02-DCIA	1.53	0.00	0.03	0.00	1.47
0.00 1.47 0.47	7.81	0.962			
018-05-02-DCIA-OVERLANDtoRIVER	1.53		0.00	0.02	0.00
1.47 0.00 1.47	0.12	1.94	0.964		
018-05-02-DIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.04	0.73	0.965			
018-05-02-Pervious	1.53	0.63	0.00	2.16	0.00
0.00 0.00 0.00	0.00	0.000			
018-05-02-Roofs	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.20	3.27	0.965			
018-06-01-DCIA	1.53	1.01	0.03	0.00	2.48
0.00 2.48 0.68	11.34	0.977			
018-06-01-Pervious	1.53	0.00	0.00	1.53	0.00
0.00 0.00 0.00	0.00	0.000			
018-06-01-RoofstoDCIA	1.53	0.00	0.02	0.00	1.48
0.00 1.48 0.28	4.60	0.964			

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019-01-01-DCIA			1.53	0.23	0.02	0.00	1.70
0.00	1.70	1.05	17.48	0.969			
019-01-01-DIA			1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.07	1.13	0.965			
019-01-01-Pervious			1.53	0.42	0.00	1.95	0.00
0.00	0.00	0.00	0.00	0.000			
019-01-01-Roofs			1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.14	2.34	0.965			
019-01-01-RoofstoDCIA			1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.14	2.34	0.964			
019-02-01-DCIA			1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.53	8.74	0.965			
019-02-01-DIA			1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.57	9.54	0.965			
019-02-01-Pervious			1.53	0.72	0.00	2.25	0.00
0.00	0.00	0.00	0.00	0.000			
019-02-01-Roofs			1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.65	10.81	0.965			
019-02-02-DCIA			1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.41	6.81	0.965			
019-02-02-DIA			1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.38	6.34	0.965			
019-02-02-Pervious			1.53	0.51	0.00	2.04	0.00
0.00	0.00	0.00	0.00	0.000			
019-02-02-Roofs			1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.37	6.21	0.965			
019-02-03-DCIA			1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.38	6.41	0.965			
019-02-03-DIA			1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.28	4.60	0.965			
019-02-03-Pervious			1.53	0.55	0.00	2.08	0.00
0.00	0.00	0.00	0.00	0.000			
019-02-03-Roofs			1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.32	5.27	0.965			
019-02-04-DCIA			1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.56	9.28	0.965			
019-02-04-DIA			1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.47	7.87	0.965			
019-02-04-Pervious			1.53	0.70	0.00	2.23	0.00
0.00	0.00	0.00	0.00	0.000			
019-02-04-Roofs			1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.59	9.81	0.965			
019-02-05-DCIA			1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.07	1.13	0.965			
019-02-05-DIA			1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.06	1.07	0.965			
019-02-05-Pervious			1.53	0.74	0.00	2.27	0.00
0.00	0.00	0.00	0.00	0.000			
019-02-05-Roofs			1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.08	1.27	0.965			
019-02-06-DCIA			1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.15	2.54	0.965			
019-02-06-DIA			1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.15	2.54	0.965			
019-02-06-Pervious			1.53	0.69	0.00	2.22	0.00
0.00	0.00	0.00	0.00	0.000			
019-02-06-PerviousSeparate			1.53		0.00	0.00	1.53
0.00	0.00	0.00	0.00	0.000			0.00
019-02-06-Roofs			1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.07	1.20	0.965			
019-02-07-DCIA			1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.65	10.88	0.965			

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019-02-07-DIA			1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.68	11.34	0.965			
019-02-07-Pervious			1.53	0.72	0.00	2.25	0.00
0.00	0.00	0.00	0.00	0.000			
019-02-07-PerviousSeparate			1.53	0.00	0.00	0.00	1.53
0.00	0.00	0.00	0.00	0.000			
019-02-07-Roofs			1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.66	11.01	0.965			
019-02-08-DIA			1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.06	0.93	0.965			
019-02-08-Pervious			1.53	0.15	0.00	1.68	0.00
0.00	0.00	0.00	0.00	0.000			
019-02-08-RoofstoSewer			1.53	0.00	0.02	0.00	1.47
0.00	1.47	0.11	1.80	0.964			
019-02-09-DCIA			1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.08	1.40	0.965			
019-02-09-DIA			1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.10	1.67	0.965			
019-02-09-Pervious			1.53	0.76	0.00	2.29	0.00
0.00	0.00	0.00	0.00	0.000			
019-02-09-Roofs			1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.11	1.87	0.965			
019-02-10-DCIA			1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.25	4.14	0.965			
019-02-10-DIA			1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.20	3.40	0.965			
019-02-10-Pervious			1.53	0.63	0.00	2.16	0.00
0.00	0.00	0.00	0.00	0.000			
019-02-10-Roofs			1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.26	4.34	0.965			
019-07-01-DCIA			1.53	0.00	0.03	0.00	1.47
0.00	1.47	0.04	0.73	0.961			
019-07-01-DIA			1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.01	0.13	0.965			
019-07-01-Pervious			1.53	0.40	0.00	1.93	0.00
0.00	0.00	0.00	0.00	0.000			
019-07-01-Roofs			1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.03	0.47	0.965			
019-08-01-DCIA			1.53	0.00	0.03	0.00	1.47
0.00	1.47	0.18	2.93	0.961			
019-08-01-DIA			1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.14	2.27	0.965			
019-08-01-Pervious			1.53	0.48	0.00	2.01	0.00
0.00	0.00	0.00	0.00	0.000			
019-08-01-Roofs			1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.19	3.20	0.965			
019-10-01-DCIA			1.53	0.00	0.03	0.00	1.46
0.00	1.46	0.92	14.87	0.958			
019-10-01-Pervious			1.53	0.39	0.00	1.92	0.00
0.00	0.00	0.00	0.00	0.000			
019-10-01-Roofs			1.53	0.00	0.02	0.00	1.48
0.00	1.48	0.32	5.41	0.965			

Node Depth Summary

Node	Type	Average Depth Feet	Maximum Depth Feet	Maximum HGL Feet	Time of Max Occurrence days hr:min	Reported Max Depth Feet
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000-01LE_P20A002493	JUNCTION	2.72	4.78	442.58	0	07:55	4.76
000-02LE_P16A001762	JUNCTION	4.48	7.06	448.30	0	06:59	6.97
000-03LE_P09B019209	JUNCTION	2.71	6.05	452.48	0	06:59	5.90
000-04LE_P10A019206	JUNCTION	2.79	5.38	452.68	0	06:59	5.21
000-05FT_P09C001302	JUNCTION	3.04	6.44	450.17	0	07:00	6.34
000-06FT_P03B010947	JUNCTION	1.93	6.37	459.82	0	08:33	5.10
000-07FT_R22C009535	JUNCTION	0.42	1.10	676.54	0	08:03	1.07
003-01LE_P03C011286	JUNCTION	2.64	7.87	457.97	0	07:12	7.86
003-02FP_P03D011236	JUNCTION	0.30	0.98	470.49	0	07:12	0.98
003-03FP_P03C011165	JUNCTION	0.16	0.79	467.96	0	06:33	0.78
003-05FT_R34D010664	JUNCTION	0.28	0.51	623.02	0	07:37	0.51
003-07FT_P03A010870	JUNCTION	0.45	1.41	600.64	0	07:12	1.40
006-03FP_EatonReg	JUNCTION	1.35	5.67	459.80	0	06:26	5.50
007-03FP_P09B000783	JUNCTION	1.38	6.21	459.65	0	07:11	6.20
007-04FT_P09B000789a	JUNCTION	1.08	6.12	454.86	0	06:50	6.07
009-01LE_P09B001025	JUNCTION	0.15	1.58	454.44	0	07:07	1.52
016-01LE_P16A002632Ba	JUNCTION	0.24	2.65	447.33	0	07:10	2.57
016-02FP_P08C000595	JUNCTION	0.72	2.77	475.06	0	07:12	2.76
016-03FP_P16A020804	JUNCTION	0.20	2.32	455.67	0	07:06	2.21
016-04FT_P16A001674a	JUNCTION	0.20	2.15	455.25	0	07:10	2.14
016-04LT_P16A001674	JUNCTION	1.40	5.35	455.55	0	07:11	5.34
016-06FT_P04D008125	JUNCTION	0.31	0.74	585.92	0	07:17	0.74
016-07FT_P05C008108	JUNCTION	0.28	0.83	581.15	0	07:15	0.83
017-01LE_P17B002039A	JUNCTION	0.09	1.22	452.95	0	07:12	1.21
017-04FT_P17C002116	JUNCTION	0.40	1.81	447.45	0	07:25	1.63
018-01LE_SangerReg-Sanger2	JUNCTION	0.08	0.74	454.14	0	07:13	0.74
018-04FP_P17D002127	JUNCTION	0.83	2.00	470.41	0	07:12	2.00
018-05FP_P17D002214	JUNCTION	0.21	1.22	456.06	0	07:13	1.22
018-06FP_P17D002115	JUNCTION	0.24	1.59	461.28	0	07:12	1.58
018-10FE_P17D002221	JUNCTION	0.47	1.36	448.64	0	07:15	1.36
019_SW_Connection	JUNCTION	0.16	1.75	454.93	0	07:00	1.68
019-01LE_DarstReg2	JUNCTION	0.16	1.98	455.28	0	07:00	1.92
019-03FT_P19B002463	JUNCTION	1.30	2.65	445.79	0	07:13	2.64
Bypass	JUNCTION	0.00	0.00	439.00	0	00:00	0.00
CarolineReg	JUNCTION	0.52	2.99	458.01	0	07:12	2.99
CC2	JUNCTION	5.25	5.94	440.94	0	12:28	5.91
CedarOF1	JUNCTION	0.21	2.14	454.49	0	07:10	2.11
CedarReg-Water	JUNCTION	1.33	5.75	455.40	0	07:09	5.73
CedarSewerCrossing1	JUNCTION	1.45	5.56	444.05	0	07:12	5.54
CedarSewerCrossing2	JUNCTION	1.75	5.43	443.52	0	07:12	5.41
DarstReg	JUNCTION	0.97	4.53	455.33	0	07:00	4.48
EatonSewerCrossing1	JUNCTION	0.16	1.51	446.01	0	07:08	1.48
EatonSewerCrossing2	JUNCTION	0.15	1.45	445.88	0	07:09	1.45
E-SWIRL-MH6	JUNCTION	2.61	10.00	459.40	0	07:09	9.97
E-SWIRL-MH6a	JUNCTION	1.03	5.53	454.88	0	06:45	5.47
E-SWIRL-OF	JUNCTION	0.16	2.11	448.46	0	07:13	1.87
E-SWIRL-OF2	JUNCTION	0.15	1.70	447.99	0	07:13	1.67
FayetteReg	JUNCTION	1.34	5.78	459.64	0	07:11	5.76
FayetteSewerCrossing1	JUNCTION	0.11	1.65	444.76	0	07:12	1.61
FayetteSewerCrossing2	JUNCTION	0.13	1.89	444.87	0	07:10	1.86
F-SWIRL-MH3	JUNCTION	2.25	9.63	459.53	0	07:10	9.59
F-SWIRL-MH3a	JUNCTION	0.93	6.12	455.98	0	06:49	6.09
F-SWIRL-OF	JUNCTION	0.17	2.34	448.69	0	07:12	2.33
F-SWIRL-OF2	JUNCTION	0.18	2.35	448.64	0	07:11	2.32
GreenReg	JUNCTION	0.17	1.46	462.19	0	07:12	1.46
HamiltonReg	JUNCTION	0.44	2.68	459.78	0	07:10	2.68
HarrisonReg	JUNCTION	0.08	0.08	451.30	0	00:11	0.08
Headworks	JUNCTION	6.04	6.43	440.43	0	12:19	6.43
L13B003623	JUNCTION	0.15	0.30	503.16	0	07:59	0.30
L13B003636	JUNCTION	0.18	0.33	501.83	0	08:00	0.33

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LibertyReg	JUNCTION	0.17	0.17	451.52	0	06:58	0.17
LibertySewerCrossing1	JUNCTION	3.21	6.54	450.81	0	07:00	6.52
MainReg	JUNCTION	0.34	2.23	459.99	0	07:09	2.23
P02A010849	JUNCTION	0.96	7.79	464.22	0	08:33	3.94
P02A010875	JUNCTION	1.10	6.31	461.98	0	08:33	4.24
P02A010886	JUNCTION	1.03	6.24	461.72	0	08:33	4.22
P03A010846	JUNCTION	0.52	1.63	603.23	0	07:13	1.63
P03A010885	JUNCTION	0.52	1.52	597.38	0	07:12	1.52
P03A010904	JUNCTION	0.03	0.22	588.67	0	07:31	0.22
P03A010909	JUNCTION	0.04	0.30	552.15	0	07:30	0.30
P03A010911	JUNCTION	0.40	1.19	587.95	0	07:13	1.19
P03A010917	JUNCTION	0.04	0.32	541.80	0	07:31	0.32
P03A010933	JUNCTION	0.39	1.25	570.30	0	07:13	1.25
P03A010944	JUNCTION	0.03	0.27	522.75	0	07:31	0.26
P03A010955	JUNCTION	0.30	0.99	548.97	0	07:12	0.98
P03A010957	JUNCTION	0.04	0.28	511.77	0	07:31	0.28
P03A010980	JUNCTION	0.41	1.31	531.36	0	07:12	1.30
P03A010981	JUNCTION	0.00	0.00	560.39	0	00:00	0.00
P03A010984	JUNCTION	0.00	0.00	546.86	0	00:00	0.00
P03A010990	JUNCTION	0.05	0.38	497.92	0	07:31	0.38
P03A011016	JUNCTION	0.05	0.39	494.68	0	07:32	0.39
P03A011023	JUNCTION	0.30	0.98	516.03	0	07:12	0.98
P03A011032	JUNCTION	0.09	0.74	492.48	0	07:12	0.73
P03A011069	JUNCTION	0.36	1.21	501.65	0	07:12	1.21
P03A011105	JUNCTION	0.37	1.26	495.09	0	07:13	1.25
P03B010906	JUNCTION	1.07	6.04	461.05	0	08:33	4.35
P03B010920	JUNCTION	1.01	5.45	459.92	0	08:33	4.49
P03B010943	JUNCTION	1.87	6.31	459.83	0	08:33	5.06
P03B011036	JUNCTION	1.91	5.44	458.03	0	08:33	4.80
P03B011044	JUNCTION	1.91	5.46	458.02	0	08:33	4.81
P03B011075	JUNCTION	0.09	0.70	486.07	0	07:12	0.69
P03B011076	JUNCTION	1.68	5.55	457.84	0	08:33	4.73
P03B011078	JUNCTION	1.63	5.54	457.81	0	08:33	4.69
P03B011117	JUNCTION	0.07	0.58	479.69	0	07:13	0.58
P03C011151	JUNCTION	1.74	5.02	456.64	0	08:39	4.81
P03C011166	JUNCTION	1.83	5.01	456.49	0	08:39	4.84
P03C011195	JUNCTION	2.19	5.24	456.31	0	08:39	5.14
P03C011208	JUNCTION	2.24	12.13	462.87	0	06:33	7.25
P03C011253	JUNCTION	2.09	7.65	458.35	0	09:24	6.13
P03C011258	JUNCTION	2.46	9.67	459.77	0	06:33	7.88
P03C011277	JUNCTION	2.69	5.08	455.14	0	09:00	5.08
P03C011286a	JUNCTION	0.10	1.25	450.15	0	07:12	1.24
P03D000152	JUNCTION	0.24	1.98	476.78	0	07:12	1.98
P03D000163	JUNCTION	0.15	1.28	472.57	0	07:12	1.28
P03D011153	JUNCTION	0.39	1.30	489.25	0	07:13	1.30
P03D011192	JUNCTION	0.32	1.09	483.16	0	07:13	1.08
P03D011228	JUNCTION	0.30	1.17	473.66	0	07:13	1.17
P03D011266	JUNCTION	0.03	0.26	473.86	0	07:15	0.26
P03D011290	JUNCTION	0.05	0.40	475.68	0	07:14	0.40
P03D011296	JUNCTION	2.41	4.75	454.59	0	09:00	4.75
P03D011320	JUNCTION	2.33	4.84	454.44	0	09:00	4.83
P03D011323	JUNCTION	0.06	0.46	477.70	0	07:13	0.46
P03D011328	JUNCTION	2.76	13.20	462.99	0	06:38	8.15
P03D011348	JUNCTION	0.05	0.43	479.51	0	07:12	0.43
P03D011351	JUNCTION	2.77	15.10	464.80	0	06:35	8.22
P03D011361	JUNCTION	2.26	4.67	453.85	0	09:00	4.67
P03D011367	JUNCTION	0.18	1.55	489.36	0	07:12	1.55
P03D011368	JUNCTION	2.76	46.02	495.62	0	06:35	8.30
P03D011375	JUNCTION	0.06	0.46	480.97	0	07:12	0.46
P03D011389	JUNCTION	2.85	50.10	499.50	0	06:35	8.50
P03D011401	JUNCTION	2.39	4.60	453.42	0	09:00	4.60
P03D011403	JUNCTION	0.15	1.28	481.64	0	07:12	1.28

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P03D011421	JUNCTION	2.18	4.51	453.16	0	10:11	4.49
P03D011423	JUNCTION	0.17	0.89	475.37	0	07:12	0.89
P04A007282	JUNCTION	0.62	1.64	580.09	0	07:10	1.64
P04A007472	JUNCTION	0.55	1.50	578.77	0	07:13	1.50
P04A007639	JUNCTION	0.03	0.27	600.71	0	07:12	0.27
P04A007640	JUNCTION	0.05	0.38	601.91	0	07:12	0.38
P04A007682	JUNCTION	0.50	1.20	576.24	0	07:17	1.20
P04A007769	JUNCTION	0.08	0.65	595.70	0	07:12	0.65
P04A007770	JUNCTION	0.04	0.36	595.74	0	07:12	0.36
P04A007781	JUNCTION	0.05	0.41	597.66	0	07:12	0.41
P04B011080	JUNCTION	0.00	0.00	591.58	0	00:00	0.00
P04B011089	JUNCTION	0.04	0.43	590.21	0	07:12	0.43
P04B011091	JUNCTION	0.00	0.00	584.90	0	00:00	0.00
P04B011095	JUNCTION	0.06	0.49	590.21	0	07:12	0.49
P04B011096	JUNCTION	0.07	0.59	586.57	0	07:12	0.59
P04B011099	JUNCTION	0.28	0.54	582.64	0	07:30	0.54
P04B011115	JUNCTION	0.28	0.69	576.27	0	07:12	0.68
P04B011119	JUNCTION	0.33	0.81	571.05	0	07:12	0.80
P04B011124	JUNCTION	1.20	1.63	569.14	0	07:12	1.63
P04B011139	JUNCTION	0.30	0.73	565.80	0	07:12	0.73
P04C000167	JUNCTION	0.11	0.88	507.08	0	07:12	0.88
P04C011161	JUNCTION	0.30	0.73	559.79	0	07:12	0.72
P04C011173	JUNCTION	0.29	0.69	551.73	0	07:13	0.69
P04C011176	JUNCTION	0.31	0.76	554.21	0	07:12	0.75
P04C011201	JUNCTION	0.29	0.70	547.03	0	07:13	0.69
P04C011204	JUNCTION	0.29	0.71	546.37	0	07:13	0.71
P04C011213	JUNCTION	0.36	0.85	542.93	0	07:13	0.84
P04C011224	JUNCTION	0.23	1.80	501.00	0	07:12	1.80
P04C011267	JUNCTION	0.18	1.55	499.44	0	07:12	1.55
P04C011298	JUNCTION	0.18	1.43	498.14	0	07:12	1.43
P04C011308	JUNCTION	0.50	1.52	506.49	0	07:13	1.51
P04C011321	JUNCTION	0.50	1.42	507.88	0	07:12	1.42
P04C011322	JUNCTION	0.52	1.44	507.76	0	07:12	1.44
P04C011330	JUNCTION	0.10	0.86	496.22	0	07:12	0.86
P04C011332	JUNCTION	0.48	1.40	506.92	0	07:12	1.40
P04C011338	JUNCTION	0.56	1.74	504.22	0	07:12	1.73
P04C011341	JUNCTION	0.49	1.37	510.26	0	07:12	1.37
P04C011371	JUNCTION	0.54	1.55	503.93	0	07:12	1.55
P04C011378	JUNCTION	0.50	1.55	502.74	0	07:12	1.54
P04C011404	JUNCTION	0.46	1.38	501.77	0	07:12	1.38
P04C011412	JUNCTION	0.36	1.14	499.39	0	07:13	1.13
P04C019172	JUNCTION	0.25	0.60	541.71	0	07:13	0.59
P04C019174	JUNCTION	0.27	0.76	528.62	0	07:12	0.76
P04C019175	JUNCTION	0.32	0.95	522.45	0	07:12	0.95
P04C019180	JUNCTION	0.38	1.16	515.43	0	07:12	1.16
P04C019186	JUNCTION	0.00	0.00	498.98	0	00:00	0.00
P04C019187	JUNCTION	0.00	0.00	497.73	0	00:00	0.00
P04C019189	JUNCTION	0.00	0.00	496.90	0	00:00	0.00
P04D007896	JUNCTION	0.08	0.65	594.10	0	07:12	0.65
P04D007929	JUNCTION	0.31	0.76	569.93	0	07:12	0.76
P04D007987	JUNCTION	0.06	0.44	592.36	0	07:13	0.44
P04D008030	JUNCTION	0.30	0.77	551.20	0	07:12	0.77
P04D008148	JUNCTION	0.30	0.79	533.48	0	07:12	0.79
P04D008225	JUNCTION	0.33	0.75	584.84	0	07:18	0.75
P04D008239	JUNCTION	0.48	1.35	511.87	0	07:12	1.35
P04D008278	JUNCTION	0.06	0.40	513.78	0	07:12	0.40
P04D008314	JUNCTION	0.25	0.60	583.68	0	07:19	0.60
P04D008344	JUNCTION	0.09	0.73	516.57	0	07:12	0.73
P04D008368	JUNCTION	0.24	0.56	581.87	0	07:19	0.56
P04D008404	JUNCTION	0.04	0.32	510.65	0	06:35	0.32
P04D008426	JUNCTION	0.06	1.89	509.18	0	07:12	1.80
P04D008432	JUNCTION	0.13	2.78	509.15	0	07:12	2.70

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P04D008435	JUNCTION	0.09	0.73	512.72	0	07:12	0.73
P04D008438	JUNCTION	0.11	2.61	508.91	0	07:12	2.54
P04D008449	JUNCTION	0.13	0.30	578.82	0	07:20	0.30
P04D011384	JUNCTION	0.05	0.35	511.54	0	07:12	0.35
P04D011414	JUNCTION	0.11	0.86	509.83	0	07:12	0.86
P05B007812	JUNCTION	0.31	0.73	588.78	0	07:31	0.73
P05C000168	JUNCTION	0.28	0.80	576.07	0	07:20	0.80
P05C007899	JUNCTION	0.26	0.64	587.30	0	07:31	0.64
P05C007949	JUNCTION	0.41	0.90	586.08	0	07:32	0.90
P05C007974	JUNCTION	0.27	0.67	585.68	0	07:32	0.67
P05C007977	JUNCTION	0.00	0.00	592.27	0	00:00	0.00
P05C008098	JUNCTION	0.00	0.00	587.53	0	00:00	0.00
P05C008102	JUNCTION	0.00	0.00	589.79	0	00:00	0.00
P05C008106	JUNCTION	0.53	1.36	582.05	0	07:14	1.36
P05C008109	JUNCTION	0.40	0.68	588.83	0	07:31	0.68
P05C008116	JUNCTION	0.25	0.45	588.07	0	07:32	0.45
P05C008119	JUNCTION	0.33	1.02	583.71	0	07:13	1.02
P05C008210	JUNCTION	0.30	0.88	579.33	0	07:16	0.88
P05C008219	JUNCTION	0.08	0.66	586.98	0	07:12	0.66
P05C008297	JUNCTION	0.51	1.35	578.35	0	07:17	1.35
P05C008408	JUNCTION	0.35	1.02	577.85	0	07:18	1.02
P05C008472	JUNCTION	0.00	0.00	589.83	0	00:00	0.00
P05C008511	JUNCTION	0.33	0.93	576.95	0	07:19	0.93
P05C008542	JUNCTION	0.00	0.00	588.05	0	00:00	0.00
P05D000148	JUNCTION	0.06	0.54	583.27	0	07:12	0.54
P05D008517	JUNCTION	0.00	0.00	584.59	0	00:00	0.00
P05D008519	JUNCTION	0.07	0.58	586.28	0	07:12	0.58
P05D008520	JUNCTION	0.06	0.51	584.87	0	07:12	0.51
P05D008524	JUNCTION	0.05	0.42	588.66	0	07:12	0.42
P05D020745	JUNCTION	0.08	0.65	585.57	0	07:12	0.65
P07C000585	JUNCTION	0.43	1.81	493.88	0	07:18	1.80
P07C000603	JUNCTION	0.61	1.87	493.68	0	07:18	1.87
P07C001321	JUNCTION	0.20	1.41	500.90	0	07:12	1.41
P07C001323	JUNCTION	0.15	1.07	501.86	0	07:13	1.07
P07C001326	JUNCTION	0.14	0.96	505.12	0	07:12	0.96
P07C001327	JUNCTION	0.19	1.39	500.87	0	07:12	1.38
P07C001402	JUNCTION	0.19	1.38	499.74	0	07:12	1.38
P07C001454	JUNCTION	0.17	1.22	499.01	0	07:12	1.22
P07C001479	JUNCTION	0.15	1.23	498.23	0	07:12	1.23
P07C001483	JUNCTION	0.24	1.73	497.12	0	07:14	1.73
P07C001489	JUNCTION	0.25	1.82	497.70	0	07:13	1.81
P07C001493	JUNCTION	0.25	1.82	498.21	0	07:12	1.81
P07C001499	JUNCTION	0.24	1.72	497.06	0	07:14	1.72
P07C001554	JUNCTION	0.23	1.68	496.57	0	07:14	1.68
P07C001589	JUNCTION	0.23	1.65	496.27	0	07:15	1.65
P07C001617	JUNCTION	0.22	1.61	496.00	0	07:15	1.61
P07C001626	JUNCTION	0.22	1.61	495.96	0	07:15	1.61
P07C001627	JUNCTION	0.23	1.55	494.81	0	07:16	1.55
P07C001628	JUNCTION	0.15	1.24	493.80	0	07:17	1.24
P07C020785	JUNCTION	0.15	1.07	501.66	0	07:13	1.07
P07D000579	JUNCTION	0.11	0.26	503.17	0	07:30	0.26
P07D001426	JUNCTION	0.52	0.96	562.62	0	07:59	0.96
P07D001458	JUNCTION	0.35	0.73	562.47	0	08:00	0.73
P07D001500	JUNCTION	0.41	0.81	562.00	0	08:00	0.81
P07D001518	JUNCTION	0.27	0.54	561.03	0	08:00	0.54
P07D001542	JUNCTION	0.17	0.38	560.12	0	08:00	0.38
P07D001551	JUNCTION	0.18	0.39	542.95	0	08:00	0.39
P07D001569	JUNCTION	0.17	0.41	522.20	0	07:30	0.41
P07D001572	JUNCTION	0.21	0.49	531.95	0	07:30	0.49
P07D001604	JUNCTION	0.24	0.57	508.16	0	07:30	0.57
P08A000211	JUNCTION	0.12	0.97	582.41	0	07:12	0.97
P08A000286	JUNCTION	0.12	1.00	581.89	0	07:12	1.00

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P08A000391	JUNCTION	0.14	1.12	581.07	0	07:12	1.12
P08A000447	JUNCTION	0.13	1.07	580.80	0	07:12	1.07
P08A000495	JUNCTION	0.19	0.63	577.16	0	07:02	0.63
P08A000548	JUNCTION	0.14	0.47	572.82	0	07:02	0.47
P08A000557	JUNCTION	0.07	0.65	494.59	0	06:53	0.65
P08A000560	JUNCTION	0.00	0.00	495.51	0	00:00	0.00
P08A000698	JUNCTION	0.12	0.97	580.40	0	07:12	0.97
P08A000797	JUNCTION	0.10	0.80	579.34	0	07:13	0.80
P08A000849	JUNCTION	0.32	1.02	578.53	0	07:00	1.02
P08A000895	JUNCTION	0.31	1.07	577.80	0	07:00	1.07
P08A001001	JUNCTION	1.54	2.62	577.87	0	07:01	2.62
P08B000306	JUNCTION	0.15	0.44	571.86	0	07:20	0.44
P08B000322	JUNCTION	0.37	1.07	493.08	0	07:12	1.07
P08B000372	JUNCTION	0.17	0.59	544.51	0	07:12	0.58
P08B000380	JUNCTION	0.41	1.18	492.27	0	07:12	1.17
P08B000413	JUNCTION	0.13	0.47	523.36	0	07:12	0.47
P08B000450	JUNCTION	0.39	1.13	491.63	0	07:13	1.12
P08B000453	JUNCTION	0.38	1.10	489.36	0	07:14	1.10
P08B000454	JUNCTION	0.53	1.61	487.77	0	07:13	1.61
P08B000465	JUNCTION	0.53	1.68	487.55	0	07:12	1.67
P08B000534	JUNCTION	0.53	1.83	482.58	0	07:15	1.83
P08B000547	JUNCTION	0.07	0.65	492.59	0	06:57	0.65
P08B000720	JUNCTION	0.48	1.60	487.02	0	07:12	1.58
P08B000765	JUNCTION	0.60	1.88	486.59	0	07:12	1.87
P08B000869	JUNCTION	0.52	1.65	485.72	0	07:13	1.64
P08B000870	JUNCTION	0.10	0.77	486.12	0	06:35	0.77
P08B000871	JUNCTION	0.06	0.51	487.38	0	07:01	0.51
P08B000879	JUNCTION	0.49	1.62	485.68	0	07:13	1.61
P08B000937	JUNCTION	0.07	0.61	488.10	0	07:00	0.61
P08B000938	JUNCTION	0.06	0.52	490.43	0	06:54	0.52
P08B000998	JUNCTION	0.05	0.46	492.30	0	07:10	0.46
P08B001009	JUNCTION	0.41	1.37	483.83	0	07:14	1.37
P08B001044	JUNCTION	0.70	2.19	483.37	0	07:14	2.19
P08C000584	JUNCTION	0.07	0.55	493.39	0	07:12	0.55
P08C000606	JUNCTION	0.09	0.81	493.74	0	07:12	0.81
P08C000608	JUNCTION	0.11	0.95	495.28	0	07:12	0.95
P08C000609	JUNCTION	0.12	1.02	496.15	0	07:12	1.02
P08C000634	JUNCTION	0.05	0.42	495.95	0	06:58	0.42
P08C000636	JUNCTION	0.49	1.90	473.16	0	07:12	1.90
P08C001129	JUNCTION	0.08	0.72	491.67	0	06:56	0.72
P08C001136	JUNCTION	0.58	2.01	482.15	0	07:16	2.01
P08C001181	JUNCTION	0.62	2.05	481.84	0	07:16	2.05
P08C001202	JUNCTION	0.07	0.65	490.37	0	07:04	0.65
P08C001229	JUNCTION	0.51	1.97	481.49	0	07:16	1.97
P08C001236	JUNCTION	0.07	0.63	489.95	0	06:58	0.63
P08C001262	JUNCTION	0.88	2.54	481.43	0	07:14	2.54
P08C001279	JUNCTION	0.30	1.24	486.81	0	07:09	1.24
P08C001282	JUNCTION	0.45	1.78	488.86	0	07:08	1.78
P08C001285	JUNCTION	0.86	2.52	481.41	0	07:14	2.52
P08C001290	JUNCTION	2.13	2.80	489.88	0	07:07	2.80
P08C001308	JUNCTION	0.62	2.16	480.93	0	07:14	2.16
P08C001333	JUNCTION	0.81	2.56	480.44	0	07:15	2.56
P08C001428	JUNCTION	0.67	2.30	479.52	0	07:15	2.30
P08C001433	JUNCTION	0.53	1.80	478.97	0	07:16	1.80
P08C001439	JUNCTION	0.71	2.68	477.84	0	07:13	2.67
P08C001444	JUNCTION	0.93	2.99	477.76	0	07:12	2.98
P08C001474	JUNCTION	0.82	2.86	477.55	0	07:12	2.85
P08C001513	JUNCTION	0.80	2.86	477.17	0	07:12	2.85
P08C001515	JUNCTION	0.08	0.69	489.12	0	06:41	0.69
P08C001528	JUNCTION	0.04	0.42	488.57	0	06:42	0.42
P08C001546	JUNCTION	0.71	2.80	476.56	0	07:12	2.80
P08C001568	JUNCTION	0.02	0.21	491.90	0	07:12	0.21

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P08C001585	JUNCTION	0.86	3.28	476.24	0	07:12	3.28
P08C001588	JUNCTION	0.09	0.78	492.22	0	07:12	0.78
P08C001599	JUNCTION	0.00	0.00	499.84	0	00:00	0.00
P08C001618	JUNCTION	0.94	3.20	475.72	0	07:12	3.20
P08C001624	JUNCTION	0.20	1.48	493.06	0	07:12	1.48
P08C001625	JUNCTION	0.05	0.45	498.35	0	06:48	0.45
P08D000582	JUNCTION	0.05	0.50	503.22	0	07:06	0.50
P08D000610	JUNCTION	0.12	1.01	498.03	0	07:12	1.01
P08D000612	JUNCTION	0.07	0.62	499.98	0	07:12	0.62
P08D000613	JUNCTION	0.06	0.56	501.84	0	06:30	0.56
P08D001122	JUNCTION	0.15	0.49	561.35	0	07:02	0.49
P08D001160	JUNCTION	0.14	0.44	546.05	0	07:02	0.44
P08D001253	JUNCTION	0.34	0.86	507.77	0	07:02	0.86
P08D001254	JUNCTION	0.17	0.55	507.54	0	07:02	0.55
P08D001257	JUNCTION	0.15	1.09	507.26	0	07:12	1.08
P08D001291	JUNCTION	0.73	2.36	491.58	0	07:07	2.36
P08D001292	JUNCTION	0.22	0.72	498.63	0	07:03	0.72
P08D001293	JUNCTION	0.35	1.33	494.36	0	07:05	1.33
P08D001294	JUNCTION	0.44	1.51	496.16	0	07:04	1.51
P08D001295	JUNCTION	0.34	1.14	497.51	0	07:03	1.14
P08D001318_019-10FT	JUNCTION	0.15	1.06	505.69	0	07:12	1.06
P08D001320	JUNCTION	0.03	0.24	494.65	0	07:12	0.24
P08D001366	JUNCTION	0.03	0.29	495.46	0	07:12	0.29
P08D001447	JUNCTION	0.03	0.30	508.93	0	06:23	0.30
P08D001448	JUNCTION	0.04	0.34	507.03	0	07:09	0.34
P08D001451	JUNCTION	0.03	0.25	505.44	0	07:12	0.25
P08D001453	JUNCTION	0.02	0.21	500.86	0	07:11	0.21
P08D001566	JUNCTION	0.00	0.00	503.91	0	00:00	0.00
P08D001602	JUNCTION	0.07	0.61	503.87	0	06:46	0.61
P09A000182	JUNCTION	0.29	0.93	499.10	0	07:13	0.93
P09A000186	JUNCTION	0.17	0.50	505.74	0	07:12	0.50
P09A000187	JUNCTION	0.06	0.53	502.15	0	07:13	0.53
P09A000207	JUNCTION	0.22	0.74	498.72	0	07:13	0.74
P09A000220	JUNCTION	0.37	1.03	498.37	0	07:13	1.03
P09A000255	JUNCTION	0.36	1.05	494.35	0	07:12	1.05
P09A000256	JUNCTION	0.13	0.41	495.39	0	07:14	0.41
P09A000257	JUNCTION	0.26	0.83	497.37	0	07:14	0.83
P09A000523	JUNCTION	0.02	0.02	488.22	0	00:44	0.02
P09A000541	JUNCTION	0.03	0.03	486.83	0	00:02	0.03
P09A001117	JUNCTION	0.05	0.05	490.30	0	19:00	0.05
P09B000196	JUNCTION	0.35	1.06	496.63	0	07:12	1.06
P09B000239	JUNCTION	0.05	0.40	491.92	0	07:12	0.40
P09B000301	JUNCTION	0.14	1.13	501.90	0	07:12	1.13
P09B000334	JUNCTION	0.38	1.14	487.49	0	07:13	1.14
P09B000352	JUNCTION	0.36	1.11	472.97	0	07:14	1.11
P09B000373	JUNCTION	0.33	1.02	470.34	0	07:14	1.02
P09B000411	JUNCTION	0.14	1.13	496.17	0	07:12	1.13
P09B000449	JUNCTION	0.34	1.06	478.09	0	07:12	1.06
P09B000471	JUNCTION	0.50	1.72	460.42	0	07:13	1.69
P09B000491	JUNCTION	0.00	0.00	481.50	0	00:00	0.00
P09B000504	JUNCTION	3.24	6.66	451.13	0	07:00	6.63
P09B000505A	JUNCTION	0.00	0.00	452.73	0	00:00	0.00
P09B000505B	JUNCTION	0.00	0.00	451.31	0	00:00	0.00
P09B000505C	JUNCTION	0.00	0.00	451.06	0	00:00	0.00
P09B000505D	JUNCTION	0.00	0.00	450.34	0	00:00	0.00
P09B000505E	JUNCTION	0.00	0.00	445.77	0	00:00	0.00
P09B000505F	JUNCTION	0.00	0.00	442.61	0	00:00	0.00
P09B000506	JUNCTION	0.05	0.05	472.20	0	00:04	0.05
P09B000507	JUNCTION	0.13	0.13	451.47	0	10:32	0.13
P09B000515	JUNCTION	3.18	6.56	450.91	0	07:00	6.54
P09B000573	JUNCTION	0.05	0.05	458.04	0	00:43	0.05
P09B000702	JUNCTION	1.35	6.06	460.32	0	09:59	5.77

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P09B000707A	JUNCTION	0.00	0.00	455.83	0	00:00	0.00
P09B000731	JUNCTION	0.12	0.96	489.60	0	07:12	0.96
P09B000734	JUNCTION	0.00	0.00	480.94	0	00:00	0.00
P09B000749	JUNCTION	0.01	0.34	453.64	0	06:48	0.33
P09B000749a	JUNCTION	0.07	2.14	453.94	0	06:47	2.10
P09B000752	JUNCTION	0.21	2.78	453.95	0	06:47	2.73
P09B000780A	JUNCTION	0.00	0.00	455.10	0	00:00	0.00
P09B000780B	JUNCTION	0.00	0.00	452.68	0	00:00	0.00
P09B000780C	JUNCTION	0.00	0.00	446.69	0	00:00	0.00
P09B000782	JUNCTION	0.07	0.63	473.77	0	07:12	0.63
P09B000789	JUNCTION	0.96	5.52	455.04	0	06:51	5.46
P09B000801	JUNCTION	1.27	5.00	454.00	0	06:46	4.94
P09B000804	JUNCTION	0.11	0.89	480.37	0	07:12	0.89
P09B000815A	JUNCTION	0.15	1.60	447.18	0	07:07	1.58
P09B000815B	JUNCTION	0.15	1.48	446.70	0	07:07	1.45
P09B000815D	JUNCTION	0.05	1.18	442.08	0	07:09	1.17
P09B000826B	JUNCTION	0.00	0.00	465.10	0	00:00	0.00
P09B000826C	JUNCTION	0.00	0.00	454.10	0	00:00	0.00
P09B000826D	JUNCTION	0.00	0.00	447.45	0	00:00	0.00
P09B000826E	JUNCTION	0.00	0.00	457.92	0	00:00	0.00
P09B000826G	JUNCTION	0.00	0.00	434.50	0	00:00	0.00
P09B000831	JUNCTION	0.13	1.04	477.30	0	07:12	1.04
P09B000866	JUNCTION	0.14	1.14	470.44	0	07:12	1.14
P09B000874	JUNCTION	2.48	5.78	452.51	0	06:59	5.64
P09B000898	JUNCTION	2.93	6.20	452.48	0	06:59	6.03
P09B000901	JUNCTION	0.07	0.22	474.93	0	07:00	0.22
P09B000904A	JUNCTION	0.00	0.00	461.85	0	00:00	0.00
P09B000910	JUNCTION	0.00	0.00	459.17	0	00:00	0.00
P09B000910B	JUNCTION	0.00	0.00	451.77	0	00:00	0.00
P09B000910C	JUNCTION	0.00	0.00	444.91	0	00:00	0.00
P09B000910H	JUNCTION	0.00	0.00	440.75	0	00:00	0.00
P09B000964	JUNCTION	0.00	0.00	453.09	0	00:00	0.00
P09B000983	JUNCTION	0.07	0.07	482.55	0	00:01	0.07
P09B001008	JUNCTION	0.08	0.24	459.01	0	07:13	0.24
P09B001025A	JUNCTION	0.00	0.00	453.70	0	00:00	0.00
P09B001025B	JUNCTION	0.00	0.00	449.10	0	00:00	0.00
P09B001025C	JUNCTION	0.00	0.00	442.29	0	00:00	0.00
P09B001025D	JUNCTION	0.00	0.00	439.79	0	00:00	0.00
P09B001025E	JUNCTION	0.00	0.00	437.66	0	00:00	0.00
P09B001029	JUNCTION	3.68	7.06	451.74	0	06:59	6.98
P09B001031	JUNCTION	0.13	1.93	454.45	0	07:07	1.85
P09B001039	JUNCTION	3.68	7.03	451.67	0	06:59	6.93
P09B001051	JUNCTION	0.07	0.07	467.27	0	00:03	0.07
P09B001078a	JUNCTION	0.48	5.64	454.74	0	06:58	5.24
P09B001078b	JUNCTION	0.25	3.78	452.88	0	06:58	1.74
P09B001083	JUNCTION	0.05	0.05	485.20	0	00:02	0.05
P09B001098	JUNCTION	0.08	0.08	456.80	0	00:37	0.08
P09B001118	JUNCTION	3.20	6.61	451.03	0	07:00	6.58
P09B019193	JUNCTION	0.56	3.25	459.67	0	07:09	3.25
P09B019195	JUNCTION	0.01	0.27	459.63	0	07:12	0.27
P09B019196	JUNCTION	0.29	0.82	459.66	1	05:38	0.78
P09B019197	JUNCTION	0.42	1.45	459.63	0	07:12	1.45
P09B019198	JUNCTION	0.06	0.84	460.06	0	07:13	0.78
P09B019199	JUNCTION	0.54	1.85	460.17	0	07:15	1.85
P09B019200	JUNCTION	1.94	4.87	453.13	0	06:52	4.77
P09B019202a	JUNCTION	0.96	4.26	452.53	0	06:59	4.09
P09B019203	JUNCTION	2.28	5.53	452.54	0	06:59	5.37
P09B019207	JUNCTION	2.76	6.07	452.50	0	06:59	5.93
P09B019208	JUNCTION	2.96	6.28	452.50	0	06:59	6.12
P09B019210	JUNCTION	1.95	6.01	453.33	0	06:52	5.90
P09B019212	JUNCTION	2.29	5.88	452.81	0	06:59	5.75
P09B019214	JUNCTION	0.15	1.95	448.11	0	07:12	1.94

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P09B019216	JUNCTION	0.12	1.62	447.14	0	07:12	1.62
P09B019217	JUNCTION	0.13	1.73	445.83	0	07:12	1.73
P09B019219	JUNCTION	0.00	0.28	445.83	0	07:10	0.28
P09B019222	JUNCTION	0.13	1.72	441.89	0	07:12	1.71
P09B019727	JUNCTION	1.56	6.83	454.64	0	06:50	6.74
P09B020765	JUNCTION	0.33	3.25	451.96	0	06:58	2.12
P09B020767	JUNCTION	0.38	3.33	451.81	0	06:58	2.30
P09B020768	JUNCTION	0.45	3.11	451.30	0	06:58	2.62
P09B020772	JUNCTION	3.21	6.53	450.81	0	07:00	6.50
P09B020773	JUNCTION	0.46	3.08	451.06	0	06:42	2.80
P09B020882	JUNCTION	0.00	0.00	448.71	0	00:00	0.00
P09B020883	JUNCTION	0.00	0.00	448.48	0	00:00	0.00
P09B020884	JUNCTION	0.00	0.00	448.23	0	00:00	0.00
P09B020886	JUNCTION	0.00	0.00	448.00	0	00:00	0.00
P09C001119	JUNCTION	2.89	6.34	450.60	0	07:00	6.32
P09C001146A	JUNCTION	0.00	0.00	452.52	0	00:00	0.00
P09C001146B	JUNCTION	0.00	0.00	452.48	0	00:00	0.00
P09C001146C	JUNCTION	0.00	0.00	449.44	0	00:00	0.00
P09C001146D	JUNCTION	0.00	0.00	448.75	0	00:00	0.00
P09C001154	JUNCTION	0.07	0.07	450.90	0	12:26	0.07
P09C001185	JUNCTION	2.92	6.45	450.54	0	07:00	6.36
P09C001215	JUNCTION	0.08	0.09	452.70	0	00:00	0.08
P09C001239	JUNCTION	0.11	2.27	451.44	0	06:59	1.10
P09C001241	JUNCTION	0.07	0.09	450.48	0	06:59	0.08
P09C001247	JUNCTION	2.96	6.53	450.45	0	07:00	6.31
P09C001280	JUNCTION	0.00	0.00	452.50	0	00:00	0.00
P09C001283	JUNCTION	0.03	0.03	451.09	0	07:00	0.03
P09C001305	JUNCTION	0.00	0.00	446.66	0	00:00	0.00
P09C001315	JUNCTION	2.98	6.45	450.16	0	07:00	6.32
P09C001343	JUNCTION	2.92	6.44	450.04	0	07:00	6.25
P09C001399	JUNCTION	2.92	6.40	449.91	0	07:00	6.23
P09C001461	JUNCTION	3.23	6.69	449.82	0	06:59	6.50
P09C021287	JUNCTION	0.16	4.41	452.99	0	07:00	2.39
P09D000577	JUNCTION	0.03	0.03	484.56	0	00:27	0.03
P09D000589	JUNCTION	0.17	1.49	459.55	0	07:12	1.49
P09D000620	JUNCTION	3.51	6.50	448.98	0	06:59	6.35
P09D000622	JUNCTION	0.19	1.67	456.75	0	07:12	1.67
P09D001120	JUNCTION	0.04	0.04	482.63	0	00:06	0.04
P09D001155	JUNCTION	0.02	0.02	481.39	0	00:09	0.02
P09D001193	JUNCTION	0.02	0.02	470.28	0	00:32	0.02
P09D001244	JUNCTION	0.03	0.03	459.55	0	00:33	0.03
P09D001270	JUNCTION	0.00	0.00	499.26	0	00:00	0.00
P09D001278A	JUNCTION	0.00	0.00	453.13	0	00:00	0.00
P09D001300	JUNCTION	0.13	0.61	458.00	0	07:13	0.60
P09D001316	JUNCTION	0.01	0.32	492.19	0	06:30	0.32
P09D001322	JUNCTION	0.08	0.71	492.19	0	06:35	0.71
P09D001324	JUNCTION	0.06	0.62	492.19	0	06:35	0.62
P09D001335	JUNCTION	0.11	0.97	491.66	0	06:35	0.97
P09D001372	JUNCTION	0.08	0.46	456.35	0	07:14	0.46
P09D001383	JUNCTION	0.10	0.91	491.26	0	06:36	0.91
P09D001389AA	JUNCTION	0.00	0.00	452.83	0	00:00	0.00
P09D001389B	JUNCTION	0.00	0.00	449.50	0	00:00	0.00
P09D001396	JUNCTION	0.12	0.70	449.82	0	07:01	0.59
P09D001421	JUNCTION	0.07	0.62	490.53	0	06:37	0.62
P09D001462	JUNCTION	1.10	2.01	490.26	0	06:41	2.01
P09D001466	JUNCTION	1.10	2.01	490.26	0	06:41	2.01
P09D001573	JUNCTION	0.03	0.34	464.55	0	07:09	0.34
P09D001581	JUNCTION	3.31	6.54	449.41	0	06:59	6.53
P09D001620	JUNCTION	0.13	1.19	464.55	0	07:12	1.18
P10A000251	JUNCTION	0.16	1.36	464.77	0	07:12	1.36
P10A000278A	JUNCTION	0.00	0.00	460.90	0	00:00	0.00
P10A000278B	JUNCTION	0.00	0.00	452.16	0	00:00	0.00

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P10A000278C	JUNCTION	0.00	0.00	446.54	0	00:00	0.00
P10A000278E	JUNCTION	0.00	0.00	444.49	0	00:00	0.00
P10A000342	JUNCTION	2.34	4.86	453.09	0	06:58	4.60
P10A000344	JUNCTION	0.19	1.48	461.16	0	07:12	1.48
P10A000351	JUNCTION	0.19	1.51	461.21	0	07:12	1.51
P10A000354	JUNCTION	0.24	1.53	459.64	0	06:27	1.42
P10A000356	JUNCTION	0.16	1.31	460.36	0	07:08	1.31
P10A000358	JUNCTION	0.18	1.47	460.96	0	07:12	1.47
P10A000368	JUNCTION	2.32	4.88	453.06	0	06:58	4.63
P10A000412	JUNCTION	2.34	4.92	453.02	0	06:58	4.68
P10A000452	JUNCTION	2.40	5.05	452.96	0	06:58	4.82
P10A000693	JUNCTION	0.69	11.61	467.57	0	06:26	3.85
P10A000750	JUNCTION	2.55	5.33	452.99	0	06:58	4.98
P10A000809	JUNCTION	3.04	96.48	545.14	0	06:38	9.09
P10A000843	JUNCTION	2.79	5.37	452.69	0	06:59	5.23
P10A019204	JUNCTION	2.65	5.52	452.61	0	06:59	5.34
P10A019215	JUNCTION	0.14	1.86	444.42	0	07:12	1.84
P10A019221	JUNCTION	0.14	1.81	443.38	0	07:12	1.81
P16A000688	JUNCTION	0.43	3.34	455.73	0	07:13	3.06
P16A001638	JUNCTION	3.59	6.58	448.87	0	06:59	6.29
P16A001641	JUNCTION	0.45	1.72	459.17	0	07:12	1.72
P16A001669	JUNCTION	1.63	5.95	455.49	0	07:13	5.90
P16A001675	JUNCTION	1.31	5.41	455.55	0	07:03	5.40
P16A001677	JUNCTION	1.51	5.93	455.40	0	07:09	5.90
P16A001695	JUNCTION	3.63	6.48	448.67	0	06:59	6.26
P16A001696	JUNCTION	1.60	6.41	455.26	0	07:09	6.38
P16A001733	JUNCTION	2.03	7.50	455.03	0	07:01	7.43
P16A001733a	JUNCTION	0.73	2.54	450.07	0	06:45	2.54
P16A001750	JUNCTION	3.69	6.36	448.42	0	06:58	6.22
P16A001798	JUNCTION	4.01	6.81	447.94	0	07:03	6.78
P16A001910	JUNCTION	3.95	6.68	447.56	0	07:02	6.66
P16A002632B	JUNCTION	0.22	2.30	448.30	0	07:10	2.27
P17A001783	JUNCTION	0.08	0.66	507.69	0	07:12	0.66
P17A001824	JUNCTION	0.14	1.15	506.94	0	07:12	1.15
P17A001889	JUNCTION	0.49	1.53	506.41	0	07:12	1.53
P17A001940	JUNCTION	0.08	0.65	493.81	0	07:12	0.65
P17A001956	JUNCTION	0.27	1.04	505.37	0	07:12	1.03
P17A001973	JUNCTION	0.10	0.77	491.18	0	07:12	0.77
P17A001991	JUNCTION	0.33	1.38	500.69	0	07:12	1.37
P17A001997	JUNCTION	0.09	0.72	489.91	0	07:12	0.72
P17A002037	JUNCTION	0.09	0.71	487.42	0	07:12	0.71
P17A002050	JUNCTION	0.32	1.31	497.60	0	07:13	1.30
P17B000669	JUNCTION	0.46	1.78	466.06	0	07:12	1.78
P17B000678	JUNCTION	0.03	0.28	495.34	0	07:12	0.28
P17B000680	JUNCTION	0.03	0.28	494.24	0	07:12	0.28
P17B000682	JUNCTION	0.03	0.27	493.04	0	07:12	0.27
P17B000683	JUNCTION	0.03	0.28	489.59	0	07:13	0.28
P17B000684	JUNCTION	0.03	0.26	491.42	0	07:13	0.26
P17B001699	JUNCTION	0.07	0.59	488.35	0	07:12	0.59
P17B001705	JUNCTION	0.12	1.16	487.87	0	07:12	1.16
P17B001720	JUNCTION	0.07	0.83	487.97	0	07:12	0.83
P17B001748	JUNCTION	0.20	1.48	487.84	0	07:12	1.48
P17B001758	JUNCTION	0.14	1.05	486.19	0	07:12	1.05
P17B001791	JUNCTION	0.11	0.91	484.70	0	07:12	0.91
P17B001830	JUNCTION	0.12	0.97	482.88	0	07:12	0.97
P17B001863	JUNCTION	1.75	2.93	464.92	0	07:12	2.93
P17B001882	JUNCTION	0.11	0.85	481.23	0	07:12	0.85
P17B001906	JUNCTION	0.12	0.92	479.18	0	07:12	0.92
P17B001907	JUNCTION	0.07	0.61	463.99	0	07:12	0.61
P17B001919	JUNCTION	0.07	0.57	477.19	0	07:13	0.57
P17B001934	JUNCTION	0.18	1.45	462.16	0	07:12	1.45
P17B001953	JUNCTION	3.66	6.60	447.35	0	07:03	6.59

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P17B001958	JUNCTION	0.06	0.52	475.63	0	07:12	0.52
P17B001964	JUNCTION	0.05	0.44	471.09	0	07:12	0.44
P17B001986	JUNCTION	0.09	0.65	457.24	0	07:12	0.65
P17B001990	JUNCTION	0.23	1.31	460.81	0	07:12	1.31
P17B002018	JUNCTION	3.45	6.55	447.07	0	07:04	6.53
P17B002034	JUNCTION	0.22	1.32	455.34	0	07:12	1.32
P17B002039B	JUNCTION	0.11	1.40	452.18	0	07:12	1.40
P17B002039D	JUNCTION	0.11	1.40	448.21	0	07:13	1.39
P17B002039E	JUNCTION	0.11	1.41	445.68	0	07:13	1.41
P17B002041	JUNCTION	0.58	3.59	454.29	0	07:12	3.55
P17C002064	JUNCTION	0.55	4.06	453.36	0	06:10	3.15
P17C002075	JUNCTION	0.59	3.84	452.33	0	06:10	2.92
P17C002084	JUNCTION	0.40	2.91	451.01	0	06:16	2.03
P17C002088	JUNCTION	3.30	6.54	446.83	0	07:04	6.54
P17C002117	JUNCTION	0.12	1.48	443.54	0	07:14	1.48
P17C002118	JUNCTION	4.22	6.18	444.88	0	07:55	6.18
P17C002118a	JUNCTION	4.69	8.06	446.76	0	07:04	8.05
P17C002123	JUNCTION	2.74	4.70	444.83	0	07:55	4.70
P17C002145	JUNCTION	2.72	4.70	444.78	0	07:55	4.70
P17C002184	JUNCTION	2.62	4.70	444.54	0	07:54	4.70
P17C002222	JUNCTION	2.58	4.74	444.34	0	07:53	4.73
P17D002067	JUNCTION	0.11	0.84	484.18	0	07:12	0.84
P17D002086	JUNCTION	0.08	0.60	482.82	0	07:13	0.60
P17D002092	JUNCTION	0.20	0.85	488.91	0	07:12	0.85
P17D002097	JUNCTION	0.25	1.08	493.57	0	07:12	1.07
P17D002108	JUNCTION	0.23	1.04	480.61	0	07:12	1.03
P17D002119	JUNCTION	0.27	1.22	474.76	0	07:12	1.22
P17D002143	JUNCTION	0.28	1.58	459.24	0	07:12	1.57
P17D002148	JUNCTION	0.22	0.98	464.97	0	07:13	0.97
P17D002158	JUNCTION	0.24	2.36	450.02	0	07:13	2.35
P17D002158A	JUNCTION	0.17	1.75	448.98	0	07:13	1.75
P17D002158B	JUNCTION	0.17	1.70	444.36	0	07:14	1.70
P17D002158C	JUNCTION	0.19	2.02	438.40	0	07:15	2.02
P17D002182	JUNCTION	0.79	4.52	453.47	0	08:35	3.13
P17D002186	JUNCTION	0.22	1.38	454.67	0	07:14	1.38
P17D002212	JUNCTION	0.57	1.83	450.29	0	07:14	1.83
P17D002217	JUNCTION	0.49	1.46	449.35	0	07:15	1.46
P17D002240	JUNCTION	0.21	1.17	456.96	0	07:12	1.17
P17D002248	JUNCTION	0.47	1.36	446.90	0	07:16	1.36
P17D002255	JUNCTION	0.18	1.02	458.84	0	07:12	1.02
P17D002270	JUNCTION	2.44	5.12	444.52	0	07:53	5.06
P17D002270a	JUNCTION	3.21	5.74	437.65	0	07:15	5.74
P17D002270b	JUNCTION	3.21	5.70	437.61	0	07:15	5.70
P17D002274	JUNCTION	2.98	6.05	444.98	0	07:53	6.03
P17D002284	JUNCTION	0.12	0.95	459.75	0	07:12	0.95
P17D002312	JUNCTION	2.74	4.94	443.79	0	08:04	4.89
P17D002365	JUNCTION	2.68	4.81	443.57	0	08:11	4.77
P17D002411	JUNCTION	2.60	4.73	443.40	0	07:52	4.66
P18A001822	JUNCTION	0.14	0.18	499.98	0	07:32	0.18
P18A001827	JUNCTION	0.58	1.85	489.44	0	07:12	1.84
P18A001873	JUNCTION	0.17	0.38	499.60	0	07:12	0.38
P18A001887_019-07FT	JUNCTION	1.39	1.57	499.26	0	07:12	1.57
P18A001915	JUNCTION	0.57	0.88	499.17	0	07:12	0.88
P18A001969	JUNCTION	0.17	0.45	497.71	0	07:12	0.45
P18A001992	JUNCTION	0.17	0.33	500.17	0	08:00	0.33
P18A001993	JUNCTION	0.17	0.33	499.56	0	08:00	0.33
P18A001994	JUNCTION	0.31	0.66	499.28	0	07:33	0.66
P18A001995	JUNCTION	0.28	0.80	496.19	0	07:12	0.80
P18A001996	JUNCTION	0.32	0.66	498.82	0	07:34	0.66
P18A002000	JUNCTION	0.23	0.67	492.82	0	07:12	0.66
P18A002006	JUNCTION	0.58	1.85	485.64	0	07:13	1.85
P18B000673	JUNCTION	0.61	1.79	492.90	0	07:19	1.79

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P18B001651	JUNCTION	0.54	1.66	492.45	0	07:19	1.66
P18B001729	JUNCTION	0.54	1.66	491.39	0	07:20	1.66
P18B001767	JUNCTION	0.54	1.65	490.34	0	07:21	1.65
P18C002310	JUNCTION	0.08	0.65	460.79	0	07:12	0.65
P18C002353	JUNCTION	0.09	0.73	461.32	0	06:48	0.73
P18C002392	JUNCTION	0.47	1.68	472.57	0	07:16	1.67
P18C002393	JUNCTION	0.62	2.18	475.07	0	07:16	2.15
P18C002395	JUNCTION	0.48	1.67	467.86	0	07:17	1.66
P18C002396	JUNCTION	0.61	2.33	476.52	0	07:16	2.16
P18C002397	JUNCTION	0.45	1.57	463.76	0	07:17	1.56
P18C002410	JUNCTION	0.78	3.32	459.61	0	07:12	3.30
P18D002169	JUNCTION	0.65	2.11	482.30	0	07:12	2.10
P18D002313	JUNCTION	0.59	2.02	478.59	0	07:14	2.02
P18D002388	JUNCTION	0.68	2.63	478.23	0	07:17	2.54
P18D002394	JUNCTION	0.48	2.01	477.60	0	07:22	1.73
P18D002408	JUNCTION	0.11	0.55	491.14	0	07:12	0.55
P18D002409	JUNCTION	0.08	0.41	482.20	0	07:12	0.41
P19A001837	JUNCTION	0.04	0.37	484.36	0	06:20	0.37
P19A002497	JUNCTION	0.09	0.79	469.98	0	06:21	0.79
P19B001847	JUNCTION	0.86	3.95	454.34	0	07:00	3.90
P19B002413	JUNCTION	0.51	1.84	461.63	0	07:17	1.84
P19B002414	JUNCTION	0.05	0.44	462.28	0	07:03	0.44
P19B002415	JUNCTION	0.50	2.03	458.32	0	06:54	1.88
P19B002431	JUNCTION	0.11	0.92	464.61	0	06:56	0.92
P19B002435	JUNCTION	0.08	0.69	464.68	0	07:09	0.69
P19B002440	JUNCTION	1.14	3.75	450.86	0	07:12	3.72
P19B002440a	JUNCTION	0.65	1.81	448.92	0	07:13	1.80
P19B002444	JUNCTION	0.26	3.18	453.75	0	07:13	3.14
P19B002445	JUNCTION	0.16	1.98	452.28	0	07:13	1.95
P19B002451	JUNCTION	0.10	0.85	465.74	0	06:55	0.85
P19B002464	JUNCTION	0.23	2.77	448.26	0	07:13	2.76
P19B002465	JUNCTION	0.09	0.79	467.44	0	06:54	0.79
P19B002467	JUNCTION	0.22	2.65	447.88	0	07:13	2.64
P19B002469	JUNCTION	0.24	2.68	447.58	0	07:14	2.68
P19B002473	JUNCTION	1.01	2.39	443.88	0	07:44	2.38
P19B002474	JUNCTION	0.99	2.28	443.53	0	07:44	2.28
P20A002417	JUNCTION	2.61	4.68	443.24	0	07:54	4.66
P20A002439	JUNCTION	2.57	4.65	442.88	0	07:54	4.63
P20A002448	JUNCTION	2.59	4.66	442.79	0	07:54	4.66
P20A002450	JUNCTION	2.60	4.66	442.78	0	07:54	4.66
P20A002461	JUNCTION	2.60	4.67	442.70	0	07:56	4.67
P20A002466	JUNCTION	2.72	4.79	442.69	0	07:56	4.79
P20A002471	JUNCTION	0.29	3.03	446.53	0	07:15	3.03
P20A002471A	JUNCTION	0.29	3.13	446.23	0	07:16	3.12
P20A002475	JUNCTION	0.96	2.16	443.18	0	07:42	2.16
P20A002476	JUNCTION	0.67	1.96	442.74	0	07:56	1.93
P20A002500	JUNCTION	0.00	0.00	437.97	0	00:00	0.00
P20A002502	JUNCTION	0.00	0.00	436.00	0	00:00	0.00
PL9	JUNCTION	2.67	4.74	442.64	0	07:55	4.73
R09B019188	JUNCTION	0.31	0.96	491.13	0	07:14	0.96
R09B019191	JUNCTION	0.06	0.45	472.14	0	06:26	0.45
R26A009631	JUNCTION	0.23	0.50	659.19	0	08:01	0.50
R26A009636	JUNCTION	0.58	1.19	654.13	0	08:01	1.19
R26A009639	JUNCTION	0.37	0.84	653.08	0	08:01	0.84
R26A009666	JUNCTION	0.41	0.91	651.36	0	08:01	0.91
R26A009687	JUNCTION	0.28	0.62	650.02	0	08:01	0.62
R26A009710	JUNCTION	0.25	0.54	647.00	0	08:02	0.54
R26A009719	JUNCTION	0.31	0.68	641.40	0	08:02	0.68
R26B009601	JUNCTION	0.02	0.10	465.64	0	07:55	0.10
R26B009649	JUNCTION	0.02	0.12	465.01	0	07:57	0.12
R26B009686	JUNCTION	0.03	0.14	463.70	0	07:59	0.14
R26B009722	JUNCTION	0.04	0.20	462.18	0	08:02	0.20

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R26B009745	JUNCTION	0.05	0.26	461.68	0	08:03	0.26
R26B009784	JUNCTION	0.04	0.23	461.27	0	08:07	0.23
R26B009829	JUNCTION	0.10	0.45	460.70	0	08:11	0.45
R26C0010000	JUNCTION	0.07	0.35	459.87	0	08:16	0.35
R26C009890	JUNCTION	0.06	0.32	460.57	0	08:13	0.32
R26C009940	JUNCTION	0.06	0.33	460.22	0	08:15	0.33
R26C010039	JUNCTION	0.07	0.36	459.51	0	08:18	0.36
R26C010072	JUNCTION	0.07	0.37	459.18	0	08:18	0.37
R26C010109	JUNCTION	0.07	0.37	458.78	0	08:20	0.37
R26C010147	JUNCTION	0.32	0.45	458.25	0	08:49	0.45
R26C010149	JUNCTION	0.00	0.00	457.93	0	00:00	0.00
R26C010152	JUNCTION	30.71	110.07	568.00	0	00:12	36.82
R26C010154	JUNCTION	0.32	0.41	458.38	0	08:21	0.41
R26D010137	JUNCTION	0.38	0.75	605.42	0	08:40	0.75
R26D010148	JUNCTION	0.32	0.60	600.71	0	08:40	0.60
R26D010175	JUNCTION	0.35	0.67	572.84	0	08:40	0.67
R26D010186	JUNCTION	0.00	0.00	570.20	0	00:00	0.00
R26D010219	JUNCTION	0.00	0.00	555.27	0	00:00	0.00
R26D010220	JUNCTION	0.41	0.82	554.70	0	08:40	0.82
R27B009543	JUNCTION	0.34	0.78	676.13	0	08:03	0.77
R27B009549	JUNCTION	0.29	0.65	674.33	0	08:03	0.65
R27B009572	JUNCTION	0.35	0.78	671.26	0	07:56	0.78
R27B009598	JUNCTION	0.29	0.63	668.52	0	08:00	0.63
R27B009613	JUNCTION	0.34	0.77	663.45	0	08:00	0.77
R27B009617	JUNCTION	0.35	0.77	660.98	0	08:00	0.77
R27B009743	JUNCTION	0.35	0.78	637.35	0	08:02	0.78
R27B009779	JUNCTION	0.27	0.60	633.57	0	08:03	0.60
R27B009813	JUNCTION	0.28	0.63	626.85	0	08:03	0.63
R27B009820	JUNCTION	0.29	0.63	623.90	0	08:03	0.63
R27C009857	JUNCTION	0.23	0.50	620.40	0	08:03	0.50
R27C009862	JUNCTION	0.43	0.96	617.38	0	08:04	0.96
R27C009909	JUNCTION	0.43	0.96	616.70	0	08:04	0.96
R27C009928	JUNCTION	0.43	0.96	616.08	0	08:05	0.96
R27C009947	JUNCTION	1.10	1.76	663.67	0	09:46	1.76
R27C009948	JUNCTION	0.37	0.65	666.26	0	09:44	0.65
R27C009949	JUNCTION	0.61	1.14	663.35	0	09:48	1.14
R27C009953	JUNCTION	0.78	1.40	662.89	0	09:50	1.40
R27C009955	JUNCTION	0.00	0.00	681.03	0	00:00	0.00
R27C009956	JUNCTION	0.33	0.44	661.21	0	09:51	0.44
R27C009957	JUNCTION	0.31	0.56	654.84	0	09:50	0.56
R27C009957b	JUNCTION	0.22	0.37	632.17	0	09:51	0.37
R27C009960	JUNCTION	0.43	0.97	615.60	0	08:06	0.97
R27C009996	JUNCTION	0.44	0.90	614.51	0	08:07	0.90
R27C010014	JUNCTION	0.22	0.48	613.77	0	08:07	0.48
R27C010016	JUNCTION	0.67	1.27	613.27	0	08:37	1.27
R27C010040	JUNCTION	0.67	1.21	612.78	0	08:38	1.21
R27C010083	JUNCTION	0.41	0.74	611.40	0	08:39	0.74
R27D009959	JUNCTION	0.62	1.11	667.06	0	09:43	1.11
R27D009961	JUNCTION	0.52	0.96	666.62	0	09:43	0.96
R33A006630	JUNCTION	0.00	0.00	596.17	0	00:00	0.00
R33B010423	JUNCTION	0.02	0.14	616.77	0	07:12	0.14
R33B010443	JUNCTION	0.05	0.38	611.77	0	07:12	0.38
R33B010450	JUNCTION	0.02	0.14	613.03	0	07:12	0.14
R33B010472	JUNCTION	0.01	0.11	611.16	0	07:12	0.11
R33B010479	JUNCTION	0.04	0.33	608.28	0	07:12	0.33
R33B010482	JUNCTION	0.06	0.45	611.29	0	07:12	0.45
R33B010483	JUNCTION	0.20	0.38	606.28	0	09:54	0.38
R33B010484	JUNCTION	0.18	0.34	608.92	0	09:55	0.34
R33B010485	JUNCTION	0.17	0.34	611.75	0	09:54	0.34
R33B010507	JUNCTION	0.20	0.38	603.13	0	09:56	0.38
R33B010508	JUNCTION	0.20	0.38	603.47	0	09:55	0.38
R33B010509	JUNCTION	0.22	0.41	604.53	0	09:54	0.41

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R33B010511	JUNCTION	0.02	0.19	614.68	0	07:12	0.19
R33B010512	JUNCTION	0.03	0.20	624.61	0	07:12	0.20
R33B010515	JUNCTION	0.41	0.71	601.78	0	09:48	0.71
R33B010535	JUNCTION	0.31	0.57	600.26	0	09:48	0.57
R33B010536	JUNCTION	0.04	0.31	607.33	0	07:12	0.31
R33B019450	JUNCTION	0.07	0.53	607.61	0	07:12	0.53
R33C006678	JUNCTION	0.30	0.55	597.14	0	09:48	0.55
R33C006974	JUNCTION	0.48	1.22	589.68	0	07:03	1.22
R33C007196	JUNCTION	0.04	0.34	599.85	0	07:12	0.34
R33C010609	JUNCTION	0.41	0.74	594.89	0	07:00	0.74
R33C010610	JUNCTION	0.04	0.35	605.78	0	07:12	0.35
R33C010627	JUNCTION	0.45	0.87	593.73	0	07:01	0.87
R33C010652	JUNCTION	0.43	1.01	592.22	0	07:02	1.01
R33C010653	JUNCTION	0.06	0.50	598.25	0	07:13	0.50
R33C010654	JUNCTION	0.08	0.64	600.35	0	07:13	0.64
R33C010655	JUNCTION	0.08	0.63	602.52	0	07:12	0.63
R33C010656	JUNCTION	0.08	0.67	604.53	0	07:12	0.67
R33C010657	JUNCTION	0.10	0.82	608.24	0	07:12	0.82
R33C010660	JUNCTION	0.10	0.84	610.30	0	07:12	0.84
R33C010724	JUNCTION	0.07	0.56	591.90	0	07:12	0.56
R33C010727	JUNCTION	0.06	0.45	599.48	0	07:12	0.45
R33C010805	JUNCTION	0.08	0.67	600.55	0	07:12	0.67
R33C010806	JUNCTION	1.78	2.53	605.24	0	07:12	2.53
R33C010807	JUNCTION	0.07	0.60	600.77	0	07:12	0.60
R33C010808	JUNCTION	0.07	0.57	606.08	0	07:12	0.57
R33C010811	JUNCTION	0.05	0.45	607.56	0	07:12	0.45
R33D006698	JUNCTION	0.00	0.00	594.98	0	00:00	0.00
R33D006805	JUNCTION	0.00	0.00	593.08	0	00:00	0.00
R33D006887	JUNCTION	0.00	0.00	591.10	0	00:00	0.00
R33D006973	JUNCTION	0.00	0.00	590.48	0	00:00	0.00
R33D006982	JUNCTION	0.50	1.26	588.12	0	07:04	1.26
R33D007082	JUNCTION	0.00	0.00	588.39	0	00:00	0.00
R33D007083	JUNCTION	0.56	1.37	586.58	0	07:05	1.37
R33D007183	JUNCTION	0.00	0.00	581.39	0	00:00	0.00
R33D007189	JUNCTION	0.63	1.58	583.09	0	07:07	1.58
R33D007193	JUNCTION	0.58	1.55	583.14	0	07:07	1.55
R33D007194	JUNCTION	0.43	1.16	585.03	0	07:06	1.16
R33D007202	JUNCTION	0.52	1.40	580.89	0	07:08	1.40
R33D020934	JUNCTION	0.43	1.16	583.92	0	07:06	1.16
R34A010366	JUNCTION	0.06	0.47	648.21	0	07:12	0.47
R34A010398	JUNCTION	0.07	0.55	647.20	0	07:12	0.55
R34A010413	JUNCTION	0.08	0.57	646.48	0	07:12	0.57
R34A010416	JUNCTION	0.06	0.48	644.83	0	07:13	0.48
R34A010421	JUNCTION	0.05	0.33	644.30	0	07:01	0.33
R34A010461	JUNCTION	0.28	0.52	642.65	0	07:33	0.51
R34A010493	JUNCTION	0.31	0.57	639.62	0	07:33	0.57
R34A010503	JUNCTION	0.30	0.55	638.51	0	07:34	0.55
R34A010518	JUNCTION	0.44	0.80	637.48	0	07:34	0.80
R34A020821	JUNCTION	0.31	0.58	636.68	0	07:35	0.58
R34A020822	JUNCTION	0.32	0.62	637.63	0	07:34	0.62
R34A020823	JUNCTION	0.55	0.94	643.25	0	07:32	0.93
R34D010550	JUNCTION	0.28	0.51	636.31	0	07:35	0.51
R34D010600	JUNCTION	0.10	0.82	620.05	0	06:53	0.82
R34D010604	JUNCTION	0.23	0.41	633.62	0	07:36	0.41
R34D010637	JUNCTION	0.24	0.85	618.01	0	07:12	0.85
R34D010641	JUNCTION	0.25	0.45	626.15	0	07:37	0.45
R34D010661	JUNCTION	0.22	0.79	616.67	0	07:13	0.79
R34D010678	JUNCTION	0.30	1.09	615.39	0	07:13	1.09
R34D010683	JUNCTION	0.33	0.59	619.84	0	07:38	0.59
R34D010712	JUNCTION	0.35	1.59	614.60	0	07:12	1.59
R34D010720	JUNCTION	0.25	0.45	615.78	0	07:39	0.45
R34D010752	JUNCTION	0.25	1.09	612.65	0	07:12	1.09

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R34D010754	JUNCTION	0.36	1.23	611.09	0	07:13	1.23
R34D010755	JUNCTION	0.30	1.06	609.80	0	07:14	1.06
R34D010756	JUNCTION	0.35	1.32	608.26	0	07:12	1.32
R34D010759	JUNCTION	0.45	1.58	607.38	0	07:12	1.57
R34D010792	JUNCTION	0.51	1.58	605.23	0	07:12	1.58
R34D010803	JUNCTION	0.46	1.43	604.95	0	07:12	1.42
R35A010235	JUNCTION	0.00	0.00	548.17	0	00:00	0.00
R35A010236	JUNCTION	0.41	0.82	548.04	0	08:41	0.82
R35A010271	JUNCTION	0.00	0.00	537.64	0	00:00	0.00
R35A010275	JUNCTION	0.38	0.75	537.06	0	08:41	0.75
R35A010276	JUNCTION	0.00	0.00	529.51	0	00:00	0.00
R35A010283	JUNCTION	0.00	0.00	526.72	0	00:00	0.00
R35A010285	JUNCTION	0.40	0.80	524.58	0	08:41	0.80
R35A010303	JUNCTION	0.00	0.00	522.99	0	00:00	0.00
R35A010308	JUNCTION	0.45	0.94	519.11	0	08:42	0.94
R35A010313	JUNCTION	0.00	0.00	514.74	0	00:00	0.00
R35A010322	JUNCTION	0.46	0.94	511.84	0	08:42	0.94
R35A010331	JUNCTION	0.00	0.00	503.67	0	00:00	0.00
R35A010346	JUNCTION	0.43	0.88	503.06	0	08:43	0.88
R35A010351	JUNCTION	0.00	0.00	500.52	0	00:00	0.00
R35A010353	JUNCTION	0.37	0.68	498.83	0	08:43	0.68
R35A010356	JUNCTION	0.44	0.82	497.09	0	08:43	0.82
R35A010363	JUNCTION	0.33	0.63	494.62	0	08:43	0.63
R35A010371	JUNCTION	0.60	1.15	488.08	0	08:42	1.15
R35A010374	JUNCTION	0.56	1.14	487.83	0	08:40	1.14
R35A010401	JUNCTION	0.81	1.49	487.73	0	08:33	1.49
R35A010430	JUNCTION	0.94	1.79	486.93	0	08:34	1.79
R35A010453	JUNCTION	0.93	1.78	486.23	0	08:35	1.78
R35A010474	JUNCTION	0.97	1.78	485.51	0	08:35	1.78
R35A010505	JUNCTION	0.81	1.52	484.55	0	08:36	1.52
R35A010530	JUNCTION	0.80	1.50	482.88	0	08:37	1.50
R35D010565	JUNCTION	0.81	1.52	481.22	0	08:38	1.52
R35D010605	JUNCTION	0.75	1.44	479.47	0	08:39	1.44
R35D010624	JUNCTION	0.75	1.44	476.76	0	08:40	1.44
R35D010651	JUNCTION	0.75	1.45	474.06	0	08:41	1.45
R35D010674	JUNCTION	0.72	1.37	471.66	0	08:42	1.37
R35D010698	JUNCTION	0.76	1.48	469.44	0	08:42	1.48
R35D010717	JUNCTION	0.75	1.45	467.17	0	08:39	1.45
R35D010749	JUNCTION	0.75	1.88	464.65	0	08:58	1.87
R35D010788	JUNCTION	0.78	4.67	464.45	0	08:39	2.97
R35D021071	JUNCTION	0.78	4.50	464.55	0	08:39	2.86
RFMagReducer	JUNCTION	5.39	6.86	441.86	0	08:03	6.83
SangerReg-Sanger	JUNCTION	0.76	2.98	454.38	0	07:13	2.97
SangerReg-WashE	JUNCTION	0.16	1.52	455.62	0	07:12	1.52
SangerReg-WashW	JUNCTION	1.15	5.53	454.63	0	07:14	5.53
S-CstoreHB	JUNCTION	2.43	62.10	510.71	0	06:38	9.12
SouthDiversioMH	JUNCTION	0.03	0.03	453.42	0	06:10	0.03
SouthDiversioOF	JUNCTION	0.11	1.29	450.73	0	07:13	1.29
SouthDiversioUpstream	JUNCTION	0.16	0.16	454.16	0	03:22	0.16
SpringReg	JUNCTION	0.71	3.15	457.99	0	06:40	3.13
StateReg	JUNCTION	0.07	0.33	453.16	0	07:14	0.33
StormJunction	JUNCTION	0.31	1.60	607.57	0	07:12	1.60
TF4	JUNCTION	2.77	10.63	460.48	0	06:38	8.09
WalnutReg	JUNCTION	0.02	0.02	453.15	0	00:33	0.02
WalnutSewerCrossing1	JUNCTION	3.02	6.45	450.18	0	07:00	6.33
WalnutSewerCrossing2	JUNCTION	2.99	6.43	450.16	0	07:00	6.32
WaterOF	JUNCTION	0.25	2.36	455.15	0	07:09	2.34
WWTPjunction	JUNCTION	1.39	2.05	432.35	0	12:19	2.05
001	OUTFALL	0.00	0.00	443.47	0	00:00	0.00
003	OUTFALL	0.10	1.25	436.46	0	07:12	1.24
006A	OUTFALL	0.15	1.43	440.43	0	07:09	1.42
006B	OUTFALL	0.05	1.15	440.15	0	07:09	1.14

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007-03-09-OVERLANDtoSTORMSEWER	OUTFALL	0.00	0.00	0.00	0	00:00	
0.00							
007-03-12-OVERLANDtoSTORMSEWER	OUTFALL	0.00	0.00	0.00	0	00:00	
0.00							
007-03-13-OVERLANDtoSTORMSEWER	OUTFALL	0.00	0.00	0.00	0	00:00	
0.00							
007A	OUTFALL	0.13	1.71	440.21	0	07:12	1.71
008	OUTFALL	0.00	0.00	434.50	0	00:00	0.00
009	OUTFALL	0.00	0.00	435.92	0	00:00	0.00
010	OUTFALL	0.00	0.00	440.10	0	00:00	0.00
011	OUTFALL	0.00	0.00	442.00	0	00:00	0.00
013	OUTFALL	0.00	0.00	442.00	0	00:00	0.00
014	OUTFALL	0.00	0.00	434.00	0	00:00	0.00
016	OUTFALL	0.13	1.26	439.02	0	07:12	1.25
016-03-01-OVERLANDtoRIVER	OUTFALL	0.00	0.00	0.00	0	00:00	
0.00							
017	OUTFALL	0.11	1.32	442.53	0	07:14	1.32
017-02-05-OVERLANDtoRIVER	OUTFALL	0.00	0.00	0.00	0	00:00	
0.00							
017-02-07-OVERLANDtoRIVER	OUTFALL	0.00	0.00	0.00	0	00:00	
0.00							
017-02-08-OVERLANDtoRIVER	OUTFALL	0.00	0.00	0.00	0	00:00	
0.00							
018	OUTFALL	0.17	1.67	433.97	0	07:15	1.67
018-04-01-OVERLANDtoRIVER	OUTFALL	0.00	0.00	0.00	0	00:00	
0.00							
018-05-01-OVERLANDtoRIVER	OUTFALL	0.00	0.00	0.00	0	00:00	
0.00							
018-05-02-OVERLANDtoRIVER	OUTFALL	0.00	0.00	0.00	0	00:00	
0.00							
019	OUTFALL	0.20	2.16	445.21	0	07:16	2.16
020	OUTFALL	0.00	0.00	438.85	0	00:00	0.00
1	OUTFALL	0.00	0.00	0.00	0	00:00	0.00
WashingtonRoadOutfall	OUTFALL	0.00	0.00	468.00	0	00:00	0.00
WetWeatherTreatment	OUTFALL	0.00	0.00	429.00	0	00:00	0.00
WilcoxAve	OUTFALL	0.00	0.00	647.00	0	00:00	0.00
WWTP	OUTFALL	1.39	2.05	432.05	0	12:19	2.05
006-01LE_E-SWIRL	STORAGE	2.55	9.90	459.46	0	07:09	9.90
007-01LE_F-SWIRL	STORAGE	2.15	9.49	459.55	0	07:12	9.48
017-03FT_P17B002039	STORAGE	0.38	2.82	454.31	0	07:12	2.82
BypassPS	STORAGE	0.00	0.00	430.30	0	00:00	0.00
GritChamber	STORAGE	7.03	7.41	440.41	0	12:19	7.41
P04D008480	STORAGE	0.17	3.58	508.80	0	07:12	3.55
P17B001657	STORAGE	0.07	0.62	489.13	0	07:12	0.62
RawSewagePS	STORAGE	0.04	0.08	430.38	0	12:19	0.08

Node Inflow Summary

Total	Flow	Maximum	Maximum	Lateral
Inflow	Balance	Lateral	Total	Inflow
Volume	Error	Inflow	Inflow	Volume
Node	Type	CFS	CFS	10^6 gal
gal	Percent			10^6
			Time of Max	
			Occurrence	
			days hr:min	

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29.6	000-01LE_P20A002493	JUNCTION	0.00	98.48	0	07:55	0
22	0.037						
22	000-02LE_P16A001762	JUNCTION	2.04	76.05	0	06:58	1.65
23	0.132						
23	000-03LE_P09B019209	JUNCTION	0.00	83.97	0	06:17	0
9.75	0.725						
9.75	000-04LE_P10A019206	JUNCTION	0.00	31.16	0	12:31	0
16	0.010						
16	000-05FT_P09C001302	JUNCTION	0.00	56.02	0	06:53	0
4.09	-0.039						
4.09	000-06FT_P03B010947	JUNCTION	0.54	14.36	0	08:53	0.0973
1.05	0.308						
1.05	000-07FT_R22C009535	JUNCTION	5.39	5.39	0	07:59	1.05
4.2	0.023						
4.2	003-01LE_P03C011286	JUNCTION	0.00	66.39	0	06:36	0
6.33	0.111						
6.33	003-02FP_P03D011236	JUNCTION	5.74	60.67	0	07:12	0.711
1.17	0.053						
1.17	003-03FP_P03C011165	JUNCTION	8.76	17.24	0	07:12	0.646
0.901	0.143						
0.901	003-05FT_R34D010664	JUNCTION	0.00	3.32	0	07:37	0
4.46	0.044						
4.46	003-07FT_P03A010870	JUNCTION	4.52	36.33	0	07:12	0.639
7.15	0.017						
7.15	006-03FP_EatonReg	JUNCTION	0.00	107.53	0	09:59	0
6.7	-0.450						
6.7	007-03FP_P09B000783	JUNCTION	0.00	82.11	0	07:12	0
4.05	0.020						
4.05	007-04FT_P09B000789a	JUNCTION	0.00	38.76	0	06:36	0
0.118	0.026						
0.118	009-01LE_P09B001025	JUNCTION	0.00	1.10	0	07:13	0
6.37	0.014						
6.37	016-01LE_P16A002632Ba	JUNCTION	0.00	132.04	0	07:10	0
9.4	0.005						
9.4	016-02FP_P08C000595	JUNCTION	3.74	117.48	0	07:12	0.211
0.79	0.026						
0.79	016-03FP_P16A020804	JUNCTION	0.00	14.94	0	07:12	0
5.14	0.022						
5.14	016-04FT_P16A001674a	JUNCTION	0.00	110.80	0	07:11	0
9.82	-0.001						
9.82	016-04LT_P16A001674	JUNCTION	0.00	124.56	0	07:12	0
0.775	0.005						
0.775	016-06FT_P04D008125	JUNCTION	0.00	5.23	0	07:16	0
1.09	0.108						
1.09	016-07FT_P05C008108	JUNCTION	0.00	10.03	0	07:14	0
1.64	0.101						
1.64	017-01LE_P17B002039A	JUNCTION	0.00	35.55	0	07:12	0
0.964	-0.001						
0.964	017-04FT_P17C002116	JUNCTION	0.00	5.61	0	07:12	0
2.43	0.045						
2.43	018-01LE_SangerReg-Sanger2	JUNCTION	0.00	43.96	0	07:13	0
3.09	0.000						
3.09	018-04FP_P17D002127	JUNCTION	0.00	43.28	0	07:12	0
0.985	0.038						
0.985	018-05FP_P17D002214	JUNCTION	0.00	15.49	0	07:12	0
0.782	0.016						
0.782	018-06FP_P17D002115	JUNCTION	12.53	12.53	0	07:12	0.782
1.71	-0.008						
1.71	018-10FE_P17D002221	JUNCTION	0.00	9.69	0	07:15	0
	0.022						

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019_SW_Connection	JUNCTION	17.48	74.61	0	07:00	1.05
3.44 0.017						
019-01LE_DarstReg2	JUNCTION	0.00	61.33	0	07:13	0
2.39 -0.006						
019-03FT_P19B002463	JUNCTION	0.00	22.67	0	07:13	0
4.67 0.024						
Bypass	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
CarolineReg	JUNCTION	0.00	17.24	0	07:12	0
1.24 -0.166						
CC2	JUNCTION	68.60	68.60	0	14:01	30.6
30.6 0.007						
CedarOF1	JUNCTION	0.00	132.45	0	07:10	0
6.37 -0.001						
CedarReg-Water	JUNCTION	0.00	23.98	0	07:05	0
1.29 0.310						
CedarSewerCrossing1	JUNCTION	0.00	132.09	0	07:10	0
6.37 0.015						
CedarSewerCrossing2	JUNCTION	0.00	130.57	0	07:12	0
6.37 0.017						
DarstReg	JUNCTION	0.00	85.09	0	07:00	0
7.04 -0.178						
EatonSewerCrossing1	JUNCTION	0.00	47.59	0	07:08	0
2.49 0.002						
EatonSewerCrossing2	JUNCTION	0.00	47.53	0	07:08	0
2.49 -0.008						
E-SWIRL-MH6	JUNCTION	0.00	16.03	0	06:27	0
2.29 0.021						
E-SWIRL-MH6a	JUNCTION	0.00	16.04	0	06:27	0
2.29 0.003						
E-SWIRL-OF	JUNCTION	0.00	62.11	0	07:09	0
2.83 -0.012						
E-SWIRL-OF2	JUNCTION	0.00	69.00	0	07:09	0
2.83 -0.012						
FayetteReg	JUNCTION	0.00	80.18	0	07:12	0
6.95 -0.030						
FayetteSewerCrossing1	JUNCTION	0.00	68.44	0	07:12	0
2.65 0.005						
FayetteSewerCrossing2	JUNCTION	0.00	75.03	0	07:12	0
2.65 -0.175						
F-SWIRL-MH3	JUNCTION	0.00	38.77	0	06:36	0
4.05 0.015						
F-SWIRL-MH3a	JUNCTION	0.00	38.77	0	06:36	0
4.05 0.016						
F-SWIRL-OF	JUNCTION	0.00	68.89	0	07:12	0
2.65 -0.000						
F-SWIRL-OF2	JUNCTION	0.00	68.85	0	07:12	0
2.65 -0.000						
GreenReg	JUNCTION	0.00	19.15	0	07:12	0
1.15 -0.018						
HamiltonReg	JUNCTION	0.00	35.33	0	07:10	0
2.12 -0.280						
HarrisonReg	JUNCTION	0.00	0.04	0	00:55	0
0.0322 0.025						
Headworks	JUNCTION	0.00	145.60	0	12:19	0
60.2 0.024						
L13B003623	JUNCTION	0.76	0.76	0	07:59	0.172
0.172 0.016						
L13B003636	JUNCTION	0.00	0.76	0	07:59	0
0.172 0.028						
LibertyReg	JUNCTION	0.00	0.09	0	00:41	0
0.0726 0.022						

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LibertySewerCrossing1	JUNCTION	0.00	58.53	0	06:53	0
15.8 0.005						
MainReg	JUNCTION	0.00	29.23	0	07:12	0
1.76 -0.015						
P02A010849	JUNCTION	0.00	13.86	0	09:02	0
4.01 0.070						
P02A010875	JUNCTION	0.00	13.86	0	09:02	0
4 0.054						
P02A010886	JUNCTION	0.00	13.86	0	08:55	0
4 0.039						
P03A010846	JUNCTION	0.00	31.91	0	07:13	0
3.83 0.034						
P03A010885	JUNCTION	0.00	36.33	0	07:12	0
4.46 0.015						
P03A010904	JUNCTION	2.38	2.38	0	07:30	0.148
0.148 -0.000						
P03A010909	JUNCTION	0.00	2.38	0	07:31	0
0.148 -0.002						
P03A010911	JUNCTION	0.00	36.33	0	07:12	0
4.46 0.011						
P03A010917	JUNCTION	0.00	2.38	0	07:30	0
0.148 0.002						
P03A010933	JUNCTION	5.53	41.73	0	07:13	0.344
4.81 0.013						
P03A010944	JUNCTION	0.00	2.38	0	07:31	0
0.148 -0.004						
P03A010955	JUNCTION	6.72	48.31	0	07:12	0.402
5.21 0.002						
P03A010957	JUNCTION	0.00	2.38	0	07:31	0
0.148 -0.007						
P03A010980	JUNCTION	0.00	48.31	0	07:12	0
5.21 0.013						
P03A010981	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P03A010984	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P03A010990	JUNCTION	0.00	2.38	0	07:31	0
0.148 -0.003						
P03A011016	JUNCTION	0.00	2.38	0	07:31	0
0.148 0.025						
P03A011023	JUNCTION	0.00	48.31	0	07:12	0
5.21 0.015						
P03A011032	JUNCTION	6.34	8.57	0	07:12	0.38
0.528 -0.015						
P03A011069	JUNCTION	2.45	50.72	0	07:12	0.147
5.35 0.017						
P03A011105	JUNCTION	0.00	50.72	0	07:13	0
5.35 0.018						
P03B010906	JUNCTION	0.00	13.86	0	09:03	0
4 0.055						
P03B010920	JUNCTION	0.00	13.86	0	09:02	0
4 0.050						
P03B010943	JUNCTION	0.00	13.87	0	09:02	0
4 0.079						
P03B011036	JUNCTION	0.07	14.34	0	08:53	0.00724
4.08 0.054						
P03B011044	JUNCTION	0.00	14.36	0	08:53	0
4.08 0.131						
P03B011075	JUNCTION	0.00	8.56	0	07:12	0
0.528 -0.001						
P03B011076	JUNCTION	0.00	14.34	0	08:54	0
4.08 0.066						

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P03B011078	JUNCTION	0.01	14.36	0	08:54	0.00127
4.07 0.276						
P03B011117	JUNCTION	0.00	8.55	0	07:12	0
0.528 0.012						
P03C011151	JUNCTION	0.00	14.34	0	08:54	0
4.06 0.150						
P03C011166	JUNCTION	0.00	14.34	0	08:54	0
4.06 0.135						
P03C011195	JUNCTION	0.00	17.04	0	08:46	0
4.86 0.345						
P03C011208	JUNCTION	0.00	14.17	0	06:33	0
0.488 0.574						
P03C011253	JUNCTION	0.00	17.04	0	08:45	0
4.85 0.479						
P03C011258	JUNCTION	0.00	12.19	0	06:33	0
0.482 -0.773						
P03C011277	JUNCTION	0.00	25.14	0	08:35	0
7.38 0.160						
P03C011286a	JUNCTION	0.00	53.42	0	07:12	0
2.23 -0.004						
P03D000152	JUNCTION	0.00	19.15	0	07:12	0
1.15 0.003						
P03D000163	JUNCTION	0.00	19.15	0	07:12	0
1.15 0.006						
P03D011153	JUNCTION	0.00	50.72	0	07:13	0
5.35 0.021						
P03D011192	JUNCTION	3.53	54.13	0	07:13	0.211
5.56 0.013						
P03D011228	JUNCTION	0.00	54.13	0	07:13	0
5.56 0.006						
P03D011266	JUNCTION	0.00	0.91	0	07:14	0
0.0547 0.072						
P03D011290	JUNCTION	0.00	0.91	0	07:13	0
0.0547 0.015						
P03D011296	JUNCTION	0.01	24.85	0	08:42	0.000814
7.36 0.065						
P03D011320	JUNCTION	0.00	24.84	0	08:42	0.000452
7.36 0.164						
P03D011323	JUNCTION	0.00	0.91	0	07:12	0
0.0547 -0.010						
P03D011328	JUNCTION	0.00	41.90	0	06:34	0
1.9 -0.061						
P03D011348	JUNCTION	0.00	0.91	0	07:12	0
0.0547 -0.011						
P03D011351	JUNCTION	0.00	41.90	0	06:34	0
1.91 -0.084						
P03D011361	JUNCTION	0.00	24.84	0	08:42	0.000181
7.35 0.174						
P03D011367	JUNCTION	11.41	19.15	0	07:12	0.684
1.15 -0.018						
P03D011368	JUNCTION	0.00	41.95	0	06:34	0
1.91 0.245						
P03D011375	JUNCTION	0.91	0.91	0	07:12	0.0547
0.0547 -0.028						
P03D011389	JUNCTION	0.00	42.47	0	06:34	0
1.9 0.781						
P03D011401	JUNCTION	0.00	24.85	0	08:41	0
7.34 0.205						
P03D011403	JUNCTION	0.00	19.15	0	07:12	0
1.15 -0.002						
P03D011421	JUNCTION	0.00	24.85	0	08:42	0
7.32 0.188						

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P03D011423	JUNCTION	0.00	19.15	0	07:12	0
1.15 0.001						
P04A007282	JUNCTION	0.00	20.49	0	07:08	0
2.74 0.140						
P04A007472	JUNCTION	0.00	20.49	0	07:11	0
2.74 0.219						
P04A007639	JUNCTION	0.00	1.33	0	07:12	0
0.0799 -0.052						
P04A007640	JUNCTION	1.33	1.33	0	07:12	0.0799
0.0799 -0.002						
P04A007682	JUNCTION	0.64	20.95	0	07:14	0.435
3.17 0.170						
P04A007769	JUNCTION	0.00	2.94	0	07:12	0
0.176 -0.014						
P04A007770	JUNCTION	0.00	1.60	0	07:12	0
0.0959 0.019						
P04A007781	JUNCTION	1.60	1.60	0	07:12	0.0959
0.0959 -0.024						
P04B011080	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P04B011089	JUNCTION	0.00	0.04	0	06:07	0
0.000106 0.083						
P04B011091	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P04B011095	JUNCTION	5.27	5.27	0	07:12	0.316
0.316 0.007						
P04B011096	JUNCTION	0.00	5.27	0	07:12	0
0.316 -0.005						
P04B011099	JUNCTION	4.82	9.27	0	07:30	1.61
1.92 0.045						
P04B011115	JUNCTION	7.47	16.61	0	07:12	0.448
2.37 0.015						
P04B011119	JUNCTION	0.00	16.61	0	07:12	0
2.37 0.013						
P04B011124	JUNCTION	0.00	16.61	0	07:12	0
2.37 0.010						
P04B011139	JUNCTION	0.00	16.62	0	07:12	0
2.37 0.019						
P04C000167	JUNCTION	0.00	11.86	0	07:12	0
0.715 0.011						
P04C011161	JUNCTION	0.00	16.61	0	07:12	0
2.37 0.035						
P04C011173	JUNCTION	0.00	16.60	0	07:13	0
2.37 0.017						
P04C011176	JUNCTION	0.00	16.60	0	07:12	0
2.37 0.007						
P04C011201	JUNCTION	0.00	16.59	0	07:13	0
2.37 0.012						
P04C011204	JUNCTION	0.00	16.60	0	07:13	0
2.37 0.014						
P04C011213	JUNCTION	0.00	16.60	0	07:13	0
2.37 0.004						
P04C011224	JUNCTION	7.74	7.74	0	07:12	0.464
0.464 -0.003						
P04C011267	JUNCTION	0.00	7.74	0	07:12	0
0.464 -0.040						
P04C011298	JUNCTION	0.00	7.74	0	07:12	0
0.464 0.021						
P04C011308	JUNCTION	0.00	29.89	0	07:12	0
3.17 0.140						
P04C011321	JUNCTION	0.00	30.04	0	07:12	0
3.7 0.032						

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P04C011322	JUNCTION	0.00	30.04	0	07:12	0
3.7 0.014						
P04C011330	JUNCTION	0.00	7.74	0	07:12	0
0.464 0.062						
P04C011332	JUNCTION	4.27	34.30	0	07:12	0.256
3.96 0.036						
P04C011338	JUNCTION	4.74	34.44	0	07:12	0.284
3.45 0.027						
P04C011341	JUNCTION	0.00	30.05	0	07:12	0
3.71 0.045						
P04C011371	JUNCTION	0.00	34.29	0	07:12	0
3.96 0.063						
P04C011378	JUNCTION	0.00	34.43	0	07:12	0
3.45 0.061						
P04C011404	JUNCTION	4.00	38.28	0	07:12	0.24
4.19 0.045						
P04C011412	JUNCTION	0.00	34.41	0	07:13	0
3.45 0.041						
P04C019172	JUNCTION	0.00	16.60	0	07:13	0
2.37 0.017						
P04C019174	JUNCTION	8.27	24.73	0	07:12	0.496
2.86 0.006						
P04C019175	JUNCTION	5.20	29.93	0	07:12	0.312
3.18 0.016						
P04C019180	JUNCTION	0.00	29.92	0	07:12	0
3.18 0.030						
P04C019186	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P04C019187	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P04C019189	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P04D007896	JUNCTION	0.00	2.94	0	07:12	0
0.176 0.013						
P04D007929	JUNCTION	1.33	22.26	0	07:12	0.08
3.24 0.068						
P04D007987	JUNCTION	0.00	2.94	0	07:12	0
0.176 0.022						
P04D008030	JUNCTION	3.60	25.86	0	07:12	0.216
3.46 0.031						
P04D008148	JUNCTION	2.54	28.39	0	07:12	0.152
3.61 0.028						
P04D008225	JUNCTION	0.00	5.22	0	07:17	0
0.774 0.122						
P04D008239	JUNCTION	1.67	30.06	0	07:12	0.1
3.71 0.045						
P04D008278	JUNCTION	1.60	1.60	0	07:12	0.0996
0.0996 -0.031						
P04D008314	JUNCTION	0.00	5.21	0	07:18	0
0.773 0.072						
P04D008344	JUNCTION	7.41	7.41	0	07:12	0.444
0.444 -0.013						
P04D008368	JUNCTION	0.00	5.21	0	07:19	0
0.773 0.048						
P04D008404	JUNCTION	2.00	2.00	0	07:12	0.12
0.12 -0.000						
P04D008426	JUNCTION	0.00	2.01	0	06:36	0
0.12 -0.001						
P04D008432	JUNCTION	0.00	2.01	0	06:59	0
0.12 0.004						
P04D008435	JUNCTION	0.00	7.41	0	07:12	0
0.444 0.005						

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P04D008438	JUNCTION	0.00	2.01	0	06:33	0
0.12 -0.017						
P04D008449	JUNCTION	0.00	5.21	0	07:20	0
0.772 0.052						
P04D011384	JUNCTION	0.00	1.59	0	07:12	0
0.0996 0.059						
P04D011414	JUNCTION	2.87	11.86	0	07:12	0.172
0.715 -0.003						
P05B007812	JUNCTION	5.61	5.61	0	07:30	0.787
0.787 0.058						
P05C000168	JUNCTION	0.00	9.96	0	07:19	0
1.08 0.061						
P05C007899	JUNCTION	0.00	5.61	0	07:31	0
0.787 0.087						
P05C007949	JUNCTION	0.00	5.60	0	07:31	0
0.786 0.104						
P05C007974	JUNCTION	0.00	5.59	0	07:32	0
0.785 0.088						
P05C007977	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P05C008098	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P05C008102	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P05C008106	JUNCTION	0.00	10.05	0	07:13	0
1.09 0.164						
P05C008109	JUNCTION	2.54	2.54	0	07:30	0.601
0.601 0.133						
P05C008116	JUNCTION	0.00	2.54	0	07:31	0
0.6 0.216						
P05C008119	JUNCTION	0.00	10.10	0	07:12	0
1.09 0.094						
P05C008210	JUNCTION	0.00	9.99	0	07:15	0
1.08 0.066						
P05C008219	JUNCTION	5.07	5.07	0	07:12	0.304
0.304 -0.003						
P05C008297	JUNCTION	0.00	9.98	0	07:16	0
1.08 0.150						
P05C008408	JUNCTION	0.00	9.96	0	07:17	0
1.08 0.089						
P05C008472	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P05C008511	JUNCTION	0.00	9.96	0	07:18	0
1.08 0.069						
P05C008542	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P05D000148	JUNCTION	0.00	6.54	0	07:12	0
0.392 0.018						
P05D008517	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P05D008519	JUNCTION	3.54	6.54	0	07:12	0.212
0.392 -0.001						
P05D008520	JUNCTION	0.00	6.54	0	07:12	0
0.392 0.003						
P05D008524	JUNCTION	3.00	3.00	0	07:12	0.18
0.18 -0.006						
P05D020745	JUNCTION	0.00	6.54	0	07:12	0
0.392 -0.001						
P07C000585	JUNCTION	0.00	30.18	0	07:17	0
2.39 0.009						
P07C000603	JUNCTION	5.50	34.71	0	07:18	1.37
3.77 0.033						

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P07C001321	JUNCTION	0.00	15.01	0	07:13	0
0.934 -0.039						
P07C001323	JUNCTION	0.00	15.02	0	07:13	0
0.932 -0.001						
P07C001326	JUNCTION	0.00	15.03	0	07:12	0
0.932 -0.001						
P07C001327	JUNCTION	10.88	25.83	0	07:12	0.653
1.59 -0.008						
P07C001402	JUNCTION	0.00	25.81	0	07:12	0
1.59 0.006						
P07C001454	JUNCTION	0.00	25.80	0	07:12	0
1.59 0.001						
P07C001479	JUNCTION	0.00	25.79	0	07:12	0
1.59 -0.000						
P07C001483	JUNCTION	0.00	25.73	0	07:13	0
1.59 0.027						
P07C001489	JUNCTION	0.00	25.77	0	07:13	0
1.59 0.003						
P07C001493	JUNCTION	0.00	25.79	0	07:12	0
1.59 -0.030						
P07C001499	JUNCTION	0.00	25.71	0	07:13	0
1.59 -0.017						
P07C001554	JUNCTION	0.00	25.71	0	07:14	0
1.59 0.011						
P07C001589	JUNCTION	0.00	25.70	0	07:14	0
1.59 0.002						
P07C001617	JUNCTION	0.00	25.69	0	07:15	0
1.59 0.005						
P07C001626	JUNCTION	0.00	25.69	0	07:15	0
1.59 -0.045						
P07C001627	JUNCTION	0.00	25.68	0	07:16	0
1.59 0.041						
P07C001628	JUNCTION	0.00	25.66	0	07:17	0
1.59 0.006						
P07C020785	JUNCTION	0.00	15.02	0	07:13	0
0.932 0.041						
P07D000579	JUNCTION	0.00	4.88	0	07:30	0
0.809 0.004						
P07D001426	JUNCTION	3.15	3.15	0	07:59	0.658
0.658 0.016						
P07D001458	JUNCTION	0.00	3.15	0	07:59	0
0.658 0.036						
P07D001500	JUNCTION	0.00	3.15	0	08:00	0
0.658 0.143						
P07D001518	JUNCTION	0.00	3.15	0	08:00	0
0.657 0.008						
P07D001542	JUNCTION	0.00	3.15	0	08:00	0
0.657 0.006						
P07D001551	JUNCTION	0.00	3.15	0	08:00	0
0.657 0.005						
P07D001569	JUNCTION	0.00	4.88	0	07:30	0
0.809 0.011						
P07D001572	JUNCTION	2.54	4.89	0	07:30	0.152
0.809 0.019						
P07D001604	JUNCTION	0.00	4.88	0	07:30	0
0.809 0.008						
P08A000211	JUNCTION	7.41	13.94	0	07:12	0.444
0.836 -0.011						
P08A000286	JUNCTION	0.00	13.94	0	07:12	0
0.836 -0.007						
P08A000391	JUNCTION	0.00	13.94	0	07:12	0
0.836 0.006						

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P08A000447	JUNCTION	0.00	13.94	0	07:12	0
0.836 -0.000						
P08A000495	JUNCTION	0.00	16.81	0	07:02	0
1.55 0.037						
P08A000548	JUNCTION	0.00	16.81	0	07:02	0
1.55 0.009						
P08A000557	JUNCTION	5.94	5.94	0	06:53	0.323
0.323 -0.027						
P08A000560	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P08A000698	JUNCTION	0.00	13.94	0	07:12	0
0.836 -0.005						
P08A000797	JUNCTION	0.00	13.94	0	07:12	0
0.836 0.009						
P08A000849	JUNCTION	1.12	15.03	0	07:00	0.618
1.45 0.029						
P08A000895	JUNCTION	0.00	15.03	0	07:14	0
1.45 0.066						
P08A001001	JUNCTION	1.80	16.82	0	06:56	0.108
1.56 0.949						
P08B000306	JUNCTION	0.00	9.95	0	07:20	0
1.08 0.029						
P08B000322	JUNCTION	0.00	13.80	0	07:12	0
1.54 0.038						
P08B000372	JUNCTION	8.94	18.27	0	07:12	0.486
1.57 0.008						
P08B000380	JUNCTION	0.00	13.79	0	07:12	0
1.54 0.045						
P08B000413	JUNCTION	0.00	18.26	0	07:12	0
1.57 0.005						
P08B000450	JUNCTION	0.00	13.78	0	07:12	0
1.54 0.080						
P08B000453	JUNCTION	0.00	13.75	0	07:13	0
1.54 0.122						
P08B000454	JUNCTION	0.00	13.70	0	07:14	0
1.54 0.136						
P08B000465	JUNCTION	0.00	31.72	0	07:12	0
3.1 0.048						
P08B000534	JUNCTION	0.00	36.29	0	07:15	0
3.35 0.059						
P08B000547	JUNCTION	0.00	5.94	0	06:53	0
0.323 0.014						
P08B000720	JUNCTION	0.00	31.67	0	07:12	0
3.1 0.030						
P08B000765	JUNCTION	0.80	32.38	0	07:12	0.0435
3.14 0.059						
P08B000869	JUNCTION	0.00	36.37	0	07:13	0
3.36 0.024						
P08B000870	JUNCTION	0.00	4.00	0	06:58	0
0.218 0.287						
P08B000871	JUNCTION	0.00	4.00	0	07:04	0
0.218 -0.022						
P08B000879	JUNCTION	0.00	36.34	0	07:13	0
3.36 0.030						
P08B000937	JUNCTION	0.00	4.00	0	06:52	0
0.218 0.031						
P08B000938	JUNCTION	0.00	4.00	0	06:47	0
0.218 -0.028						
P08B000998	JUNCTION	4.00	4.00	0	06:50	0.218
0.218 -0.018						
P08B001009	JUNCTION	0.00	36.34	0	07:13	0
3.36 0.036						

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P08B001044	JUNCTION	0.00	36.32	0	07:14	0
3.36 0.073						
P08C000584	JUNCTION	0.00	2.40	0	06:58	0
0.131 0.107						
P08C000606	JUNCTION	0.00	11.68	0	07:12	0
0.635 0.021						
P08C000608	JUNCTION	0.00	11.68	0	07:12	0
0.635 0.001						
P08C000609	JUNCTION	0.00	11.68	0	07:12	0
0.635 0.039						
P08C000634	JUNCTION	2.40	2.40	0	07:01	0.131
0.131 -0.123						
P08C000636	JUNCTION	7.14	124.58	0	07:12	0.429
9.82 0.013						
P08C001129	JUNCTION	0.00	5.94	0	06:54	0
0.323 -0.009						
P08C001136	JUNCTION	0.00	36.27	0	07:15	0
3.35 0.040						
P08C001181	JUNCTION	0.00	36.26	0	07:16	0
3.35 0.042						
P08C001202	JUNCTION	0.00	5.94	0	06:56	0
0.323 0.020						
P08C001229	JUNCTION	0.00	36.27	0	07:16	0
3.35 0.035						
P08C001236	JUNCTION	0.00	5.94	0	06:57	0
0.323 0.119						
P08C001262	JUNCTION	0.00	36.33	0	07:17	0
3.35 0.042						
P08C001279	JUNCTION	0.00	35.34	0	07:08	0
2.54 0.053						
P08C001282	JUNCTION	3.07	35.34	0	07:07	0.167
2.54 0.019						
P08C001285	JUNCTION	2.82	73.71	0	07:14	1.1
6.99 0.065						
P08C001290	JUNCTION	0.00	26.33	0	07:07	0
2.05 0.015						
P08C001308	JUNCTION	0.00	73.70	0	07:14	0
6.98 0.020						
P08C001333	JUNCTION	0.00	73.70	0	07:15	0
6.98 0.046						
P08C001428	JUNCTION	0.00	73.71	0	07:15	0
6.98 0.031						
P08C001433	JUNCTION	0.00	78.55	0	07:15	0
6.98 0.008						
P08C001439	JUNCTION	0.00	73.70	0	07:16	0
6.98 0.022						
P08C001444	JUNCTION	0.00	73.72	0	07:16	0
6.97 0.027						
P08C001474	JUNCTION	8.07	81.15	0	07:12	0.439
7.41 0.029						
P08C001513	JUNCTION	0.00	96.52	0	07:12	0
8.24 0.007						
P08C001515	JUNCTION	0.00	6.07	0	06:41	0
0.327 0.037						
P08C001528	JUNCTION	0.00	6.07	0	06:42	0
0.327 -0.001						
P08C001546	JUNCTION	0.00	98.87	0	07:12	0
8.38 0.026						
P08C001568	JUNCTION	0.00	2.40	0	07:12	0
0.131 0.034						
P08C001585	JUNCTION	9.08	113.88	0	07:12	0.493
9.19 0.051						

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P08C001588	JUNCTION	0.00	15.41	0	07:12	0
0.838 0.140						
P08C001599	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P08C001618	JUNCTION	0.00	113.82	0	07:12	0
9.19 0.040						
P08C001624	JUNCTION	0.00	15.41	0	07:12	0
0.837 -0.011						
P08C001625	JUNCTION	3.74	3.74	0	06:50	0.203
0.203 -0.002						
P08D000582	JUNCTION	0.00	4.54	0	06:47	0
0.247 -0.002						
P08D000610	JUNCTION	7.14	11.68	0	07:12	0.388
0.634 -0.078						
P08D000612	JUNCTION	0.00	4.57	0	06:31	0
0.247 0.127						
P08D000613	JUNCTION	0.00	4.54	0	06:47	0
0.247 -0.046						
P08D001122	JUNCTION	0.00	16.81	0	07:02	0
1.55 0.004						
P08D001160	JUNCTION	0.00	16.81	0	07:02	0
1.55 0.010						
P08D001253	JUNCTION	0.00	16.81	0	07:02	0
1.54 0.009						
P08D001254	JUNCTION	0.00	16.81	0	07:02	0
1.54 0.005						
P08D001257	JUNCTION	15.04	15.04	0	07:12	0.932
0.932 -0.003						
P08D001291	JUNCTION	0.00	26.34	0	07:05	0
2.06 0.374						
P08D001292	JUNCTION	0.00	16.81	0	07:02	0
1.54 0.013						
P08D001293	JUNCTION	5.00	26.34	0	07:04	0.272
2.06 0.071						
P08D001294	JUNCTION	4.00	20.81	0	07:03	0.218
1.76 0.118						
P08D001295	JUNCTION	0.00	16.81	0	07:03	0
1.54 0.043						
P08D001318_019-10FT	JUNCTION	0.00	15.04	0	07:12	0
0.932 0.003						
P08D001320	JUNCTION	0.00	0.53	0	07:12	0
0.0298 0.034						
P08D001366	JUNCTION	0.00	0.53	0	07:11	0
0.0298 0.015						
P08D001447	JUNCTION	0.53	0.53	0	07:07	0.0298
0.0298 -0.073						
P08D001448	JUNCTION	0.00	0.54	0	06:24	0
0.0298 0.034						
P08D001451	JUNCTION	0.00	0.53	0	07:10	0
0.0298 0.014						
P08D001453	JUNCTION	0.00	0.53	0	07:12	0
0.0298 -0.009						
P08D001566	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P08D001602	JUNCTION	4.54	4.54	0	06:48	0.247
0.247 -0.014						
P09A000182	JUNCTION	2.37	4.33	0	07:13	0.402
0.522 0.055						
P09A000186	JUNCTION	4.60	9.53	0	07:12	0.25
1.02 0.009						
P09A000187	JUNCTION	0.00	1.96	0	07:12	0
0.12 0.025						

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P09A000207	JUNCTION	0.00	4.33	0	07:13	0
0.522 0.010						
P09A000220	JUNCTION	0.00	4.33	0	07:13	0
0.522 0.030						
P09A000255	JUNCTION	0.00	13.81	0	07:12	0
1.54 0.022						
P09A000256	JUNCTION	0.00	4.33	0	07:14	0
0.522 0.002						
P09A000257	JUNCTION	0.00	4.33	0	07:14	0
0.522 0.032						
P09A000523	JUNCTION	0.00	0.01	0	02:37	0
0.00807 0.019						
P09A000541	JUNCTION	0.00	0.01	0	00:22	0
0.00807 0.031						
P09A001117	JUNCTION	0.01	0.01	0	00:00	0.00808
0.00808 0.063						
P09B000196	JUNCTION	0.00	38.27	0	07:12	0
4.19 0.032						
P09B000239	JUNCTION	4.67	4.67	0	07:12	0.28
0.28 -0.000						
P09B000301	JUNCTION	7.79	19.64	0	07:12	0.467
1.18 -0.010						
P09B000334	JUNCTION	0.00	38.27	0	07:12	0
4.19 0.052						
P09B000352	JUNCTION	0.00	34.39	0	07:14	0
3.45 0.028						
P09B000373	JUNCTION	0.00	34.39	0	07:14	0
3.45 0.024						
P09B000411	JUNCTION	0.00	19.64	0	07:12	0
1.18 0.001						
P09B000449	JUNCTION	6.41	44.65	0	07:12	0.384
4.57 0.024						
P09B000471	JUNCTION	0.00	34.39	0	07:14	0
3.45 0.007						
P09B000491	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09B000504	JUNCTION	0.07	58.04	0	06:46	0.00742
15.7 0.052						
P09B000505A	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09B000505B	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09B000505C	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09B000505D	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09B000505E	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09B000505F	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09B000506	JUNCTION	0.00	0.04	0	00:02	0
0.0323 0.078						
P09B000507	JUNCTION	0.00	0.09	0	06:58	0
0.0725 0.156						
P09B000515	JUNCTION	0.00	57.69	0	06:52	0
15.7 0.049						
P09B000573	JUNCTION	0.00	0.04	0	00:05	0
0.0323 0.124						
P09B000702	JUNCTION	3.27	84.19	0	09:59	0.196
5.74 -0.455						
P09B000707A	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						

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P09B000731	JUNCTION	0.00	19.64	0	07:12	0
1.18 0.002						
P09B000734	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09B000749	JUNCTION	0.00	1.71	0	06:47	0
0.0126 -0.407						
P09B000749a	JUNCTION	0.00	1.67	0	06:47	0
0.0134 -0.071						
P09B000752	JUNCTION	0.00	1.65	0	06:47	0
0.021 0.021						
P09B000780A	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09B000780B	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09B000780C	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09B000782	JUNCTION	6.07	6.07	0	07:12	0.364
0.364 -0.000						
P09B000789	JUNCTION	0.00	38.76	0	06:36	0
4.05 -0.012						
P09B000801	JUNCTION	0.00	16.04	0	06:27	0
2.29 0.039						
P09B000804	JUNCTION	0.00	19.63	0	07:12	0
1.18 0.006						
P09B000815A	JUNCTION	0.00	64.03	0	07:07	0
2.83 0.003						
P09B000815B	JUNCTION	0.00	64.30	0	07:07	0
2.84 0.011						
P09B000815D	JUNCTION	0.00	16.97	0	07:07	0
0.352 -0.336						
P09B000826B	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09B000826C	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09B000826D	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09B000826E	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09B000826G	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09B000831	JUNCTION	9.61	29.24	0	07:12	0.576
1.76 -0.003						
P09B000866	JUNCTION	0.00	29.24	0	07:12	0
1.76 0.001						
P09B000874	JUNCTION	0.00	36.79	0	12:30	0
11.7 0.013						
P09B000898	JUNCTION	0.00	87.07	0	06:16	0
22.8 -0.504						
P09B000901	JUNCTION	0.92	0.92	0	06:59	0.0882
0.0882 0.010						
P09B000904A	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09B000910	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09B000910B	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09B000910C	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09B000910H	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09B000964	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						

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P09B000983	JUNCTION	0.09	0.09	0	00:00	0.0727
0.0727 0.038						
P09B001008	JUNCTION	0.18	1.10	0	07:13	0.0297
0.118 0.029						
P09B001025A	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09B001025B	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09B001025C	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09B001025D	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09B001025E	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09B001029	JUNCTION	0.00	58.80	0	06:48	0
15.7 0.101						
P09B001031	JUNCTION	0.00	1.11	0	07:09	0
0.118 0.007						
P09B001039	JUNCTION	0.15	58.07	0	06:45	0.0166
15.7 0.141						
P09B001051	JUNCTION	0.00	0.09	0	00:02	0
0.0727 0.071						
P09B001078a	JUNCTION	0.00	1.10	0	07:09	0
0.118 0.793						
P09B001078b	JUNCTION	0.00	1.11	0	07:09	0
0.118 -0.630						
P09B001083	JUNCTION	0.04	0.04	0	00:00	0.0323
0.0323 0.045						
P09B001098	JUNCTION	0.00	0.09	0	00:04	0
0.0726 0.090						
P09B001118	JUNCTION	0.00	57.79	0	06:49	0
15.7 0.060						
P09B019193	JUNCTION	0.00	35.38	0	07:11	0
2.13 -0.029						
P09B019195	JUNCTION	0.00	1.08	1	05:38	0
0.000286 2.305						
P09B019196	JUNCTION	0.00	2.05	1	05:38	0
0.00121 6.677						
P09B019197	JUNCTION	0.00	44.65	0	07:12	0
4.83 0.041						
P09B019198	JUNCTION	0.00	7.75	0	07:12	0
0.294 0.054						
P09B019199	JUNCTION	0.00	45.01	0	07:14	0
3.74 0.504						
P09B019200	JUNCTION	0.00	15.77	0	06:27	0
2.27 0.021						
P09B019202a	JUNCTION	0.00	15.77	0	06:38	0
1.93 0.009						
P09B019203	JUNCTION	0.00	31.10	0	12:34	0
9.75 0.010						
P09B019207	JUNCTION	0.00	36.98	0	12:30	0
11.7 0.040						
P09B019208	JUNCTION	0.00	64.43	0	06:39	0
15.7 -0.282						
P09B019210	JUNCTION	0.00	38.75	0	06:36	0
4.05 0.041						
P09B019212	JUNCTION	0.00	38.75	0	06:36	0
4.05 0.052						
P09B019214	JUNCTION	0.00	68.83	0	07:11	0
2.65 -0.003						
P09B019216	JUNCTION	0.00	68.48	0	07:12	0
2.65 -0.001						

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P09B019217	JUNCTION	0.00	68.47	0	07:12	0
2.65 -0.003						
P09B019219	JUNCTION	0.00	0.08	0	07:08	0
0.000227 0.145						
P09B019222	JUNCTION	0.00	68.43	0	07:12	0
2.66 -0.001						
P09B019727	JUNCTION	0.00	38.76	0	06:36	0
4.05 0.016						
P09B020765	JUNCTION	0.06	1.20	0	07:08	0.0066
0.127 -0.055						
P09B020767	JUNCTION	0.00	1.21	0	07:08	0
0.128 -0.048						
P09B020768	JUNCTION	0.00	1.21	0	07:08	0
0.129 0.019						
P09B020772	JUNCTION	0.00	58.49	0	06:53	0
15.8 0.024						
P09B020773	JUNCTION	0.00	2.16	0	06:38	0
0.129 0.000						
P09B020882	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09B020883	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09B020884	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09B020886	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09C001119	JUNCTION	0.05	58.59	0	06:53	0.00543
15.9 0.074						
P09C001146A	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09C001146B	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09C001146C	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09C001146D	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09C001154	JUNCTION	0.00	0.04	0	06:46	0
0.0322 0.117						
P09C001185	JUNCTION	0.14	57.54	0	06:54	0.0156
15.9 -0.002						
P09C001215	JUNCTION	0.11	0.11	0	00:00	0.0889
0.0889 0.018						
P09C001239	JUNCTION	0.00	0.67	0	06:59	0
0.089 0.008						
P09C001241	JUNCTION	0.00	0.32	0	06:59	0
0.0888 0.018						
P09C001247	JUNCTION	0.01	56.66	0	06:53	0.000814
16 0.022						
P09C001280	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09C001283	JUNCTION	0.00	0.06	0	07:00	0
0.00805 0.051						
P09C001305	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09C001315	JUNCTION	0.00	56.81	0	06:55	0.000271
16 0.040						
P09C001343	JUNCTION	0.00	56.27	0	06:57	0
16 0.028						
P09C001399	JUNCTION	0.01	55.19	0	06:57	0.00127
16 0.023						
P09C001461	JUNCTION	0.00	58.03	0	06:57	0
16.2 0.116						

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P09C021287	JUNCTION	0.00	1.99	0	06:58	0
0.0112 0.088						
P09D000577	JUNCTION	0.00	0.01	0	00:02	0
0.00807 0.038						
P09D000589	JUNCTION	0.00	14.93	0	07:12	0
0.788 0.016						
P09D000620	JUNCTION	0.02	54.62	0	06:59	0.00208
16.3 0.293						
P09D000622	JUNCTION	0.00	14.93	0	07:12	0
0.788 -0.025						
P09D001120	JUNCTION	0.00	0.01	0	22:47	0
0.00807 0.047						
P09D001155	JUNCTION	0.00	0.01	0	00:08	0
0.00806 0.034						
P09D001193	JUNCTION	0.00	0.01	0	00:09	0
0.00806 0.052						
P09D001244	JUNCTION	0.00	0.01	0	00:32	0
0.00806 0.043						
P09D001270	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09D001278A	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09D001300	JUNCTION	3.25	3.25	0	07:13	0.223
0.223 0.003						
P09D001316	JUNCTION	0.00	0.24	0	06:27	0
0.000424 0.510						
P09D001322	JUNCTION	6.07	6.08	0	06:35	0.33
0.331 -0.013						
P09D001324	JUNCTION	0.00	0.31	0	06:27	0
0.00115 0.045						
P09D001335	JUNCTION	0.00	6.08	0	06:35	0
0.33 0.181						
P09D001372	JUNCTION	0.00	3.25	0	07:14	0
0.223 0.019						
P09D001383	JUNCTION	0.00	6.08	0	06:35	0
0.329 0.018						
P09D001389AA	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09D001389B	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09D001396	JUNCTION	0.02	3.24	0	07:14	0.00235
0.225 0.206						
P09D001421	JUNCTION	0.00	6.08	0	06:36	0
0.329 -0.038						
P09D001462	JUNCTION	0.00	6.07	0	06:37	0
0.329 0.597						
P09D001466	JUNCTION	0.00	6.07	0	06:40	0
0.327 0.065						
P09D001573	JUNCTION	0.13	0.20	0	06:46	0.00935
0.00946 0.589						
P09D001581	JUNCTION	0.01	56.58	0	06:57	0.000724
16.2 0.174						
P09D001620	JUNCTION	14.81	14.93	0	07:12	0.779
0.788 0.004						
P10A000251	JUNCTION	0.00	19.15	0	07:12	0
1.15 0.004						
P10A000278A	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P10A000278B	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P10A000278C	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						

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P10A000278E	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P10A000342	JUNCTION	0.17	25.01	0	08:41	0.134
7.44 0.175						
P10A000344	JUNCTION	0.00	19.15	0	07:12	0
1.15 -0.000						
P10A000351	JUNCTION	0.00	19.15	0	07:12	0
1.15 0.013						
P10A000354	JUNCTION	0.00	19.24	0	07:08	0
1.15 0.078						
P10A000356	JUNCTION	0.00	19.15	0	07:13	0
1.15 0.160						
P10A000358	JUNCTION	0.00	19.15	0	07:12	0
1.15 -0.001						
P10A000368	JUNCTION	0.00	25.01	0	08:41	0
7.43 0.051						
P10A000412	JUNCTION	0.00	25.01	0	08:41	0
7.43 0.055						
P10A000452	JUNCTION	0.00	25.01	0	08:41	0.000181
7.43 0.183						
P10A000693	JUNCTION	0.00	30.21	0	06:26	0
1.38 -0.300						
P10A000750	JUNCTION	0.42	25.01	0	08:41	0.107
7.54 0.293						
P10A000809	JUNCTION	0.00	34.28	0	06:38	0
1.89 -1.422						
P10A000843	JUNCTION	0.00	31.07	0	12:31	0
9.78 0.139						
P10A019204	JUNCTION	0.00	31.16	0	12:31	0
9.75 0.017						
P10A019215	JUNCTION	0.00	72.29	0	07:12	0
2.65 -0.017						
P10A019221	JUNCTION	0.00	68.49	0	07:12	0
2.66 -0.004						
P16A000688	JUNCTION	0.00	24.30	0	07:08	0
0.79 0.363						
P16A001638	JUNCTION	0.01	55.19	0	06:58	0.000724
16.3 0.173						
P16A001641	JUNCTION	0.00	124.56	0	07:12	0
9.82 0.013						
P16A001669	JUNCTION	0.00	26.12	0	06:42	0
4.68 0.010						
P16A001675	JUNCTION	0.00	26.14	0	06:42	0
4.68 0.003						
P16A001677	JUNCTION	0.00	26.38	0	06:45	0
4.74 0.016						
P16A001695	JUNCTION	0.00	56.46	0	06:58	0.000181
16.3 0.121						
P16A001696	JUNCTION	0.00	26.36	0	06:45	0
4.23 0.029						
P16A001733	JUNCTION	0.00	26.36	0	06:45	0
4.23 0.054						
P16A001733a	JUNCTION	0.00	26.39	0	06:45	0
4.23 0.158						
P16A001750	JUNCTION	0.00	55.49	0	06:58	0
16.3 0.177						
P16A001798	JUNCTION	0.00	73.79	0	06:53	0
21.9 0.135						
P16A001910	JUNCTION	0.00	71.37	0	06:54	0.000271
21.8 0.225						
P16A002632B	JUNCTION	0.00	132.98	0	07:10	0
6.37 0.001						

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P17A001783	JUNCTION	5.34	5.34	0	07:12	0.32
0.32 -0.022						
P17A001824	JUNCTION	5.34	10.68	0	07:12	0.32
0.64 0.017						
P17A001889	JUNCTION	6.07	16.74	0	07:12	0.83
1.47 0.075						
P17A001940	JUNCTION	8.92	8.92	0	07:12	0.535
0.535 -0.002						
P17A001956	JUNCTION	5.34	22.03	0	07:12	0.32
1.79 0.028						
P17A001973	JUNCTION	0.00	8.92	0	07:12	0
0.535 -0.000						
P17A001991	JUNCTION	5.56	27.57	0	07:12	0.352
2.14 0.023						
P17A001997	JUNCTION	0.00	8.92	0	07:12	0
0.535 -0.003						
P17A002037	JUNCTION	0.00	8.92	0	07:12	0
0.535 -0.004						
P17A002050	JUNCTION	0.00	27.56	0	07:12	0
2.14 0.028						
P17B000669	JUNCTION	0.00	124.56	0	07:12	0
9.82 0.011						
P17B000678	JUNCTION	0.53	0.53	0	07:12	0.0291
0.0291 -0.013						
P17B000680	JUNCTION	0.00	0.53	0	07:12	0
0.0291 -0.003						
P17B000682	JUNCTION	0.00	0.53	0	07:12	0
0.0291 -0.005						
P17B000683	JUNCTION	0.00	0.53	0	07:13	0
0.0291 0.082						
P17B000684	JUNCTION	0.00	0.53	0	07:12	0
0.0291 -0.007						
P17B001699	JUNCTION	0.00	2.13	0	07:12	0
0.125 0.001						
P17B001705	JUNCTION	1.80	3.93	0	07:12	0.108
0.233 -0.004						
P17B001720	JUNCTION	0.00	2.13	0	07:12	0
0.125 0.003						
P17B001748	JUNCTION	9.47	13.41	0	07:12	0.568
0.801 0.000						
P17B001758	JUNCTION	0.00	13.41	0	07:12	0
0.801 -0.009						
P17B001791	JUNCTION	0.00	13.41	0	07:12	0
0.801 0.002						
P17B001830	JUNCTION	0.00	13.41	0	07:12	0
0.801 0.000						
P17B001863	JUNCTION	5.27	5.27	0	07:12	0.316
0.316 0.026						
P17B001882	JUNCTION	0.00	13.41	0	07:12	0
0.801 0.003						
P17B001906	JUNCTION	0.00	13.41	0	07:12	0
0.801 0.002						
P17B001907	JUNCTION	0.00	5.27	0	07:12	0
0.316 -0.042						
P17B001919	JUNCTION	0.00	13.41	0	07:13	0
0.801 0.002						
P17B001934	JUNCTION	0.00	18.68	0	07:12	0
1.12 0.054						
P17B001953	JUNCTION	1.15	69.73	0	06:54	0.124
21.9 0.186						
P17B001958	JUNCTION	7.87	7.87	0	07:12	0.472
0.472 -0.001						

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P17B001964	JUNCTION	0.00	7.87	0	07:12	0
0.472 -0.004						
P17B001986	JUNCTION	4.48	4.48	0	07:12	0.272
0.272 -0.003						
P17B001990	JUNCTION	10.17	36.72	0	07:12	0.72
2.31 -0.009						
P17B002018	JUNCTION	0.00	67.21	0	07:00	0
21.9 0.155						
P17B002034	JUNCTION	0.00	41.15	0	07:12	0
2.58 0.009						
P17B002039B	JUNCTION	0.00	35.55	0	07:12	0
1.64 -0.001						
P17B002039D	JUNCTION	0.00	35.55	0	07:13	0
1.64 -0.000						
P17B002039E	JUNCTION	0.00	35.54	0	07:13	0
1.64 0.002						
P17B002041	JUNCTION	0.00	5.80	0	06:10	0
0.943 0.008						
P17C002064	JUNCTION	0.00	5.61	0	07:12	0
0.957 0.004						
P17C002075	JUNCTION	0.07	5.61	0	07:13	0.00796
0.965 0.012						
P17C002084	JUNCTION	0.00	5.61	0	07:12	0
0.965 0.015						
P17C002088	JUNCTION	0.00	64.03	0	07:01	0
21.8 0.004						
P17C002117	JUNCTION	0.00	35.54	0	07:13	0
1.64 0.004						
P17C002118	JUNCTION	0.00	63.29	0	07:04	0
21.8 0.026						
P17C002118a	JUNCTION	0.00	63.45	0	07:04	0
21.8 0.024						
P17C002123	JUNCTION	0.00	68.76	0	07:04	0
22.8 0.025						
P17C002145	JUNCTION	0.63	68.47	0	07:04	0.0682
22.9 0.120						
P17C002184	JUNCTION	0.01	67.51	0	07:05	0.000724
22.8 0.145						
P17C002222	JUNCTION	0.00	66.84	0	07:06	0
22.8 0.038						
P17D002067	JUNCTION	0.00	8.92	0	07:12	0
0.535 0.005						
P17D002086	JUNCTION	0.00	8.92	0	07:12	0
0.535 0.014						
P17D002092	JUNCTION	0.00	32.79	0	07:12	0
2.46 0.006						
P17D002097	JUNCTION	5.34	32.80	0	07:12	0.32
2.46 0.013						
P17D002108	JUNCTION	0.00	41.70	0	07:12	0
2.99 0.008						
P17D002119	JUNCTION	1.60	43.28	0	07:12	0.0958
3.09 0.003						
P17D002143	JUNCTION	0.00	12.52	0	07:12	0
0.782 0.031						
P17D002148	JUNCTION	0.00	43.28	0	07:13	0
3.09 0.005						
P17D002158	JUNCTION	0.00	61.44	0	07:13	0
3.14 -0.007						
P17D002158A	JUNCTION	0.00	61.44	0	07:13	0
3.14 -0.007						
P17D002158B	JUNCTION	0.00	61.44	0	07:13	0
3.14 -0.004						

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P17D002158C	JUNCTION	0.00	61.42	0	07:14	0
3.14 0.038						
P17D002182	JUNCTION	0.00	9.69	0	07:14	0
1.71 0.057						
P17D002186	JUNCTION	0.00	15.47	0	07:13	0
0.985 -0.017						
P17D002212	JUNCTION	0.00	9.69	0	07:14	0
1.71 0.037						
P17D002217	JUNCTION	0.00	9.69	0	07:15	0
1.71 0.016						
P17D002240	JUNCTION	0.00	15.51	0	07:12	0
0.985 0.016						
P17D002248	JUNCTION	0.00	9.69	0	07:15	0
1.71 0.052						
P17D002255	JUNCTION	1.95	15.52	0	07:12	0.164
0.985 -0.005						
P17D002270	JUNCTION	0.00	208.84	0	07:48	0
33.1 -0.091						
P17D002270a	JUNCTION	0.00	61.39	0	07:15	0
3.14 0.033						
P17D002270b	JUNCTION	0.00	61.39	0	07:15	0
3.14 0.036						
P17D002274	JUNCTION	0.00	262.50	0	07:49	0
34.9 -0.046						
P17D002284	JUNCTION	7.81	13.57	0	07:12	0.467
0.821 0.005						
P17D002312	JUNCTION	0.00	95.38	0	07:46	0
24.5 -1.625						
P17D002365	JUNCTION	0.00	84.89	0	07:46	0
25 0.153						
P17D002411	JUNCTION	0.03	83.09	0	07:52	0.00353
24.9 0.160						
P18A001822	JUNCTION	0.27	0.27	0	07:30	0.0995
0.0995 0.076						
P18A001827	JUNCTION	9.28	43.05	0	07:12	0.557
4.32 0.134						
P18A001873	JUNCTION	0.73	0.98	0	07:12	0.0439
0.143 0.113						
P18A001887_019-07FT	JUNCTION	0.00	0.98	0	07:12	0
0.143 0.167						
P18A001915	JUNCTION	1.13	2.12	0	07:12	0.0682
0.211 0.306						
P18A001969	JUNCTION	0.00	2.11	0	07:12	0
0.21 0.040						
P18A001992	JUNCTION	0.00	0.76	0	08:00	0
0.172 0.058						
P18A001993	JUNCTION	0.00	0.76	0	08:00	0
0.172 0.206						
P18A001994	JUNCTION	2.35	3.02	0	07:32	0.387
0.559 0.090						
P18A001995	JUNCTION	4.14	8.91	0	07:12	0.249
1.02 0.121						
P18A001996	JUNCTION	0.00	3.01	0	07:33	0
0.558 0.133						
P18A002000	JUNCTION	0.00	8.87	0	07:12	0
1.02 0.090						
P18A002006	JUNCTION	0.00	51.55	0	07:12	0
5.32 0.066						
P18B000673	JUNCTION	0.00	34.69	0	07:19	0
3.76 0.045						
P18B001651	JUNCTION	0.00	34.69	0	07:19	0
3.76 0.031						

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P18B001729	JUNCTION	0.00	34.69	0	07:20	0
3.76 0.043						
P18B001767	JUNCTION	0.00	34.68	0	07:20	0
3.76 0.048						
P18C002310	JUNCTION	1.92	5.79	0	07:12	0.121
0.353 -0.011						
P18C002353	JUNCTION	3.87	3.87	0	07:12	0.232
0.232 -0.000						
P18C002392	JUNCTION	0.00	73.60	0	07:16	0
6.64 0.026						
P18C002393	JUNCTION	0.00	78.77	0	07:16	0
6.64 0.036						
P18C002395	JUNCTION	0.00	72.48	0	07:17	0
6.63 0.018						
P18C002396	JUNCTION	8.74	89.00	0	07:15	0.525
6.64 0.018						
P18C002397	JUNCTION	0.00	72.26	0	07:17	0
6.63 0.011						
P18C002410	JUNCTION	0.00	78.42	0	07:17	0
7.04 0.044						
P18D002169	JUNCTION	6.41	57.58	0	07:12	0.385
5.71 0.144						
P18D002313	JUNCTION	0.00	57.18	0	07:13	0
5.7 0.094						
P18D002388	JUNCTION	1.80	60.41	0	07:16	0.108
5.8 0.030						
P18D002394	JUNCTION	0.00	102.52	0	07:13	0
6.11 0.017						
P18D002408	JUNCTION	3.44	3.44	0	07:12	0.233
0.233 0.020						
P18D002409	JUNCTION	0.00	4.85	0	07:12	0
0.317 0.010						
P19A001837	JUNCTION	1.40	1.40	0	06:39	0.0842
0.0842 -0.045						
P19A002497	JUNCTION	6.81	6.81	0	06:40	0.409
0.409 -0.060						
P19B001847	JUNCTION	0.00	22.76	0	07:00	0
4.67 0.011						
P19B002413	JUNCTION	0.00	78.71	0	07:17	0
7.04 0.015						
P19B002414	JUNCTION	0.00	6.81	0	07:04	0
0.409 0.048						
P19B002415	JUNCTION	0.00	154.89	0	07:12	0
7.04 -0.073						
P19B002431	JUNCTION	0.00	6.81	0	06:55	0
0.409 -0.049						
P19B002435	JUNCTION	0.00	6.81	0	06:55	0
0.409 0.011						
P19B002440	JUNCTION	0.00	22.75	0	07:00	0
4.67 0.029						
P19B002440a	JUNCTION	0.00	22.78	0	07:00	0
4.67 0.027						
P19B002444	JUNCTION	0.00	73.33	0	07:12	0
3.43 -0.005						
P19B002445	JUNCTION	0.00	72.69	0	07:13	0
3.43 -0.004						
P19B002451	JUNCTION	0.00	6.81	0	06:55	0
0.409 -0.014						
P19B002464	JUNCTION	0.00	72.49	0	07:13	0
3.43 0.004						
P19B002465	JUNCTION	0.00	6.81	0	06:22	0
0.409 0.057						

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P19B002467	JUNCTION	0.00	72.37	0	07:13	0
3.43 -0.001						
P19B002469	JUNCTION	0.00	72.35	0	07:13	0
3.43 0.023						
P19B002473	JUNCTION	0.24	22.67	0	07:13	0.0253
4.69 0.027						
P19B002474	JUNCTION	0.00	22.65	0	07:13	0
4.69 0.061						
P20A002417	JUNCTION	0.02	81.89	0	07:53	0.00262
24.9 0.150						
P20A002439	JUNCTION	0.00	77.27	0	07:54	0
24.9 0.134						
P20A002448	JUNCTION	0.00	77.76	0	07:54	0
24.9 0.033						
P20A002450	JUNCTION	0.00	77.49	0	07:54	0.000452
24.9 0.037						
P20A002461	JUNCTION	0.00	77.66	0	07:54	0
24.9 0.037						
P20A002466	JUNCTION	0.00	77.41	0	07:55	0
24.9 0.028						
P20A002471	JUNCTION	0.00	72.14	0	07:14	0
3.43 -0.158						
P20A002471A	JUNCTION	0.00	71.84	0	07:15	0
3.44 0.005						
P20A002475	JUNCTION	0.00	22.62	0	07:02	0
4.69 0.063						
P20A002476	JUNCTION	0.00	22.63	0	07:03	0
4.68 0.089						
P20A002500	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P20A002502	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
PL9	JUNCTION	0.00	99.12	0	07:55	0
29.6 0.029						
R09B019188	JUNCTION	0.00	34.40	0	07:13	0
3.45 0.031						
R09B019191	JUNCTION	0.00	4.67	0	07:12	0
0.28 -0.016						
R26A009631	JUNCTION	0.00	5.39	0	08:00	0
1.05 0.014						
R26A009636	JUNCTION	0.00	5.39	0	08:01	0
1.05 0.043						
R26A009639	JUNCTION	0.00	5.39	0	08:01	0
1.05 0.020						
R26A009666	JUNCTION	0.00	5.39	0	08:01	0
1.05 0.045						
R26A009687	JUNCTION	0.00	5.39	0	08:01	0
1.05 0.020						
R26A009710	JUNCTION	0.00	5.39	0	08:02	0
1.05 0.015						
R26A009719	JUNCTION	0.00	5.39	0	08:02	0
1.05 0.030						
R26B009601	JUNCTION	0.05	0.05	0	07:52	0.00455
0.00455 -0.036						
R26B009649	JUNCTION	0.05	0.09	0	07:54	0.00455
0.00911 0.006						
R26B009686	JUNCTION	0.05	0.14	0	07:56	0.00455
0.0137 -0.015						
R26B009722	JUNCTION	0.05	0.18	0	07:58	0.00455
0.0182 -0.004						
R26B009745	JUNCTION	0.05	0.23	0	08:01	0.00455
0.0228 0.007						

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R26B009784	JUNCTION	0.05	0.27	0	08:04	0.00455
0.0273 -0.043						
R26B009829	JUNCTION	0.05	0.32	0	08:06	0.00455
0.0319 0.049						
R26C0010000	JUNCTION	0.05	0.45	0	08:13	0.00455
0.0455 0.002						
R26C009890	JUNCTION	0.05	0.36	0	08:10	0.00455
0.0364 -0.006						
R26C009940	JUNCTION	0.05	0.41	0	08:11	0.00455
0.041 -0.000						
R26C010039	JUNCTION	0.05	0.50	0	08:15	0.00455
0.0501 0.003						
R26C010072	JUNCTION	0.05	0.54	0	08:17	0.00455
0.0546 -0.008						
R26C010109	JUNCTION	0.05	0.59	0	08:18	0.00455
0.0592 0.010						
R26C010147	JUNCTION	0.35	0.35	0	08:11	0.0881
0.0881 0.049						
R26C010149	JUNCTION	0.00	1.25	0	08:17	0
0.483 -0.000						
R26C010152	JUNCTION	0.00	1.25	0	08:17	0
0.486 1.013						
R26C010154	JUNCTION	0.52	0.91	0	08:20	0.336
0.396 0.086						
R26D010137	JUNCTION	0.00	9.17	0	08:39	0
2.46 0.028						
R26D010148	JUNCTION	0.00	9.17	0	08:40	0
2.46 0.017						
R26D010175	JUNCTION	0.00	9.17	0	08:40	0
2.46 0.009						
R26D010186	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
R26D010219	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
R26D010220	JUNCTION	0.00	9.17	0	08:40	0
2.46 0.019						
R27B009543	JUNCTION	0.00	6.44	0	08:03	0
1.05 -0.005						
R27B009549	JUNCTION	0.00	5.48	0	08:03	0
1.05 0.023						
R27B009572	JUNCTION	0.00	5.41	0	08:03	0
1.05 0.035						
R27B009598	JUNCTION	0.00	5.39	0	07:56	0
1.05 0.033						
R27B009613	JUNCTION	0.00	5.39	0	08:00	0
1.05 0.041						
R27B009617	JUNCTION	0.00	5.39	0	08:00	0
1.05 0.033						
R27B009743	JUNCTION	0.00	5.39	0	08:02	0
1.05 0.052						
R27B009779	JUNCTION	0.00	5.39	0	08:02	0
1.05 0.040						
R27B009813	JUNCTION	0.00	5.39	0	08:03	0
1.05 0.028						
R27B009820	JUNCTION	0.00	5.39	0	08:03	0
1.05 0.019						
R27C009857	JUNCTION	0.00	5.39	0	08:03	0
1.05 0.011						
R27C009862	JUNCTION	0.00	5.39	0	08:03	0
1.05 0.040						
R27C009909	JUNCTION	0.00	5.39	0	08:04	0
1.04 0.067						

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R27C009928	JUNCTION	0.00	5.39	0	08:04	0
1.04 0.057						
R27C009947	JUNCTION	0.00	4.66	0	09:44	0
1.43 0.227						
R27C009948	JUNCTION	0.00	5.85	0	09:43	0
1.43 0.018						
R27C009949	JUNCTION	0.00	4.57	0	09:46	0
1.43 0.119						
R27C009953	JUNCTION	0.00	4.57	0	09:47	0
1.43 0.121						
R27C009955	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
R27C009956	JUNCTION	0.00	2.27	0	09:50	0
1.11 0.039						
R27C009957	JUNCTION	0.00	4.57	0	09:50	0
1.42 0.027						
R27C009957b	JUNCTION	0.00	4.57	0	09:50	0
1.42 0.026						
R27C009960	JUNCTION	0.00	5.39	0	08:05	0
1.04 0.074						
R27C009996	JUNCTION	0.00	5.38	0	08:06	0
1.04 0.080						
R27C010014	JUNCTION	0.00	5.38	0	08:07	0
1.04 0.010						
R27C010016	JUNCTION	0.00	9.17	0	08:37	0
2.47 0.027						
R27C010040	JUNCTION	0.00	9.17	0	08:38	0
2.46 0.082						
R27C010083	JUNCTION	0.00	9.17	0	08:39	0
2.46 0.058						
R27D009959	JUNCTION	4.57	4.57	0	09:43	1.43
1.43 0.019						
R27D009961	JUNCTION	0.00	4.59	0	09:43	0
1.43 0.029						
R33A006630	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
R33B010423	JUNCTION	0.13	0.13	0	07:12	0.00799
0.00799 -0.041						
R33B010443	JUNCTION	0.60	0.60	0	07:12	0.036
0.036 -0.001						
R33B010450	JUNCTION	0.00	0.13	0	07:12	0
0.008 0.021						
R33B010472	JUNCTION	0.00	0.13	0	07:12	0
0.008 -0.023						
R33B010479	JUNCTION	0.00	0.60	0	07:12	0
0.036 -0.037						
R33B010482	JUNCTION	1.40	1.40	0	07:12	0.0838
0.0838 -0.001						
R33B010483	JUNCTION	0.00	1.83	0	09:53	0
0.463 0.094						
R33B010484	JUNCTION	0.00	1.74	0	09:54	0
0.427 0.049						
R33B010485	JUNCTION	1.72	1.72	0	09:53	0.42
0.42 0.084						
R33B010507	JUNCTION	0.00	1.91	0	09:55	0
0.494 0.074						
R33B010508	JUNCTION	0.00	1.91	0	09:55	0
0.494 0.045						
R33B010509	JUNCTION	0.00	1.91	0	09:53	0
0.495 0.123						
R33B010511	JUNCTION	0.00	0.53	0	07:12	0
0.032 -0.051						

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R33B010512	JUNCTION	0.53	0.53	0	07:12	0.032
0.032 -0.019						
R33B010515	JUNCTION	4.46	6.59	0	09:47	1.18
1.76 0.078						
R33B010535	JUNCTION	0.00	6.88	0	09:47	0
1.87 0.048						
R33B010536	JUNCTION	1.87	1.87	0	07:12	0.112
0.112 -0.001						
R33B019450	JUNCTION	0.00	0.60	0	07:12	0
0.036 0.038						
R33C006678	JUNCTION	0.00	6.88	0	09:48	0
1.87 0.039						
R33C006974	JUNCTION	0.00	17.30	0	07:02	0
2.57 0.091						
R33C007196	JUNCTION	0.00	3.25	0	07:12	0
0.191 0.001						
R33C010609	JUNCTION	0.00	7.30	0	07:00	0
1.97 0.060						
R33C010610	JUNCTION	1.73	1.73	0	07:12	0.104
0.104 -0.000						
R33C010627	JUNCTION	1.53	8.83	0	07:00	0.0919
2.06 0.074						
R33C010652	JUNCTION	0.00	14.43	0	07:01	0
2.4 0.062						
R33C010653	JUNCTION	0.00	5.60	0	07:13	0
0.336 0.020						
R33C010654	JUNCTION	0.00	5.60	0	07:12	0
0.336 0.005						
R33C010655	JUNCTION	0.00	5.60	0	07:12	0
0.336 -0.004						
R33C010656	JUNCTION	0.00	5.60	0	07:12	0
0.336 -0.004						
R33C010657	JUNCTION	0.00	5.60	0	07:12	0
0.336 -0.005						
R33C010660	JUNCTION	5.60	5.60	0	07:12	0.336
0.336 -0.013						
R33C010724	JUNCTION	0.00	2.87	0	07:12	0
0.172 -0.034						
R33C010727	JUNCTION	2.87	2.87	0	07:12	0.172
0.172 -0.000						
R33C010805	JUNCTION	0.00	3.20	0	07:12	0
0.191 0.000						
R33C010806	JUNCTION	0.00	3.20	0	07:12	0
0.192 0.356						
R33C010807	JUNCTION	0.00	3.20	0	07:12	0
0.191 0.013						
R33C010808	JUNCTION	0.00	3.20	0	07:12	0
0.192 0.018						
R33C010811	JUNCTION	3.20	3.20	0	07:12	0.192
0.192 -0.004						
R33D006698	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
R33D006805	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
R33D006887	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
R33D006973	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
R33D006982	JUNCTION	0.00	17.30	0	07:03	0
2.56 0.082						
R33D007082	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						

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R33D007083	JUNCTION	0.00	17.29	0	07:04	0
2.56 0.116						
R33D007183	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
R33D007189	JUNCTION	0.00	20.49	0	07:06	0
2.75 0.109						
R33D007193	JUNCTION	0.00	20.50	0	07:06	0
2.75 0.026						
R33D007194	JUNCTION	0.00	20.50	0	07:05	0
2.75 0.050						
R33D007202	JUNCTION	0.00	20.49	0	07:08	0
2.74 0.035						
R33D020934	JUNCTION	0.00	20.50	0	07:06	0
2.75 0.027						
R34A010366	JUNCTION	2.42	2.42	0	07:12	0.147
0.147 -0.001						
R34A010398	JUNCTION	0.00	2.42	0	07:12	0
0.147 -0.003						
R34A010413	JUNCTION	0.00	2.42	0	07:12	0
0.147 -0.004						
R34A010416	JUNCTION	0.00	2.42	0	07:12	0
0.147 0.008						
R34A010421	JUNCTION	0.00	2.42	0	07:13	0
0.147 -0.004						
R34A010461	JUNCTION	0.00	3.33	0	07:32	0
0.904 0.045						
R34A010493	JUNCTION	0.00	3.33	0	07:33	0
0.903 0.036						
R34A010503	JUNCTION	0.00	3.32	0	07:33	0
0.903 0.021						
R34A010518	JUNCTION	0.00	3.32	0	07:34	0
0.902 0.042						
R34A020821	JUNCTION	0.00	3.32	0	07:35	0
0.902 0.032						
R34A020822	JUNCTION	0.00	3.32	0	07:34	0
0.903 0.012						
R34A020823	JUNCTION	2.39	3.34	0	07:32	0.757
0.904 0.061						
R34D010550	JUNCTION	0.00	3.32	0	07:35	0
0.902 0.028						
R34D010600	JUNCTION	8.29	8.29	0	07:12	0.497
0.497 -0.066						
R34D010604	JUNCTION	0.00	3.32	0	07:35	0
0.902 0.046						
R34D010637	JUNCTION	1.54	8.59	0	07:12	0.413
0.91 0.074						
R34D010641	JUNCTION	0.00	3.32	0	07:36	0
0.901 0.050						
R34D010661	JUNCTION	0.00	8.58	0	07:12	0
0.91 0.030						
R34D010678	JUNCTION	0.00	8.57	0	07:13	0
0.909 0.091						
R34D010683	JUNCTION	0.00	3.31	0	07:37	0
0.9 0.099						
R34D010712	JUNCTION	8.84	17.39	0	07:12	0.53
1.44 0.020						
R34D010720	JUNCTION	0.00	3.31	0	07:39	0
0.899 0.045						
R34D010752	JUNCTION	0.00	17.38	0	07:12	0
1.44 0.015						
R34D010754	JUNCTION	1.54	17.68	0	07:13	0.413
1.85 0.048						

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R34D010755	JUNCTION	0.00	17.67	0	07:13	0
1.85 0.050						
R34D010756	JUNCTION	3.48	21.10	0	07:12	0.208
2.06 0.039						
R34D010759	JUNCTION	0.00	31.63	0	07:12	0
3.41 0.028						
R34D010792	JUNCTION	1.54	31.91	0	07:12	0.413
3.83 0.019						
R34D010803	JUNCTION	0.00	31.90	0	07:12	0
3.83 0.011						
R35A010235	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
R35A010236	JUNCTION	0.00	9.17	0	08:40	0
2.46 0.020						
R35A010271	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
R35A010275	JUNCTION	0.00	9.17	0	08:41	0
2.46 0.022						
R35A010276	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
R35A010283	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
R35A010285	JUNCTION	0.00	9.17	0	08:41	0
2.46 0.017						
R35A010303	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
R35A010308	JUNCTION	0.00	9.17	0	08:41	0
2.46 0.020						
R35A010313	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
R35A010322	JUNCTION	0.00	9.17	0	08:42	0
2.46 0.029						
R35A010331	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
R35A010346	JUNCTION	0.00	9.17	0	08:42	0
2.46 0.026						
R35A010351	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
R35A010353	JUNCTION	0.00	9.17	0	08:43	0
2.46 0.003						
R35A010356	JUNCTION	0.00	9.17	0	08:43	0
2.46 0.013						
R35A010363	JUNCTION	0.00	9.17	0	08:43	0
2.46 0.011						
R35A010371	JUNCTION	0.00	9.17	0	08:43	0
2.46 0.019						
R35A010374	JUNCTION	0.00	9.17	0	08:44	0
2.45 0.021						
R35A010401	JUNCTION	3.88	14.05	0	08:32	1.11
4.05 0.127						
R35A010430	JUNCTION	0.00	14.04	0	08:33	0
4.04 0.068						
R35A010453	JUNCTION	0.00	14.04	0	08:34	0
4.04 0.071						
R35A010474	JUNCTION	0.00	14.04	0	08:34	0
4.03 0.078						
R35A010505	JUNCTION	0.00	14.04	0	08:36	0
4.03 0.063						
R35A010530	JUNCTION	0.00	14.03	0	08:36	0
4.03 0.062						
R35D010565	JUNCTION	0.00	14.03	0	08:37	0
4.03 0.063						

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R35D010605	JUNCTION	0.00	14.03	0	08:38	0
4.02 0.057						
R35D010624	JUNCTION	0.00	14.03	0	08:39	0
4.02 0.056						
R35D010651	JUNCTION	0.00	14.03	0	08:40	0
4.02 0.052						
R35D010674	JUNCTION	0.00	14.03	0	08:41	0
4.02 0.043						
R35D010698	JUNCTION	0.00	14.03	0	08:42	0
4.01 0.046						
R35D010717	JUNCTION	0.00	14.03	0	08:43	0
4.01 0.056						
R35D010749	JUNCTION	0.00	14.05	0	08:40	0
4.01 0.059						
R35D010788	JUNCTION	0.00	13.88	0	09:02	0
4.01 0.035						
R35D021071	JUNCTION	0.00	14.00	0	08:39	0
4.01 0.030						
RFMagReducer	JUNCTION	0.00	98.25	0	07:55	0
29.6 0.048						
SangerReg-Sanger	JUNCTION	0.00	43.96	0	07:13	0
3.1 -0.003						
SangerReg-WashE	JUNCTION	0.00	12.51	0	07:12	0
0.781 0.000						
SangerReg-WashW	JUNCTION	0.00	20.12	0	07:13	0
2.17 0.050						
S-CstoreHB	JUNCTION	0.00	26.19	0	06:38	0
1.92 -0.080						
SouthDiversionMH	JUNCTION	0.00	0.03	0	06:10	0
0.014 0.021						
SouthDiversionOF	JUNCTION	0.00	35.55	0	07:13	0
1.64 -0.003						
SouthDiversionUpstream	JUNCTION	0.02	0.02	0	00:00	0.0141
0.0141 0.739						
SpringReg	JUNCTION	0.00	60.67	0	07:12	0
6.32 -0.058						
StateReg	JUNCTION	0.00	3.24	0	07:14	0
0.223 0.002						
StormJunction	JUNCTION	7.67	7.67	0	07:12	0.459
0.459 0.000						
TF4	JUNCTION	0.00	41.90	0	06:34	0
1.9 -0.103						
WalnutReg	JUNCTION	0.00	0.01	0	08:29	0
0.00805 0.020						
WalnutSewerCrossing1	JUNCTION	0.00	60.11	0	06:51	0
16 0.005						
WalnutSewerCrossing2	JUNCTION	0.00	56.92	0	06:55	0
16 0.005						
WaterOF	JUNCTION	0.00	21.80	0	07:09	0
1.23 -0.000						
WWTPjunction	JUNCTION	0.00	145.53	0	12:19	0
59.8 0.000						
001	OUTFALL	0.00	0.00	0	00:00	0
0 0.000 gal						
003	OUTFALL	0.00	53.42	0	07:12	0
2.23 0.000						
006A	OUTFALL	0.00	46.77	0	07:09	0
2.49 0.000						
006B	OUTFALL	0.00	14.70	0	07:09	0
0.353 0.000						
007-03-09-OVERLANDtoSTORMSEWER	OUTFALL	1.33	1.33	0	07:12	0.08
0.08 0.000						

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007-03-12-OVERLANDtoSTORMSEWER	OUTFALL	1.13	1.13	0	07:12	0.0681
0.0681	0.000					
007-03-13-OVERLANDtoSTORMSEWER	OUTFALL	1.07	1.07	0	07:12	0.064
0.064	0.000					
007A	OUTFALL	0.00	68.45	0	07:12	0
2.66	0.000					
008	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
009	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
010	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
011	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
013	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
014	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
016	OUTFALL	0.00	130.57	0	07:12	0
6.36	0.000					
016-03-01-OVERLANDtoRIVER	OUTFALL	3.67	3.67	0	07:12	0.184
0.184	0.000					
017	OUTFALL	0.00	35.54	0	07:14	0
1.64	0.000					
017-02-05-OVERLANDtoRIVER	OUTFALL	0.60	0.60	0	07:12	0.036
0.036	0.000					
017-02-07-OVERLANDtoRIVER	OUTFALL	0.47	0.47	0	07:12	0.028
0.028	0.000					
017-02-08-OVERLANDtoRIVER	OUTFALL	0.80	0.80	0	07:12	0.048
0.048	0.000					
018	OUTFALL	0.00	61.39	0	07:15	0
3.14	0.000					
018-04-01-OVERLANDtoRIVER	OUTFALL	0.27	0.27	0	07:12	0.016
0.016	0.000					
018-05-01-OVERLANDtoRIVER	OUTFALL	0.93	0.93	0	07:12	0.0561
0.0561	0.000					
018-05-02-OVERLANDtoRIVER	OUTFALL	1.94	1.94	0	07:12	0.116
0.116	0.000					
019	OUTFALL	0.00	71.82	0	07:16	0
3.44	0.000					
020	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
1	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
WashingtonRoadOutfall	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
WetWeatherTreatment	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
WilcoxAve	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
WWTP	OUTFALL	0.00	145.53	0	12:19	0
59.8	0.000					
006-01LE_E-SWIRL	STORAGE	0.00	67.59	0	07:08	0
5.11	-0.071					
007-01LE_F-SWIRL	STORAGE	0.00	80.95	0	07:12	0
6.7	-0.030					
017-03FT_P17B002039	STORAGE	0.00	41.14	0	07:12	0
2.58	-0.004					
BypassPS	STORAGE	0.00	0.00	0	00:00	0
0	0.000 gal					
GritChamber	STORAGE	0.00	145.64	0	12:19	0
60.1	0.012					

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P04D008480	STORAGE	0.00	2.01	0	06:50	0
0.12 0.015						
P17B001657	STORAGE	1.60	2.13	0	07:12	0.096
0.125 -0.016						
RawSewagePS	STORAGE	0.00	145.53	0	12:19	0
59.8 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 Feet	Min. Depth Below Rim Feet
000-02LE_P16A001762	JUNCTION	1.13	0.487	4.453
000-03LE_P09B019209	JUNCTION	0.91	1.047	4.393
000-04LE_P10A019206	JUNCTION	5.43	1.356	5.594
000-05FT_P09C001302	JUNCTION	0.94	0.823	6.557
000-06FT_P03B010947	JUNCTION	1.74	3.117	9.233
007-04FT_P09B000789a	JUNCTION	1.56	2.841	8.879
017-04FT_P17C002116	JUNCTION	4.54	0.560	8.940
019-03FT_P19B002463	JUNCTION	0.78	0.046	8.154
CC2	JUNCTION	29.26	1.937	9.063
E-SWIRL-MH6	JUNCTION	6.78	8.746	2.104
E-SWIRL-MH6a	JUNCTION	6.72	4.033	6.617
F-SWIRL-MH3	JUNCTION	5.97	7.627	1.973
F-SWIRL-MH3a	JUNCTION	1.47	3.621	5.519
LibertySewerCrossing1	JUNCTION	4.32	1.041	4.359
P02A010849	JUNCTION	1.05	5.291	4.209
P02A010875	JUNCTION	1.29	3.810	3.590
P02A010886	JUNCTION	1.31	3.736	2.064
P03B010906	JUNCTION	1.49	3.543	7.267
P03B010920	JUNCTION	1.71	2.954	3.866
P03B010943	JUNCTION	1.67	3.062	3.958
P03B011036	JUNCTION	2.05	2.192	24.758
P03B011044	JUNCTION	2.06	2.208	22.272
P03B011076	JUNCTION	2.17	2.302	12.948
P03B011078	JUNCTION	2.16	2.289	13.781
P03C011151	JUNCTION	2.79	1.766	19.784
P03C011166	JUNCTION	2.95	1.760	18.990
P03C011195	JUNCTION	2.17	1.248	16.812
P03C011208	JUNCTION	5.93	7.134	3.426
P03C011253	JUNCTION	2.63	4.152	18.648
P03C011258	JUNCTION	6.22	4.667	4.763
P03C011277	JUNCTION	0.97	0.293	20.317
P03D011296	JUNCTION	2.17	0.749	22.451
P03D011320	JUNCTION	2.65	0.836	24.364
P03D011328	JUNCTION	6.96	9.201	3.379
P03D011351	JUNCTION	6.99	11.100	0.000
P03D011361	JUNCTION	2.50	0.673	23.727
P03D011368	JUNCTION	7.04	42.016	0.000
P03D011389	JUNCTION	7.18	46.099	0.000
P03D011401	JUNCTION	2.67	0.603	28.397
P03D011421	JUNCTION	2.36	0.511	27.589
P04D008426	JUNCTION	0.51	0.637	8.483
P04D008432	JUNCTION	1.01	1.534	8.916
P04D008438	JUNCTION	0.97	1.359	8.151
P09B000504	JUNCTION	5.41	1.164	1.836

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P09B000515	JUNCTION	4.65	1.061	3.609
P09B000749a	JUNCTION	0.63	0.642	0.000
P09B000752	JUNCTION	0.94	1.280	10.320
P09B000789	JUNCTION	1.50	2.928	8.962
P09B000801	JUNCTION	6.73	3.498	5.612
P09B000874	JUNCTION	0.17	0.495	7.395
P09B000898	JUNCTION	1.73	1.199	4.421
P09B001029	JUNCTION	0.71	0.886	1.944
P09B001031	JUNCTION	0.24	0.471	13.969
P09B001039	JUNCTION	5.66	1.525	2.685
P09B001078a	JUNCTION	1.51	4.232	14.208
P09B001078b	JUNCTION	0.13	2.453	16.067
P09B001118	JUNCTION	5.08	1.111	2.989
P09B019200	JUNCTION	19.83	3.370	5.190
P09B019202a	JUNCTION	0.08	0.257	8.183
P09B019203	JUNCTION	5.57	1.530	6.460
P09B019207	JUNCTION	0.49	0.822	3.458
P09B019208	JUNCTION	1.45	1.165	3.875
P09B019210	JUNCTION	6.73	3.419	5.591
P09B019212	JUNCTION	6.94	3.282	4.498
P09B019727	JUNCTION	5.89	3.477	8.893
P09B020765	JUNCTION	0.31	1.817	16.683
P09B020767	JUNCTION	2.43	1.901	13.929
P09B020768	JUNCTION	5.59	1.782	9.528
P09B020772	JUNCTION	4.31	1.027	5.273
P09B020773	JUNCTION	5.98	1.749	7.921
P09C001185	JUNCTION	0.19	0.692	5.948
P09C001239	JUNCTION	0.02	1.267	6.033
P09C001247	JUNCTION	2.32	1.029	7.671
P09C001315	JUNCTION	2.79	0.945	9.855
P09C001343	JUNCTION	2.56	0.935	9.365
P09C001399	JUNCTION	2.62	0.898	7.902
P09C001461	JUNCTION	2.43	0.909	7.411
P09C021287	JUNCTION	0.01	2.909	7.791
P09D000620	JUNCTION	4.31	0.746	11.604
P09D001581	JUNCTION	3.56	0.792	7.558
P10A000342	JUNCTION	3.03	0.857	8.243
P10A000368	JUNCTION	2.90	0.878	8.022
P10A000412	JUNCTION	3.00	0.922	3.778
P10A000452	JUNCTION	2.97	0.976	6.454
P10A000693	JUNCTION	0.08	7.973	0.676
P10A000750	JUNCTION	5.02	1.326	10.514
P10A000809	JUNCTION	7.76	92.484	0.000
P10A000843	JUNCTION	5.43	1.350	5.440
P10A019204	JUNCTION	5.59	1.520	5.480
P16A001638	JUNCTION	3.60	0.826	10.524
P16A001669	JUNCTION	6.46	3.698	11.952
P16A001675	JUNCTION	6.41	3.157	12.393
P16A001677	JUNCTION	6.47	3.676	10.374
P16A001695	JUNCTION	3.27	0.731	13.519
P16A001696	JUNCTION	6.59	4.158	9.692
P16A001733	JUNCTION	6.91	5.252	8.698
P16A001733a	JUNCTION	0.25	0.295	13.655
P16A001750	JUNCTION	2.58	0.607	6.043
P16A001798	JUNCTION	0.85	0.311	5.289
P16A001910	JUNCTION	0.26	0.178	9.822
P17B001953	JUNCTION	0.12	0.099	6.901
P17B002018	JUNCTION	0.07	0.046	5.454
P17B002041	JUNCTION	4.76	2.336	12.514
P17C002064	JUNCTION	4.85	2.808	10.642
P17C002075	JUNCTION	5.09	2.592	9.408
P17C002084	JUNCTION	3.09	1.663	10.987

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P17C002088	JUNCTION	0.08	0.045	6.255
P17C002118a	JUNCTION	0.11	0.056	11.544
P17D002182	JUNCTION	3.15	2.848	18.882
P17D002212	JUNCTION	1.47	0.160	19.070
P19B001847	JUNCTION	3.68	1.953	20.457
P19B002440	JUNCTION	4.59	1.752	11.748
R26C010152	JUNCTION	29.80	109.237	0.000
R35D010788	JUNCTION	0.71	2.669	8.971
R35D021071	JUNCTION	0.64	2.503	5.297
RFMagReducer	JUNCTION	29.12	2.364	8.136
S-CstoreHB	JUNCTION	7.83	58.100	0.000
TF4	JUNCTION	6.96	6.626	4.944
WalnutSewerCrossing1	JUNCTION	2.83	0.950	9.820
WalnutSewerCrossing2	JUNCTION	2.58	0.929	9.841

Node Flooding Summary

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

Node	Hours Flooded	Maximum Rate CFS	Time of Max Occurrence days hr:min	Total Flood Volume 10^6 gal	Maximum Ponded Depth Feet
P03D011351	0.01	13.81	0 06:35	0.000	0.000
R26C010152	0.01	0.98	0 00:12	0.000	100.000
S-CstoreHB	0.01	9.52	0 06:38	0.000	50.000

Storage Volume Summary

Max Occurrence hr:min	Maximum Outflow Storage Unit CFS	Average Volume 1000 ft3	Avg Pcnt Full	Evap Pcnt Loss	Exfil Pcnt Loss	Maximum Volume 1000 ft3	Max Pcnt Full	Time of days
006-01LE_E-SWIRL 07:09	66.56	1.558	15	0	0	7.574	73	0
007-01LE_F-SWIRL 07:12	80.51	1.368	13	0	0	7.822	74	0
017-03FT_P17B002039 07:12	41.16	0.026	4	0	0	0.191	31	0
BypassPS 00:00	0.00	0.000	0	0	0	0.000	0	0
GritChamber 12:19	145.53	35.165	41	0	0	37.071	44	0
P04D008480 07:12	1.96	0.002	0	0	0	0.045	0	0
P17B001657 07:12	2.13	0.001	0	0	0	0.008	0	0
RawSewagePS 12:19	145.53	0.041	0	0	0	0.078	0	0

Outfall Loading Summary

Outfall Node	Flow Freq Pcnt	Avg Flow CFS	Max Flow CFS	Total Volume 10^6 gal	
001	0.00	0.00	0.00	0.000	
003	14.59	19.27	53.42	2.231	
006A	20.71	15.15	46.77	2.492	
006B	7.22	6.15	14.70	0.353	
007-03-09-OVERLANDtoSTORMSEWER	24.69	0.41	1.33	0.080	
007-03-12-OVERLANDtoSTORMSEWER	24.01	0.36	1.13	0.068	
007-03-13-OVERLANDtoSTORMSEWER	24.84	0.32	1.07	0.064	
007A	16.57	20.19	68.45	2.655	
008	0.00	0.00	0.00	0.000	
009	0.00	0.00	0.00	0.000	
010	0.00	0.00	0.00	0.000	
011	0.00	0.00	0.00	0.000	
013	0.00	0.00	0.00	0.000	
014	0.00	0.00	0.00	0.000	
016	21.99	36.45	130.57	6.365	
016-03-01-OVERLANDtoRIVER	24.60	0.94	3.67	0.184	
017	16.23	12.70	35.54	1.636	
017-02-05-OVERLANDtoRIVER	22.80	0.20	0.60	0.036	
017-02-07-OVERLANDtoRIVER	23.08	0.15	0.47	0.028	
017-02-08-OVERLANDtoRIVER	24.66	0.25	0.80	0.048	
018	23.03	17.17	61.39	3.140	
018-04-01-OVERLANDtoRIVER	22.70	0.09	0.27	0.016	
018-05-01-OVERLANDtoRIVER	22.75	0.31	0.93	0.056	
018-05-02-OVERLANDtoRIVER	24.54	0.60	1.94	0.116	
019	24.97	17.35	71.82	3.439	
020	0.00	0.00	0.00	0.000	
1	0.00	0.00	0.00	0.000	
WashingtonRoadOutfall	0.00	0.00	0.00	0.000	
WetWeatherTreatment	0.00	0.00	0.00	0.000	
WilcoxAve	0.00	0.00	0.00	0.000	
WWTP	98.56	76.38	145.53	59.774	
System	15.57	224.45	595.96	82.780	

Link Flow Summary

Link	Type	Maximum Flow CFS	Time of Max Occurrence days hr:min	Maximum Veloc ft/sec	Max/ Full Flow	Max/ Full Depth
000-05FT_P09C000597	CONDUIT	56.02	0 06:53	2.67	1.11	1.00
000-06FT_P03B011320	CONDUIT	13.88	0 08:58	1.67	0.55	1.00
000-07FT_R27B009644	CONDUIT	6.44	0 08:03	6.00	1.18	0.61
000-09FT+000-08FT_R27D009713	CONDUIT	4.59	0 09:43	3.54	0.99	0.69
000-10FT_R26C008767	CONDUIT	0.35	0 08:11	2.31	0.11	0.18
000-11FT_R26C011562	CONDUIT	0.91	0 08:21	5.81	0.24	0.12

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003-02FP_P03D011221	CONDUIT	60.67	0	07:12	13.78	0.08	0.39
003-03FP_P03C011367	CONDUIT	17.24	0	07:12	11.40	0.14	0.58
003-05FT_R34D010498	CONDUIT	3.31	0	07:37	4.72	0.14	0.28
003-06FT_StormConduit	CONDUIT	7.67	0	07:12	3.50	0.37	0.72
003-07FT_P03A011417	CONDUIT	36.33	0	07:12	8.73	0.22	0.37
003-08FT_P03A011559	CONDUIT	36.33	0	07:12	13.54	0.32	0.37
006-03FP_P09B000707a	CONDUIT	67.59	0	07:08	5.58	0.23	0.97
007-03FP_P09B000474	CONDUIT	82.11	0	07:12	6.30	0.43	0.98
007-04FT_P09B000431	CONDUIT	38.76	0	06:36	7.90	14.33	1.00
007-05FT_R33B010890	CONDUIT	1.72	0	09:54	3.24	0.05	0.17
007-06FT_P04A007167	CONDUIT	20.49	0	07:11	3.66	0.19	0.29
009-02FP_P09B020927	CONDUIT	1.21	0	07:08	2.82	0.25	1.00
009-03FT_P09B000518	CONDUIT	1.10	0	07:13	5.25	0.03	0.12
014-01FT_P09D000814	CONDUIT	3.24	0	07:14	3.77	0.03	0.12
016-02FP_P08C001722	CONDUIT	117.45	0	07:12	10.47	0.33	0.33
016-03FP_P16A002634	CONDUIT	14.94	0	07:12	5.48	0.27	0.48
016-04FT_016-04(2)	CONDUIT	110.79	0	07:11	13.02	0.32	0.39
016-06FT_P04D007067	CONDUIT	5.22	0	07:17	3.31	0.08	0.19
016-07FT_P05C006697	CONDUIT	9.99	0	07:15	4.65	0.07	0.18
016-08FT_P09A000318	CONDUIT	4.33	0	07:14	5.69	0.16	0.29
016-09FT_P08D001490	CONDUIT	16.81	0	07:02	14.08	0.05	0.18
017-02FP_P17B000983	CONDUIT	41.14	0	07:12	6.74	0.23	0.49
017-04FT_P17C002297	CONDUIT	5.61	0	07:11	4.89	1.13	0.88
018-02LE_P17D002325	CONDUIT	9.72	0	07:14	1.76	0.12	0.52
018-03LE_P17D002324	CONDUIT	7.79	0	07:12	5.04	0.23	0.34
018-04FP_P17D002352	CONDUIT	43.28	0	07:13	10.03	0.30	0.38
018-05FP_P17D002319	CONDUIT	15.47	0	07:13	4.91	0.24	0.35
018-06FP_P17D002322	CONDUIT	12.52	0	07:12	5.21	0.35	0.45
018-07FT_P17D002358	CONDUIT	43.28	0	07:13	18.24	0.13	0.24
018-08FT_P17D002320	CONDUIT	15.43	0	07:14	3.37	0.22	0.57
018-09FT_P17D002323	CONDUIT	12.51	0	07:12	5.51	0.35	0.43
018-10FE_P17D002300	CONDUIT	9.69	0	07:15	4.91	0.94	0.84
019-02FP_P19B002041	CONDUIT	85.09	0	07:00	9.73	0.16	0.29
019-03FT_P19B000678	CONDUIT	22.67	0	07:13	7.59	0.97	0.95
019-04FT_P07D002710	CONDUIT	3.15	0	07:59	2.31	0.32	0.38
019-05FT_L13B002919	CONDUIT	0.76	0	07:59	3.40	0.12	0.24
019-06FT_P18A001098	CONDUIT	3.01	0	07:33	2.63	0.11	0.22
019-07FT_P18A001126	CONDUIT	0.98	0	07:12	2.00	0.02	0.10
019-08FT_P18D002082	CONDUIT	3.44	0	07:12	5.29	0.22	0.32
019-10FT_P08D001420	CONDUIT	15.04	0	07:12	6.00	0.21	0.31
AtlanticAve3	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
BarScreenChannels	CONDUIT	145.64	0	12:19	10.68	0.01	0.43
BypassConduit1	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
BypassConduit2	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
BypassConduit3	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
CedarOutfall	CONDUIT	130.57	0	07:12	12.92	0.11	0.44
CedarSewerCrossing	CONDUIT	130.57	0	07:12	4.08	0.21	1.00
EatonSewerCrossing	CONDUIT	47.53	0	07:08	12.43	0.24	0.33
FayetteSewerCrossing	CONDUIT	75.03	0	07:12	5.56	0.22	0.49
F-SWIRL-DW1	CONDUIT	16.03	0	06:27	13.07	2.78	1.00
F-SWIRL-OF	CONDUIT	68.85	0	07:12	6.67	0.36	0.39
FultonStorm	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
KPMagMeter	CONDUIT	68.60	0	14:00	11.02	0.42	1.00
L13B005075	CONDUIT	0.76	0	08:00	2.11	0.03	0.10
LibertySewerCrossing	CONDUIT	58.50	0	06:53	4.57	2.18	1.00
P02A011271	CONDUIT	13.86	0	09:03	3.50	0.85	1.00
P02A011275	CONDUIT	13.86	0	08:55	3.47	1.07	1.00
P02A011276	CONDUIT	13.86	0	09:02	3.63	0.77	1.00
P02A011277	CONDUIT	13.86	0	09:02	5.28	0.84	1.00
P03A010094	CONDUIT	2.38	0	07:31	16.64	0.06	0.17
P03A011386	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P03A011399	CONDUIT	31.91	0	07:13	7.22	0.27	0.38

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P03A011400	CONDUIT	31.90	0	07:13	7.29	0.32	0.38
P03A011419	CONDUIT	41.72	0	07:13	18.21	0.24	0.33
P03A011420	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P03A011421	CONDUIT	48.31	0	07:12	16.23	0.12	0.29
P03A011422	CONDUIT	48.31	0	07:12	16.30	0.20	0.29
P03A011423	CONDUIT	50.72	0	07:13	9.55	0.11	0.26
P03A011425	CONDUIT	48.30	0	07:12	10.70	0.08	0.23
P03A011430	CONDUIT	36.33	0	07:13	16.07	0.22	0.33
P03A011436	CONDUIT	0.00	0	00:00	0.00	0.00	0.09
P03A011437	CONDUIT	2.38	0	07:30	10.07	0.12	0.25
P03A011438	CONDUIT	2.38	0	07:31	9.63	0.14	0.26
P03A011441	CONDUIT	2.38	0	07:31	7.39	0.02	0.09
P03A011442	CONDUIT	2.38	0	07:31	5.55	0.02	0.11
P03A011444	CONDUIT	2.38	0	07:31	4.41	0.03	0.13
P03A011445	CONDUIT	2.38	0	07:32	2.82	0.04	0.19
P03B011270	CONDUIT	13.86	0	09:02	3.39	0.87	1.00
P03B011296	CONDUIT	8.55	0	07:12	7.76	0.11	0.21
P03B011319	CONDUIT	13.87	0	09:02	2.82	0.62	1.00
P03B011324	CONDUIT	14.34	0	08:54	2.39	1.14	1.00
P03B011326	CONDUIT	14.36	0	08:54	2.23	1.32	1.00
P03B011449	CONDUIT	8.56	0	07:12	6.60	0.13	0.24
P03B017970	CONDUIT	14.36	0	08:53	2.26	1.20	1.00
P03B017973	CONDUIT	14.34	0	08:53	2.25	1.17	1.00
P03C011231	CONDUIT	17.06	0	08:35	1.77	0.83	1.00
P03C011358	CONDUIT	8.53	0	07:13	8.99	0.08	0.19
P03C011362	CONDUIT	14.34	0	08:54	1.92	0.91	1.00
P03C011365	CONDUIT	12.19	0	06:33	2.40	0.22	1.00
P03C011366	CONDUIT	12.12	0	06:33	1.13	5.42	1.00
P03C011367a	CONDUIT	14.17	0	06:33	7.88	0.15	0.98
P03C011368	CONDUIT	14.34	0	08:54	1.73	0.76	1.00
P03C011369	CONDUIT	17.04	0	08:45	2.16	1.58	1.00
P03C020062	CONDUIT	57.16	0	06:36	3.79	0.14	0.80
P03D011193	CONDUIT	0.91	0	07:12	2.71	0.41	0.44
P03D011197	CONDUIT	41.90	0	06:34	4.14	2.67	1.00
P03D011198	CONDUIT	41.95	0	06:34	4.15	2.69	1.00
P03D011199	CONDUIT	42.47	0	06:34	4.27	1.91	1.00
P03D011212	CONDUIT	50.72	0	07:13	9.99	0.12	0.25
P03D011216	CONDUIT	54.13	0	07:13	11.56	0.09	0.24
P03D011217	CONDUIT	54.13	0	07:13	12.31	0.06	0.22
P03D011230	CONDUIT	24.85	0	08:42	3.05	1.60	1.00
P03D011234	CONDUIT	24.84	0	08:42	2.46	1.19	1.00
P03D011235	CONDUIT	24.85	0	08:41	2.27	1.10	1.00
P03D011237	CONDUIT	24.84	0	08:42	3.41	0.81	1.00
P03D011253	CONDUIT	0.91	0	07:12	2.69	0.39	0.45
P03D011256	CONDUIT	0.91	0	07:13	2.83	0.41	0.43
P03D011257	CONDUIT	0.91	0	07:14	3.20	0.14	0.22
P03D011259	CONDUIT	0.91	0	07:15	1.33	0.06	0.41
P03D011363	CONDUIT	41.90	0	06:34	4.14	3.52	1.00
P03D011383	CONDUIT	50.72	0	07:13	9.07	0.12	0.27
P03D011593	CONDUIT	19.15	0	07:12	8.12	0.30	0.42
P03D011595	CONDUIT	19.15	0	07:12	7.44	0.21	0.44
P03D011598	CONDUIT	24.85	0	08:42	2.61	1.29	1.00
P03D011600	CONDUIT	24.84	0	08:41	2.22	1.06	1.00
P04A007117	CONDUIT	20.49	0	07:08	3.83	0.14	0.28
P04A007185	CONDUIT	1.33	0	07:12	2.42	0.06	0.18
P04A007193	CONDUIT	1.33	0	07:12	1.66	0.03	0.23
P04A007220	CONDUIT	1.60	0	07:12	2.92	0.10	0.23
P04A007224	CONDUIT	1.60	0	07:12	1.96	0.08	0.30
P04A017929	CONDUIT	20.49	0	07:14	4.52	0.15	0.25
P04A017932	CONDUIT	20.94	0	07:16	7.30	0.09	0.18
P04B011105	CONDUIT	5.27	0	07:12	7.17	0.08	0.21
P04B011106	CONDUIT	0.00	0	00:00	0.00	0.00	0.05

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P04B011107	CONDUIT	0.04	0	06:07	0.26	0.00	0.09
P04B011108	CONDUIT	5.27	0	07:12	5.95	0.12	0.24
P04B011109	CONDUIT	9.25	0	07:30	8.02	0.02	0.11
P04B011110	CONDUIT	16.61	0	07:12	10.21	0.04	0.14
P04B011111	CONDUIT	16.61	0	07:12	8.07	0.06	0.16
P04B011130	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P04B017939	CONDUIT	16.62	0	07:12	9.35	0.05	0.15
P04C010905	CONDUIT	16.61	0	07:12	9.37	0.05	0.15
P04C010913	CONDUIT	16.59	0	07:13	10.04	0.04	0.14
P04C010914	CONDUIT	16.60	0	07:13	9.84	0.04	0.14
P04C010915	CONDUIT	16.60	0	07:13	10.95	0.07	0.18
P04C010918	CONDUIT	16.60	0	07:12	9.41	0.05	0.15
P04C010919	CONDUIT	16.60	0	07:13	9.40	0.05	0.15
P04C010951	CONDUIT	29.89	0	07:12	7.54	0.15	0.30
P04C010951a	CONDUIT	29.92	0	07:12	13.06	0.12	0.24
P04C010965	CONDUIT	7.74	0	07:12	3.66	0.48	0.46
P04C010974	CONDUIT	7.74	0	07:12	3.64	0.38	0.46
P04C010976	CONDUIT	7.74	0	07:12	5.09	0.25	0.31
P04C010993	CONDUIT	29.79	0	07:13	5.94	0.20	0.30
P04C011007	CONDUIT	30.04	0	07:12	6.17	0.15	0.26
P04C011009	CONDUIT	30.04	0	07:12	6.32	0.14	0.25
P04C011014	CONDUIT	30.04	0	07:12	6.11	0.14	0.26
P04C011015	CONDUIT	34.29	0	07:12	6.67	0.14	0.27
P04C011030	CONDUIT	34.41	0	07:13	8.11	0.20	0.27
P04C011569	CONDUIT	11.86	0	07:12	6.98	0.18	0.29
P04C011575	CONDUIT	34.43	0	07:12	6.14	0.27	0.33
P04C011579	CONDUIT	34.28	0	07:12	6.76	0.17	0.27
P04C011580	CONDUIT	38.27	0	07:12	9.79	0.13	0.22
P04C011587	CONDUIT	7.74	0	07:12	4.92	0.10	0.33
P04C011707	CONDUIT	34.40	0	07:13	11.48	0.11	0.21
P04C019721	CONDUIT	16.60	0	07:13	10.74	0.10	0.18
P04C019722	CONDUIT	16.60	0	07:13	14.05	0.05	0.15
P04C019726	CONDUIT	24.73	0	07:12	14.81	0.08	0.19
P04C019738	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P04C019739	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P04C019741	CONDUIT	0.00	0	00:00	0.00	0.00	0.06
P04D006646	CONDUIT	2.52	0	07:32	2.99	0.06	0.17
P04D006882	CONDUIT	5.21	0	07:20	7.31	0.04	0.11
P04D006998	CONDUIT	28.39	0	07:12	8.72	0.04	0.19
P04D006999	CONDUIT	30.05	0	07:12	6.57	0.13	0.25
P04D007016	CONDUIT	7.41	0	07:12	4.96	0.13	0.26
P04D007044	CONDUIT	2.01	0	06:50	4.42	0.26	1.00
P04D007045	CONDUIT	2.01	0	06:33	5.26	1.80	1.00
P04D007046	CONDUIT	2.01	0	06:59	4.71	0.11	1.00
P04D007047	CONDUIT	2.01	0	06:36	11.17	0.31	0.69
P04D007052	CONDUIT	1.96	0	07:12	5.69	1.43	0.97
P04D007065	CONDUIT	2.94	0	07:12	3.13	0.20	0.30
P04D007066	CONDUIT	2.94	0	07:13	3.64	0.07	0.24
P04D007068	CONDUIT	5.21	0	07:19	4.73	0.05	0.15
P04D007073	CONDUIT	2.94	0	07:12	3.83	0.16	0.24
P04D007074	CONDUIT	5.21	0	07:18	3.80	0.08	0.18
P04D007100	CONDUIT	7.41	0	07:12	5.53	0.13	0.24
P04D011003	CONDUIT	1.59	0	07:12	3.07	0.04	0.13
P04D011568	CONDUIT	1.59	0	07:12	1.56	0.03	0.20
P04D017936	CONDUIT	22.26	0	07:12	11.15	0.04	0.14
P04D017938	CONDUIT	25.86	0	07:12	12.51	0.04	0.14
P05C005364	CONDUIT	5.61	0	07:31	3.96	0.26	0.34
P05C005365	CONDUIT	5.60	0	07:31	3.29	0.19	0.39
P05C005369	CONDUIT	5.59	0	07:32	3.19	0.46	0.39
P05C005370	CONDUIT	5.58	0	07:32	2.88	0.18	0.39
P05C005434	CONDUIT	5.07	0	07:12	3.86	0.20	0.33
P05C006654	CONDUIT	2.54	0	07:31	2.40	0.19	0.28

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P05C006666	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P05C006685	CONDUIT	10.05	0	07:13	3.99	0.28	0.42
P05C006693	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P05C006694	CONDUIT	0.00	0	00:00	0.00	0.00	0.15
P05C006699	CONDUIT	10.03	0	07:14	3.78	0.33	0.30
P05C006713	CONDUIT	9.98	0	07:16	3.17	0.08	0.24
P05C006717	CONDUIT	9.96	0	07:17	2.90	0.23	0.25
P05C006718	CONDUIT	9.96	0	07:18	3.83	0.10	0.21
P05C006721	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P05C006725	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P05C006726	CONDUIT	9.96	0	07:19	4.56	0.09	0.19
P05D005381	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P05D005390	CONDUIT	6.54	0	07:12	6.52	0.09	0.22
P05D005395	CONDUIT	6.54	0	07:12	5.96	0.20	0.29
P05D005405	CONDUIT	3.00	0	07:12	3.70	0.12	0.30
P05D019248	CONDUIT	6.54	0	07:12	5.42	0.16	0.31
P07C001452	CONDUIT	25.64	0	07:17	4.53	0.06	0.25
P07C001454	CONDUIT	25.66	0	07:17	5.13	0.16	0.23
P07C001458	CONDUIT	25.68	0	07:16	4.31	0.16	0.26
P07C001462	CONDUIT	25.70	0	07:14	4.01	0.17	0.28
P07C001463	CONDUIT	25.69	0	07:15	4.13	0.17	0.27
P07C001464	CONDUIT	25.69	0	07:15	4.73	0.15	0.27
P07C001470	CONDUIT	25.71	0	07:13	3.82	0.19	0.29
P07C001471	CONDUIT	25.71	0	07:14	3.90	0.18	0.28
P07C001472	CONDUIT	15.02	0	07:13	6.48	0.13	0.24
P07C001473	CONDUIT	15.01	0	07:13	4.03	0.10	0.25
P07C001474	CONDUIT	15.29	0	07:13	3.65	0.29	0.28
P07C001475	CONDUIT	25.81	0	07:12	5.83	0.17	0.28
P07C001482	CONDUIT	25.80	0	07:12	6.34	0.17	0.26
P07C001483	CONDUIT	25.79	0	07:12	5.10	0.09	0.30
P07C001491	CONDUIT	25.79	0	07:12	6.90	0.13	0.25
P07C001493	CONDUIT	25.77	0	07:13	3.57	0.20	0.30
P07C001494	CONDUIT	25.73	0	07:13	3.68	0.20	0.30
P07C001532	CONDUIT	4.88	0	07:30	7.01	0.04	0.51
P07C001533	CONDUIT	30.17	0	07:18	4.12	0.18	0.31
P07C021561	CONDUIT	15.02	0	07:13	4.88	0.10	0.21
P07D001517	CONDUIT	3.15	0	08:00	2.96	0.26	0.31
P07D001523	CONDUIT	3.15	0	08:00	15.02	0.61	0.58
P07D001524	CONDUIT	3.15	0	08:00	14.69	0.65	0.59
P07D001527	CONDUIT	4.88	0	07:30	10.42	0.14	0.21
P07D001528	CONDUIT	4.88	0	07:30	8.88	0.17	0.28
P07D001529	CONDUIT	4.88	0	07:30	11.33	0.12	0.24
P07D002709	CONDUIT	3.15	0	08:00	2.62	0.23	0.34
P07D017896	CONDUIT	3.15	0	08:00	5.39	0.13	0.20
P08A001553	CONDUIT	6.54	0	07:12	3.26	0.06	0.25
P08A001572	CONDUIT	13.94	0	07:12	6.12	0.15	0.27
P08A001579	CONDUIT	13.94	0	07:12	5.36	0.14	0.28
P08A001591	CONDUIT	13.94	0	07:12	4.98	0.19	0.27
P08A001592	CONDUIT	13.94	0	07:12	5.39	0.14	0.24
P08A001595	CONDUIT	13.94	0	07:12	6.61	0.12	0.21
P08A001611	CONDUIT	13.94	0	07:13	6.35	0.08	0.22
P08A001612	CONDUIT	15.03	0	07:14	5.66	0.12	0.24
P08A001618	CONDUIT	15.08	0	07:15	2.85	0.12	0.43
P08A001619	CONDUIT	16.81	0	07:02	3.33	0.12	0.37
P08A001621	CONDUIT	16.81	0	07:02	15.54	0.04	0.13
P08A001839	CONDUIT	0.00	0	00:00	0.00	0.00	0.15
P08A001840	CONDUIT	5.94	0	06:53	4.24	0.14	0.28
P08B000172	CONDUIT	9.95	0	07:20	12.26	0.03	0.14
P08B000173	CONDUIT	36.34	0	07:13	6.02	0.36	0.29
P08B000174	CONDUIT	18.26	0	07:12	19.95	0.06	0.15
P08B000175	CONDUIT	18.26	0	07:12	8.17	0.04	0.31
P08B000176	CONDUIT	31.67	0	07:12	5.24	0.20	0.29

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P08B000177	CONDUIT	31.65	0	07:12	4.82	0.16	0.31
P08B000178	CONDUIT	32.37	0	07:13	4.83	0.25	0.31
P08B000184	CONDUIT	13.70	0	07:14	3.55	0.15	0.33
P08B000185	CONDUIT	13.80	0	07:14	2.83	0.30	0.39
P08B000237	CONDUIT	4.00	0	06:52	3.62	0.09	0.24
P08B000239	CONDUIT	4.00	0	07:04	3.51	0.13	0.24
P08B000240	CONDUIT	4.00	0	06:58	3.19	0.09	0.27
P08B000241	CONDUIT	4.02	0	06:37	2.61	0.20	0.33
P08B000242	CONDUIT	4.00	0	06:47	4.44	0.07	0.21
P08B000276	CONDUIT	36.34	0	07:13	6.70	0.17	0.26
P08B000277	CONDUIT	36.32	0	07:14	5.26	0.12	0.31
P08B000278	CONDUIT	36.29	0	07:15	4.45	0.33	0.34
P08B000303	CONDUIT	13.75	0	07:13	4.68	0.16	0.27
P08B000305	CONDUIT	13.79	0	07:12	4.63	0.14	0.27
P08B000306	CONDUIT	13.78	0	07:12	4.46	0.18	0.28
P08B001637	CONDUIT	36.27	0	07:15	4.73	0.20	0.33
P08B001841	CONDUIT	5.94	0	06:54	3.93	0.15	0.29
P08B002662	CONDUIT	9.95	0	07:20	7.24	0.05	0.13
P08C001638	CONDUIT	11.68	0	07:12	4.14	0.28	0.37
P08C001640	CONDUIT	36.39	0	07:17	2.97	1.33	0.36
P08C001642	CONDUIT	35.34	0	07:09	5.06	0.12	0.35
P08C001648	CONDUIT	36.26	0	07:16	4.38	0.25	0.35
P08C001650	CONDUIT	36.27	0	07:16	4.47	0.28	0.34
P08C001651	CONDUIT	36.33	0	07:17	3.88	0.18	0.39
P08C001656	CONDUIT	73.70	0	07:14	6.55	0.48	0.33
P08C001660	CONDUIT	73.70	0	07:15	6.46	0.18	0.34
P08C001671	CONDUIT	73.71	0	07:15	6.21	0.31	0.35
P08C001674	CONDUIT	78.55	0	07:15	8.38	0.27	0.29
P08C001687	CONDUIT	0.00	0	00:00	0.00	0.00	0.11
P08C001688	CONDUIT	11.68	0	07:12	4.95	0.24	0.33
P08C001689	CONDUIT	11.68	0	07:12	3.29	0.17	0.43
P08C001690	CONDUIT	3.74	0	06:49	5.18	0.11	0.24
P08C001713	CONDUIT	6.07	0	06:41	3.55	0.17	0.29
P08C001725	CONDUIT	113.83	0	07:12	7.05	0.58	0.41
P08C001729	CONDUIT	6.07	0	06:42	5.16	0.17	0.22
P08C001730	CONDUIT	6.07	0	06:42	1.41	0.05	0.58
P08C001731	CONDUIT	113.82	0	07:12	6.32	0.43	0.44
P08C001738	CONDUIT	2.40	0	06:58	2.85	0.01	0.10
P08C001740	CONDUIT	2.40	0	07:12	3.49	0.02	0.08
P08C001741	CONDUIT	2.40	0	07:12	9.89	0.01	0.30
P08C001743	CONDUIT	98.95	0	07:13	6.08	0.28	0.42
P08C001744	CONDUIT	15.41	0	07:12	5.75	0.76	0.32
P08C001749	CONDUIT	15.41	0	07:12	8.50	0.11	0.36
P08C001753	CONDUIT	81.11	0	07:12	5.52	0.35	0.41
P08C001754	CONDUIT	96.47	0	07:12	6.51	0.34	0.40
P08C001758	CONDUIT	73.70	0	07:16	6.97	0.13	0.32
P08C001759	CONDUIT	73.72	0	07:16	5.07	0.23	0.40
P08C001760	CONDUIT	73.76	0	07:16	4.88	0.54	0.42
P08C001844	CONDUIT	5.94	0	06:56	3.92	0.18	0.29
P08C001845	CONDUIT	5.94	0	06:57	4.31	0.15	0.27
P08C001846	CONDUIT	5.94	0	07:05	4.42	0.13	0.32
P08C001849	CONDUIT	35.34	0	07:08	6.78	0.25	0.28
P08C001860	CONDUIT	26.33	0	07:07	6.37	0.06	0.26
P08D001412	CONDUIT	16.81	0	07:02	22.01	0.04	0.13
P08D001421	CONDUIT	15.03	0	07:12	6.08	0.20	0.30
P08D001484A	CONDUIT	16.81	0	07:02	12.19	0.15	0.20
P08D001626	CONDUIT	16.81	0	07:02	19.62	0.02	0.11
P08D001834	CONDUIT	16.81	0	07:03	6.93	0.05	0.20
P08D001835	CONDUIT	16.81	0	07:03	4.24	0.13	0.28
P08D001861	CONDUIT	11.68	0	07:12	3.94	0.28	0.38
P08D001867	CONDUIT	20.81	0	07:04	4.62	0.21	0.29
P08D001883	CONDUIT	0.53	0	07:12	2.26	0.05	0.14

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P08D001884	CONDUIT	0.53	0	07:11	0.51	0.04	0.43
P08D001894	CONDUIT	0.53	0	07:11	2.67	0.03	0.15
P08D001897	CONDUIT	0.54	0	06:24	2.54	0.14	0.27
P08D001898	CONDUIT	0.53	0	07:10	2.52	0.16	0.24
P08D001899	CONDUIT	0.53	0	07:12	3.52	0.09	0.19
P08D001908	CONDUIT	26.34	0	07:05	4.58	0.16	0.37
P08D001909	CONDUIT	26.33	0	07:07	3.87	0.67	0.38
P08D001929	CONDUIT	0.00	0	00:00	0.00	0.00	0.13
P08D001941	CONDUIT	4.54	0	06:47	3.65	0.10	0.21
P08D001942	CONDUIT	4.54	0	06:47	4.10	0.06	0.20
P08D001943	CONDUIT	4.57	0	06:31	3.88	0.08	0.22
P08D001945	CONDUIT	4.54	0	07:12	2.17	0.10	0.31
P09A000218	CONDUIT	9.53	0	07:12	9.66	0.04	0.16
P09A000302	CONDUIT	13.80	0	07:12	5.60	0.20	0.30
P09A000317	CONDUIT	0.01	0	02:37	0.72	0.00	0.01
P09A000319	CONDUIT	4.33	0	07:14	11.28	0.07	0.32
P09A000327	CONDUIT	4.33	0	07:13	5.31	0.19	0.30
P09A000328	CONDUIT	4.33	0	07:13	5.34	0.11	0.30
P09A000329	CONDUIT	4.33	0	07:14	4.15	0.28	0.36
P09A000607	CONDUIT	0.01	0	00:22	1.27	0.00	0.01
P09A000608	CONDUIT	0.01	0	00:02	0.82	0.00	0.01
P09A002644	CONDUIT	1.96	0	07:13	3.20	0.56	0.73
P09A006883	CONDUIT	5.21	0	07:20	12.90	0.02	0.09
P09B000428	CONDUIT	11.85	0	07:12	5.70	0.19	0.34
P09B000431a	CONDUIT	38.76	0	06:36	7.90	1.86	1.00
P09B000435	CONDUIT	38.76	0	06:36	7.90	2.04	1.00
P09B000440	CONDUIT	58.80	0	06:48	3.90	1.48	1.00
P09B000441	CONDUIT	58.07	0	06:45	3.29	1.70	1.00
P09B000442	CONDUIT	58.04	0	06:46	3.68	1.98	1.00
P09B000457	CONDUIT	19.63	0	07:12	10.04	0.19	0.32
P09B000458	CONDUIT	19.63	0	07:12	10.53	0.22	0.31
P09B000469	CONDUIT	19.64	0	07:12	8.93	0.29	0.35
P09B000470	CONDUIT	19.64	0	07:12	8.04	0.30	0.38
P09B000472a	CONDUIT	0.00	0	00:00	0.00	0.00	0.04
P09B000473	CONDUIT	35.50	0	07:11	5.31	0.61	0.65
P09B000475	CONDUIT	29.26	0	07:10	4.08	0.32	0.48
P09B000476	CONDUIT	57.79	0	06:49	3.20	1.67	1.00
P09B000478a	CONDUIT	57.69	0	06:52	3.07	1.52	1.00
P09B000478b	CONDUIT	57.72	0	06:53	2.97	1.44	1.00
P09B000493	CONDUIT	38.26	0	07:13	10.80	0.09	0.21
P09B000501	CONDUIT	0.09	0	00:04	3.72	0.01	0.06
P09B000503	CONDUIT	0.09	0	06:57	1.57	0.04	0.35
P09B000505U	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09B000505V	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09B000505W	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09B000505X	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09B000505Y	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09B000505Z	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09B000514	CONDUIT	1.10	0	07:09	2.41	0.11	1.00
P09B000516	CONDUIT	1.11	0	07:09	3.12	0.20	1.00
P09B000520	CONDUIT	34.39	0	07:14	11.94	0.09	0.20
P09B000521	CONDUIT	35.97	0	07:15	6.57	0.23	0.35
P09B000521A	CONDUIT	44.60	0	07:15	7.04	0.28	0.36
P09B000524	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09B000537	CONDUIT	38.27	0	07:12	11.36	0.08	0.20
P09B000540	CONDUIT	0.09	0	00:02	4.19	0.01	0.06
P09B000550	CONDUIT	89.31	0	09:23	6.16	0.56	1.00
P09B000553	CONDUIT	0.00	0	00:00	0.00	0.00	0.04
P09B000554	CONDUIT	1.67	0	06:47	0.94	0.06	1.00
P09B000554a	CONDUIT	1.64	0	06:48	2.05	0.00	0.11
P09B000555	CONDUIT	1.65	0	06:47	0.94	0.15	1.00
P09B000556	CONDUIT	15.77	0	06:27	8.92	1.46	1.00

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P09B000561	CONDUIT	0.04	0	00:05	3.16	0.00	0.04
P09B000562	CONDUIT	0.04	0	00:02	3.19	0.00	0.04
P09B000571	CONDUIT	29.24	0	07:12	12.60	0.26	0.36
P09B000573	CONDUIT	0.92	0	07:00	5.96	0.07	0.18
P09B000577	CONDUIT	0.00	0	00:00	0.00	0.00	0.09
P09B000780W	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09B000780X	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09B000780XX	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09B000815X	CONDUIT	16.97	0	07:07	14.97	0.06	0.24
P09B000815Z	CONDUIT	14.70	0	07:09	5.34	0.23	0.33
P09B000815ZZ	CONDUIT	47.59	0	07:08	9.76	0.18	0.30
P09B000815ZZa	CONDUIT	46.77	0	07:09	10.04	0.18	0.29
P09B000826F	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09B000826X	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09B000826XX	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09B000826Y	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09B000826Z	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09B000904W	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09B000904X	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09B000910I	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09B000910Y	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09B000910Z	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09B000964b	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09B001025X	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09B001025Y	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09B001025Z	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09B002665	CONDUIT	4.67	0	07:12	9.10	0.06	0.16
P09B019743	CONDUIT	34.39	0	07:14	11.68	0.08	0.21
P09B019745	CONDUIT	34.39	0	07:14	10.57	0.11	0.22
P09B019746	CONDUIT	4.67	0	07:12	8.04	0.07	0.26
P09B019749	CONDUIT	11.76	0	07:13	4.79	0.15	0.50
P09B019752	CONDUIT	64.03	0	07:07	11.58	0.24	0.33
P09B019753	CONDUIT	15.77	0	06:27	8.92	1.33	1.00
P09B019756	CONDUIT	31.10	0	12:34	3.88	1.52	1.00
P09B019757	CONDUIT	31.13	0	12:30	3.02	6.24	1.00
P09B019758	CONDUIT	36.98	0	12:30	2.21	0.65	1.00
P09B019759	CONDUIT	20.58	0	06:38	2.62	0.13	1.00
P09B019761	CONDUIT	36.92	0	12:30	2.07	0.60	1.00
P09B019762	CONDUIT	65.83	0	06:39	3.50	0.46	1.00
P09B019763	CONDUIT	87.07	0	06:16	9.54	0.28	1.00
P09B019765	CONDUIT	38.75	0	06:36	7.89	2.02	1.00
P09B019767	CONDUIT	38.75	0	06:36	7.89	1.69	1.00
P09B019768	CONDUIT	38.75	0	06:36	7.89	2.52	1.00
P09B019771	CONDUIT	2.05	1	05:38	2.49	0.01	0.18
P09B019772	CONDUIT	1.08	1	05:38	1.52	0.01	0.15
P09B019776	CONDUIT	0.08	0	07:08	0.09	0.00	0.11
P09B019777	CONDUIT	68.83	0	07:11	7.29	0.67	0.42
P09B019779	CONDUIT	68.47	0	07:12	11.93	0.20	0.30
P09B019780	CONDUIT	68.44	0	07:12	11.63	0.23	0.32
P09B019780b	CONDUIT	72.29	0	07:12	11.31	0.22	0.34
P09B019782	CONDUIT	68.43	0	07:12	10.23	0.25	0.34
P09B019783	CONDUIT	68.45	0	07:12	10.82	0.21	0.31
P09B019891	CONDUIT	12.38	0	06:56	4.97	0.18	0.53
P09B019892	CONDUIT	35.49	0	07:12	7.23	0.36	0.66
P09B020925	CONDUIT	1.20	0	07:08	2.85	0.25	1.00
P09B020926	CONDUIT	1.21	0	07:08	2.89	0.25	1.00
P09B020928	CONDUIT	1.50	0	06:37	4.09	0.30	1.00
P09B020934	CONDUIT	58.53	0	06:53	2.73	1.21	1.00
P09B020935	CONDUIT	2.13	0	06:38	5.34	0.13	1.00
P09B021053	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09B021054	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09B021055	CONDUIT	0.00	0	00:00	0.00	0.00	0.00

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P09B021056	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09C000579	CONDUIT	57.50	0	06:54	2.79	1.22	1.00
P09C000586	CONDUIT	0.11	0	06:59	2.94	0.00	0.04
P09C000587	CONDUIT	0.21	0	06:59	4.29	0.02	0.54
P09C000589	CONDUIT	60.11	0	06:51	3.32	2.64	1.00
P09C000590	CONDUIT	56.81	0	06:55	4.01	0.92	1.00
P09C000591	CONDUIT	0.05	0	07:00	1.23	0.00	0.51
P09C000594	CONDUIT	56.27	0	06:57	3.21	1.23	1.00
P09C000595	CONDUIT	55.19	0	06:57	2.89	1.15	1.00
P09C000596	CONDUIT	55.34	0	06:57	2.69	1.20	1.00
P09C000599	CONDUIT	0.04	0	12:47	1.57	0.01	0.54
P09C000603	CONDUIT	56.60	0	06:53	2.76	1.15	1.00
P09C001146W	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09C001146X	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09C001146Y	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09C001146Z	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09C019063	CONDUIT	1.98	0	06:58	1.39	0.14	1.00
P09D000732	CONDUIT	0.01	0	22:47	1.14	0.00	0.01
P09D000735	CONDUIT	0.01	0	00:32	1.52	0.00	0.01
P09D000736a	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09D000736b	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09D000736c	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09D000740	CONDUIT	0.01	0	00:08	0.56	0.00	0.01
P09D000741	CONDUIT	56.58	0	06:57	2.50	1.13	1.00
P09D000759	CONDUIT	14.93	0	07:12	7.23	0.38	0.47
P09D000765	CONDUIT	14.93	0	07:12	8.44	0.24	0.42
P09D000766	CONDUIT	0.24	0	07:15	0.35	0.01	0.20
P09D000801	CONDUIT	55.19	0	06:58	2.51	1.22	1.00
P09D000804	CONDUIT	54.62	0	06:59	2.40	1.10	1.00
P09D000811	CONDUIT	3.26	0	07:02	4.67	0.32	0.73
P09D000813	CONDUIT	0.01	0	00:09	1.16	0.00	0.01
P09D000816	CONDUIT	3.25	0	07:14	3.84	0.09	0.18
P09D001389Y	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09D001389Z	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09D001705	CONDUIT	6.08	0	06:35	3.76	0.12	0.28
P09D001706	CONDUIT	0.24	0	06:27	1.12	0.07	0.35
P09D001707	CONDUIT	0.31	0	06:27	0.62	0.01	0.22
P09D001708	CONDUIT	6.08	0	06:35	3.31	0.23	0.31
P09D001709	CONDUIT	6.08	0	06:36	3.76	0.21	0.28
P09D001710	CONDUIT	6.07	0	06:37	2.25	0.09	0.44
P09D001711	CONDUIT	6.07	0	06:40	1.21	0.52	0.67
P09D001775	CONDUIT	0.00	0	00:00	0.00	0.00	0.08
P10A000278V	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P10A000278W	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P10A000278X	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P10A000278Z	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P10A000824	CONDUIT	29.82	0	06:33	5.57	0.42	1.00
P10A000825	CONDUIT	25.01	0	08:41	2.15	0.95	1.00
P10A000827	CONDUIT	22.24	0	06:29	5.79	0.31	0.71
P10A000851	CONDUIT	25.01	0	08:41	2.47	1.17	1.00
P10A000852	CONDUIT	25.01	0	08:41	2.15	1.08	1.00
P10A000858	CONDUIT	25.01	0	08:41	2.47	1.26	1.00
P10A000860	CONDUIT	25.01	0	08:41	2.34	1.10	1.00
P10A000861	CONDUIT	34.28	0	06:38	3.63	2.49	1.00
P10A000865	CONDUIT	26.19	0	06:38	2.59	2.49	1.00
P10A000867	CONDUIT	19.15	0	07:12	4.92	0.36	0.42
P10A000868	CONDUIT	19.15	0	07:12	4.87	0.55	0.43
P10A000869	CONDUIT	19.15	0	07:12	5.28	0.96	0.40
P10A000870	CONDUIT	19.24	0	07:08	5.86	0.30	0.39
P10A000871	CONDUIT	19.15	0	07:13	5.30	0.41	0.40
P10A002657	CONDUIT	19.15	0	07:12	5.92	0.57	0.49
P10A002658	CONDUIT	19.15	0	07:12	14.79	0.08	0.26

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P10A002659	CONDUIT	19.15	0	07:12	10.92	0.23	0.36
P10A019754	CONDUIT	31.16	0	12:31	3.18	1.12	1.00
P10A019755	CONDUIT	31.16	0	12:31	5.01	0.90	1.00
P10A019781	CONDUIT	68.49	0	07:12	9.99	0.26	0.35
P16A001036	CONDUIT	124.56	0	07:12	18.17	0.19	0.29
P16A002614	CONDUIT	71.37	0	06:54	3.17	1.39	1.00
P16A002615	CONDUIT	73.79	0	06:53	4.18	1.98	1.00
P16A002617	CONDUIT	56.55	0	06:58	2.18	0.92	1.00
P16A002618	CONDUIT	55.49	0	06:58	2.65	1.27	1.00
P16A002619	CONDUIT	56.46	0	06:58	2.64	1.27	1.00
P16A002623	CONDUIT	8.38	0	07:01	2.11	0.27	1.00
P16A002624	CONDUIT	26.36	0	06:45	6.63	1.24	1.00
P16A002626	CONDUIT	26.36	0	06:45	7.00	1.17	0.90
P16A002627	CONDUIT	26.12	0	06:42	6.57	2.59	1.00
P16A002628	CONDUIT	26.14	0	06:42	6.59	1.21	1.00
P16A002629	CONDUIT	26.12	0	06:42	6.57	0.71	1.00
P16A002632Y	CONDUIT	132.09	0	07:10	9.81	0.37	0.58
P16A002632Ya	CONDUIT	132.04	0	07:10	12.88	0.33	0.45
P16A021582	CONDUIT	24.30	0	07:08	4.61	0.29	0.64
P17A000954	CONDUIT	8.92	0	07:12	6.00	0.20	0.35
P17A000956	CONDUIT	8.92	0	07:12	5.56	0.29	0.37
P17A000957	CONDUIT	8.92	0	07:12	5.91	0.25	0.36
P17A001289	CONDUIT	5.34	0	07:12	2.28	0.15	0.39
P17A001291	CONDUIT	10.68	0	07:12	3.23	0.23	0.38
P17A001292	CONDUIT	16.73	0	07:13	5.09	0.42	0.35
P17A001296	CONDUIT	22.01	0	07:12	7.27	0.17	0.33
P17A002641	CONDUIT	27.56	0	07:12	7.86	0.30	0.37
P17B000622	CONDUIT	7.87	0	07:12	4.63	0.09	0.44
P17B000628	CONDUIT	7.87	0	07:12	9.32	0.12	0.24
P17B000629	CONDUIT	36.68	0	07:12	10.18	0.23	0.33
P17B000986	CONDUIT	18.68	0	07:12	4.92	0.28	0.34
P17B000988	CONDUIT	4.47	0	07:12	3.59	0.20	0.32
P17B000990	CONDUIT	13.41	0	07:12	6.29	0.36	0.44
P17B000991	CONDUIT	13.41	0	07:13	12.55	0.15	0.28
P17B000992	CONDUIT	13.41	0	07:13	8.34	0.40	0.37
P17B000997	CONDUIT	13.41	0	07:12	5.42	0.30	0.40
P17B000998	CONDUIT	13.41	0	07:12	5.67	0.34	0.39
P17B001002	CONDUIT	2.13	0	07:12	4.05	0.65	0.71
P17B001003	CONDUIT	2.14	0	07:13	2.86	0.61	0.92
P17B001004	CONDUIT	3.96	0	07:13	1.09	0.25	0.66
P17B001005	CONDUIT	13.41	0	07:12	3.90	1.68	0.62
P17B001007	CONDUIT	13.41	0	07:12	5.03	0.41	0.42
P17B001014	CONDUIT	0.53	0	07:13	1.58	0.17	0.45
P17B001015	CONDUIT	2.13	0	07:12	4.29	0.72	0.61
P17B001018	CONDUIT	0.53	0	07:12	3.01	0.17	0.28
P17B001019	CONDUIT	0.53	0	07:12	3.06	0.17	0.27
P17B001021	CONDUIT	0.53	0	07:12	3.20	0.16	0.26
P17B001022	CONDUIT	0.53	0	07:13	3.12	0.15	0.27
P17B001035	CONDUIT	124.56	0	07:12	16.96	0.21	0.31
P17B001059	CONDUIT	5.27	0	07:12	3.11	0.38	0.38
P17B001060	CONDUIT	5.27	0	07:12	2.99	0.15	0.47
P17B002039V	CONDUIT	35.55	0	07:13	8.34	0.15	0.27
P17B002039Va	CONDUIT	35.55	0	07:13	8.33	0.14	0.27
P17B002039X	CONDUIT	35.54	0	07:13	7.86	0.15	0.28
P17B002039Y	CONDUIT	35.54	0	07:13	7.55	0.15	0.29
P17B002039Z	CONDUIT	35.54	0	07:14	7.88	0.15	0.28
P17B002292	CONDUIT	5.59	0	07:12	4.68	1.14	1.00
P17B002609	CONDUIT	64.03	0	07:01	2.46	1.02	1.00
P17B002611	CONDUIT	67.21	0	07:00	2.93	1.19	1.00
P17B002612	CONDUIT	69.73	0	06:54	3.60	1.42	1.00
P17C002268	CONDUIT	71.20	0	07:07	3.08	0.92	0.76
P17C002270	CONDUIT	63.45	0	07:04	2.13	0.95	1.00

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P17C002272	CONDUIT	63.15	0	07:04	2.77	0.77	0.69
P17C002273	CONDUIT	68.47	0	07:04	2.98	0.91	0.70
P17C002281	CONDUIT	67.51	0	07:05	2.88	0.88	0.70
P17C002287	CONDUIT	66.84	0	07:06	2.76	0.81	0.72
P17C002293	CONDUIT	5.61	0	07:13	4.57	1.12	1.00
P17C002295	CONDUIT	5.61	0	07:12	4.61	1.82	1.00
P17C002296	CONDUIT	5.61	0	07:12	4.91	1.08	1.00
P17D002265	CONDUIT	83.09	0	07:52	3.23	0.99	0.65
P17D002266	CONDUIT	84.89	0	07:46	3.21	1.02	0.67
P17D002267	CONDUIT	95.38	0	07:46	3.55	1.18	0.77
P17D002298	CONDUIT	9.69	0	07:14	4.42	1.83	1.00
P17D002299	CONDUIT	9.69	0	07:15	4.54	1.22	0.94
P17D002301	CONDUIT	9.69	0	07:15	5.10	0.93	0.81
P17D002302	CONDUIT	9.69	0	07:17	5.44	0.93	0.76
P17D002314	CONDUIT	5.77	0	07:12	3.00	0.14	0.34
P17D002315	CONDUIT	13.57	0	07:12	5.04	0.33	0.42
P17D002317	CONDUIT	15.51	0	07:12	4.62	0.29	0.41
P17D002318	CONDUIT	15.49	0	07:12	4.01	0.39	0.45
P17D002324	CONDUIT	6.80	0	06:17	8.98	0.54	1.00
P17D002326	CONDUIT	27.54	0	07:13	9.25	0.26	0.33
P17D002328	CONDUIT	32.79	0	07:12	10.54	0.17	0.28
P17D002329	CONDUIT	32.79	0	07:12	10.87	0.11	0.27
P17D002330	CONDUIT	8.92	0	07:12	5.88	0.34	0.36
P17D002332	CONDUIT	8.92	0	07:13	4.54	0.12	0.35
P17D002344	CONDUIT	41.70	0	07:12	12.04	0.16	0.30
P17D002347	CONDUIT	43.28	0	07:12	9.12	0.20	0.40
P17D002358W	CONDUIT	61.44	0	07:13	9.11	0.17	0.29
P17D002358X	CONDUIT	61.42	0	07:14	8.21	0.17	0.31
P17D002358Y	CONDUIT	61.39	0	07:15	7.41	0.17	0.33
P17D002358Z	CONDUIT	61.39	0	07:15	8.52	0.17	0.30
P17D002359	CONDUIT	2.58	0	06:09	9.11	1.24	1.00
P17D002643	CONDUIT	8.92	0	07:12	5.20	0.25	0.39
P17D002720	CONDUIT	253.34	0	07:49	9.20	0.31	0.80
P18A001069	CONDUIT	8.85	0	07:12	6.02	0.05	0.15
P18A001072	CONDUIT	8.87	0	07:12	4.66	0.07	0.18
P18A001096	CONDUIT	0.76	0	08:00	1.77	0.03	0.11
P18A001097	CONDUIT	0.76	0	08:00	1.16	0.03	0.16
P18A001099	CONDUIT	3.01	0	07:35	3.02	0.10	0.20
P18A001105	CONDUIT	2.11	0	07:12	3.27	0.03	0.12
P18A001114	CONDUIT	2.11	0	07:12	2.90	0.04	0.13
P18A001125	CONDUIT	0.27	0	07:32	1.43	0.01	0.06
P18A001127	CONDUIT	0.98	0	07:12	1.19	0.02	0.16
P18A017897	CONDUIT	42.71	0	07:12	6.03	0.20	0.30
P18A017900	CONDUIT	51.42	0	07:13	5.75	0.15	0.28
P18B001226	CONDUIT	34.69	0	07:19	5.15	0.21	0.29
P18B001227	CONDUIT	34.69	0	07:20	5.45	0.17	0.28
P18B001228	CONDUIT	34.68	0	07:20	5.46	0.17	0.28
P18B001229	CONDUIT	34.66	0	07:21	5.07	0.17	0.29
P18B001552	CONDUIT	34.69	0	07:19	4.74	0.21	0.31
P18C000726	CONDUIT	3.87	0	06:59	2.59	0.17	0.29
P18C002048	CONDUIT	81.61	0	07:15	8.66	0.14	0.30
P18C002049	CONDUIT	78.77	0	07:16	7.53	0.23	0.32
P18C002050	CONDUIT	73.60	0	07:16	8.57	0.21	0.27
P18C002051	CONDUIT	72.48	0	07:17	11.26	0.17	0.28
P18C002052	CONDUIT	72.26	0	07:17	11.74	0.17	0.27
P18C002053	CONDUIT	72.33	0	07:17	12.29	0.15	0.26
P18D002047	CONDUIT	4.85	0	07:12	4.67	0.09	0.60
P18D002181	CONDUIT	57.18	0	07:13	6.04	0.19	0.29
P18D002182	CONDUIT	58.85	0	07:16	5.83	0.17	0.33
P18D002183	CONDUIT	97.85	0	07:13	9.79	1.06	0.31
P19A000708	CONDUIT	1.40	0	06:22	4.05	0.07	0.19
P19B000677	CONDUIT	22.75	0	07:00	7.24	0.97	1.00

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P19B000679	CONDUIT	72.69	0	07:13	5.67	0.09	0.37
P19B000681	CONDUIT	72.35	0	07:13	5.43	0.15	0.38
P19B000682	CONDUIT	72.37	0	07:13	5.28	0.15	0.39
P19B000685	CONDUIT	6.81	0	06:55	4.61	0.15	0.26
P19B000690	CONDUIT	6.81	0	06:55	4.38	0.13	0.22
P19B000703	CONDUIT	6.81	0	06:55	4.66	0.05	0.20
P19B000704	CONDUIT	6.81	0	07:04	4.77	0.11	0.17
P19B000705	CONDUIT	6.81	0	06:22	5.01	0.15	0.26
P19B002031	CONDUIT	72.14	0	07:14	4.92	0.28	0.41
P19B002034	CONDUIT	22.65	0	07:13	3.52	0.67	0.62
P19B002035	CONDUIT	22.62	0	07:02	3.61	0.69	0.59
P19B002043	CONDUIT	22.67	0	07:13	7.75	0.98	0.90
P19B002054	CONDUIT	78.42	0	07:17	6.70	0.15	0.37
P19B002055	CONDUIT	154.89	0	07:12	12.08	5.23	0.37
P19B002056	CONDUIT	6.81	0	06:59	3.85	0.03	0.29
P19B017901_1	CONDUIT	57.65	0	07:12	7.25	0.10	0.26
P19B017901_2	CONDUIT	73.33	0	07:12	6.84	0.13	0.33
P20A002002	CONDUIT	81.89	0	07:53	3.16	0.79	0.67
P20A002004	CONDUIT	77.27	0	07:54	3.10	0.78	0.65
P20A002015	CONDUIT	77.76	0	07:54	3.15	0.71	0.66
P20A002016	CONDUIT	77.49	0	07:54	3.17	0.68	0.67
P20A002017	CONDUIT	77.66	0	07:54	3.21	0.77	0.67
P20A002018	CONDUIT	22.63	0	07:03	4.79	0.68	0.55
P20A002021	CONDUIT	71.82	0	07:16	5.40	0.30	0.38
P20A002022	CONDUIT	22.85	0	07:53	6.40	0.26	0.67
P20A002023	CONDUIT	77.41	0	07:55	3.24	0.51	0.67
P20A002024	CONDUIT	77.57	0	07:55	3.23	0.59	0.67
P20A002471Z	CONDUIT	71.84	0	07:15	4.44	0.26	0.44
P20A002728	CONDUIT	98.48	0	07:55	3.95	0.69	0.68
P20A020380	CONDUIT	98.25	0	07:55	6.18	0.51	1.00
PF1(E-SwirlOF)	CONDUIT	69.00	0	07:09	8.61	0.36	0.32
PF8(E-SWIRL-DW)	CONDUIT	38.77	0	06:36	12.34	1.92	1.00
PL4(HamiltonOF)	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
R26A009356	CONDUIT	5.39	0	08:01	5.23	0.24	0.57
R26A009357	CONDUIT	5.39	0	08:01	4.10	12.91	0.70
R26A009358	CONDUIT	5.39	0	08:01	5.05	0.60	0.58
R26A009359	CONDUIT	5.39	0	08:01	5.97	0.69	0.51
R26A009365	CONDUIT	5.39	0	08:02	8.62	0.34	0.38
R26A009366	CONDUIT	5.39	0	08:02	8.02	0.27	0.41
R26A011484	CONDUIT	5.39	0	08:00	7.56	0.50	0.42
R26A011485	CONDUIT	5.39	0	08:02	6.30	0.42	0.49
R26B009414	CONDUIT	0.05	0	07:55	0.73	0.01	0.06
R26B009415	CONDUIT	0.09	0	07:57	1.14	0.01	0.07
R26B009416	CONDUIT	0.14	0	07:59	1.12	0.01	0.10
R26B009417	CONDUIT	0.18	0	08:02	0.96	0.03	0.13
R26B009418	CONDUIT	0.23	0	08:05	1.11	0.04	0.14
R26B009419	CONDUIT	0.27	0	08:07	0.84	0.04	0.19
R26C008749	CONDUIT	0.32	0	08:11	0.82	1.18	0.22
R26C008750	CONDUIT	0.36	0	08:13	1.18	0.07	0.19
R26C008751	CONDUIT	0.41	0	08:15	1.23	0.08	0.20
R26C008752	CONDUIT	0.45	0	08:16	1.30	0.09	0.20
R26C008753	CONDUIT	0.50	0	08:18	1.37	0.09	0.21
R26C008754	CONDUIT	0.54	0	08:19	1.46	0.10	0.21
R26C008755	CONDUIT	0.59	0	08:20	1.48	0.10	0.22
R26D008720	CONDUIT	9.17	0	08:40	13.63	0.64	0.54
R26D008721	CONDUIT	9.17	0	08:40	15.86	0.46	0.48
R26D008724	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
R26D008725	CONDUIT	9.17	0	08:40	12.08	0.56	0.59
R26D011489	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
R27B009153	CONDUIT	5.39	0	08:00	6.70	0.37	0.47
R27B009154	CONDUIT	5.39	0	07:56	6.64	0.51	0.47
R27B009164	CONDUIT	5.39	0	08:00	5.92	0.52	0.51

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R27B009645	CONDUIT	5.48	0	08:03	6.69	0.51	0.48
R27B009916	CONDUIT	5.39	0	08:02	6.76	0.51	0.46
R27B009917	CONDUIT	5.39	0	08:03	7.91	0.34	0.41
R27B009918	CONDUIT	5.39	0	08:03	7.65	0.37	0.42
R27B009946	CONDUIT	5.41	0	08:03	6.55	0.39	0.48
R27C009714	CONDUIT	4.66	0	09:44	3.29	0.29	0.69
R27C009716	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
R27C009717	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
R27C009883	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
R27C009884	CONDUIT	4.57	0	09:46	2.15	0.95	0.83
R27C009888	CONDUIT	4.57	0	09:47	2.45	0.73	0.73
R27C009889	CONDUIT	2.27	0	09:50	3.74	1.30	0.72
R27C009890	CONDUIT	2.27	0	09:51	6.95	0.40	0.50
R27C009893	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
R27C009902	CONDUIT	2.30	0	09:50	4.47	0.40	0.44
R27C009903	CONDUIT	5.38	0	08:07	9.32	0.13	0.24
R27C009904	CONDUIT	5.39	0	08:05	3.59	0.47	0.48
R27C009905	CONDUIT	5.38	0	08:06	3.75	0.46	0.47
R27C009906	CONDUIT	5.38	0	08:07	5.63	0.53	0.34
R27C009907	CONDUIT	9.17	0	08:38	3.79	0.52	0.50
R27C009908	CONDUIT	9.17	0	08:39	5.17	0.50	0.39
R27C009909	CONDUIT	5.39	0	08:04	3.61	0.47	0.48
R27C009910	CONDUIT	5.39	0	08:04	3.61	0.47	0.48
R27C009919	CONDUIT	5.39	0	08:03	8.82	0.35	0.38
R27C009920	CONDUIT	5.39	0	08:03	6.30	0.24	0.49
R27C009930	CONDUIT	4.57	0	09:51	12.43	0.10	0.21
R27C009931	CONDUIT	4.57	0	09:50	12.73	0.54	0.47
R27C011486	CONDUIT	9.17	0	08:39	7.46	0.19	0.30
R27D009715	CONDUIT	5.85	0	09:43	6.19	1.29	0.53
R33B010055	CONDUIT	0.13	0	07:12	2.05	0.04	0.14
R33B010708	CONDUIT	1.87	0	07:12	4.44	0.06	0.19
R33B010839	CONDUIT	0.60	0	07:12	2.42	0.29	0.35
R33B010850	CONDUIT	0.13	0	07:12	2.08	0.02	0.10
R33B010851	CONDUIT	0.13	0	07:12	2.09	0.02	0.16
R33B010853	CONDUIT	1.74	0	09:55	3.01	0.05	0.18
R33B010854	CONDUIT	1.83	0	09:54	2.56	0.05	0.17
R33B010857	CONDUIT	1.40	0	07:12	3.19	0.19	0.30
R33B010861	CONDUIT	0.60	0	07:12	1.68	0.36	0.33
R33B010862	CONDUIT	0.60	0	07:12	1.63	0.15	0.34
R33B010900	CONDUIT	0.53	0	07:12	4.37	0.06	0.16
R33B010901	CONDUIT	0.53	0	07:12	2.67	0.03	0.18
R33B010902	CONDUIT	1.91	0	09:55	2.58	0.05	0.16
R33B010903	CONDUIT	1.91	0	09:56	1.73	0.04	0.22
R33B010904	CONDUIT	6.59	0	09:49	4.44	0.13	0.24
R33B011555	CONDUIT	1.91	0	09:55	2.69	0.04	0.15
R33C005759	CONDUIT	3.20	0	07:12	6.00	0.05	0.17
R33C005762	CONDUIT	17.30	0	07:03	4.74	0.15	0.27
R33C010707	CONDUIT	6.88	0	09:48	5.28	0.07	0.20
R33C010728	CONDUIT	1.73	0	07:12	5.22	0.10	0.21
R33C010729	CONDUIT	6.88	0	09:48	4.38	0.07	0.23
R33C010734	CONDUIT	5.60	0	07:12	4.56	0.36	0.41
R33C010736	CONDUIT	5.60	0	07:12	5.26	0.34	0.37
R33C010741	CONDUIT	7.30	0	07:00	3.58	0.13	0.29
R33C010742	CONDUIT	5.60	0	07:12	4.16	0.18	0.30
R33C010743	CONDUIT	5.60	0	07:12	3.96	0.12	0.25
R33C010744	CONDUIT	5.60	0	07:13	4.56	0.12	0.23
R33C010745	CONDUIT	5.60	0	07:13	5.43	0.07	0.20
R33C010750	CONDUIT	8.83	0	07:01	4.36	0.11	0.25
R33C010751	CONDUIT	14.43	0	07:02	4.70	0.11	0.25
R33C010752	CONDUIT	2.87	0	07:12	3.02	0.25	0.54
R33C010767+R33C010773	CONDUIT	2.87	0	07:12	6.08	0.16	0.27
R33C011041	CONDUIT	3.20	0	07:12	4.44	0.07	0.20

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R33C011042	CONDUIT	3.20	0	07:12	2.39	0.23	0.42
R33C011043	CONDUIT	3.20	0	07:12	4.09	0.10	0.30
R33C011044	CONDUIT	3.20	0	07:12	3.28	0.12	0.25
R33C011045	CONDUIT	3.25	0	07:12	5.81	0.35	0.30
R33D005763	CONDUIT	20.49	0	07:06	3.89	0.18	0.31
R33D005764	CONDUIT	20.50	0	07:06	5.93	0.12	0.23
R33D005765	CONDUIT	20.49	0	07:08	4.48	0.22	0.28
R33D005774	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
R33D005775	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
R33D005776	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
R33D005777	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
R33D005778	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
R33D005779	CONDUIT	0.00	0	00:00	0.00	0.00	0.03
R33D005783	CONDUIT	17.29	0	07:04	4.39	0.16	0.28
R33D005784	CONDUIT	17.29	0	07:05	4.62	0.18	0.27
R33D005948	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
R33D021115	CONDUIT	20.50	0	07:06	4.76	0.12	0.27
R34A010649	CONDUIT	2.42	0	07:12	4.56	0.21	0.34
R34A010651	CONDUIT	2.42	0	07:12	4.02	0.26	0.37
R34A010652	CONDUIT	2.42	0	07:12	4.36	0.28	0.35
R34A010653	CONDUIT	2.42	0	07:13	6.21	0.19	0.27
R34A010658	CONDUIT	3.33	0	07:32	3.93	1.04	0.48
R34A010662	CONDUIT	3.33	0	07:33	5.78	0.25	0.36
R34A010663	CONDUIT	3.32	0	07:33	5.54	0.30	0.37
R34A010664	CONDUIT	3.32	0	07:34	5.19	0.29	0.39
R34A020998	CONDUIT	3.32	0	07:34	4.02	0.29	0.48
R34A020999	CONDUIT	2.42	0	07:13	3.59	0.11	0.42
R34D010473	CONDUIT	31.61	0	07:12	6.85	0.28	0.39
R34D010474	CONDUIT	31.90	0	07:12	7.38	0.33	0.38
R34D010483	CONDUIT	8.30	0	07:11	4.07	0.23	0.36
R34D010484	CONDUIT	8.58	0	07:12	4.28	0.24	0.35
R34D010485	CONDUIT	8.57	0	07:13	3.45	0.22	0.40
R34D010486	CONDUIT	8.57	0	07:13	3.06	0.35	0.50
R34D010487	CONDUIT	17.38	0	07:12	6.17	0.66	0.50
R34D010488	CONDUIT	17.38	0	07:12	4.61	0.28	0.41
R34D010489	CONDUIT	17.67	0	07:13	4.80	0.35	0.40
R34D010490	CONDUIT	17.66	0	07:14	4.49	0.27	0.42
R34D010491	CONDUIT	21.07	0	07:12	3.84	0.36	0.48
R34D010492	CONDUIT	3.32	0	07:35	6.12	0.13	0.23
R34D010496	CONDUIT	3.32	0	07:36	6.72	0.09	0.21
R34D010497	CONDUIT	3.32	0	07:37	5.72	0.11	0.24
R34D010499	CONDUIT	3.31	0	07:39	4.26	0.19	0.30
R34D010500	CONDUIT	3.30	0	07:39	6.40	0.10	0.22
R34D010690	CONDUIT	3.32	0	07:35	4.19	0.60	0.46
R34D020997	CONDUIT	3.32	0	07:35	5.75	0.31	0.36
R35A010409	CONDUIT	14.04	0	08:34	3.75	0.86	0.71
R35A010410	CONDUIT	14.04	0	08:33	4.12	0.67	0.66
R35A010411	CONDUIT	9.18	0	08:44	3.60	0.35	0.53
R35A010412	CONDUIT	9.17	0	08:43	8.43	0.36	0.59
R35A010413	CONDUIT	9.17	0	08:44	4.23	0.44	0.46
R35A010414	CONDUIT	9.17	0	08:43	8.95	0.34	0.36
R35A010429	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
R35A010430	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
R35A010431	CONDUIT	9.17	0	08:41	11.26	0.75	0.63
R35A010432	CONDUIT	9.17	0	08:41	10.06	0.74	0.70
R35A010433	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
R35A010434	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
R35A010435	CONDUIT	9.17	0	08:41	11.45	0.67	0.62
R35A010436	CONDUIT	9.17	0	08:42	9.26	0.91	0.75
R35A010437	CONDUIT	9.17	0	08:42	9.57	0.90	0.73
R35A010438	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
R35A010439	CONDUIT	9.17	0	08:43	9.95	0.84	0.70

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R35A010440	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
R35A010441	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
R35A010447	CONDUIT	9.17	0	08:43	8.54	0.25	0.37
R35A011487	CONDUIT	9.17	0	08:40	10.74	0.76	0.66
R35A011488	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
R35A017947	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
R35A017948	CONDUIT	14.04	0	08:34	3.75	0.86	0.71
R35A017951	CONDUIT	14.04	0	08:36	4.09	0.88	0.66
R35A017952	CONDUIT	14.03	0	08:36	4.95	0.80	0.67
R35A017979	CONDUIT	1.25	0	08:17	3.83	0.50	1.00
R35D010315	CONDUIT	14.00	0	08:39	5.83	0.86	0.97
R35D010359	CONDUIT	14.05	0	08:40	5.78	0.88	0.83
R35D017955	CONDUIT	14.03	0	08:37	4.95	0.79	0.67
R35D017957	CONDUIT	14.03	0	08:38	5.06	0.79	0.66
R35D017959	CONDUIT	14.03	0	08:39	5.78	0.87	0.72
R35D017960	CONDUIT	14.03	0	08:40	5.77	0.87	0.72
R35D017962	CONDUIT	14.03	0	08:41	5.92	0.87	0.71
R35D017965	CONDUIT	14.03	0	08:42	5.86	0.82	0.71
R35D017966	CONDUIT	14.03	0	08:43	5.69	0.90	0.73
R35D018403	CONDUIT	13.88	0	09:02	5.86	0.86	1.00
RFMagMeter	CONDUIT	98.26	0	07:55	7.82	0.60	1.00
SangerOFN	CONDUIT	43.96	0	07:13	18.45	0.06	0.19
SangerSewerCrossing	CONDUIT	61.39	0	07:15	2.05	1.73	1.00
SouthDiversion	CONDUIT	0.02	0	03:23	0.33	0.00	0.05
SouthDiversionDW	CONDUIT	0.02	0	06:10	2.84	0.00	0.52
SouthDiversionOF	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
SouthSewerCrossing	CONDUIT	63.29	0	07:04	11.37	34.42	1.00
SouthWashingtonOutfall	CHANNEL	0.00	0	00:00	0.00	0.00	0.00
TF1(S-C_StoreOF)	CONDUIT	53.42	0	07:12	13.93	0.14	0.25
TF10(Franklin)	CONDUIT	0.57	0	06:59	4.43	0.06	1.00
TF11(WalnutDW)	CONDUIT	0.01	0	00:33	2.07	0.00	0.02
TF12(StatedW)	CONDUIT	3.24	0	07:14	7.15	0.10	0.33
TF14(CedarDW)	CONDUIT	26.36	0	06:45	6.63	1.16	1.00
TF15(SouthDW)	CONDUIT	5.80	0	06:10	6.60	0.28	1.00
TF16(SangerDW)	CONDUIT	9.69	0	07:14	5.48	3.93	1.00
TF17(DarstDW)	CONDUIT	22.76	0	07:00	7.25	0.67	1.00
TF2(fromUpC)	CONDUIT	14.34	0	08:54	1.79	0.83	1.00
TF20(F-SwirlIN)	CONDUIT	80.95	0	07:12	6.54	0.31	1.00
TF22(toWestern&Smith)	CONDUIT	16.81	0	07:02	16.06	0.03	0.17
TF23-PF5(FultonOF)	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
TF24(F-SwirlOF)	CONDUIT	68.48	0	07:12	9.13	0.27	0.35
TF25(E-SwirlOF)	CONDUIT	64.30	0	07:07	12.09	0.22	0.32
TF26-PF6(CedarOF)	CONDUIT	132.98	0	07:10	14.88	0.32	0.40
TF27-PF9(DarstOF)	CONDUIT	72.49	0	07:13	6.33	0.09	0.34
TF28-PF7(SouthOF)	CONDUIT	35.55	0	07:12	5.94	0.08	0.26
TF29(SangerOF)	CONDUIT	61.44	0	07:13	7.11	0.39	0.34
TF4(S-CStorage)	CONDUIT	41.90	0	06:34	4.15	1.58	1.00
TF5(E-SwirlDW)	CONDUIT	16.04	0	06:27	9.07	1.63	1.00
TF8(LibertyDW)	CONDUIT	0.09	0	06:58	1.67	0.05	0.11
TF9(HarrisonDW)	CONDUIT	0.04	0	06:46	1.51	0.01	0.07
toCedarRegE	CONDUIT	18.11	0	07:07	2.79	12.25	0.71
toCedarRegN	CONDUIT	124.56	0	07:12	15.50	0.21	0.37
toFayetteRegN	CONDUIT	44.64	0	07:12	13.97	0.08	0.19
toFayetteRegW	CONDUIT	35.38	0	07:11	4.94	0.34	0.58
toGreenReg	CONDUIT	19.15	0	07:12	10.11	0.26	0.38
toHamiltonReg	CONDUIT	6.07	0	07:12	10.34	0.06	0.18
toHarrisonReg	CONDUIT	0.04	0	00:55	2.09	0.00	0.04
toLibertyReg	CONDUIT	0.09	0	00:41	2.58	0.01	0.06
toMainReg	CONDUIT	29.23	0	07:12	12.85	0.38	0.43
toWalnutReg	CONDUIT	0.01	0	08:29	1.23	0.00	0.01
WalnutBoxCulvert	CONDUIT	56.92	0	06:55	2.74	3.78	1.00
WaterOF	CONDUIT	22.22	0	07:10	5.28	0.35	0.50

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WWTP	CONDUIT	145.53	0	12:19	20.58	0.43	0.46
BypassPumps	PUMP	0.00	0	00:00		0.00	
R26C008769	PUMP	1.25	0	08:17			
ScrewPump	PUMP	72.77	0	12:19		0.78	
ScrewPumpDuplicate	PUMP	72.77	0	12:19		0.78	
CarolineRegOrifice1	ORIFICE	3.82	0	07:12			
CarolineRegOrifice2	ORIFICE	5.56	0	07:12			
CedarGate	ORIFICE	26.39	0	06:45			1.00
DarstGate	ORIFICE	22.78	0	07:00			1.00
E-SwirlGate	ORIFICE	16.04	0	06:27			1.00
F-SwirlGate	ORIFICE	38.77	0	06:36			1.00
OldEatonRegOrifice	ORIFICE	1.71	0	06:47			
SpringRegOrifice1	ORIFICE	8.81	0	06:40			
SpringRegOrifice2	ORIFICE	0.00	0	00:00			
BypassWeir	WEIR	0.00	0	00:00			0.00
CedarOFWeir	WEIR	110.80	0	07:11			0.28
DarstWeir	WEIR	61.33	0	07:13			0.20
E-SwirlEMOFWeir	WEIR	0.00	0	00:00			0.00
E-SwirlOFWeir	WEIR	62.11	0	07:09			0.16
F-SwirlEMOFWeir	WEIR	0.00	0	00:00			0.00
F-SwirlOFWeir	WEIR	68.89	0	07:12			0.07
FultonOFWeir	WEIR	0.00	0	00:00			0.00
GritDischargeWeir	WEIR	145.53	0	12:19			0.08
PL1(EatonOFWeir)	WEIR	0.00	0	00:00			0.00
PL2(GreenOFWeir)	WEIR	0.00	0	00:00			0.00
PL3(FayetteOFWeir)	WEIR	0.00	0	00:00			0.00
PL5(MainOFWeir)	WEIR	0.00	0	00:00			0.00
SangerOFWeir	WEIR	43.96	0	07:13			0.13
S-CstoreOFWeir	WEIR	53.42	0	07:12			0.09
SouthOFWeir	WEIR	35.55	0	07:12			0.27
TL1(LibertyOFWeir)	WEIR	0.00	0	00:00			0.00
TL2(HarrisonOFWeir)	WEIR	0.00	0	00:00			0.00
TL3(WalnutOFWeir)	WEIR	0.00	0	00:00			0.00
TL4(StateOFWeir)	WEIR	0.00	0	00:00			0.00
WaterOFWeir	WEIR	21.80	0	07:09			0.49
FultonHydrobrake	DUMMY	1.11	0	07:09			
S-CstoreHydrobrake	DUMMY	15.77	0	06:38			

Flow Classification Summary

Conduit	Adjusted /Actual Length	Fraction of Time in Flow Class -----								
		Dry	Up Dry	Down Dry	Sub Crit	Sup Crit	Up Crit	Down Crit	Norm Ltd	Inlet Ctrl

000-05FT_P09C000597	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.01	0.00
000-06FT_P03B011320	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
000-07FT_R27B009644	1.00	0.00	0.00	0.00	0.01	0.99	0.00	0.00	0.01	0.00
000-09FT+000-08FT_R27D009713	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
0.00 0.00										
000-10FT_R26C008767	1.00	0.00	0.00	0.00	0.96	0.03	0.00	0.00	0.00	0.00
000-11FT_R26C011562	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
003-02FP_P03D011221	1.00	0.00	0.00	0.00	0.20	0.01	0.00	0.80	0.20	0.00
003-03FP_P03C011367	1.00	0.00	0.00	0.00	0.20	0.00	0.00	0.80	0.20	0.00
003-05FT_R34D010498	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.98	0.00
003-06FT_StormConduit	1.00	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00
003-07FT_P03A011417	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.63	0.00

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003-08FT_P03A011559	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
006-03FP_P09B000707a	1.00	0.00	0.00	0.00	0.23	0.00	0.00	0.77	0.00	0.00
007-03FP_P09B000474	1.00	0.00	0.00	0.00	0.19	0.00	0.00	0.80	0.00	0.00
007-04FT_P09B000431	1.00	0.00	0.00	0.00	0.22	0.00	0.00	0.77	0.00	0.00
007-05FT_R33B010890	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
007-06FT_P04A007167	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
009-02FP_P09B020927	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.62	0.00
009-03FT_P09B000518	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
014-01FT_P09D000814	1.00	0.00	0.00	0.00	0.96	0.04	0.00	0.00	0.09	0.00
016-02FP_P08C001722	1.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00	0.13	0.00
016-03FP_P16A002634	1.00	0.19	0.00	0.00	0.79	0.03	0.00	0.00	0.58	0.00
016-04FT_016-04(2)	1.00	0.78	0.01	0.00	0.03	0.18	0.00	0.00	0.69	0.00
016-06FT_P04D007067	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.98	0.00
016-07FT_P05C006697	1.00	0.00	0.00	0.00	0.91	0.09	0.00	0.00	0.98	0.00
016-08FT_P09A000318	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
016-09FT_P08D001490	1.00	0.01	0.00	0.00	0.00	0.99	0.00	0.00	0.98	0.00
017-02FP_P17B000983	1.00	0.00	0.00	0.00	0.15	0.01	0.00	0.84	0.12	0.00
017-04FT_P17C002297	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.01	0.00
018-02LE_P17D002325	1.00	0.86	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00
018-03LE_P17D002324	1.00	0.90	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00
018-04FP_P17D002352	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
018-05FP_P17D002319	1.00	0.00	0.00	0.00	0.99	0.01	0.00	0.00	0.84	0.00
018-06FP_P17D002322	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.94	0.00
018-07FT_P17D002358	1.00	0.00	0.00	0.00	0.00	0.21	0.00	0.78	0.20	0.00
018-08FT_P17D002320	1.00	0.00	0.00	0.00	0.10	0.00	0.00	0.90	0.06	0.00
018-09FT_P17D002323	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
018-10FE_P17D002300	1.00	0.00	0.00	0.00	0.22	0.78	0.00	0.00	0.00	0.00
019-02FP_P19B002041	1.00	0.00	0.00	0.00	0.00	0.06	0.00	0.94	0.01	0.00
019-03FT_P19B000678	1.00	0.00	0.00	0.00	0.12	0.87	0.00	0.01	0.00	0.00
019-04FT_P07D002710	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
019-05FT_L13B002919	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
019-06FT_P18A001098	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.93	0.00
019-07FT_P18A001126	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
019-08FT_P18D002082	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
019-10FT_P08D001420	1.00	0.19	0.31	0.00	0.26	0.24	0.00	0.00	0.28	0.00
AtlanticAve3	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BarScreenChannels	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
BypassConduit1	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BypassConduit2	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BypassConduit3	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CedarOutfall	1.00	0.20	0.00	0.00	0.58	0.22	0.00	0.00	0.00	0.00
CedarSewerCrossing	1.00	0.20	0.00	0.00	0.80	0.00	0.00	0.00	0.00	0.00
EatonSewerCrossing	1.00	0.20	0.59	0.00	0.01	0.20	0.00	0.00	0.16	0.00
FayetteSewerCrossing	1.00	0.21	0.61	0.00	0.19	0.00	0.00	0.00	0.64	0.00
F-SWIRL-DW1	1.00	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00
F-SWIRL-OF	1.00	0.21	0.63	0.00	0.16	0.00	0.00	0.00	0.64	0.00
FultonStorm	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
KPMagMeter	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
L13B005075	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
LibertySewerCrossing	1.00	0.04	0.00	0.00	0.40	0.00	0.00	0.57	0.00	0.00
P02A011271	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.76	0.00
P02A011275	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00
P02A011276	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.89	0.00
P02A011277	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.94	0.00
P03A010094	1.00	0.19	0.00	0.00	0.00	0.00	0.00	0.81	0.00	0.00
P03A011386	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P03A011399	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.93	0.00
P03A011400	1.00	0.00	0.00	0.00	0.19	0.81	0.00	0.00	0.20	0.00
P03A011419	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P03A011420	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P03A011421	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.85	0.00
P03A011422	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00

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P03A011423	1.00	0.00	0.00	0.00	0.19	0.81	0.00	0.00	0.74	0.00
P03A011425	1.00	0.00	0.00	0.00	0.01	0.99	0.00	0.00	1.00	0.00
P03A011430	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.01	0.00
P03A011436	1.00	0.19	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P03A011437	1.00	0.19	0.00	0.00	0.58	0.24	0.00	0.00	0.72	0.00
P03A011438	1.00	0.19	0.00	0.00	0.00	0.00	0.00	0.81	0.00	0.00
P03A011441	1.00	0.19	0.00	0.00	0.57	0.24	0.00	0.00	0.78	0.00
P03A011442	1.00	0.76	0.00	0.00	0.01	0.23	0.00	0.00	0.80	0.00
P03A011444	1.00	0.75	0.00	0.00	0.01	0.23	0.00	0.00	0.71	0.00
P03A011445	1.00	0.19	0.57	0.00	0.25	0.00	0.00	0.00	0.80	0.00
P03B011270	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.01	0.00
P03B011296	1.00	0.19	0.00	0.00	0.54	0.27	0.00	0.00	0.56	0.00
P03B011319	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00	0.22	0.00
P03B011324	1.00	0.02	0.00	0.00	0.97	0.00	0.00	0.02	0.00	0.00
P03B011326	1.00	0.02	0.00	0.00	0.97	0.00	0.00	0.01	0.00	0.00
P03B011449	1.00	0.19	0.00	0.00	0.55	0.26	0.00	0.00	0.58	0.00
P03B017970	1.00	0.01	0.00	0.00	0.98	0.00	0.00	0.00	0.00	0.00
P03B017973	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.27	0.00
P03C011231	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P03C011358	1.00	0.19	0.00	0.00	0.00	0.00	0.00	0.81	0.00	0.00
P03C011362	1.00	0.02	0.00	0.00	0.97	0.00	0.00	0.01	0.53	0.00
P03C011365	1.00	0.19	0.00	0.00	0.81	0.00	0.00	0.00	0.49	0.00
P03C011366	1.00	0.19	0.00	0.00	0.45	0.00	0.00	0.36	0.00	0.00
P03C011367a	1.00	0.68	0.09	0.00	0.21	0.01	0.00	0.01	0.58	0.00
P03C011368	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P03C011369	1.00	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.04	0.00
P03C020062	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.80	0.00
P03D011193	1.00	0.19	0.00	0.00	0.81	0.01	0.00	0.00	0.60	0.00
P03D011197	1.00	0.02	0.00	0.00	0.97	0.00	0.00	0.01	0.14	0.00
P03D011198	1.00	0.03	0.00	0.00	0.96	0.00	0.00	0.01	0.03	0.00
P03D011199	1.00	0.04	0.00	0.00	0.93	0.00	0.00	0.03	0.32	0.00
P03D011212	1.00	0.00	0.00	0.00	0.19	0.81	0.00	0.00	0.00	0.00
P03D011216	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
P03D011217	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.20	0.00
P03D011230	1.00	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00
P03D011234	1.00	0.01	0.00	0.00	0.97	0.00	0.00	0.02	0.00	0.00
P03D011235	1.00	0.01	0.00	0.00	0.98	0.00	0.00	0.00	0.00	0.00
P03D011237	1.00	0.01	0.00	0.00	0.78	0.00	0.00	0.21	0.00	0.00
P03D011253	1.00	0.19	0.00	0.00	0.81	0.01	0.00	0.00	0.78	0.00
P03D011256	1.00	0.19	0.00	0.00	0.80	0.01	0.00	0.00	0.59	0.00
P03D011257	1.00	0.19	0.00	0.00	0.60	0.21	0.00	0.00	0.40	0.00
P03D011259	1.00	0.00	0.56	0.00	0.44	0.00	0.00	0.00	0.79	0.00
P03D011363	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.01	0.00	0.00
P03D011383	1.00	0.00	0.00	0.00	0.29	0.71	0.00	0.00	0.78	0.00
P03D011593	1.00	0.19	0.00	0.00	0.00	0.00	0.00	0.81	0.00	0.00
P03D011595	1.00	0.19	0.50	0.00	0.11	0.21	0.00	0.00	0.80	0.00
P03D011598	1.00	0.02	0.00	0.00	0.93	0.00	0.00	0.05	0.00	0.00
P03D011600	1.00	0.00	0.01	0.00	0.98	0.00	0.00	0.00	0.01	0.00
P04A007117	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.98	0.00
P04A007185	1.00	0.19	0.00	0.00	0.00	0.00	0.00	0.81	0.00	0.00
P04A007193	1.00	0.67	0.02	0.00	0.31	0.00	0.00	0.00	0.80	0.00
P04A007220	1.00	0.19	0.00	0.00	0.81	0.00	0.00	0.00	0.49	0.00
P04A007224	1.00	0.67	0.01	0.00	0.32	0.00	0.00	0.00	0.79	0.00
P04A017929	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.19	0.00
P04A017932	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
P04B011105	1.00	0.19	0.00	0.00	0.00	0.15	0.00	0.66	0.15	0.00
P04B011106	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P04B011107	1.00	0.19	0.59	0.00	0.22	0.00	0.00	0.00	0.58	0.00
P04B011108	1.00	0.19	0.00	0.00	0.00	0.00	0.00	0.81	0.00	0.00
P04B011109	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P04B011110	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P04B011111	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00

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P04B011130	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P04B017939	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.94	0.00
P04C010905	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.08	0.00
P04C010913	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.93	0.00
P04C010914	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.94	0.00
P04C010915	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P04C010918	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P04C010919	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
P04C010951	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.99	0.00
P04C010951a	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P04C010965	1.00	0.19	0.00	0.00	0.00	0.00	0.00	0.81	0.00	0.00
P04C010974	1.00	0.19	0.50	0.00	0.32	0.00	0.00	0.00	0.73	0.00
P04C010976	1.00	0.19	0.00	0.00	0.78	0.03	0.00	0.00	0.00	0.00
P04C010993	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P04C011007	1.00	0.00	0.00	0.00	0.30	0.70	0.00	0.00	0.18	0.00
P04C011009	1.00	0.00	0.00	0.00	0.53	0.47	0.00	0.00	0.94	0.00
P04C011014	1.00	0.00	0.00	0.00	0.77	0.23	0.00	0.00	0.00	0.00
P04C011015	1.00	0.00	0.00	0.00	0.72	0.28	0.00	0.00	0.97	0.00
P04C011030	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
P04C011569	1.00	0.19	0.00	0.00	0.51	0.30	0.00	0.00	0.78	0.00
P04C011575	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P04C011579	1.00	0.00	0.00	0.00	0.02	0.98	0.00	0.00	0.02	0.00
P04C011580	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
P04C011587	1.00	0.19	0.50	0.00	0.32	0.00	0.00	0.00	0.80	0.00
P04C011707	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
P04C019721	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
P04C019722	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P04C019726	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P04C019738	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P04C019739	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P04C019741	1.00	0.82	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P04D006646	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P04D006882	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
P04D006998	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00
P04D006999	1.00	0.00	0.00	0.00	0.01	0.99	0.00	0.00	0.93	0.00
P04D007016	1.00	0.19	0.47	0.00	0.13	0.21	0.00	0.00	0.79	0.00
P04D007044	1.00	0.19	0.54	0.00	0.12	0.15	0.00	0.00	0.75	0.00
P04D007045	1.00	0.19	0.00	0.00	0.65	0.17	0.00	0.00	0.00	0.00
P04D007046	1.00	0.19	0.57	0.00	0.07	0.17	0.00	0.00	0.77	0.00
P04D007047	1.00	0.19	0.00	0.00	0.57	0.24	0.00	0.00	0.60	0.00
P04D007052	1.00	0.19	0.00	0.00	0.00	0.00	0.00	0.81	0.00	0.00
P04D007065	1.00	0.67	0.01	0.00	0.32	0.00	0.00	0.00	0.78	0.00
P04D007066	1.00	0.00	0.63	0.00	0.35	0.02	0.00	0.00	0.80	0.00
P04D007068	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
P04D007073	1.00	0.63	0.04	0.00	0.24	0.09	0.00	0.00	0.48	0.00
P04D007074	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P04D007100	1.00	0.19	0.00	0.00	0.58	0.24	0.00	0.00	0.73	0.00
P04D011003	1.00	0.19	0.00	0.00	0.74	0.08	0.00	0.00	0.26	0.00
P04D011568	1.00	0.19	0.00	0.00	0.81	0.00	0.00	0.00	0.33	0.00
P04D017936	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.05	0.00
P04D017938	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.16	0.00
P05C005364	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P05C005365	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
P05C005369	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P05C005370	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.99	0.00
P05C005434	1.00	0.19	0.00	0.00	0.00	0.00	0.00	0.81	0.00	0.00
P05C006654	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P05C006666	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P05C006685	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.99	0.00
P05C006693	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P05C006694	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P05C006699	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00

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P05C006713	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.99	0.00
P05C006717	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P05C006718	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P05C006721	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P05C006725	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P05C006726	1.00	0.00	0.00	0.00	0.94	0.06	0.00	0.00	0.00	0.00
P05D005381	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P05D005390	1.00	0.19	0.00	0.00	0.00	0.00	0.00	0.81	0.00	0.00
P05D005395	1.00	0.19	0.00	0.00	0.60	0.22	0.00	0.00	0.53	0.00
P05D005405	1.00	0.19	0.00	0.00	0.74	0.07	0.00	0.00	0.28	0.00
P05D019248	1.00	0.19	0.00	0.00	0.60	0.21	0.00	0.00	0.32	0.00
P07C001452	1.00	0.00	0.49	0.00	0.51	0.00	0.00	0.00	0.70	0.00
P07C001454	1.00	0.19	0.00	0.00	0.78	0.03	0.00	0.00	0.00	0.00
P07C001458	1.00	0.19	0.30	0.00	0.51	0.00	0.00	0.00	0.40	0.00
P07C001462	1.00	0.19	0.30	0.00	0.51	0.00	0.00	0.00	0.64	0.00
P07C001463	1.00	0.19	0.00	0.00	0.81	0.00	0.00	0.00	0.30	0.00
P07C001464	1.00	0.49	0.00	0.00	0.51	0.00	0.00	0.00	0.46	0.00
P07C001470	1.00	0.49	0.00	0.00	0.51	0.00	0.00	0.00	0.50	0.00
P07C001471	1.00	0.49	0.00	0.00	0.51	0.00	0.00	0.00	0.43	0.00
P07C001472	1.00	0.19	0.00	0.00	0.00	0.00	0.00	0.81	0.00	0.00
P07C001473	1.00	0.19	0.31	0.00	0.50	0.00	0.00	0.00	0.80	0.00
P07C001474	1.00	0.19	0.00	0.00	0.81	0.00	0.00	0.00	0.00	0.00
P07C001475	1.00	0.19	0.00	0.00	0.73	0.08	0.00	0.00	0.69	0.00
P07C001482	1.00	0.19	0.00	0.00	0.61	0.21	0.00	0.00	0.43	0.00
P07C001483	1.00	0.19	0.00	0.00	0.81	0.00	0.00	0.00	0.39	0.00
P07C001491	1.00	0.19	0.00	0.00	0.48	0.33	0.00	0.00	0.37	0.00
P07C001493	1.00	0.19	0.00	0.00	0.81	0.00	0.00	0.00	0.74	0.00
P07C001494	1.00	0.19	0.00	0.00	0.81	0.00	0.00	0.00	0.35	0.00
P07C001532	1.00	0.00	0.00	0.00	0.14	0.86	0.00	0.00	1.00	0.00
P07C001533	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.78	0.00
P07C021561	1.00	0.19	0.00	0.00	0.81	0.01	0.00	0.00	0.60	0.00
P07D001517	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P07D001523	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
P07D001524	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P07D001527	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
P07D001528	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P07D001529	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P07D002709	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
P07D017896	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
P08A001553	1.00	0.19	0.44	0.00	0.37	0.00	0.00	0.00	0.36	0.00
P08A001572	1.00	0.19	0.00	0.00	0.59	0.22	0.00	0.00	0.71	0.00
P08A001579	1.00	0.19	0.00	0.00	0.71	0.10	0.00	0.00	0.74	0.00
P08A001591	1.00	0.19	0.00	0.00	0.81	0.00	0.00	0.00	0.00	0.00
P08A001592	1.00	0.19	0.44	0.00	0.21	0.16	0.00	0.00	0.60	0.00
P08A001595	1.00	0.19	0.00	0.00	0.57	0.24	0.00	0.00	0.05	0.00
P08A001611	1.00	0.00	0.63	0.00	0.16	0.21	0.00	0.00	0.75	0.00
P08A001612	1.00	0.00	0.00	0.00	0.05	0.95	0.00	0.00	0.12	0.00
P08A001618	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.95	0.00
P08A001619	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00	0.00	0.00
P08A001621	1.00	0.01	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
P08A001839	1.00	0.78	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P08A001840	1.00	0.78	0.00	0.00	0.17	0.05	0.00	0.00	0.78	0.00
P08B000172	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.21	0.00
P08B000173	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P08B000174	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
P08B000175	1.00	0.00	0.00	0.00	0.79	0.20	0.00	0.00	0.99	0.00
P08B000176	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P08B000177	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.93	0.00
P08B000178	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P08B000184	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.99	0.00
P08B000185	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.37	0.00
P08B000237	1.00	0.77	0.00	0.00	0.22	0.00	0.00	0.00	0.80	0.00

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P08B000239	1.00	0.77	0.01	0.00	0.20	0.03	0.00	0.00	0.59	0.00
P08B000240	1.00	0.19	0.58	0.00	0.23	0.00	0.00	0.00	0.79	0.00
P08B000241	1.00	0.19	0.00	0.00	0.06	0.00	0.00	0.76	0.02	0.00
P08B000242	1.00	0.78	0.00	0.00	0.06	0.16	0.00	0.00	0.79	0.00
P08B000276	1.00	0.00	0.00	0.00	0.78	0.21	0.00	0.00	0.00	0.00
P08B000277	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.99	0.00
P08B000278	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P08B000303	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.02	0.00
P08B000305	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.96	0.00
P08B000306	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P08B001637	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.91	0.00
P08B001841	1.00	0.77	0.00	0.00	0.22	0.00	0.00	0.00	0.79	0.00
P08B002662	1.00	0.00	0.00	0.00	0.01	0.99	0.00	0.00	0.00	0.00
P08C001638	1.00	0.75	0.00	0.00	0.25	0.00	0.00	0.00	0.04	0.00
P08C001640	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P08C001642	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00	0.96	0.00
P08C001648	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.83	0.00
P08C001650	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P08C001651	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.91	0.00
P08C001656	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P08C001660	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.91	0.00
P08C001671	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P08C001674	1.00	0.00	0.00	0.00	0.20	0.80	0.00	0.00	0.10	0.00
P08C001687	1.00	0.19	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P08C001688	1.00	0.75	0.00	0.00	0.19	0.06	0.00	0.00	0.56	0.00
P08C001689	1.00	0.19	0.56	0.00	0.25	0.00	0.00	0.00	0.80	0.00
P08C001690	1.00	0.19	0.00	0.00	0.00	0.00	0.00	0.81	0.00	0.00
P08C001713	1.00	0.19	0.45	0.00	0.35	0.00	0.00	0.00	0.26	0.00
P08C001725	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P08C001729	1.00	0.19	0.00	0.00	0.65	0.16	0.00	0.00	0.00	0.00
P08C001730	1.00	0.00	0.67	0.00	0.33	0.00	0.00	0.00	0.79	0.00
P08C001731	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.79	0.00
P08C001738	1.00	0.74	0.02	0.00	0.23	0.00	0.00	0.00	0.79	0.00
P08C001740	1.00	0.19	0.55	0.00	0.10	0.16	0.00	0.00	0.00	0.00
P08C001741	1.00	0.19	0.00	0.00	0.07	0.02	0.00	0.72	0.09	0.00
P08C001743	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.90	0.00
P08C001744	1.00	0.19	0.00	0.00	0.76	0.06	0.00	0.00	0.50	0.00
P08C001749	1.00	0.19	0.00	0.00	0.04	0.04	0.00	0.73	0.08	0.00
P08C001753	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P08C001754	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P08C001758	1.00	0.00	0.00	0.00	0.06	0.94	0.00	0.00	0.89	0.00
P08C001759	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.79	0.00
P08C001760	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P08C001844	1.00	0.77	0.00	0.00	0.23	0.00	0.00	0.00	0.60	0.00
P08C001845	1.00	0.19	0.59	0.00	0.16	0.07	0.00	0.00	0.66	0.00
P08C001846	1.00	0.19	0.00	0.00	0.04	0.00	0.00	0.77	0.04	0.00
P08C001849	1.00	0.02	0.00	0.00	0.81	0.17	0.00	0.00	0.00	0.00
P08C001860	1.00	0.02	0.00	0.00	0.54	0.44	0.00	0.00	0.94	0.00
P08D001412	1.00	0.01	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
P08D001421	1.00	0.19	0.00	0.00	0.00	0.00	0.00	0.81	0.00	0.00
P08D001484A	1.00	0.01	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
P08D001626	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
P08D001834	1.00	0.01	0.00	0.00	0.00	0.99	0.00	0.00	0.97	0.00
P08D001835	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.97	0.00
P08D001861	1.00	0.75	0.00	0.00	0.25	0.00	0.00	0.00	0.77	0.00
P08D001867	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00
P08D001883	1.00	0.73	0.02	0.00	0.25	0.00	0.00	0.00	0.58	0.00
P08D001884	1.00	0.01	0.72	0.00	0.27	0.00	0.00	0.00	0.80	0.00
P08D001894	1.00	0.19	0.00	0.00	0.73	0.08	0.00	0.00	0.79	0.00
P08D001897	1.00	0.19	0.57	0.00	0.24	0.00	0.00	0.00	0.79	0.00
P08D001898	1.00	0.19	0.00	0.00	0.81	0.01	0.00	0.00	0.59	0.00
P08D001899	1.00	0.19	0.00	0.00	0.60	0.21	0.00	0.00	0.03	0.00

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P08D0001908	1.00	0.01	0.00	0.00	0.98	0.01	0.00	0.00	0.96	0.00
P08D0001909	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
P08D0001929	1.00	0.78	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P08D0001941	1.00	0.78	0.00	0.00	0.18	0.04	0.00	0.00	0.59	0.00
P08D0001942	1.00	0.78	0.01	0.00	0.16	0.06	0.00	0.00	0.79	0.00
P08D0001943	1.00	0.76	0.01	0.00	0.22	0.01	0.00	0.00	0.79	0.00
P08D0001945	1.00	0.75	0.01	0.00	0.24	0.00	0.00	0.00	0.80	0.00
P09A0000218	1.00	0.00	0.00	0.00	0.00	0.05	0.00	0.95	0.05	0.00
P09A0000302	1.00	0.00	0.00	0.00	0.18	0.82	0.00	0.00	0.94	0.00
P09A0000317	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P09A0000319	1.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00	0.99	0.00
P09A0000327	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.07	0.00
P09A0000328	1.00	0.00	0.00	0.00	0.00	0.40	0.00	0.60	0.24	0.00
P09A0000329	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P09A0000607	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
P09A0000608	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
P09A0002644	1.00	0.00	0.55	0.00	0.45	0.00	0.00	0.00	0.80	0.00
P09A0006883	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P09B0000428	1.00	0.19	0.00	0.00	0.60	0.22	0.00	0.00	0.52	0.00
P09B0000431a	1.00	0.00	0.00	0.00	0.25	0.00	0.00	0.75	0.00	0.00
P09B0000435	1.00	0.00	0.00	0.00	0.23	0.00	0.00	0.77	0.00	0.00
P09B0000440	1.00	0.02	0.00	0.00	0.95	0.00	0.00	0.03	0.00	0.00
P09B0000441	1.00	0.02	0.00	0.00	0.97	0.00	0.00	0.00	0.00	0.00
P09B0000442	1.00	0.03	0.00	0.00	0.81	0.00	0.00	0.17	0.00	0.00
P09B0000457	1.00	0.19	0.00	0.00	0.34	0.47	0.00	0.00	0.23	0.00
P09B0000458	1.00	0.19	0.00	0.00	0.40	0.41	0.00	0.00	0.26	0.00
P09B0000469	1.00	0.19	0.00	0.00	0.46	0.35	0.00	0.00	0.00	0.00
P09B0000470	1.00	0.19	0.00	0.00	0.49	0.32	0.00	0.00	0.75	0.00
P09B0000472a	1.00	0.94	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09B0000473	1.00	0.19	0.00	0.00	0.18	0.00	0.00	0.64	0.00	0.00
P09B0000475	1.00	0.19	0.00	0.00	0.26	0.00	0.00	0.56	0.01	0.00
P09B0000476	1.00	0.03	0.00	0.00	0.96	0.00	0.00	0.01	0.00	0.00
P09B0000478a	1.00	0.03	0.00	0.00	0.96	0.00	0.00	0.00	0.00	0.00
P09B0000478b	1.00	0.01	0.01	0.00	0.97	0.00	0.01	0.00	0.00	0.00
P09B0000493	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P09B0000501	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00
P09B0000503	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
P09B0000505U	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09B0000505V	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09B0000505W	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09B0000505X	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09B0000505Y	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09B0000505Z	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09B0000514	1.00	0.00	0.00	0.00	0.29	0.32	0.00	0.39	0.56	0.00
P09B0000516	1.00	0.00	0.00	0.00	0.03	0.00	0.00	0.97	0.00	0.00
P09B0000520	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P09B0000521	1.00	0.00	0.00	0.00	0.98	0.02	0.00	0.00	0.29	0.00
P09B0000521A	1.00	0.00	0.00	0.00	0.14	0.01	0.00	0.85	0.01	0.00
P09B0000524	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09B0000537	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.98	0.00
P09B0000540	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00
P09B0000550	1.00	0.00	0.00	0.00	0.23	0.77	0.00	0.00	0.07	0.00
P09B0000553	1.00	0.98	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09B0000554	1.00	0.71	0.13	0.00	0.16	0.00	0.00	0.00	0.66	0.00
P09B0000554a	1.00	0.86	0.13	0.00	0.02	0.00	0.00	0.00	0.79	0.00
P09B0000555	1.00	0.00	0.70	0.00	0.29	0.00	0.00	0.00	0.57	0.00
P09B0000556	1.00	0.00	0.00	0.00	0.99	0.01	0.00	0.00	0.03	0.00
P09B0000561	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00
P09B0000562	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
P09B0000571	1.00	0.19	0.26	0.00	0.17	0.39	0.00	0.00	0.79	0.00
P09B0000573	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.83	0.00
P09B0000577	1.00	0.19	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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P09B000780W	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09B000780X	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09B000780XX	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09B000815X	1.00	0.93	0.00	0.00	0.00	0.06	0.00	0.01	0.06	0.00
P09B000815Z	1.00	0.20	0.00	0.00	0.76	0.04	0.00	0.00	0.01	0.00
P09B000815ZZ	1.00	0.20	0.00	0.00	0.60	0.20	0.00	0.00	0.09	0.00
P09B000815ZZa	1.00	0.20	0.00	0.00	0.59	0.21	0.00	0.00	0.05	0.00
P09B000826F	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09B000826X	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09B000826XX	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09B000826Y	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09B000826Z	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09B000904W	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09B000904X	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09B000910I	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09B000910Y	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09B000910Z	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09B000964b	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09B001025X	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09B001025Y	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09B001025Z	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09B002665	1.00	0.19	0.00	0.00	0.00	0.00	0.00	0.81	0.00	0.00
P09B019743	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.99	0.00
P09B019745	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P09B019746	1.00	0.19	0.00	0.00	0.54	0.28	0.00	0.00	0.57	0.00
P09B019749	1.00	0.00	0.71	0.00	0.28	0.00	0.00	0.00	0.76	0.00
P09B019752	1.00	0.20	0.00	0.00	0.00	0.00	0.00	0.80	0.00	0.00
P09B019753	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.01	0.00
P09B019756	1.00	0.02	0.00	0.00	0.29	0.00	0.00	0.69	0.00	0.00
P09B019757	1.00	0.02	0.00	0.00	0.96	0.00	0.02	0.00	0.00	0.00
P09B019758	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00
P09B019759	1.00	0.03	0.01	0.00	0.95	0.00	0.00	0.00	0.01	0.00
P09B019761	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00
P09B019762	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00
P09B019763	1.00	0.01	0.00	0.00	0.89	0.10	0.00	0.00	0.00	0.00
P09B019765	1.00	0.00	0.00	0.00	0.98	0.00	0.00	0.02	0.02	0.00
P09B019767	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.01	0.01	0.00
P09B019768	1.00	0.01	0.00	0.00	0.98	0.00	0.01	0.00	0.00	0.00
P09B019771	1.00	0.21	0.00	0.00	0.10	0.00	0.69	0.00	0.00	0.00
P09B019772	1.00	0.21	0.74	0.00	0.06	0.00	0.00	0.00	0.73	0.00
P09B019776	1.00	0.93	0.04	0.00	0.03	0.00	0.00	0.00	0.75	0.00
P09B019777	1.00	0.21	0.00	0.00	0.00	0.00	0.00	0.79	0.00	0.00
P09B019779	1.00	0.21	0.00	0.00	0.00	0.00	0.00	0.79	0.00	0.00
P09B019780	1.00	0.21	0.00	0.00	0.64	0.15	0.00	0.00	0.07	0.00
P09B019780b	1.00	0.21	0.00	0.00	0.00	0.14	0.00	0.66	0.03	0.00
P09B019782	1.00	0.21	0.00	0.00	0.00	0.00	0.00	0.79	0.00	0.00
P09B019783	1.00	0.21	0.00	0.00	0.63	0.16	0.00	0.00	0.04	0.00
P09B019891	1.00	0.00	0.00	0.00	0.17	0.00	0.00	0.83	0.01	0.00
P09B019892	1.00	0.00	0.00	0.00	0.18	0.00	0.00	0.82	0.17	0.00
P09B020925	1.00	0.00	0.00	0.00	0.21	0.00	0.00	0.79	0.01	0.00
P09B020926	1.00	0.00	0.00	0.00	0.22	0.00	0.00	0.78	0.00	0.00
P09B020928	1.00	0.00	0.00	0.00	0.23	0.77	0.00	0.00	0.00	0.00
P09B020934	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P09B020935	1.00	0.00	0.00	0.00	0.38	0.20	0.00	0.42	0.34	0.00
P09B021053	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09B021054	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09B021055	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09B021056	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09C000579	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.04	0.00
P09C000586	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
P09C000587	1.00	0.00	0.00	0.00	0.12	0.88	0.00	0.00	0.18	0.00
P09C000589	1.00	0.02	0.00	0.00	0.97	0.00	0.00	0.01	0.00	0.00

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P09C000590	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.01	0.00	0.00
P09C000591	1.00	0.00	0.00	0.00	0.20	0.79	0.00	0.00	0.99	0.00
P09C000594	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00	0.00	0.00
P09C000595	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00	0.00	0.00
P09C000596	1.00	0.03	0.00	0.00	0.96	0.00	0.00	0.00	0.00	0.00
P09C000599	1.00	0.00	0.00	0.00	0.20	0.00	0.00	0.80	0.20	0.00
P09C000603	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.01	0.00
P09C001146W	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09C001146X	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09C001146Y	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09C001146Z	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09C019063	1.00	0.00	0.00	0.00	0.22	0.00	0.00	0.77	0.02	0.00
P09D000732	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P09D000735	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P09D000736a	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09D000736b	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09D000736c	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09D000740	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P09D000741	1.00	0.00	0.00	0.00	0.98	0.00	0.00	0.01	0.01	0.00
P09D000759	1.00	0.19	0.00	0.00	0.00	0.00	0.00	0.81	0.00	0.00
P09D000765	1.00	0.19	0.00	0.00	0.06	0.23	0.00	0.52	0.28	0.00
P09D000766	1.00	0.19	0.54	0.00	0.27	0.00	0.00	0.00	0.77	0.00
P09D000801	1.00	0.01	0.00	0.00	0.99	0.00	0.01	0.00	0.00	0.00
P09D000804	1.00	0.01	0.01	0.00	0.98	0.00	0.01	0.00	0.00	0.00
P09D000811	1.00	0.00	0.00	0.00	0.25	0.00	0.00	0.75	0.24	0.00
P09D000813	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
P09D000816	1.00	0.00	0.00	0.00	0.84	0.16	0.00	0.00	0.00	0.00
P09D001389Y	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09D001389Z	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09D001705	1.00	0.19	0.58	0.00	0.23	0.00	0.00	0.00	0.80	0.00
P09D001706	1.00	0.83	0.07	0.00	0.09	0.00	0.00	0.00	0.73	0.00
P09D001707	1.00	0.19	0.00	0.00	0.22	0.00	0.00	0.59	0.59	0.00
P09D001708	1.00	0.19	0.00	0.00	0.24	0.00	0.00	0.58	0.59	0.00
P09D001709	1.00	0.19	0.00	0.00	0.00	0.00	0.00	0.81	0.00	0.00
P09D001710	1.00	0.19	0.54	0.00	0.27	0.00	0.00	0.00	0.80	0.00
P09D001711	1.00	0.19	0.00	0.00	0.81	0.00	0.00	0.00	0.00	0.00
P09D001775	1.00	0.91	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P10A000278V	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P10A000278W	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P10A000278X	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P10A000278Z	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P10A000824	1.00	0.19	0.00	0.00	0.22	0.00	0.00	0.59	0.00	0.00
P10A000825	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P10A000827	1.00	0.19	0.00	0.00	0.21	0.00	0.00	0.60	0.01	0.00
P10A000851	1.00	0.01	0.00	0.00	0.98	0.00	0.00	0.00	0.00	0.00
P10A000852	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00	0.00	0.00
P10A000858	1.00	0.01	0.00	0.00	0.98	0.00	0.00	0.01	0.00	0.00
P10A000860	1.00	0.01	0.00	0.00	0.98	0.00	0.00	0.00	0.00	0.00
P10A000861	1.00	0.05	0.00	0.00	0.92	0.00	0.00	0.03	0.51	0.00
P10A000865	1.00	0.07	0.00	0.00	0.36	0.00	0.00	0.56	0.00	0.00
P10A000867	1.00	0.67	0.01	0.00	0.32	0.00	0.00	0.00	0.76	0.00
P10A000868	1.00	0.19	0.48	0.00	0.33	0.00	0.00	0.00	0.48	0.00
P10A000869	1.00	0.19	0.00	0.00	0.00	0.00	0.00	0.81	0.00	0.00
P10A000870	1.00	0.19	0.00	0.00	0.17	0.01	0.00	0.63	0.15	0.00
P10A000871	1.00	0.19	0.00	0.00	0.00	0.00	0.00	0.81	0.00	0.00
P10A002657	1.00	0.19	0.00	0.00	0.57	0.00	0.00	0.25	0.48	0.00
P10A002658	1.00	0.19	0.00	0.00	0.00	0.21	0.00	0.60	0.20	0.00
P10A002659	1.00	0.19	0.00	0.00	0.00	0.08	0.00	0.73	0.00	0.00
P10A019754	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00
P10A019755	1.00	0.02	0.00	0.00	0.24	0.00	0.00	0.75	0.00	0.00
P10A019781	1.00	0.21	0.00	0.00	0.00	0.00	0.00	0.79	0.00	0.00
P16A001036	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.01	0.00

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P16A002614	1.00	0.01	0.00	0.00	0.98	0.00	0.00	0.01	0.01	0.00
P16A002615	1.00	0.01	0.00	0.00	0.74	0.00	0.00	0.26	0.00	0.00
P16A002617	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P16A002618	1.00	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00
P16A002619	1.00	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00
P16A002623	1.00	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00
P16A002624	1.00	0.00	0.00	0.00	0.24	0.76	0.00	0.00	0.71	0.00
P16A002626	1.00	0.00	0.00	0.00	0.23	0.00	0.00	0.76	0.23	0.00
P16A002627	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P16A002628	1.00	0.00	0.00	0.00	0.23	0.77	0.00	0.00	0.76	0.00
P16A002629	1.00	0.00	0.00	0.00	0.26	0.74	0.00	0.00	0.03	0.00
P16A002632Y	1.00	0.20	0.00	0.00	0.00	0.07	0.00	0.74	0.00	0.00
P16A002632Ya	1.00	0.20	0.59	0.00	0.00	0.21	0.00	0.00	0.70	0.00
P16A021582	1.00	0.19	0.51	0.00	0.30	0.00	0.00	0.00	0.63	0.00
P17A000954	1.00	0.19	0.00	0.00	0.59	0.23	0.00	0.00	0.80	0.00
P17A000956	1.00	0.19	0.00	0.00	0.60	0.21	0.00	0.00	0.43	0.00
P17A000957	1.00	0.19	0.00	0.00	0.59	0.22	0.00	0.00	0.68	0.00
P17A001289	1.00	0.65	0.07	0.00	0.29	0.00	0.00	0.00	0.80	0.00
P17A001291	1.00	0.00	0.65	0.00	0.35	0.00	0.00	0.00	0.80	0.00
P17A001292	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P17A001296	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00
P17A002641	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.03	0.00
P17B000622	1.00	0.00	0.69	0.00	0.30	0.01	0.00	0.00	0.80	0.00
P17B000628	1.00	0.19	0.00	0.00	0.55	0.27	0.00	0.00	0.00	0.00
P17B000629	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.16	0.00
P17B000986	1.00	0.00	0.61	0.00	0.39	0.00	0.00	0.00	0.55	0.00
P17B000988	1.00	0.19	0.00	0.00	0.00	0.00	0.00	0.81	0.00	0.00
P17B000990	1.00	0.19	0.00	0.00	0.60	0.21	0.00	0.00	0.36	0.00
P17B000991	1.00	0.19	0.00	0.00	0.00	0.00	0.00	0.81	0.00	0.00
P17B000992	1.00	0.19	0.43	0.00	0.13	0.25	0.00	0.00	0.43	0.00
P17B000997	1.00	0.19	0.00	0.00	0.66	0.15	0.00	0.00	0.36	0.00
P17B000998	1.00	0.19	0.43	0.00	0.21	0.16	0.00	0.00	0.01	0.00
P17B001002	1.00	0.19	0.00	0.00	0.60	0.21	0.00	0.00	0.54	0.00
P17B001003	1.00	0.19	0.00	0.00	0.81	0.00	0.00	0.00	0.26	0.00
P17B001004	1.00	0.19	0.45	0.00	0.36	0.00	0.00	0.00	0.63	0.00
P17B001005	1.00	0.19	0.00	0.00	0.00	0.00	0.00	0.81	0.00	0.00
P17B001007	1.00	0.19	0.43	0.00	0.38	0.00	0.00	0.00	0.43	0.00
P17B001014	1.00	0.19	0.00	0.00	0.81	0.00	0.00	0.00	0.80	0.00
P17B001015	1.00	0.19	0.00	0.00	0.59	0.23	0.00	0.00	0.55	0.00
P17B001018	1.00	0.19	0.00	0.00	0.61	0.21	0.00	0.00	0.76	0.00
P17B001019	1.00	0.19	0.00	0.00	0.60	0.21	0.00	0.00	0.61	0.00
P17B001021	1.00	0.19	0.00	0.00	0.58	0.23	0.00	0.00	0.60	0.00
P17B001022	1.00	0.19	0.00	0.00	0.59	0.22	0.00	0.00	0.79	0.00
P17B001035	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
P17B001059	1.00	0.19	0.00	0.00	0.81	0.00	0.00	0.00	0.48	0.00
P17B001060	1.00	0.61	0.07	0.00	0.32	0.00	0.00	0.00	0.79	0.00
P17B002039V	1.00	0.84	0.00	0.00	0.01	0.15	0.00	0.00	0.78	0.00
P17B002039Va	1.00	0.84	0.00	0.00	0.00	0.15	0.00	0.00	0.65	0.00
P17B002039X	1.00	0.84	0.00	0.00	0.01	0.15	0.00	0.00	0.65	0.00
P17B002039Y	1.00	0.19	0.64	0.00	0.01	0.15	0.00	0.00	0.65	0.00
P17B002039Z	1.00	0.19	0.00	0.00	0.65	0.16	0.00	0.00	0.00	0.00
P17B002292	1.00	0.00	0.00	0.00	0.96	0.04	0.00	0.00	0.80	0.00
P17B002609	1.00	0.03	0.00	0.00	0.94	0.00	0.00	0.03	0.00	0.00
P17B002611	1.00	0.03	0.00	0.00	0.94	0.00	0.00	0.03	0.00	0.00
P17B002612	1.00	0.02	0.00	0.00	0.93	0.00	0.00	0.05	0.00	0.00
P17C002268	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.04	0.00
P17C002270	1.00	0.04	0.00	0.00	0.94	0.00	0.00	0.01	0.00	0.00
P17C002272	1.00	0.00	0.00	0.00	0.98	0.00	0.01	0.00	0.02	0.00
P17C002273	1.00	0.00	0.00	0.00	0.99	0.00	0.00	0.01	0.00	0.00
P17C002281	1.00	0.00	0.00	0.00	0.94	0.00	0.00	0.06	0.00	0.00
P17C002287	1.00	0.01	0.00	0.00	0.94	0.00	0.00	0.05	0.00	0.00
P17C002293	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.82	0.00

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P17C002295	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P17C002296	1.00	0.00	0.00	0.00	0.22	0.78	0.00	0.00	0.84	0.00
P17D002265	1.00	0.01	0.00	0.00	0.98	0.00	0.00	0.01	0.00	0.00
P17D002266	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00
P17D002267	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.12	0.00
P17D002298	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P17D002299	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P17D002301	1.00	0.00	0.00	0.00	0.21	0.78	0.00	0.00	0.00	0.00
P17D002302	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P17D002314	1.00	0.67	0.04	0.00	0.29	0.00	0.00	0.00	0.80	0.00
P17D002315	1.00	0.00	0.67	0.00	0.25	0.08	0.00	0.00	0.75	0.00
P17D002317	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.99	0.00
P17D002318	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.88	0.00
P17D002324	1.00	0.00	0.00	0.00	0.95	0.05	0.00	0.00	0.90	0.00
P17D002326	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
P17D002328	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
P17D002329	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.99	0.00
P17D002330	1.00	0.19	0.00	0.00	0.60	0.22	0.00	0.00	0.42	0.00
P17D002332	1.00	0.00	0.61	0.00	0.33	0.05	0.00	0.00	0.80	0.00
P17D002344	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P17D002347	1.00	0.00	0.00	0.00	0.90	0.10	0.00	0.00	1.00	0.00
P17D002358W	1.00	0.77	0.00	0.00	0.02	0.21	0.00	0.00	0.60	0.00
P17D002358X	1.00	0.77	0.00	0.00	0.02	0.21	0.00	0.00	0.69	0.00
P17D002358Y	1.00	0.19	0.58	0.00	0.01	0.21	0.00	0.00	0.59	0.00
P17D002358Z	1.00	0.19	0.00	0.00	0.58	0.22	0.00	0.00	0.00	0.00
P17D002359	1.00	0.00	0.00	0.00	0.94	0.06	0.00	0.00	0.77	0.00
P17D002643	1.00	0.19	0.43	0.00	0.23	0.16	0.00	0.00	0.79	0.00
P17D002720	1.00	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00
P18A001069	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P18A001072	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P18A001096	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.94	0.00
P18A001097	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
P18A001099	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P18A001105	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P18A001114	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P18A001125	1.00	0.00	0.00	0.00	0.07	0.00	0.00	0.93	0.05	0.00
P18A001127	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.99	0.00
P18A017897	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P18A017900	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.98	0.00
P18B001226	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P18B001227	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.86	0.00
P18B001228	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.19	0.00
P18B001229	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.98	0.00
P18B001552	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.79	0.00
P18C000726	1.00	0.19	0.00	0.00	0.81	0.00	0.00	0.00	0.00	0.00
P18C002048	1.00	0.00	0.00	0.00	0.02	0.98	0.00	0.00	0.86	0.00
P18C002049	1.00	0.00	0.00	0.00	0.95	0.05	0.00	0.00	0.85	0.00
P18C002050	1.00	0.00	0.00	0.00	0.01	0.99	0.00	0.00	0.05	0.00
P18C002051	1.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00	0.90	0.00
P18C002052	1.00	0.00	0.00	0.00	0.01	0.99	0.00	0.00	0.02	0.00
P18C002053	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P18D002047	1.00	0.00	0.00	0.00	0.98	0.02	0.00	0.00	0.99	0.00
P18D002181	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P18D002182	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.87	0.00
P18D002183	1.00	0.00	0.00	0.00	0.78	0.22	0.00	0.00	0.01	0.00
P19A000708	1.00	0.00	0.76	0.00	0.15	0.09	0.00	0.00	0.78	0.00
P19B000677	1.00	0.00	0.00	0.00	0.98	0.02	0.00	0.00	0.82	0.00
P19B000679	1.00	0.76	0.00	0.00	0.09	0.14	0.00	0.00	0.57	0.00
P19B000681	1.00	0.75	0.01	0.00	0.23	0.01	0.00	0.00	0.64	0.00
P19B000682	1.00	0.76	0.00	0.00	0.15	0.09	0.00	0.00	0.01	0.00
P19B000685	1.00	0.19	0.00	0.00	0.00	0.00	0.00	0.81	0.00	0.00
P19B000690	1.00	0.19	0.00	0.00	0.65	0.16	0.00	0.00	0.00	0.00

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P19B000703	1.00	0.19	0.56	0.00	0.25	0.01	0.00	0.00	0.70	0.00
P19B000704	1.00	0.19	0.00	0.00	0.64	0.17	0.00	0.00	0.00	0.00
P19B000705	1.00	0.19	0.58	0.00	0.09	0.15	0.00	0.00	0.78	0.00
P19B002031	1.00	0.75	0.00	0.00	0.25	0.00	0.00	0.00	0.62	0.00
P19B002034	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00
P19B002035	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00
P19B002043	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
P19B002054	1.00	0.00	0.00	0.00	0.97	0.03	0.00	0.00	0.99	0.00
P19B002055	1.00	0.00	0.00	0.00	0.87	0.13	0.00	0.00	0.01	0.00
P19B002056	1.00	0.00	0.73	0.00	0.27	0.00	0.00	0.00	0.80	0.00
P19B017901_1	1.00	0.19	0.60	0.00	0.14	0.07	0.00	0.00	0.59	0.00
P19B017901_2	1.00	0.19	0.00	0.00	0.04	0.06	0.00	0.71	0.06	0.00
P20A002002	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00
P20A002004	1.00	0.01	0.00	0.00	0.98	0.00	0.00	0.00	0.00	0.00
P20A002015	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00
P20A002016	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00
P20A002017	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00
P20A002018	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00
P20A002021	1.00	0.19	0.00	0.00	0.80	0.01	0.00	0.00	0.00	0.00
P20A002022	1.00	0.01	0.00	0.00	0.79	0.00	0.00	0.20	0.57	0.00
P20A002023	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00
P20A002024	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00
P20A002471Z	1.00	0.19	0.56	0.00	0.25	0.00	0.00	0.00	0.68	0.00
P20A002728	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00
P20A020380	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00	0.00	0.00
PF1(E-Swirl0F)	1.00	0.20	0.59	0.00	0.18	0.03	0.00	0.00	0.60	0.00
PF8(E-SWIRL-DW)	1.00	0.00	0.00	0.00	0.99	0.01	0.00	0.00	0.00	0.00
PL4(Hamilton0F)	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R26A009356	1.00	0.00	0.00	0.00	0.77	0.23	0.00	0.00	1.00	0.00
R26A009357	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
R26A009358	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.99	0.00
R26A009359	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
R26A009365	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
R26A009366	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.99	0.00
R26A011484	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
R26A011485	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.99	0.00
R26B009414	1.00	0.19	0.00	0.00	0.81	0.00	0.00	0.00	0.79	0.00
R26B009415	1.00	0.19	0.00	0.00	0.81	0.00	0.00	0.00	0.80	0.00
R26B009416	1.00	0.63	0.02	0.00	0.34	0.00	0.00	0.00	0.80	0.00
R26B009417	1.00	0.61	0.02	0.00	0.37	0.00	0.00	0.00	0.79	0.00
R26B009418	1.00	0.59	0.03	0.00	0.39	0.00	0.00	0.00	0.47	0.00
R26B009419	1.00	0.19	0.40	0.00	0.41	0.00	0.00	0.00	0.80	0.00
R26C008749	1.00	0.19	0.00	0.00	0.81	0.00	0.00	0.00	0.00	0.00
R26C008750	1.00	0.19	0.00	0.00	0.81	0.00	0.00	0.00	0.70	0.00
R26C008751	1.00	0.19	0.00	0.00	0.81	0.00	0.00	0.00	0.76	0.00
R26C008752	1.00	0.19	0.00	0.00	0.81	0.00	0.00	0.00	0.70	0.00
R26C008753	1.00	0.19	0.00	0.00	0.81	0.00	0.00	0.00	0.77	0.00
R26C008754	1.00	0.19	0.00	0.00	0.81	0.00	0.00	0.00	0.58	0.00
R26C008755	1.00	0.00	0.19	0.00	0.81	0.00	0.00	0.00	0.80	0.00
R26D008720	1.00	0.01	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
R26D008721	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
R26D008724	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R26D008725	1.00	0.01	0.00	0.00	0.00	0.99	0.00	0.00	0.98	0.00
R26D011489	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R27B009153	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00
R27B009154	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
R27B009164	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.96	0.00
R27B009645	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
R27B009916	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
R27B009917	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.98	0.00
R27B009918	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.96	0.00
R27B009946	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00

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R27C009714	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
R27C009716	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R27C009717	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R27C009883	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R27C009884	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
R27C009888	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.84	0.00
R27C009889	1.00	0.00	0.00	0.00	0.99	0.01	0.00	0.00	0.00	0.00
R27C009890	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.20	0.00
R27C009893	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R27C009902	1.00	0.66	0.00	0.00	0.00	0.00	0.00	0.34	0.00	0.00
R27C009903	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
R27C009904	1.00	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.16	0.00
R27C009905	1.00	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.85	0.00
R27C009906	1.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
R27C009907	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.49	0.00
R27C009908	1.00	0.00	0.00	0.00	0.37	0.62	0.00	0.00	0.00	0.00
R27C009909	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.27	0.00
R27C009910	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.92	0.00
R27C009919	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
R27C009920	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.99	0.00
R27C009930	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
R27C009931	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
R27C011486	1.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00	0.02	0.00
R27D009715	1.00	0.00	0.00	0.00	0.17	0.83	0.00	0.00	0.02	0.00
R33B010055	1.00	0.19	0.00	0.00	0.65	0.16	0.00	0.00	0.78	0.00
R33B010708	1.00	0.19	0.00	0.00	0.00	0.00	0.00	0.81	0.00	0.00
R33B010839	1.00	0.19	0.00	0.00	0.00	0.00	0.00	0.81	0.00	0.00
R33B010850	1.00	0.19	0.00	0.00	0.60	0.21	0.00	0.00	0.50	0.00
R33B010851	1.00	0.00	0.69	0.00	0.26	0.05	0.00	0.00	0.80	0.00
R33B010853	1.00	0.00	0.00	0.00	0.87	0.13	0.00	0.00	1.00	0.00
R33B010854	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.99	0.00
R33B010857	1.00	0.19	0.00	0.00	0.00	0.00	0.00	0.81	0.00	0.00
R33B010861	1.00	0.19	0.00	0.00	0.00	0.00	0.00	0.81	0.00	0.00
R33B010862	1.00	0.19	0.44	0.00	0.37	0.00	0.00	0.00	0.79	0.00
R33B010900	1.00	0.19	0.00	0.00	0.53	0.29	0.00	0.00	0.60	0.00
R33B010901	1.00	0.00	0.66	0.00	0.33	0.01	0.00	0.00	0.80	0.00
R33B010902	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
R33B010903	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
R33B010904	1.00	0.00	0.00	0.00	0.34	0.66	0.00	0.00	0.00	0.00
R33B011555	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.88	0.00
R33C005759	1.00	0.19	0.00	0.00	0.00	0.00	0.00	0.81	0.00	0.00
R33C005762	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.97	0.00
R33C010707	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
R33C010728	1.00	0.19	0.00	0.00	0.00	0.00	0.00	0.81	0.00	0.00
R33C010729	1.00	0.00	0.00	0.00	0.78	0.22	0.00	0.00	1.00	0.00
R33C010734	1.00	0.19	0.48	0.00	0.21	0.12	0.00	0.00	0.64	0.00
R33C010736	1.00	0.19	0.00	0.00	0.58	0.23	0.00	0.00	0.00	0.00
R33C010741	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.99	0.00
R33C010742	1.00	0.19	0.00	0.00	0.75	0.07	0.00	0.00	0.49	0.00
R33C010743	1.00	0.67	0.00	0.00	0.28	0.05	0.00	0.00	0.78	0.00
R33C010744	1.00	0.19	0.48	0.00	0.18	0.15	0.00	0.00	0.06	0.00
R33C010745	1.00	0.19	0.00	0.00	0.00	0.00	0.00	0.81	0.00	0.00
R33C010750	1.00	0.00	0.00	0.00	0.81	0.19	0.00	0.00	0.07	0.00
R33C010751	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.99	0.00
R33C010752	1.00	0.00	0.63	0.00	0.37	0.00	0.00	0.00	0.80	0.00
R33C010767+R33C010773	1.00	0.19	0.00	0.00	0.00	0.00	0.00	0.81	0.00	0.00
R33C011041	1.00	0.66	0.04	0.00	0.07	0.23	0.00	0.00	0.79	0.00
R33C011042	1.00	0.19	0.48	0.00	0.33	0.00	0.00	0.00	0.80	0.00
R33C011043	1.00	0.66	0.00	0.00	0.18	0.16	0.00	0.00	0.79	0.00
R33C011044	1.00	0.19	0.46	0.00	0.34	0.00	0.00	0.00	0.73	0.00
R33C011045	1.00	0.19	0.00	0.00	0.53	0.28	0.00	0.00	0.01	0.00
R33D005763	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00

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R33D005764	1.00	0.00	0.00	0.00	0.12	0.88	0.00	0.00	0.23	0.00
R33D005765	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
R33D005774	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R33D005775	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R33D005776	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R33D005777	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R33D005778	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R33D005779	1.00	0.96	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R33D005783	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.98	0.00
R33D005784	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
R33D005948	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R33D021115	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.99	0.00
R34A010649	1.00	0.19	0.00	0.00	0.48	0.33	0.00	0.00	0.79	0.00
R34A010651	1.00	0.19	0.00	0.00	0.57	0.24	0.00	0.00	0.60	0.00
R34A010652	1.00	0.19	0.00	0.00	0.52	0.29	0.00	0.00	0.35	0.00
R34A010653	1.00	0.19	0.00	0.00	0.39	0.43	0.00	0.00	0.00	0.00
R34A010658	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
R34A010662	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.99	0.00
R34A010663	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
R34A010664	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.98	0.00
R34A020998	1.00	0.00	0.00	0.00	0.99	0.01	0.00	0.00	0.20	0.00
R34A020999	1.00	0.00	0.54	0.00	0.46	0.00	0.00	0.00	0.78	0.00
R34D010473	1.00	0.00	0.00	0.00	0.52	0.48	0.00	0.00	0.72	0.00
R34D010474	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.80	0.00
R34D010483	1.00	0.19	0.45	0.00	0.36	0.00	0.00	0.00	0.75	0.00
R34D010484	1.00	0.19	0.00	0.00	0.81	0.00	0.00	0.00	0.00	0.00
R34D010485	1.00	0.19	0.00	0.00	0.81	0.00	0.00	0.00	0.79	0.00
R34D010486	1.00	0.19	0.00	0.00	0.81	0.00	0.00	0.00	0.78	0.00
R34D010487	1.00	0.19	0.00	0.00	0.44	0.37	0.00	0.00	0.00	0.00
R34D010488	1.00	0.19	0.00	0.00	0.81	0.00	0.00	0.00	0.74	0.00
R34D010489	1.00	0.19	0.00	0.00	0.81	0.00	0.00	0.00	0.00	0.00
R34D010490	1.00	0.19	0.00	0.00	0.81	0.00	0.00	0.00	0.80	0.00
R34D010491	1.00	0.00	0.18	0.00	0.81	0.00	0.00	0.00	0.65	0.00
R34D010492	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
R34D010496	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.99	0.00
R34D010497	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.99	0.00
R34D010499	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
R34D010500	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
R34D010690	1.00	0.00	0.00	0.00	0.68	0.32	0.00	0.00	0.00	0.00
R34D020997	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.78	0.00
R35A010409	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.04	0.00
R35A010410	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.99	0.00
R35A010411	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.76	0.00
R35A010412	1.00	0.01	0.00	0.00	0.00	0.99	0.00	0.00	0.98	0.00
R35A010413	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00	0.00	0.00
R35A010414	1.00	0.01	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
R35A010429	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R35A010430	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R35A010431	1.00	0.01	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
R35A010432	1.00	0.01	0.00	0.00	0.00	0.99	0.00	0.00	0.98	0.00
R35A010433	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R35A010434	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R35A010435	1.00	0.01	0.00	0.00	0.00	0.99	0.00	0.00	0.97	0.00
R35A010436	1.00	0.01	0.00	0.00	0.00	0.99	0.00	0.00	0.93	0.00
R35A010437	1.00	0.01	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
R35A010438	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R35A010439	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
R35A010440	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R35A010441	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R35A010447	1.00	0.01	0.00	0.00	0.00	0.99	0.00	0.00	0.98	0.00
R35A011487	1.00	0.01	0.00	0.00	0.00	0.99	0.00	0.00	0.95	0.00
R35A011488	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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R35A017947	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R35A017948	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.90	0.00
R35A017951	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
R35A017952	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
R35A017979	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
R35D010315	1.00	0.01	0.00	0.00	0.09	0.90	0.00	0.00	0.88	0.00
R35D010359	1.00	0.01	0.00	0.00	0.11	0.89	0.00	0.00	0.02	0.00
R35D017955	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.95	0.00
R35D017957	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
R35D017959	1.00	0.00	0.00	0.00	0.11	0.89	0.00	0.00	0.31	0.00
R35D017960	1.00	0.00	0.00	0.00	0.12	0.88	0.00	0.00	0.91	0.00
R35D017962	1.00	0.00	0.00	0.00	0.07	0.93	0.00	0.00	0.00	0.00
R35D017965	1.00	0.00	0.00	0.00	0.08	0.91	0.00	0.00	0.97	0.00
R35D017966	1.00	0.00	0.00	0.00	0.15	0.84	0.00	0.00	0.00	0.00
R35D018403	1.00	0.01	0.00	0.00	0.08	0.91	0.00	0.00	0.88	0.00
RFMagMeter	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
SangerOFN	1.00	0.79	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.00
SangerSewerCrossing	1.00	0.19	0.00	0.00	0.81	0.00	0.00	0.00	0.00	0.00
SouthDiversion	1.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
SouthDiversionDW	1.00	0.00	0.00	0.00	0.22	0.00	0.00	0.77	0.23	0.00
SouthDiversionOF	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SouthSewerCrossing	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00	0.00	0.00
SouthWashingtonOutfall	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00										
TF1(S-C_StoreOF)	1.00	0.21	0.00	0.00	0.65	0.15	0.00	0.00	0.05	0.00
TF10(Franklin)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.82	0.00
TF11(WalnutDW)	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00
TF12(StateDW)	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00
TF14(CedarDW)	1.00	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.75	0.00
TF15(SouthDW)	1.00	0.00	0.00	0.00	0.16	0.84	0.00	0.00	0.79	0.00
TF16(SangerDW)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
TF17(DarstDW)	1.00	0.00	0.00	0.00	0.15	0.85	0.00	0.00	0.02	0.00
TF2(fromUpC)	1.00	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00
TF20(F-SwirlIN)	1.00	0.00	0.00	0.00	0.20	0.00	0.00	0.80	0.00	0.00
TF22(toWestern&Smith)	1.00	0.01	0.00	0.00	0.00	0.99	0.00	0.00	0.98	0.00
TF23-PF5(FultonOF)	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TF24(F-SwirlOF)	1.00	0.21	0.00	0.00	0.00	0.00	0.00	0.79	0.00	0.00
TF25(E-SwirlOF)	1.00	0.20	0.00	0.00	0.00	0.00	0.00	0.80	0.00	0.00
TF26-PF6(CedarOF)	1.00	0.78	0.00	0.00	0.00	0.21	0.00	0.00	0.73	0.00
TF27-PF9(DarstOF)	1.00	0.76	0.00	0.00	0.08	0.15	0.00	0.00	0.07	0.00
TF28-PF7(SouthOF)	1.00	0.84	0.00	0.00	0.15	0.00	0.00	0.00	0.71	0.00
TF29(SangerOF)	1.00	0.78	0.00	0.00	0.16	0.06	0.00	0.00	0.59	0.00
TF4(S-CStorage)	1.00	0.01	0.00	0.00	0.98	0.00	0.00	0.00	0.51	0.00
TF5(E-SwirlDW)	1.00	0.00	0.00	0.00	0.94	0.06	0.00	0.00	0.05	0.00
TF8(LibertyDW)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
TF9(HarrisonDW)	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
toCedarRegE	1.00	0.19	0.00	0.00	0.22	0.00	0.00	0.60	0.00	0.00
toCedarRegN	1.00	0.00	0.00	0.00	0.00	0.21	0.00	0.79	0.20	0.00
toFayetteRegN	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
toFayetteRegW	1.00	0.19	0.00	0.00	0.35	0.00	0.00	0.47	0.00	0.00
toGreenReg	1.00	0.19	0.00	0.00	0.00	0.06	0.00	0.76	0.00	0.00
toHamiltonReg	1.00	0.19	0.00	0.00	0.00	0.00	0.00	0.81	0.00	0.00
toHarrisonReg	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
toLibertyReg	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
toMainReg	1.00	0.19	0.00	0.00	0.00	0.00	0.00	0.81	0.00	0.00
toWalnutReg	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
WalnutBoxCulvert	1.00	0.04	0.00	0.00	0.95	0.00	0.00	0.00	0.00	0.00
WaterOF	1.00	0.78	0.00	0.00	0.13	0.09	0.00	0.00	0.58	0.00
WWTP	1.00	0.01	0.00	0.00	0.00	0.99	0.00	0.00	0.04	0.00

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Conduit Surcharge Summary

Conduit	----- Both Ends	Hours Full Upstream	----- Dnstream	Hours Above Full Normal Flow	Hours Capacity Limited
000-05FT_P09C000597	2.29	2.31	2.95	0.42	0.13
000-06FT_P03B011320	1.67	1.67	1.74	0.01	0.19
000-07FT_R27B009644	0.01	0.01	0.01	0.33	0.01
006-03FP_P09B000707a	0.01	0.01	6.02	0.01	0.01
007-04FT_P09B000431	1.56	1.62	1.56	8.32	1.55
009-02FP_P09B020927	3.92	3.92	5.59	0.01	0.01
017-04FT_P17C002297	0.01	4.54	0.01	4.65	0.01
019-03FT_P19B000678	0.01	0.01	0.77	0.01	0.01
CedarSewerCrossing	1.25	1.25	1.41	0.01	0.65
F-SWIRL-DW1	6.77	6.77	6.78	1.45	1.45
KPMagMeter	29.26	29.26	29.42	0.01	0.01
LibertySewerCrossing	5.36	5.55	5.36	7.02	5.36
P02A011271	1.31	1.31	1.49	0.01	0.01
P02A011275	1.29	1.29	1.31	1.10	0.80
P02A011276	1.05	1.05	1.29	0.01	0.01
P02A011277	0.71	0.71	1.29	0.01	0.01
P03B011270	1.49	1.49	1.71	0.01	0.01
P03B011319	1.71	1.71	3.00	0.01	0.01
P03B011324	2.06	2.06	2.17	1.13	1.08
P03B011326	2.16	2.17	2.16	2.58	1.70
P03B017970	2.05	2.05	2.06	1.63	1.09
P03B017973	1.74	1.74	2.05	1.45	1.30
P03C011231	2.63	2.63	2.95	0.01	0.02
P03C011362	2.16	2.16	2.79	0.01	0.01
P03C011365	5.93	5.93	6.22	0.01	0.01
P03C011366	6.22	6.22	6.23	1.82	2.91
P03C011367a	0.01	0.01	6.28	0.01	0.01
P03C011368	2.95	2.95	3.23	0.01	0.01
P03C011369	2.63	3.17	2.63	5.33	2.62
P03C020062	0.01	0.01	6.23	0.01	0.01
P03D011197	6.94	6.96	6.99	0.26	0.10
P03D011198	6.97	6.99	7.04	0.24	0.07
P03D011199	7.02	7.04	7.18	0.18	0.06
P03D011230	2.17	2.73	2.17	5.68	2.17
P03D011234	2.40	2.65	2.50	3.34	2.24
P03D011235	2.47	2.50	2.67	2.39	1.96
P03D011237	2.17	2.17	2.65	0.01	0.01
P03D011363	6.93	6.96	6.96	0.31	0.31
P03D011598	2.32	2.67	2.36	4.62	2.07
P03D011600	2.36	2.36	3.02	1.29	1.29
P04D007044	0.97	0.97	1.38	0.01	0.01
P04D007045	1.13	1.17	1.13	1.54	1.12
P04D007046	0.51	0.51	1.01	0.01	0.01
P04D007047	0.01	0.01	0.79	0.01	0.01
P04D007052	0.01	1.59	0.01	1.64	0.01
P08C001640	0.01	0.01	0.01	1.22	0.01
P08C001730	0.01	0.01	1.36	0.01	0.01
P09B000431a	5.87	5.88	5.89	1.23	1.35
P09B000435	1.44	1.47	1.50	1.47	1.30
P09B000440	0.71	1.73	0.71	6.53	0.71
P09B000441	5.66	5.70	5.66	6.65	5.66
P09B000442	5.41	5.66	5.41	6.84	5.41
P09B000476	5.08	5.41	5.08	6.64	5.08
P09B000478a	4.64	5.08	4.64	6.56	4.64

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P09B000478b	4.31	4.64	4.31	6.48	4.31
P09B000514	0.38	0.38	1.51	0.01	0.01
P09B000516	0.18	0.18	0.24	0.01	0.01
P09B000550	1.99	3.73	4.01	0.01	0.17
P09B000554	0.63	0.63	0.94	0.01	0.01
P09B000555	0.94	0.94	6.69	0.01	0.01
P09B000556	6.73	6.73	19.75	0.98	0.98
P09B019753	19.75	19.75	29.26	0.78	0.79
P09B019756	5.56	5.59	5.57	5.96	5.24
P09B019757	5.54	5.54	5.57	27.85	0.03
P09B019758	0.41	0.41	0.49	0.01	0.01
P09B019759	0.08	0.08	0.17	0.01	0.01
P09B019761	1.00	1.00	1.44	0.01	0.01
P09B019762	0.91	0.91	2.80	0.01	0.01
P09B019763	0.91	0.91	1.73	0.01	0.01
P09B019765	6.62	6.62	6.73	1.45	1.42
P09B019767	6.78	6.78	6.94	0.96	0.97
P09B019768	6.90	6.90	7.04	1.84	0.01
P09B020925	0.12	0.12	0.31	0.01	0.01
P09B020926	0.97	0.97	2.43	0.01	0.01
P09B020928	5.59	5.59	5.98	0.01	0.01
P09B020934	4.31	4.31	4.32	1.15	0.63
P09B020935	5.98	5.98	6.88	0.01	0.01
P09C000579	1.99	2.07	2.03	2.04	0.86
P09C000587	0.01	0.01	0.02	0.01	0.01
P09C000589	2.83	2.95	2.83	7.67	2.70
P09C000590	2.57	2.57	2.78	0.01	0.06
P09C000591	0.01	0.01	0.01	0.01	0.01
P09C000594	2.55	2.78	2.55	5.09	1.40
P09C000595	2.49	2.55	2.61	1.39	0.30
P09C000596	2.41	2.61	2.42	4.76	1.17
P09C000599	0.01	0.01	0.19	0.01	0.01
P09C000603	2.00	2.03	2.31	0.90	0.23
P09C019063	0.01	0.01	0.94	0.01	0.01
P09D000741	2.78	2.79	3.55	0.39	0.13
P09D000801	3.59	4.30	3.59	6.28	3.58
P09D000804	3.55	3.55	4.30	0.33	0.17
P09D000811	0.01	0.01	6.23	0.01	0.01
P10A000824	0.60	0.60	2.51	0.01	0.02
P10A000825	5.02	5.02	5.47	0.01	0.01
P10A000827	0.01	0.01	0.08	0.01	0.01
P10A000851	2.87	2.99	2.97	3.25	1.83
P10A000852	4.49	4.50	5.02	1.74	1.76
P10A000858	2.88	3.02	2.90	4.64	2.32
P10A000860	2.87	2.90	2.99	2.42	1.72
P10A000861	7.12	7.18	7.76	0.09	0.01
P10A000865	7.76	7.76	7.83	0.01	0.06
P10A019754	5.43	5.43	5.43	2.07	1.66
P10A019755	5.47	5.47	5.59	0.01	0.01
P16A002614	0.26	0.84	0.26	6.56	0.26
P16A002615	0.84	2.75	0.84	7.23	0.84
P16A002617	2.58	2.58	3.79	0.01	0.02
P16A002618	2.58	3.27	2.58	6.39	2.57
P16A002619	3.27	3.59	3.27	6.33	3.24
P16A002623	6.44	6.44	6.47	0.01	0.01
P16A002624	6.47	6.47	6.58	0.63	0.63
P16A002626	0.01	0.25	1.13	0.60	0.01
P16A002627	6.46	6.46	6.47	6.27	5.94
P16A002628	6.41	6.41	6.41	0.42	0.43
P16A002629	6.41	6.41	6.46	0.01	0.01
P17B001003	0.01	0.01	1.16	0.01	0.01
P17B001005	0.01	0.01	0.01	1.42	0.01

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P17B002292	4.76	4.76	4.85	4.72	4.71
P17B002609	0.06	0.06	0.07	0.11	0.01
P17B002611	0.06	0.12	0.06	6.23	0.06
P17B002612	0.12	0.26	0.12	6.67	0.12
P17C002270	0.07	0.07	0.11	0.01	0.01
P17C002293	4.85	4.85	5.09	4.65	4.65
P17C002295	3.08	5.09	3.08	6.13	3.08
P17C002296	3.08	3.08	4.54	4.29	2.89
P17D002266	0.01	0.01	0.01	0.02	0.01
P17D002267	0.01	0.01	0.01	2.00	0.01
P17D002298	1.47	3.15	1.47	4.94	1.47
P17D002299	0.01	1.47	0.01	2.38	0.01
P17D002324	1.42	1.42	6.48	0.01	0.01
P17D002359	6.37	6.37	7.31	2.78	2.78
P18D002047	0.01	0.01	0.01	0.01	0.01
P18D002183	0.01	0.01	0.01	0.02	0.01
P19B000677	3.68	3.68	4.63	0.01	1.38
P19B002043	0.01	0.77	0.01	0.01	0.01
P19B002055	0.01	0.01	0.01	2.35	0.01
P20A020380	3.25	3.25	29.12	0.01	0.01
PF8(E-SWIRL-DW)	5.96	5.96	5.97	1.34	1.35
R26A009357	0.01	0.01	0.01	23.08	0.01
R26C008749	0.01	0.01	0.01	1.62	0.01
R27C009714	0.01	0.01	0.79	0.01	0.01
R27C009884	0.01	0.01	0.79	0.01	0.01
R27C009889	0.01	8.00	0.01	10.11	0.01
R27D009715	0.01	0.01	0.01	1.79	0.01
R34A010658	0.01	0.01	0.01	0.21	0.01
R35A017979	7.86	7.86	29.80	0.01	0.01
R35D010315	0.01	0.01	0.64	0.01	0.01
R35D018403	0.64	0.64	0.71	0.01	0.11
RFMagMeter	29.26	29.26	29.42	0.01	5.15
SangerSewerCrossing	23.74	23.74	23.74	1.43	2.72
SouthDiversionDW	0.01	0.01	5.01	0.01	0.01
SouthSewerCrossing	27.40	27.42	27.40	27.81	27.40
TF10(Franklin)	0.02	0.02	28.20	0.01	0.01
TF14(CedarDW)	6.58	6.58	6.91	0.60	0.60
TF15(SouthDW)	4.45	4.45	4.76	0.01	0.01
TF16(SangerDW)	4.46	6.17	4.46	6.43	4.46
TF17(DarstDW)	3.68	3.82	3.68	0.01	3.68
TF2(fromUpC)	2.79	2.79	2.95	0.01	0.09
TF20(F-SwirlIN)	1.00	1.00	4.58	0.01	0.01
TF4(S-CStorage)	6.82	6.84	6.96	0.20	0.14
TF5(E-SwirlDW)	6.72	6.72	6.73	1.15	1.14
toCedarRegE	0.01	0.01	0.01	5.01	0.01
WalnutBoxCulvert	7.31	7.32	7.31	11.13	6.97

Pumping Summary

				Min	Avg	Max	Total
Power	% Time Off		Percent	Flow	Flow	Flow	Volume
Usage	Pump Curve		Number of	CFS	CFS	CFS	10^6 gal
Pump	Utilized		Start-Ups				
Kw-hr	Low	High					

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BypassPumps	0.00	0	0.00	0.00	0.00	0.000
0.00 0.0 0.0						
R26C008769	100.00	1	0.00	0.60	1.25	0.483
47.14 0.0 0.0						
ScrewPump	97.09	1	0.00	38.19	72.77	29.887
145.38 0.0 0.0						
ScrewPumpDuplicate	97.09	1	0.00	38.19	72.77	29.887
145.38 0.0 0.0						

Analysis begun on: Wed Aug 31 14:07:55 2022
 Analysis ended on: Wed Aug 31 14:10:31 2022
 Total elapsed time: 00:02:36

Typical Year Model Output

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

Existing Conditions Model
Green Infrastructure Implementation Plan
City of Peoria, Illinois

WARNING 01: wet weather time step reduced to recording interval for Rain Gage
Darst_2015

WARNING 04: minimum elevation drop used for Conduit 007-04FT_P09B000431
WARNING 04: minimum elevation drop used for Conduit P03C011366
WARNING 04: minimum elevation drop used for Conduit P08C001640
WARNING 04: minimum elevation drop used for Conduit P09B000826F
WARNING 04: minimum elevation drop used for Conduit P09B019757
WARNING 04: minimum elevation drop used for Conduit P09C000589
WARNING 04: minimum elevation drop used for Conduit P19B002055
WARNING 04: minimum elevation drop used for Conduit R26A009357
WARNING 04: minimum elevation drop used for Conduit R26C008749
WARNING 04: minimum elevation drop used for Conduit SangerSewerCrossing
WARNING 04: minimum elevation drop used for Conduit SouthSewerCrossing
WARNING 04: minimum elevation drop used for Conduit toCedarRegE
WARNING 04: minimum elevation drop used for Conduit WalnutBoxCulvert
WARNING 02: maximum depth increased for Node P09B000491
WARNING 02: maximum depth increased for Node P18C002353
WARNING 02: maximum depth increased for Node R34A010413

	Volume acre-feet	Volume 10 ⁶ gal
Rainfall Dependent I/I		
Sewershed Rainfall	102203.628	33304.579
RDII Produced	2912.070	948.941
RDII Ratio	0.028	

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

Analysis Options

Flow Units CFS

Process Models:

- Rainfall/Runoff YES
- RDII YES
- Snowmelt NO
- Groundwater NO
- Flow Routing YES
- Ponding Allowed NO
- Water Quality NO

Infiltration Method HORTON

Flow Routing Method DYNWAVE

Surcharge Method EXTRAN

Starting Date 01/01/1949 00:00:00

Ending Date 01/01/1950 00:00:00

Antecedent Dry Days 0.0

Report Time Step 00:15:00

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Wet Time Step 00:05:00
Dry Time Step 01:00:00
Routing Time Step 5.00 sec
Variable Time Step YES
Maximum Trials 8
Number of Threads 4
Head Tolerance 0.005000 ft

	Volume acre-feet	Depth inches
***** Runoff Quantity Continuity *****	-----	-----
Total Precipitation	6946.271	29.573
Evaporation Loss	760.687	3.239
Infiltration Loss	4720.633	20.097
Surface Runoff	1475.244	6.281
Final Storage	6.611	0.028
Continuity Error (%)	-0.243	

	Volume acre-feet	Volume 10^6 gal
***** Flow Routing Continuity *****	-----	-----
Dry Weather Inflow	10092.852	3288.907
Wet Weather Inflow	1475.244	480.730
Groundwater Inflow	0.000	0.000
RDII Inflow	2912.060	948.938
External Inflow	11354.687	3700.094
External Outflow	26150.366	8521.487
Flooding Loss	1.126	0.367
Evaporation Loss	0.000	0.000
Exfiltration Loss	0.000	0.000
Initial Stored Volume	0.000	0.000
Final Stored Volume	5.399	1.759
Continuity Error (%)	-1.247	

Highest Continuity Errors

Node P03A010984 (100.00%)
Node S-CstoreHB (-6.87%)
Node P09B001078b (-5.65%)
Node P09B001078a (5.38%)
Node P09B019195 (4.32%)

Time-Step Critical Elements

Link WWTP (64.89%)
Link P09B019763 (34.79%)

Highest Flow Instability Indexes

Link FultonHydrobrake (56)
Link P09B019759 (29)
Link WalnutBoxCulvert (24)
Link S-CstoreHydrobrake (20)
Link P08C001674 (18)

Routing Time Step Summary

Minimum Time Step : 0.49 sec
Average Time Step : 0.50 sec
Maximum Time Step : 4.13 sec
Percent in Steady State : 0.00
Average Iterations per Step : 2.46
Percent Not Converging : 5.86
Time Step Frequencies :
5.000 - 3.155 sec : 0.00 %
3.155 - 1.991 sec : 0.00 %
1.991 - 1.256 sec : 0.00 %
1.256 - 0.792 sec : 0.00 %
0.792 - 0.500 sec : 100.00 %

Subcatchment Runoff Summary

Perv	Total	Total	Total	Total	Total	Total	Imperv
Runoff	Runoff	Runoff	Peak	Runoff	Evap	Infil	Runoff
Subcatchment	Runoff	Precip	Runoff	Runoff			
in	in	10^6 gal	in	Coeff	in	in	in

003-02-01-DCIA		29.58	0.00	6.50	0.00	23.08	
0.00	23.08	6.31	13.00	0.780			
003-02-01-DIA		29.58	0.00	5.81	0.00	24.01	
0.00	24.01	5.61	11.10	0.812			
003-02-01-Pervious		29.58	10.75	0.00	40.33	0.00	
0.00	0.00	0.00	0.00	0.000			
003-02-01-Roofs		29.58	0.00	5.88	0.00	23.88	
0.00	23.88	6.16	12.26	0.807			
003-02-02-DCIA		29.58	0.00	6.53	0.00	23.04	
0.00	23.04	2.30	4.75	0.779			
003-02-02-DIA		29.58	0.00	5.82	0.00	23.99	
0.00	23.99	1.89	3.74	0.811			
003-02-02-Pervious		29.58	9.19	0.00	38.77	0.00	
0.00	0.00	0.00	0.00	0.000			
003-02-02-Roofs		29.58	0.00	5.90	0.00	23.85	
0.00	23.85	1.55	3.10	0.806			
003-02-04-DCIA		29.58	0.00	6.51	0.00	23.07	
0.00	23.07	4.94	10.17	0.780			
003-02-04-DIA		29.58	0.00	5.86	0.00	23.92	
0.00	23.92	4.68	9.29	0.809			
003-02-04-Pervious		29.58	12.58	0.00	42.16	0.00	
0.00	0.00	0.00	0.00	0.000			
003-02-04-Roofs		29.58	0.00	5.90	0.00	23.86	
0.00	23.86	4.99	9.94	0.806			
003-02-05-DCIA		29.58	0.00	6.51	0.00	23.06	
0.00	23.06	3.31	6.83	0.780			
003-02-05-DIA		29.58	0.00	5.86	0.00	23.93	
0.00	23.93	2.60	5.16	0.809			

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003-02-05-Pervious	29.58	12.03	0.00	41.61	0.00
0.00 0.00 0.00 0.00 0.000					
003-02-05-Roofs	29.58	0.00	5.89	0.00	23.86
0.00 23.86 2.07 4.13 0.807					
003-02-07-DCIA	29.58	0.00	6.69	0.00	22.87
0.00 22.87 0.85 1.77 0.773					
003-02-07-DIA	29.58	0.00	5.87	0.00	23.91
0.00 23.91 0.26 0.52 0.808					
003-02-07-Pervious	29.58	13.28	0.00	42.86	0.00
0.00 0.00 0.00 0.00 0.000					
003-02-07-Roofs	29.58	0.00	5.88	0.00	23.88
0.00 23.88 0.06 0.13 0.807					
003-03-03-DCIA	29.58	0.00	6.35	0.00	23.24
0.00 23.24 6.00 12.26 0.786					
003-03-03-DIA	29.58	0.00	5.87	0.00	23.90
0.00 23.90 1.10 2.19 0.808					
003-03-03-Pervious	29.58	7.22	0.00	36.80	0.00
0.00 0.00 0.00 0.00 0.000					
003-03-03-PerviousSeparate	29.58	0.00	0.00	29.58	0.00
0.00 0.00 0.00 0.00 0.000					
003-03-03-Roofs	29.58	0.00	5.93	0.00	23.80
0.00 23.80 4.27 8.52 0.805					
003-03-06-DCIA	29.58	0.00	6.31	0.00	23.29
0.00 23.29 8.16 16.65 0.787					
003-03-06-DIA	29.58	0.00	5.87	0.00	23.90
0.00 23.90 1.62 3.23 0.808					
003-03-06-Pervious	29.58	9.84	0.00	39.42	0.00
0.00 0.00 0.00 0.00 0.000					
003-03-06-Roofs	29.58	0.00	5.89	0.00	23.87
0.00 23.87 4.93 9.81 0.807					
003-05-01-DCIA	29.58	0.00	6.98	0.00	22.57
0.00 22.57 2.27 4.76 0.763					
003-05-01-Pervious	29.58	7.71	0.00	37.29	0.00
0.00 0.00 0.00 0.00 0.000					
003-05-01-Roofs	29.58	0.00	5.89	0.00	23.86
0.00 23.86 1.36 2.71 0.807					
003-06-01-DCIA	29.58	0.00	6.50	0.00	23.07
0.00 23.07 7.20 14.84 0.780					
003-06-01-Pervious	29.58	6.20	0.00	35.78	0.00
0.00 0.00 0.00 0.00 0.000					
003-06-01-Roofs	29.58	0.00	5.90	0.00	23.86
0.00 23.86 2.59 5.16 0.806					
003-07-02-DCIA	29.58	7.25	6.56	0.00	30.27
0.00 30.27 7.83 16.04 0.822					
003-07-02-DIA	29.58	0.00	5.83	0.00	23.99
0.00 23.99 4.89 9.68 0.811					
003-07-02-Pervious	29.58	14.01	0.00	43.59	0.00
0.00 0.00 0.00 0.00 0.000					
003-07-02-Roofs	29.58	0.00	5.93	0.00	23.81
0.00 23.81 5.69 11.36 0.805					
003-07-02-RoofstoDCIA	29.58	0.00	5.93	0.00	23.81
0.00 23.81 1.88 3.74 0.805					
003-07-03-DCIA	29.58	8.88	6.70	0.00	31.76
0.00 31.76 8.32 17.10 0.826					
003-07-03-DIA	29.58	0.00	5.89	0.00	23.94
0.00 23.94 7.08 23.93 0.809					
003-07-03-Pervious	29.58	14.87	0.00	44.45	0.00
0.00 0.00 0.00 0.00 0.000					
003-07-03-Roofs	29.58	0.00	5.94	0.00	23.80
0.00 23.80 7.04 14.07 0.805					
003-07-03-RoofstoDCIA	29.58	0.00	5.94	0.00	23.80
0.00 23.80 2.33 4.65 0.805					

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003-07-04-DCIA	29.58	6.37	6.59	0.00	29.37
0.00 29.37	3.28	6.72	0.817		
003-07-04-DIA	29.58	0.00	5.87	0.00	23.89
0.00 23.89	2.40	4.77	0.808		
003-07-04-Pervious	29.58	15.18	0.00	44.76	0.00
0.00 0.00	0.00	0.000			
003-07-04-Roofs	29.58	0.00	5.93	0.00	23.81
0.00 23.81	2.13	4.26	0.805		
003-07-04-RoofstoDCIA	29.58	0.00	5.93	0.00	23.81
0.00 23.81	0.71	1.42	0.805		
003-07-05-DCIA	29.58	4.14	6.59	0.00	27.13
0.00 27.13	3.82	7.85	0.805		
003-07-05-DIA	29.58	0.00	5.84	0.00	23.94
0.00 23.94	2.28	4.52	0.809		
003-07-05-Pervious	29.58	11.75	0.00	41.33	0.00
0.00 0.00	0.00	0.000			
003-07-05-Roofs	29.58	0.00	5.92	0.00	23.83
0.00 23.83	1.68	3.36	0.806		
003-07-05-RoofstoDCIA	29.58	0.00	5.92	0.00	23.83
0.00 23.83	0.58	1.16	0.805		
006-03-01-DCIA	29.58	0.00	6.17	0.00	23.45
0.00 23.45	7.13	14.46	0.793		
006-03-01-DIA	29.58	0.00	5.87	0.00	23.90
0.00 23.90	1.36	2.71	0.808		
006-03-01-Pervious	29.58	9.00	0.00	38.58	0.00
0.00 0.00	0.00	0.000			
006-03-01-Roofs	29.58	0.00	5.94	0.00	23.79
0.00 23.79	3.23	6.45	0.804		
006-03-02-DCIA	29.58	0.00	6.29	0.00	23.31
0.00 23.31	4.11	8.39	0.788		
006-03-02-DIA	29.58	0.00	5.77	0.00	24.04
0.00 24.04	0.13	0.26	0.813		
006-03-02-Pervious	29.58	2.17	0.00	31.75	0.00
0.00 0.00	0.00	0.000			
006-03-02-Roofs	29.58	0.00	5.99	0.00	23.72
0.00 23.72	0.13	0.26	0.802		
006-03-02-RoofstoSewer	29.58	0.00	5.99	0.00	23.72
0.00 23.72	0.90	1.81	0.802		
006-03-03-DCIA	29.58	0.00	6.25	0.00	23.35
0.00 23.35	7.86	16.00	0.790		
006-03-03-DIA	29.58	0.00	5.69	0.00	24.11
0.00 24.11	0.13	0.26	0.815		
006-03-03-Pervious	29.58	6.27	0.00	35.85	0.00
0.00 0.00	0.00	0.000			
006-03-03-Roofs	29.58	0.00	6.18	0.00	23.44
0.00 23.44	2.10	4.26	0.793		
006-03-03-RoofstoSewer	29.58	0.00	6.18	0.00	23.44
0.00 23.44	4.97	10.07	0.793		
006-03-05-DCIA	29.58	0.00	6.17	0.00	23.46
0.00 23.46	2.93	5.94	0.793		
006-03-05-DIA	29.58	0.00	5.78	0.00	24.06
0.00 24.06	0.20	0.39	0.813		
006-03-05-Pervious	29.58	14.74	0.00	44.32	0.00
0.00 0.00	0.00	0.000			
006-03-05-Roofs	29.58	0.00	5.92	0.00	23.83
0.00 23.83	1.16	2.32	0.806		
006-03-06-DCIA	29.58	0.00	6.28	0.00	23.32
0.00 23.32	1.58	3.23	0.788		
006-03-06-DIA	29.58	0.00	5.85	0.00	23.98
0.00 23.98	0.13	0.26	0.811		
006-03-06-Pervious	29.58	11.93	0.00	41.51	0.00
0.00 0.00	0.00	0.000			

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006-03-06-Roofs	29.58	0.00	5.93	0.00	23.81
0.00 23.81	0.39	0.77	0.805		
006-03-07-DCIA	29.58	0.00	6.27	0.00	23.33
0.00 23.33	4.05	8.26	0.789		
006-03-07-DIA	29.58	0.00	5.84	0.00	23.94
0.00 23.94	0.33	0.65	0.809		
006-03-07-Pervious	29.58	13.09	0.00	42.67	0.00
0.00 0.00	0.00	0.00	0.000		
006-03-07-Roofs	29.58	0.00	5.97	0.00	23.75
0.00 23.75	1.10	2.19	0.803		
006-03-07-RoofstoSewer	29.58	0.00	5.97	0.00	23.75
0.00 23.75	0.39	0.77	0.803		
006-03-10-DCIA	29.58	0.00	6.15	0.00	23.48
0.00 23.48	1.72	3.48	0.794		
006-03-10-Pervious	29.58	0.00	0.00	29.58	0.00
0.00 0.00	0.00	0.00	0.000		
006-03-10-RoofstoSewer	29.58	0.00	6.01	0.00	23.69
0.00 23.69	1.42	2.84	0.801		
006-03-11-DCIA	29.58	3.27	6.36	0.00	26.51
0.00 26.51	7.34	14.97	0.807		
006-03-11-DIA	29.58	0.00	5.89	0.00	23.86
0.00 23.86	0.91	1.81	0.807		
006-03-11-Pervious	29.58	11.32	0.00	40.90	0.00
0.00 0.00	0.00	0.00	0.000		
006-03-11-Roofs	29.58	0.00	5.93	0.00	23.82
0.00 23.82	2.78	5.55	0.805		
006-03-11-RoofstoDCIA	29.58	0.00	5.93	0.00	23.82
0.00 23.82	0.91	1.81	0.805		
006-03-12-DCIA	29.58	2.63	6.26	0.00	25.98
0.00 25.98	10.86	22.07	0.807		
006-03-12-DIA	29.58	0.00	5.87	0.00	23.91
0.00 23.91	1.43	2.84	0.808		
006-03-12-Pervious	29.58	9.05	0.00	38.63	0.00
0.00 0.00	0.00	0.00	0.000		
006-03-12-Roofs	29.58	0.00	5.92	0.00	23.83
0.00 23.83	3.36	6.71	0.805		
006-03-12-RoofstoDCIA	29.58	0.00	5.92	0.00	23.83
0.00 23.83	1.10	2.19	0.805		
007-03-01-DCIA	29.58	0.00	6.19	0.00	23.42
0.00 23.42	1.27	2.58	0.792		
007-03-01-DIA	29.58	0.00	5.92	0.00	23.83
0.00 23.83	0.91	1.81	0.805		
007-03-01-Pervious	29.58	16.06	0.00	45.64	0.00
0.00 0.00	0.00	0.00	0.000		
007-03-01-Roofs	29.58	0.00	5.91	0.00	23.84
0.00 23.84	1.10	2.19	0.806		
007-03-02-DCIA	29.58	0.00	6.26	0.00	23.35
0.00 23.35	3.42	6.97	0.789		
007-03-02-DIA	29.58	0.00	5.93	0.00	23.82
0.00 23.82	1.88	3.74	0.805		
007-03-02-Pervious	29.58	15.53	0.00	45.11	0.00
0.00 0.00	0.00	0.00	0.000		
007-03-02-Roofs	29.58	0.00	5.91	0.00	23.84
0.00 23.84	1.88	3.74	0.806		
007-03-03-DCIA	29.58	0.00	6.22	0.00	23.39
0.00 23.39	0.51	1.03	0.791		
007-03-03-DIA	29.58	0.00	5.91	0.00	23.84
0.00 23.84	0.26	0.52	0.806		
007-03-03-Pervious	29.58	10.59	0.00	40.17	0.00
0.00 0.00	0.00	0.00	0.000		
007-03-03-RoofstoSewer	29.58	0.00	6.15	0.00	23.48
0.00 23.48	1.91	3.87	0.794		

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007-03-04-DCIA	29.58	0.00	6.20	0.00	23.42
0.00 23.42	0.45	0.90	0.792		
007-03-04-DIA	29.58	0.00	5.91	0.00	23.84
0.00 23.84	0.26	0.52	0.806		
007-03-04-Pervious	29.58	13.62	0.00	43.20	0.00
0.00 0.00	0.00	0.000			
007-03-04-RoofstoSewer	29.58	0.00	6.15	0.00	23.48
0.00 23.48	1.15	2.32	0.794		
007-03-05-DCIA	29.58	0.00	6.49	0.00	23.08
0.00 23.08	5.77	11.87	0.780		
007-03-05-DIA	29.58	0.00	5.95	0.00	23.78
0.00 23.78	1.94	3.87	0.804		
007-03-05-Pervious	29.58	13.26	0.00	42.84	0.00
0.00 0.00	0.00	0.000			
007-03-05-Roofs	29.58	0.00	5.90	0.00	23.85
0.00 23.85	1.23	2.45	0.806		
007-03-05-RoofstoSewer	29.58	0.00	6.15	0.00	23.48
0.00 23.48	1.21	2.45	0.794		
007-03-06-DCIA	29.58	0.00	7.34	0.00	22.20
0.00 22.20	0.90	1.89	0.751		
007-03-06-DIA	29.58	0.00	6.10	0.00	23.55
0.00 23.55	0.38	0.77	0.796		
007-03-06-Pervious	29.58	8.31	0.00	37.89	0.00
0.00 0.00	0.00	0.000			
007-03-06-RoofstoSewer	29.58	0.00	6.15	0.00	23.48
0.00 23.48	0.64	1.29	0.794		
007-03-07-DCIA	29.58	0.00	6.53	0.00	23.04
0.00 23.04	3.88	8.00	0.779		
007-03-07-DIA	29.58	0.00	5.92	0.00	23.83
0.00 23.83	0.71	1.42	0.806		
007-03-07-Pervious	29.58	7.94	0.00	37.52	0.00
0.00 0.00	0.00	0.000			
007-03-07-RoofstoSewer	29.58	0.00	6.15	0.00	23.48
0.00 23.48	0.13	0.26	0.794		
007-03-08-DCIA	29.58	1.15	6.55	0.00	24.16
0.00 24.16	2.69	5.55	0.786		
007-03-08-DIA	29.58	0.00	5.92	0.00	23.83
0.00 23.83	0.45	0.90	0.806		
007-03-08-Pervious	29.58	13.90	0.00	43.48	0.00
0.00 0.00	0.00	0.000			
007-03-08-RoofstoDCIA	29.58	0.00	6.15	0.00	23.48
0.00 23.48	0.13	0.26	0.794		
007-03-09-DCIA	29.58	0.00	6.43	0.00	23.15
0.00 23.15	3.83	7.87	0.783		
007-03-09-DCIA-OVERLANDtoSTORMSEWER	29.58	0.00	0.00	6.18	0.00
23.44 0.00	23.44	1.27	2.58	0.792	
007-03-09-DIA	29.58	0.00	5.94	0.00	23.79
0.00 23.79	1.36	2.71	0.804		
007-03-09-Pervious	29.58	12.81	0.00	42.39	0.00
0.00 0.00	0.00	0.000			
007-03-09-RoofstoSewer	29.58	0.00	6.15	0.00	23.48
0.00 23.48	1.91	3.87	0.794		
007-03-10-DCIA	29.58	0.10	6.58	0.00	23.09
0.00 23.09	2.95	6.94	0.778		
007-03-10-DIA	29.58	0.00	5.94	0.00	23.80
0.00 23.80	0.65	1.29	0.804		
007-03-10-Pervious	29.58	45.63	0.01	74.83	0.00
0.39 0.39	0.01	0.89	0.005		
007-03-10-Roofs	29.58	0.00	5.93	0.00	23.82
0.00 23.82	0.84	1.68	0.805		
007-03-10-RoofstoSewer	29.58	0.00	6.15	0.00	23.48
0.00 23.48	0.83	1.68	0.794		

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007-03-11-DCIA	29.58	0.00	6.71	0.00	22.85
0.00 22.85	5.77 12.00	0.772			
007-03-11-DIA	29.58	0.00	5.94	0.00	23.80
0.00 23.80	0.90 1.81	0.805			
007-03-11-Pervious	29.58	18.51	0.00	48.09	0.00
0.00 0.00	0.00 0.00	0.000			
007-03-11-RoofstoSewer	29.58	0.00	6.15	0.00	23.48
0.00 23.48	1.53 3.10	0.794			
007-03-12-DCIA	29.58	0.00	6.36	0.00	23.23
0.00 23.23	3.22 6.58	0.785			
007-03-12-DCIA-OVERLANDtoSTORMSEWER	29.58	0.00	0.00	6.14	0.00
23.49 0.00	23.49 1.08	2.19 0.794			
007-03-12-DIA	29.58	0.00	5.93	0.00	23.81
0.00 23.81	1.16 2.32	0.805			
007-03-12-Pervious	29.58	30.62	0.00	60.20	0.00
0.00 0.00	0.00 0.00	0.000			
007-03-12-RoofstoSewer	29.58	0.00	6.15	0.00	23.48
0.00 23.48	5.93 12.00	0.794			
007-03-13-DCIA	29.58	0.00	6.46	0.00	23.12
0.00 23.12	2.95 6.07	0.782			
007-03-13-DCIA-OVERLANDtoSTORMSEWER	29.58	0.00	0.00	6.20	0.00
23.41 0.00	23.41 1.02	2.07 0.791			
007-03-13-DIA	29.58	0.00	5.94	0.00	23.80
0.00 23.80	0.90 1.81	0.805			
007-03-13-Pervious	29.58	17.54	0.00	47.12	0.00
0.00 0.00	0.00 0.00	0.000			
007-03-13-RoofstoSewer	29.58	0.00	6.15	0.00	23.48
0.00 23.48	3.12 6.32	0.794			
007-06-01-DCIA	29.58	0.71	6.64	0.00	23.64
0.00 23.64	1.35 4.70	0.780			
007-06-01-DIA	29.58	0.00	5.88	0.00	23.89
0.00 23.89	0.13 0.26	0.808			
007-06-01-Pervious	29.58	22.00	0.08	50.36	0.00
1.15 1.15	0.04 2.64	0.022			
007-06-01-Roofs	29.58	0.00	5.93	0.00	23.82
0.00 23.82	0.65 1.29	0.805			
007-06-02-DCIA	29.58	0.01	6.46	0.00	23.13
0.00 23.13	0.57 1.16	0.782			
007-06-02-DIA	29.58	0.00	5.90	0.00	23.85
0.00 23.85	0.13 0.26	0.806			
007-06-02-Pervious	29.58	7.45	0.02	37.01	0.00
0.00 0.00	0.00 0.06	0.000			
007-06-02-Roofs	29.58	0.00	5.90	0.00	23.85
0.00 23.85	0.19 0.39	0.806			
007-06-03-DCIA	29.58	0.00	6.39	0.00	23.19
0.00 23.19	0.13 0.26	0.784			
007-06-03-Pervious	29.58	4.77	0.01	34.34	0.00
0.00 0.00	0.00 0.00	0.000			
007-06-03-Roofs	29.58	0.00	5.90	0.00	23.85
0.00 23.85	0.06 0.13	0.806			
007-06-04-DCIA	29.58	0.00	6.44	0.00	23.14
0.00 23.14	0.50 1.03	0.782			
007-06-04-Pervious	29.58	6.82	0.02	36.38	0.00
0.00 0.00	0.00 0.00	0.000			
007-06-04-Roofs	29.58	0.00	5.90	0.00	23.85
0.00 23.85	0.13 0.26	0.806			
007-06-05-DCIA	29.58	0.31	6.37	0.00	23.52
0.00 23.52	1.79 3.61	0.787			
007-06-05-DIA	29.58	0.00	5.88	0.00	23.89
0.00 23.89	0.39 0.77	0.807			
007-06-05-Pervious	29.58	10.48	0.03	39.82	0.00
0.21 0.21	0.02 1.08	0.005			

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007-06-05-Roofs	29.58	0.00	5.90	0.00	23.85
0.00 23.85	0.78	1.55	0.806		
007-06-06-DCIA	29.58	0.21	6.43	0.00	23.37
0.00 23.37	1.65	3.36	0.784		
007-06-06-DIA	29.58	0.00	5.85	0.00	23.94
0.00 23.94	0.19	0.39	0.809		
007-06-06-Pervious	29.58	9.64	0.03	39.08	0.00
0.11 0.11	0.02	1.05	0.003		
007-06-06-Roofs	29.58	0.00	5.90	0.00	23.85
0.00 23.85	1.17	2.32	0.806		
007-06-07-DCIA	29.58	0.41	6.50	0.00	23.48
0.00 23.48	1.47	2.97	0.783		
007-06-07-DIA	29.58	0.00	5.84	0.00	23.95
0.00 23.95	0.13	0.26	0.810		
007-06-07-Pervious	29.58	12.31	0.04	41.55	0.00
0.30 0.30	0.03	0.89	0.007		
007-06-07-Roofs	29.58	0.00	5.91	0.00	23.84
0.00 23.84	0.91	1.81	0.806		
007-06-08-DCIA	29.58	0.24	6.44	0.00	23.38
0.00 23.38	5.33	10.84	0.784		
007-06-08-DIA	29.58	0.00	5.84	0.00	23.95
0.00 23.95	0.52	1.03	0.810		
007-06-08-Pervious	29.58	10.03	0.03	39.41	0.00
0.17 0.17	0.06	3.01	0.004		
007-06-08-Roofs	29.58	0.00	5.90	0.00	23.85
0.00 23.85	2.72	5.42	0.806		
007-06-09-DCIA	29.58	0.63	6.39	0.00	23.82
0.00 23.82	2.78	5.55	0.789		
007-06-09-DIA	29.58	0.00	5.88	0.00	23.90
0.00 23.90	0.58	1.16	0.808		
007-06-09-Pervious	29.58	12.22	0.04	41.44	0.00
0.33 0.33	0.07	3.36	0.008		
007-06-09-Roofs	29.58	0.00	5.90	0.00	23.85
0.00 23.85	2.14	4.26	0.806		
007-06-10-DCIA	29.58	0.59	6.35	0.00	23.83
0.00 23.83	3.11	6.20	0.790		
007-06-10-DIA	29.58	0.00	5.87	0.00	23.89
0.00 23.89	0.71	1.42	0.808		
007-06-10-Pervious	29.58	11.80	0.04	41.06	0.00
0.30 0.30	0.08	3.15	0.007		
007-06-10-Roofs	29.58	0.00	5.90	0.00	23.85
0.00 23.85	2.33	4.65	0.806		
016-02-01-DCIA	29.58	0.00	10.52	0.00	19.04
0.00 19.04	3.57	8.90	0.644		
016-02-01-DIA	29.58	0.00	5.91	0.00	23.84
0.00 23.84	1.42	2.84	0.806		
016-02-01-Pervious	29.58	9.76	0.00	39.34	0.00
0.00 0.00	0.00	0.00	0.000		
016-02-01-Roofs	29.58	0.00	5.94	0.00	23.79
0.00 23.79	2.84	5.68	0.804		
016-02-02-DCIA	29.58	0.00	10.52	0.00	19.03
0.00 19.03	6.92	17.29	0.643		
016-02-02-DIA	29.58	0.00	5.89	0.00	23.87
0.00 23.87	1.81	3.61	0.807		
016-02-02-Pervious	29.58	10.75	0.00	40.33	0.00
0.00 0.00	0.00	0.00	0.000		
016-02-02-Roofs	29.58	0.00	5.94	0.00	23.80
0.00 23.80	4.78	9.55	0.805		
016-02-03-DCIA	29.58	0.00	10.49	0.00	19.09
0.00 19.09	0.62	1.55	0.645		
016-02-03-DIA	29.58	0.00	5.88	0.00	23.90
0.00 23.90	0.32	0.65	0.808		

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016-02-03-Pervious	29.58	3.41	0.00	32.99	0.00
0.00 0.00	0.00	0.00	0.00		
016-02-03-Roofs	29.58	0.00	5.89	0.00	23.86
0.00 23.86	0.71	1.42	0.807		
016-02-04-DCIA	29.58	0.00	10.50	0.00	19.07
0.00 19.07	3.11	7.74	0.645		
016-02-04-DIA	29.58	0.00	5.89	0.00	23.87
0.00 23.87	1.30	2.58	0.807		
016-02-04-Pervious	29.58	6.67	0.00	36.25	0.00
0.00 0.00	0.00	0.00	0.00		
016-02-04-Roofs	29.58	0.00	5.91	0.00	23.84
0.00 23.84	2.07	4.13	0.806		
016-02-05-DCIA	29.58	0.00	10.51	0.00	19.05
0.00 19.05	6.26	15.61	0.644		
016-02-05-DIA	29.58	0.00	5.89	0.00	23.87
0.00 23.87	2.14	4.26	0.807		
016-02-05-Pervious	29.58	9.58	0.00	39.16	0.00
0.00 0.00	0.00	0.00	0.00		
016-02-05-Roofs	29.58	0.00	5.92	0.00	23.83
0.00 23.83	3.69	7.36	0.805		
016-02-06-DCIA	29.58	0.00	10.54	0.00	19.00
0.00 19.00	4.69	11.74	0.642		
016-02-06-DIA	29.58	0.00	5.92	0.00	23.83
0.00 23.83	1.42	2.84	0.806		
016-02-06-Pervious	29.58	5.72	0.00	35.30	0.00
0.00 0.00	0.00	0.00	0.00		
016-02-06-Roofs	29.58	0.00	5.93	0.00	23.81
0.00 23.81	2.07	4.13	0.805		
016-02-07-DCIA	29.58	0.00	10.53	0.00	19.01
0.00 19.01	7.02	17.55	0.643		
016-02-07-DIA	29.58	0.00	5.88	0.00	23.88
0.00 23.88	1.30	2.58	0.807		
016-02-07-Pervious	29.58	17.43	0.00	47.01	0.00
0.00 0.00	0.00	0.00	0.00		
016-02-07-Roofs	29.58	0.00	5.91	0.00	23.84
0.00 23.84	3.62	7.23	0.806		
016-02-08-DCIA	29.58	0.00	10.51	0.00	19.05
0.00 19.05	3.10	7.74	0.644		
016-02-08-DIA	29.58	0.00	5.88	0.00	23.88
0.00 23.88	0.91	1.81	0.807		
016-02-08-Pervious	29.58	8.51	0.00	38.09	0.00
0.00 0.00	0.00	0.00	0.00		
016-02-08-Roofs	29.58	0.00	5.89	0.00	23.87
0.00 23.87	2.07	4.13	0.807		
016-02-09-DCIA	29.58	0.00	10.50	0.00	19.07
0.00 19.07	3.88	9.68	0.645		
016-02-09-DIA	29.58	0.00	5.90	0.00	23.86
0.00 23.86	1.81	3.61	0.806		
016-02-09-Pervious	29.58	8.07	0.00	37.65	0.00
0.00 0.00	0.00	0.00	0.00		
016-02-09-Roofs	29.58	0.00	5.93	0.00	23.81
0.00 23.81	3.75	7.49	0.805		
016-02-10-DCIA	29.58	0.00	10.51	0.00	19.06
0.00 19.06	4.61	11.48	0.644		
016-02-10-DIA	29.58	0.00	5.90	0.00	23.85
0.00 23.85	2.01	4.00	0.806		
016-02-10-Pervious	29.58	6.29	0.00	35.87	0.00
0.00 0.00	0.00	0.00	0.00		
016-02-10-Roofs	29.58	0.00	5.91	0.00	23.84
0.00 23.84	3.88	7.74	0.806		
016-02-11-DCIA	29.58	0.00	10.50	0.00	19.08
0.00 19.08	2.38	5.94	0.645		

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016-02-11-DIA	29.58	0.00	5.87	0.00	23.90
0.00 23.90	0.78	1.55	0.808		
016-02-11-Pervious	29.58	8.26	0.00	37.84	0.00
0.00 0.00	0.00	0.00	0.000		
016-02-11-Roofs	29.58	0.00	5.89	0.00	23.87
0.00 23.87	1.62	3.23	0.807		
016-02-12-DCIA	29.58	7.97	10.83	0.00	26.80
0.00 26.80	0.44	1.03	0.714		
016-02-12-DIA	29.58	0.00	5.85	0.00	23.94
0.00 23.94	0.13	0.26	0.809		
016-02-12-Pervious	29.58	3.54	0.00	33.12	0.00
0.00 0.00	0.00	0.00	0.000		
016-02-12-Roofs	29.58	0.00	5.87	0.00	23.89
0.00 23.89	0.13	0.26	0.808		
016-02-12-RoofstoDCIA	29.58	0.00	5.86	0.00	23.92
0.00 23.92	0.13	0.26	0.809		
016-02-13-DCIA	29.58	0.00	10.49	0.00	19.08
0.00 19.08	3.52	8.78	0.645		
016-02-13-DIA	29.58	0.00	5.89	0.00	23.87
0.00 23.87	1.62	3.23	0.807		
016-02-13-Pervious	29.58	10.32	0.00	39.90	0.00
0.00 0.00	0.00	0.00	0.000		
016-02-13-Roofs	29.58	0.00	5.90	0.00	23.85
0.00 23.85	3.37	6.71	0.806		
016-02-14-DCIA	29.58	0.00	10.52	0.00	19.03
0.00 19.03	5.53	13.81	0.643		
016-02-14-DIA	29.58	0.00	5.85	0.00	23.93
0.00 23.93	0.78	1.55	0.809		
016-02-14-Pervious	29.58	22.69	0.00	52.27	0.00
0.00 0.00	0.00	0.00	0.000		
016-02-14-Roofs	29.58	0.00	5.94	0.00	23.79
0.00 23.79	4.46	8.91	0.804		
016-02-15-DCIA	29.58	0.00	10.50	0.00	19.07
0.00 19.07	2.90	7.23	0.645		
016-02-15-DIA	29.58	0.00	5.87	0.00	23.89
0.00 23.89	0.97	1.94	0.808		
016-02-15-Pervious	29.58	6.49	0.00	36.07	0.00
0.00 0.00	0.00	0.00	0.000		
016-02-15-Roofs	29.58	0.00	5.89	0.00	23.87
0.00 23.87	1.88	3.74	0.807		
016-02-16-DCIA	29.58	0.00	10.52	0.00	19.02
0.00 19.02	1.76	4.39	0.643		
016-02-16-DIA	29.58	0.00	5.87	0.00	23.91
0.00 23.91	0.32	0.65	0.808		
016-02-16-Pervious	29.58	5.96	0.00	35.54	0.00
0.00 0.00	0.00	0.00	0.000		
016-02-16-Roofs	29.58	0.00	5.92	0.00	23.83
0.00 23.83	0.52	1.03	0.805		
016-02-16-RoofstoSewer	29.58	0.00	5.92	0.00	23.83
0.00 23.83	0.13	0.26	0.805		
016-02-17-DCIA	29.58	7.81	10.84	0.00	26.57
0.00 26.57	2.45	6.45	0.711		
016-02-17-DIA	29.58	0.00	5.91	0.00	23.83
0.00 23.83	0.84	1.68	0.806		
016-02-17-Pervious	29.58	51.64	0.01	80.51	0.00
0.72 0.72	0.01	0.64	0.009		
016-02-17-RoofstoDCIA	29.58	0.00	5.97	0.00	23.74
0.00 23.74	0.71	1.42	0.803		
016-02-17-RoofstoSewer	29.58	0.00	5.97	0.00	23.74
0.00 23.74	0.71	1.42	0.803		
016-03-01-DCIA	29.58	8.10	14.44	0.00	22.93
0.00 22.93	7.66	21.30	0.609		

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016-03-01-DCIA-OVERLANDtoRIVER	29.58	8.07	14.31	0.00
23.08 0.00 23.08 2.57 7.10 0.613				
016-03-01-DIA	29.58	0.00	5.92	0.00
0.00 23.82 2.07 4.13 0.805				23.82
016-03-01-Pervious	29.58	12.92	0.00	42.50
0.00 0.00 0.00 0.00 0.000				0.00
016-03-01-RoofstoDCIA	29.58	0.00	5.99	0.00
0.00 23.71 2.70 5.42 0.802				23.71
016-03-01-RoofstoDCIA-OVERLAND	29.58	0.00	6.04	0.00
23.64 0.00 23.64 0.90 1.81 0.799				
016-03-01-RoofstoSewer	29.58	0.00	6.00	0.00
0.00 23.70 3.67 7.36 0.801				23.70
016-04-01-DCIA	29.58	2.56	6.04	0.00
0.00 26.22 5.27 10.59 0.816				26.22
016-04-01-DIA	29.58	0.00	5.88	0.00
0.00 23.88 0.65 1.29 0.807				23.88
016-04-01-Pervious	29.58	11.37	0.00	40.95
0.00 0.00 0.00 0.00 0.000				0.00
016-04-01-RoofstoDCIA	29.58	0.00	5.99	0.00
0.00 23.72 0.52 1.03 0.802				23.72
016-04-01-RoofstoSewer	29.58	0.00	5.99	0.00
0.00 23.72 1.61 3.23 0.802				23.72
016-06-01-DCIA	29.58	0.00	6.39	0.00
0.00 23.19 1.26 2.58 0.784				23.19
016-06-01-DIA	29.58	0.00	5.86	0.00
0.00 23.91 0.19 0.39 0.808				23.91
016-06-01-Pervious	29.58	10.69	0.00	40.27
0.00 0.00 0.00 0.00 0.000				0.00
016-06-01-Roofs	29.58	0.00	5.91	0.00
0.00 23.83 0.65 1.29 0.806				23.83
016-06-02-DCIA	29.58	0.00	6.42	0.00
0.00 23.16 1.51 3.10 0.783				23.16
016-06-02-DIA	29.58	0.00	5.85	0.00
0.00 23.93 0.19 0.39 0.809				23.93
016-06-02-Pervious	29.58	11.10	0.00	40.68
0.00 0.00 0.00 0.00 0.000				0.00
016-06-02-Roofs	29.58	0.00	5.90	0.00
0.00 23.84 1.10 2.19 0.806				23.84
016-07-01-DCIA	29.58	0.00	6.30	0.00
0.00 23.29 3.54 7.23 0.787				23.29
016-07-01-DIA	29.58	0.00	5.86	0.00
0.00 23.94 0.39 0.77 0.809				23.94
016-07-01-Pervious	29.58	7.95	0.01	37.52
0.00 0.00 0.00 0.00 0.000				0.00
016-07-01-PerviousSeparate	29.58	0.00	0.00	29.58
0.00 0.00 0.00 0.00 0.000				0.00
016-07-01-Roofs	29.58	0.00	5.96	0.00
0.00 23.77 0.45 0.90 0.803				23.77
016-07-01-RoofstoSewer	29.58	0.00	5.96	0.00
0.00 23.77 1.29 2.58 0.803				23.77
016-08-01-DCIA	29.58	0.00	6.07	0.00
0.00 23.59 1.92 3.87 0.798				23.59
016-08-01-DIA	29.58	0.00	5.88	0.00
0.00 23.88 0.13 0.26 0.807				23.88
016-08-01-Pervious	29.58	16.52	0.00	46.10
0.00 0.00 0.00 0.00 0.000				0.00
016-08-01-PerviousstoSewer	29.58	0.00	0.00	29.58
0.00 0.00 0.00 0.00 0.000				0.00
016-08-01-Roofs	29.58	0.00	5.90	0.00
0.00 23.85 0.45 0.90 0.806				23.85
016-09-01-DCIA	29.58	0.00	6.64	0.00
0.00 22.92 1.00 2.06 0.775				22.92

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016-09-01-DIA	29.58	0.00	5.97	0.00	23.75
0.00 23.75	0.45	0.90	0.803		
016-09-01-Pervious	29.58	5.54	0.00	35.12	0.00
0.00 0.00	0.00	0.00	0.000		
016-09-01-RoofstoSewer	29.58	0.00	6.10	0.00	23.54
0.00 23.54	1.85	3.74	0.796		
016-09-02-DCIA	29.58	0.00	6.36	0.00	23.23
0.00 23.23	2.14	4.39	0.785		
016-09-02-DIA	29.58	0.00	5.95	0.00	23.79
0.00 23.79	1.55	3.10	0.804		
016-09-02-Pervious	29.58	18.98	0.00	48.56	0.00
0.00 0.00	0.00	0.00	0.000		
016-09-02-Roofs	29.58	0.00	5.88	0.00	23.89
0.00 23.89	1.23	2.45	0.808		
016-09-02-RoofstoSewer	29.58	0.00	6.05	0.00	23.61
0.00 23.61	1.22	2.45	0.798		
016-09-03-DCIA	29.58	0.00	6.28	0.00	23.32
0.00 23.32	7.03	14.33	0.789		
016-09-03-DIA	29.58	0.00	5.93	0.00	23.80
0.00 23.80	5.82	11.62	0.805		
016-09-03-Pervious	29.58	17.60	0.00	47.18	0.00
0.00 0.00	0.00	0.00	0.000		
016-09-03-Roofs	29.58	0.00	5.88	0.00	23.89
0.00 23.89	8.04	16.00	0.808		
016-09-04-DCIA	29.58	0.00	6.25	0.00	23.35
0.00 23.35	1.71	3.48	0.790		
016-09-04-DIA	29.58	0.00	5.90	0.00	23.85
0.00 23.85	0.91	1.81	0.806		
016-09-04-Pervious	29.58	2.45	0.00	32.03	0.00
0.00 0.00	0.00	0.00	0.000		
016-09-04-Roofs	29.58	0.00	5.90	0.00	23.85
0.00 23.85	0.13	0.26	0.806		
017-02-01-DCIA	29.58	0.49	6.48	0.00	23.58
0.00 23.58	0.45	1.22	0.784		
017-02-01-Pervious	29.58	70.74	0.04	96.93	0.00
3.40 3.40	0.01	0.31	0.034		
017-02-01-Roofs	29.58	0.00	6.08	0.00	23.58
0.00 23.58	0.19	0.39	0.797		
017-02-02-DCIA	29.58	0.00	6.33	0.00	23.26
0.00 23.26	1.52	3.10	0.786		
017-02-02-DIA	29.58	0.00	5.94	0.00	23.80
0.00 23.80	1.03	2.07	0.805		
017-02-02-Pervious	29.58	7.40	0.00	36.98	0.00
0.00 0.00	0.00	0.00	0.000		
017-02-02-Roofs	29.58	0.00	5.94	0.00	23.79
0.00 23.79	0.78	1.55	0.804		
017-02-03-DCIA	29.58	5.00	6.58	0.00	28.00
0.00 28.00	1.44	2.97	0.810		
017-02-03-DIA	29.58	0.00	5.91	0.00	23.84
0.00 23.84	0.26	0.52	0.806		
017-02-03-Pervious	29.58	13.62	0.00	43.20	0.00
0.00 0.00	0.00	0.00	0.000		
017-02-03-RoofstoDCIA	29.58	0.00	5.97	0.00	23.74
0.00 23.74	0.26	0.52	0.803		
017-02-03-RoofstoSewer	29.58	0.00	5.97	0.00	23.74
0.00 23.74	0.26	0.52	0.803		
017-02-04-DCIA	29.58	3.75	6.53	0.00	26.81
0.00 26.81	7.86	16.13	0.804		
017-02-04-DIA	29.58	0.00	5.93	0.00	23.81
0.00 23.81	2.33	4.65	0.805		
017-02-04-Pervious	29.58	18.74	0.00	48.32	0.00
0.00 0.00	0.00	0.00	0.000		

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017-02-04-Roofs	29.58	0.00	5.92	0.00	23.83
0.00 23.83 1.49 2.97 0.806					
017-02-04-RoofstoDCIA	29.58	0.00	5.92	0.00	23.83
0.00 23.83 1.10 2.19 0.806					
017-02-04-RoofstoSewer	29.58	0.00	5.92	0.00	23.83
0.00 23.83 1.10 2.19 0.806					
017-02-05-DCIA	29.58	12.93	6.57	0.00	35.95
0.00 35.95 4.98 10.20 0.846					
017-02-05-DCIA-OVERLANDtoRIVER	29.58	0.00	6.09	0.00	0.00
23.56 0.00 23.56 0.58 1.16 0.796					
017-02-05-DIA	29.58	0.00	5.86	0.00	23.91
0.00 23.91 0.45 0.90 0.808					
017-02-05-Pervious	29.58	4.65	0.00	34.23	0.00
0.00 0.00 0.00 0.00 0.000					
017-02-05-RoofstoDCIA	29.58	0.00	6.10	0.00	23.54
0.00 23.54 1.79 3.61 0.796					
017-02-06-DCIA	29.58	0.00	6.39	0.00	23.20
0.00 23.20 7.43 15.23 0.784					
017-02-06-DIA	29.58	0.00	5.94	0.00	23.79
0.00 23.79 4.33 8.65 0.804					
017-02-06-Pervious	29.58	15.46	0.00	45.04	0.00
0.00 0.00 0.00 0.00 0.000					
017-02-06-Roofs	29.58	0.00	5.88	0.00	23.88
0.00 23.88 4.86 9.68 0.807					
017-02-07-DCIA	29.58	9.62	6.67	0.00	32.54
0.00 32.54 3.71 7.61 0.830					
017-02-07-DCIA-OVERLANDtoRIVER	29.58	0.00	6.13	0.00	0.00
23.50 0.00 23.50 0.45 0.90 0.794					
017-02-07-Pervious	29.58	0.00	0.00	29.58	0.00
0.00 0.00 0.00 0.00 0.000					
017-02-07-RoofstoDCIA	29.58	0.00	5.95	0.00	23.77
0.00 23.77 1.10 2.19 0.804					
017-02-08-DCIA	29.58	0.00	6.56	0.00	23.01
0.00 23.01 2.87 5.94 0.778					
017-02-08-DCIA-OVERLANDtoRIVER	29.58	0.00	6.21	0.00	0.00
23.40 0.00 23.40 0.76 1.55 0.791					
017-02-08-Pervious	29.58	1.44	0.00	31.02	0.00
0.00 0.00 0.00 0.00 0.000					
017-02-08-Roofs	29.58	0.00	5.91	0.00	23.84
0.00 23.84 0.13 0.26 0.806					
017-02-08-RoofstoDCIA	0.00	0.00	0.00	0.00	0.00
0.00 0.00 0.00 0.00 0.000					
018-04-01-DCIA	29.58	0.00	6.58	0.00	22.99
0.00 22.99 1.50 3.10 0.777					
018-04-01-DCIA-OVERLANDtoRIVER	29.58	0.00	6.15	0.00	0.00
23.48 0.00 23.48 0.26 0.52 0.794					
018-04-01-DIA	29.58	0.00	5.79	0.00	24.02
0.00 24.02 0.20 0.39 0.812					
018-04-01-Pervious	29.58	12.77	0.00	42.35	0.00
0.00 0.00 0.00 0.00 0.000					
018-04-01-Roofs	29.58	0.00	5.94	0.00	23.79
0.00 23.79 0.78 1.55 0.804					
018-04-02-DCIA	29.58	0.00	6.68	0.00	22.88
0.00 22.88 8.32 17.29 0.773					
018-04-02-DIA	29.58	0.00	5.90	0.00	23.85
0.00 23.85 3.63 7.23 0.806					
018-04-02-Pervious	29.58	11.23	0.00	40.81	0.00
0.00 0.00 0.00 0.00 0.000					
018-04-02-Roofs	29.58	0.00	5.91	0.00	23.84
0.00 23.84 6.41 12.78 0.806					
018-04-03A-DCIA	29.58	0.00	6.27	0.00	23.33
0.00 23.33 5.07 10.33 0.789					

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018-04-03A-DIA	29.58	0.00	5.81	0.00	24.00
0.00 24.00	2.28	4.52	0.811		
018-04-03A-Pervious	29.58	13.05	0.00	42.63	0.00
0.00 0.00	0.00	0.000			
018-04-03A-Roofs	29.58	0.00	5.88	0.00	23.89
0.00 23.89	3.96	7.87	0.808		
018-04-03B-DCIA	29.58	0.00	6.27	0.00	23.33
0.00 23.33	5.07	10.33	0.789		
018-04-03B-DIA	29.58	0.00	5.81	0.00	24.00
0.00 24.00	2.28	4.52	0.811		
018-04-03B-Pervious	29.58	13.05	0.00	42.63	0.00
0.00 0.00	0.00	0.000			
018-04-03B-Roofs	29.58	0.00	5.88	0.00	23.89
0.00 23.89	3.96	7.87	0.808		
018-04-03C-DCIA	29.58	0.00	6.27	0.00	23.33
0.00 23.33	5.07	10.33	0.789		
018-04-03C-DIA	29.58	0.00	5.81	0.00	24.00
0.00 24.00	2.28	4.52	0.811		
018-04-03C-Pervious	29.58	13.05	0.00	42.63	0.00
0.00 0.00	0.00	0.000			
018-04-03C-Roofs	29.58	0.00	5.88	0.00	23.89
0.00 23.89	3.96	7.87	0.808		
018-04-03D-DCIA	29.58	0.00	6.27	0.00	23.33
0.00 23.33	5.07	10.33	0.789		
018-04-03D-DIA	29.58	0.00	5.81	0.00	24.00
0.00 24.00	2.28	4.52	0.811		
018-04-03D-Pervious	29.58	13.05	0.00	42.63	0.00
0.00 0.00	0.00	0.000			
018-04-03D-Roofs	29.58	0.00	5.88	0.00	23.89
0.00 23.89	3.96	7.87	0.808		
018-05-01-DCIA	29.58	0.00	6.29	0.00	23.31
0.00 23.31	3.67	7.49	0.788		
018-05-01-DCIA-OVERLANDtoRIVER	29.58	0.00	6.07	0.00	
23.59 0.00	23.59	0.90	1.81	0.798	
018-05-01-DIA	29.58	0.00	5.85	0.00	23.93
0.00 23.93	0.78	1.55	0.809		
018-05-01-Pervious	29.58	9.25	0.00	38.83	0.00
0.00 0.00	0.00	0.000			
018-05-01-Roofs	29.58	0.00	5.89	0.00	23.87
0.00 23.87	2.79	5.55	0.807		
018-05-02-DCIA	29.58	0.00	6.46	0.00	23.12
0.00 23.12	7.34	15.10	0.782		
018-05-02-DCIA-OVERLANDtoRIVER	29.58	0.00	6.15	0.00	
23.47 0.00	23.47	1.85	3.74	0.794	
018-05-02-DIA	29.58	0.00	5.84	0.00	23.95
0.00 23.95	0.72	1.42	0.810		
018-05-02-Pervious	29.58	10.21	0.00	39.79	0.00
0.00 0.00	0.00	0.000			
018-05-02-Roofs	29.58	0.00	5.93	0.00	23.81
0.00 23.81	3.17	6.32	0.805		
018-06-01-DCIA	29.58	16.12	6.49	0.00	39.24
0.00 39.24	10.76	21.94	0.859		
018-06-01-Pervious	29.58	0.00	0.00	29.58	0.00
0.00 0.00	0.00	0.000			
018-06-01-RoofstoDCIA	29.58	0.00	6.06	0.00	23.60
0.00 23.60	4.42	8.91	0.798		
019-01-01-DCIA	29.58	3.65	6.08	0.00	27.25
0.00 27.25	16.80	33.82	0.820		
019-01-01-DIA	29.58	0.00	5.87	0.00	23.91
0.00 23.91	1.10	2.19	0.808		
019-01-01-Pervious	29.58	6.86	0.00	36.44	0.00
0.00 0.00	0.00	0.000			

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019-01-01-Roofs	29.58	0.00	5.90	0.00	23.85
0.00 23.85	2.27	4.52	0.806		
019-01-01-RoofstoDCIA	29.58	0.00	6.01	0.00	23.68
0.00 23.68	2.25	4.52	0.800		
019-02-01-DCIA	29.58	0.00	5.93	0.00	23.82
0.00 23.82	8.47	16.91	0.805		
019-02-01-DIA	29.58	0.00	5.93	0.00	23.81
0.00 23.81	9.24	18.46	0.805		
019-02-01-Pervious	29.58	11.61	0.00	41.19	0.00
0.00 0.00	0.00	0.00	0.000		
019-02-01-Roofs	29.58	0.00	5.90	0.00	23.85
0.00 23.85	10.49	20.91	0.806		
019-02-02-DCIA	29.58	0.00	5.94	0.00	23.80
0.00 23.80	6.59	13.16	0.805		
019-02-02-DIA	29.58	0.00	5.93	0.00	23.82
0.00 23.82	6.14	12.26	0.805		
019-02-02-Pervious	29.58	8.20	0.00	37.78	0.00
0.00 0.00	0.00	0.00	0.000		
019-02-02-Roofs	29.58	0.00	5.87	0.00	23.90
0.00 23.90	6.04	12.00	0.808		
019-02-03-DCIA	29.58	0.00	5.93	0.00	23.80
0.00 23.80	6.20	12.39	0.805		
019-02-03-DIA	29.58	0.00	5.91	0.00	23.83
0.00 23.83	4.47	8.91	0.806		
019-02-03-Pervious	29.58	8.93	0.00	38.51	0.00
0.00 0.00	0.00	0.00	0.000		
019-02-03-Roofs	29.58	0.00	5.90	0.00	23.85
0.00 23.85	5.12	10.20	0.806		
019-02-04-DCIA	29.58	0.00	5.95	0.00	23.78
0.00 23.78	8.97	17.94	0.804		
019-02-04-DIA	29.58	0.00	5.94	0.00	23.79
0.00 23.79	7.62	15.23	0.804		
019-02-04-Pervious	29.58	11.23	0.00	40.81	0.00
0.00 0.00	0.00	0.00	0.000		
019-02-04-Roofs	29.58	0.00	5.90	0.00	23.85
0.00 23.85	9.52	18.97	0.806		
019-02-05-DCIA	29.58	0.00	5.89	0.00	23.87
0.00 23.87	1.10	2.19	0.807		
019-02-05-DIA	29.58	0.00	5.89	0.00	23.87
0.00 23.87	1.04	2.06	0.807		
019-02-05-Pervious	29.58	11.94	0.00	41.52	0.00
0.00 0.00	0.00	0.00	0.000		
019-02-05-Roofs	29.58	0.00	5.88	0.00	23.88
0.00 23.88	1.23	2.45	0.807		
019-02-06-DCIA	29.58	0.00	5.95	0.00	23.78
0.00 23.78	2.45	4.90	0.804		
019-02-06-DIA	29.58	0.00	5.95	0.00	23.78
0.00 23.78	2.45	4.90	0.804		
019-02-06-Pervious	29.58	11.11	0.00	40.69	0.00
0.00 0.00	0.00	0.00	0.000		
019-02-06-PerviousSeparate	29.58	0.00	0.00	29.58	0.00
0.00 0.00	0.00	0.00	0.000		
019-02-06-Roofs	29.58	0.00	5.90	0.00	23.85
0.00 23.85	1.17	2.32	0.806		
019-02-07-DCIA	29.58	0.00	5.96	0.00	23.77
0.00 23.77	10.52	21.04	0.803		
019-02-07-DIA	29.58	0.00	5.96	0.00	23.76
0.00 23.76	10.97	21.94	0.803		
019-02-07-Pervious	29.58	11.59	0.00	41.17	0.00
0.00 0.00	0.00	0.00	0.000		
019-02-07-PerviousSeparate	29.58	0.00	0.00	29.58	0.00
0.00 0.00	0.00	0.00	0.000		

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019-02-07-Roofs	29.58	0.00	5.90	0.00	23.85
0.00 23.85	10.69	21.30	0.806		
019-02-08-DIA	29.58	0.00	6.00	0.00	23.71
0.00 23.71	0.90	1.81	0.801		
019-02-08-Pervious	29.58	2.37	0.00	31.95	0.00
0.00 0.00	0.00	0.000			
019-02-08-RoofstoSewer	29.58	0.00	6.10	0.00	23.54
0.00 23.54	1.73	3.48	0.796		
019-02-09-DCIA	29.58	0.00	5.94	0.00	23.80
0.00 23.80	1.36	2.71	0.805		
019-02-09-DIA	29.58	0.00	5.95	0.00	23.78
0.00 23.78	1.61	3.23	0.804		
019-02-09-Pervious	29.58	12.26	0.00	41.84	0.00
0.00 0.00	0.00	0.000			
019-02-09-Roofs	29.58	0.00	5.90	0.00	23.85
0.00 23.85	1.81	3.61	0.806		
019-02-10-DCIA	29.58	0.00	5.93	0.00	23.80
0.00 23.80	4.01	8.00	0.805		
019-02-10-DIA	29.58	0.00	5.92	0.00	23.82
0.00 23.82	3.30	6.58	0.805		
019-02-10-Pervious	29.58	10.20	0.00	39.78	0.00
0.00 0.00	0.00	0.000			
019-02-10-Roofs	29.58	0.00	5.90	0.00	23.85
0.00 23.85	4.21	8.39	0.806		
019-07-01-DCIA	29.58	0.00	6.63	0.00	22.93
0.00 22.93	0.68	1.42	0.775		
019-07-01-DIA	29.58	0.00	5.80	0.00	24.00
0.00 24.00	0.13	0.26	0.811		
019-07-01-Pervious	29.58	6.52	0.00	36.10	0.00
0.00 0.00	0.00	0.000			
019-07-01-Roofs	29.58	0.00	5.87	0.00	23.90
0.00 23.90	0.45	0.90	0.808		
019-08-01-DCIA	29.58	0.00	6.57	0.00	23.00
0.00 23.00	2.75	5.68	0.777		
019-08-01-DIA	29.58	0.00	5.94	0.00	23.79
0.00 23.79	2.20	4.39	0.804		
019-08-01-Pervious	29.58	7.70	0.00	37.28	0.00
0.00 0.00	0.00	0.000			
019-08-01-Roofs	29.58	0.00	5.88	0.00	23.89
0.00 23.89	3.11	6.20	0.808		
019-10-01-DCIA	29.58	0.00	7.12	0.00	22.42
0.00 22.42	14.06	29.57	0.758		
019-10-01-Pervious	29.58	6.23	0.00	35.81	0.00
0.00 0.00	0.00	0.000			
019-10-01-Roofs	29.58	0.00	5.90	0.00	23.85
0.00 23.85	5.25	10.45	0.806		

Node Depth Summary

Node	Type	Average Depth Feet	Maximum Depth Feet	Maximum HGL Feet	Time of Max Occurrence days hr:min	Reported Max Depth Feet
000-01LE_P20A002493	JUNCTION	2.11	5.26	443.06	201 09:20	5.23
000-02LE_P16A001762	JUNCTION	3.81	8.02	449.26	201 09:03	7.94
000-03LE_P09B019209	JUNCTION	1.99	6.90	453.33	201 08:24	6.66
000-04LE_P10A019206	JUNCTION	2.34	6.33	453.63	201 08:24	6.20
000-05FT_P09C001302	JUNCTION	2.23	7.42	451.15	201 09:01	7.27

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000-06FT_P03B010947	JUNCTION	1.50	10.31	463.76	201	08:58	7.64
000-07FT_R22C009535	JUNCTION	0.28	2.31	677.75	201	09:00	1.67
003-01LE_P03C011286	JUNCTION	1.16	8.35	458.45	201	09:00	8.35
003-02FP_P03D011236	JUNCTION	0.16	1.36	470.87	201	09:00	1.36
003-03FP_P03C011165	JUNCTION	0.09	1.10	468.27	201	09:00	1.10
003-05FT_P03D010664	JUNCTION	0.18	0.73	623.24	201	09:06	0.71
003-07FT_P03A010870	JUNCTION	0.22	2.16	601.39	201	09:00	2.16
006-03FP_EatonReg	JUNCTION	0.36	5.98	460.11	201	08:31	5.68
007-03FP_P09B000783	JUNCTION	0.40	6.67	460.11	201	08:59	6.59
007-04FT_P09B000789a	JUNCTION	0.52	6.29	455.03	201	08:21	6.12
009-01LE_P09B001025	JUNCTION	0.08	4.49	457.35	201	09:02	4.49
016-01LE_P16A002632Ba	JUNCTION	0.01	8.27	452.95	201	09:00	8.19
016-02FP_P08C000595	JUNCTION	0.50	4.05	476.34	201	09:00	4.04
016-03FP_P16A020804	JUNCTION	0.02	3.80	457.15	201	09:00	3.80
016-04FT_P16A001674a	JUNCTION	0.01	3.60	456.70	201	09:00	3.60
016-04LT_P16A001674	JUNCTION	0.64	6.86	457.06	201	09:00	6.85
016-06FT_P04D008125	JUNCTION	0.24	1.08	586.26	201	09:03	1.07
016-07FT_P05C008108	JUNCTION	0.21	1.21	581.53	201	09:01	1.21
017-01LE_P17B002039A	JUNCTION	0.00	1.81	453.54	201	09:00	1.81
017-04FT_P17C002116	JUNCTION	0.16	2.73	448.37	163	09:11	1.90
018-01LE_SangerReg-Sanger2	JUNCTION	0.00	1.04	454.44	201	09:00	1.04
018-04FP_P17D002127	JUNCTION	0.70	2.73	471.14	201	08:58	2.73
018-05FP_P17D002214	JUNCTION	0.09	2.16	457.00	201	09:01	2.16
018-06FP_P17D002115	JUNCTION	0.08	2.31	462.00	201	08:55	2.31
018-10FE_P17D002221	JUNCTION	0.31	1.71	448.99	201	08:49	1.71
019_SW_Connection	JUNCTION	0.01	2.72	455.90	201	08:58	2.67
019-01LE_DarstReg2	JUNCTION	0.01	3.29	456.59	201	08:57	3.01
019-03FT_P19B002463	JUNCTION	1.03	2.81	445.95	201	08:59	2.80
Bypass	JUNCTION	0.00	0.43	439.43	201	13:16	0.42
CarolineReg	JUNCTION	0.08	4.17	459.19	201	08:59	3.98
CC2	JUNCTION	4.89	7.58	442.58	201	12:35	7.38
CedarOF1	JUNCTION	0.01	3.81	456.16	201	09:00	3.80
CedarReg-Water	JUNCTION	0.47	7.05	456.70	201	09:00	7.05
CedarSewerCrossing1	JUNCTION	1.41	11.07	449.56	201	09:00	11.05
CedarSewerCrossing2	JUNCTION	1.80	9.30	447.39	201	09:00	9.28
DarstReg	JUNCTION	0.44	5.82	456.62	201	09:01	5.79
EatonSewerCrossing1	JUNCTION	0.00	1.94	446.44	201	09:00	1.89
EatonSewerCrossing2	JUNCTION	0.00	1.84	446.27	201	09:00	1.80
E-SWIRL-MH6	JUNCTION	0.70	10.24	459.64	201	08:59	10.21
E-SWIRL-MH6a	JUNCTION	0.48	5.57	454.92	201	08:13	5.50
E-SWIRL-OF	JUNCTION	0.00	3.38	449.73	201	08:59	3.31
E-SWIRL-OF2	JUNCTION	0.00	2.42	448.71	201	08:55	2.39
FayetteReg	JUNCTION	0.44	6.39	460.25	201	09:00	6.26
FayetteSewerCrossing1	JUNCTION	0.00	2.76	445.87	201	09:01	2.63
FayetteSewerCrossing2	JUNCTION	0.00	3.13	446.11	201	09:01	3.04
F-SWIRL-MH3	JUNCTION	0.65	9.92	459.82	201	09:01	9.88
F-SWIRL-MH3a	JUNCTION	0.56	6.21	456.07	201	08:15	6.13
F-SWIRL-OF	JUNCTION	0.00	3.69	450.04	201	09:00	3.62
F-SWIRL-OF2	JUNCTION	0.00	3.52	449.81	201	09:00	3.48
GreenReg	JUNCTION	0.02	2.16	462.89	201	08:46	2.16
HamiltonReg	JUNCTION	0.03	3.52	460.62	201	08:59	3.52
HarrisonReg	JUNCTION	0.08	0.22	451.44	201	09:02	0.15
Headworks	JUNCTION	5.85	6.62	440.62	201	13:00	6.62
L13B003623	JUNCTION	0.12	0.39	503.25	201	09:20	0.39
L13B003636	JUNCTION	0.15	0.41	501.91	201	09:20	0.41
LibertyReg	JUNCTION	0.17	0.29	451.64	201	09:02	0.18
LibertySewerCrossing1	JUNCTION	2.45	7.52	451.79	201	09:01	7.45
MainReg	JUNCTION	0.03	3.18	460.94	201	09:00	3.18
P02A010849	JUNCTION	0.63	12.00	468.43	201	08:58	7.06
P02A010875	JUNCTION	0.74	9.83	465.50	201	08:58	7.21
P02A010886	JUNCTION	0.67	8.30	463.78	201	08:58	7.10

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P03A010846	JUNCTION	0.20	2.48	604.08	201	09:01	2.47
P03A010885	JUNCTION	0.28	2.40	598.26	201	09:00	2.40
P03A010904	JUNCTION	0.00	0.34	588.79	201	09:00	0.34
P03A010909	JUNCTION	0.00	0.47	552.32	201	09:00	0.46
P03A010911	JUNCTION	0.20	1.77	588.53	201	09:00	1.77
P03A010917	JUNCTION	0.01	0.50	541.98	201	09:01	0.50
P03A010933	JUNCTION	0.20	1.95	571.00	201	09:00	1.95
P03A010944	JUNCTION	0.00	0.40	522.88	201	09:00	0.40
P03A010955	JUNCTION	0.15	1.49	549.47	201	09:00	1.49
P03A010957	JUNCTION	0.00	0.42	511.91	201	09:01	0.42
P03A010980	JUNCTION	0.20	1.93	531.98	201	09:00	1.93
P03A010981	JUNCTION	0.00	0.00	560.39	0	00:00	0.00
P03A010984	JUNCTION	0.84	1.88	548.74	201	09:08	1.88
P03A010990	JUNCTION	0.01	0.58	498.12	201	09:02	0.58
P03A011016	JUNCTION	0.01	0.59	494.88	201	09:02	0.59
P03A011023	JUNCTION	0.15	1.37	516.42	201	09:00	1.37
P03A011032	JUNCTION	0.01	1.08	492.82	201	09:00	1.08
P03A011069	JUNCTION	0.17	1.70	502.14	201	09:00	1.70
P03A011105	JUNCTION	0.18	1.76	495.59	201	09:00	1.76
P03B010906	JUNCTION	0.70	8.60	463.61	201	08:58	7.09
P03B010920	JUNCTION	0.57	9.18	463.65	201	08:58	7.08
P03B010943	JUNCTION	1.44	10.27	463.79	201	08:58	7.51
P03B011036	JUNCTION	1.54	9.55	462.14	201	08:58	6.82
P03B011044	JUNCTION	1.55	9.56	462.12	201	08:58	6.77
P03B011075	JUNCTION	0.01	1.02	486.39	201	09:00	1.02
P03B011076	JUNCTION	1.22	9.35	461.64	201	08:58	6.55
P03B011078	JUNCTION	1.15	9.28	461.55	201	08:58	6.53
P03B011117	JUNCTION	0.01	0.84	479.95	201	09:00	0.84
P03C011151	JUNCTION	1.14	7.72	459.34	201	08:58	6.90
P03C011166	JUNCTION	1.23	7.43	458.91	201	08:58	7.01
P03C011195	JUNCTION	1.61	7.54	458.61	201	08:59	7.34
P03C011208	JUNCTION	1.29	18.25	468.99	278	00:09	7.99
P03C011253	JUNCTION	1.56	23.93	474.63	201	08:23	6.76
P03C011258	JUNCTION	1.31	14.43	464.53	22	13:32	8.51
P03C011277	JUNCTION	2.18	7.30	457.36	201	08:59	7.25
P03C011286a	JUNCTION	0.00	2.01	450.91	201	09:00	2.00
P03D000152	JUNCTION	0.03	2.77	477.57	201	08:45	2.77
P03D000163	JUNCTION	0.02	1.81	473.10	201	08:46	1.81
P03D011153	JUNCTION	0.19	1.81	489.76	201	09:00	1.81
P03D011192	JUNCTION	0.16	1.52	483.59	201	09:00	1.52
P03D011228	JUNCTION	0.13	1.76	474.25	201	09:00	1.76
P03D011266	JUNCTION	0.00	0.35	473.95	201	09:01	0.35
P03D011290	JUNCTION	0.01	0.56	475.84	201	09:00	0.56
P03D011296	JUNCTION	1.94	6.93	456.77	201	08:59	6.83
P03D011320	JUNCTION	1.74	10.08	459.68	201	08:22	6.94
P03D011323	JUNCTION	0.01	0.71	477.95	201	09:00	0.71
P03D011328	JUNCTION	1.20	16.58	466.37	188	14:54	8.61
P03D011348	JUNCTION	0.01	0.65	479.73	201	09:00	0.65
P03D011351	JUNCTION	1.21	15.10	464.80	84	08:12	8.69
P03D011361	JUNCTION	1.66	12.33	461.51	201	08:21	6.71
P03D011367	JUNCTION	0.02	2.20	490.01	201	08:45	2.20
P03D011368	JUNCTION	1.18	48.72	498.32	163	09:28	8.79
P03D011375	JUNCTION	0.01	0.70	481.21	201	09:00	0.70
P03D011389	JUNCTION	1.22	56.97	506.37	344	14:34	8.98
P03D011401	JUNCTION	1.87	8.76	457.58	201	08:21	6.55
P03D011403	JUNCTION	0.01	1.79	482.15	201	08:45	1.79
P03D011421	JUNCTION	1.53	8.83	457.48	201	08:21	6.42
P03D011423	JUNCTION	0.11	1.22	475.70	201	08:46	1.22
P04A007282	JUNCTION	0.47	2.63	581.08	201	09:08	2.51
P04A007472	JUNCTION	0.40	2.36	579.63	201	09:10	2.30
P04A007639	JUNCTION	0.00	0.38	600.82	201	09:00	0.38
P04A007640	JUNCTION	0.01	0.51	602.04	201	09:00	0.51

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P04A007682	JUNCTION	0.39	1.87	576.91	201	09:11	1.85
P04A007769	JUNCTION	0.01	0.96	596.01	201	08:55	0.96
P04A007770	JUNCTION	0.00	0.64	596.02	201	08:54	0.55
P04A007781	JUNCTION	0.01	0.55	597.80	201	08:58	0.55
P04B011080	JUNCTION	0.00	0.00	591.58	0	00:00	0.00
P04B011089	JUNCTION	0.00	0.61	590.39	201	08:43	0.61
P04B011091	JUNCTION	0.00	0.00	584.90	0	00:00	0.00
P04B011095	JUNCTION	0.01	0.67	590.39	201	08:40	0.67
P04B011096	JUNCTION	0.01	0.83	586.81	201	08:40	0.83
P04B011099	JUNCTION	0.24	0.78	582.88	201	09:00	0.77
P04B011115	JUNCTION	0.23	0.97	576.55	201	08:57	0.97
P04B011119	JUNCTION	0.27	1.15	571.39	201	08:56	1.15
P04B011124	JUNCTION	1.15	1.93	569.44	201	08:56	1.93
P04B011139	JUNCTION	0.25	1.04	566.11	201	08:56	1.03
P04C000167	JUNCTION	0.01	1.26	507.46	201	09:00	1.26
P04C011161	JUNCTION	0.25	1.03	560.09	201	08:56	1.03
P04C011173	JUNCTION	0.24	0.98	552.02	201	08:57	0.98
P04C011176	JUNCTION	0.26	1.08	554.53	201	08:56	1.07
P04C011201	JUNCTION	0.24	0.99	547.32	201	08:57	0.99
P04C011204	JUNCTION	0.24	1.02	546.68	201	08:57	1.02
P04C011213	JUNCTION	0.29	1.21	543.29	201	08:57	1.21
P04C011224	JUNCTION	0.03	2.51	501.71	201	08:55	2.51
P04C011267	JUNCTION	0.02	2.24	500.13	201	08:56	2.24
P04C011298	JUNCTION	0.02	1.97	498.68	201	08:58	1.97
P04C011308	JUNCTION	0.39	2.20	507.17	201	09:00	2.20
P04C011321	JUNCTION	0.38	2.07	508.53	201	09:01	2.06
P04C011322	JUNCTION	0.39	2.09	508.41	201	09:01	2.08
P04C011330	JUNCTION	0.01	1.22	496.58	201	08:58	1.22
P04C011332	JUNCTION	0.36	2.02	507.54	201	09:00	2.02
P04C011338	JUNCTION	0.42	2.51	504.99	201	09:00	2.51
P04C011341	JUNCTION	0.37	1.99	510.88	201	09:00	1.99
P04C011371	JUNCTION	0.40	2.24	504.62	201	09:01	2.24
P04C011378	JUNCTION	0.37	2.21	503.40	201	09:00	2.21
P04C011404	JUNCTION	0.34	1.97	502.36	201	09:00	1.96
P04C011412	JUNCTION	0.27	1.62	499.87	201	09:00	1.62
P04C019172	JUNCTION	0.20	0.85	541.96	201	08:57	0.85
P04C019174	JUNCTION	0.21	1.08	528.94	201	08:57	1.08
P04C019175	JUNCTION	0.24	1.36	522.86	201	08:57	1.36
P04C019180	JUNCTION	0.29	1.66	515.93	201	08:59	1.66
P04C019186	JUNCTION	0.00	0.00	498.98	0	00:00	0.00
P04C019187	JUNCTION	0.00	0.00	497.73	0	00:00	0.00
P04C019189	JUNCTION	0.00	0.00	496.90	0	00:00	0.00
P04D007896	JUNCTION	0.01	0.92	594.37	201	08:58	0.91
P04D007929	JUNCTION	0.24	1.15	570.32	201	09:12	1.15
P04D007987	JUNCTION	0.01	0.62	592.54	201	08:59	0.61
P04D008030	JUNCTION	0.23	1.10	551.53	201	09:00	1.10
P04D008148	JUNCTION	0.23	1.13	533.82	201	09:00	1.13
P04D008225	JUNCTION	0.25	1.07	585.16	201	09:04	1.07
P04D008239	JUNCTION	0.36	1.95	512.47	201	09:00	1.95
P04D008278	JUNCTION	0.01	0.56	513.94	201	09:00	0.56
P04D008314	JUNCTION	0.19	0.87	583.95	201	09:04	0.87
P04D008344	JUNCTION	0.01	1.03	516.87	201	09:00	1.03
P04D008368	JUNCTION	0.18	0.80	582.11	201	09:05	0.79
P04D008404	JUNCTION	0.01	4.82	515.15	201	08:58	4.78
P04D008426	JUNCTION	0.00	6.82	514.11	201	08:59	6.76
P04D008432	JUNCTION	0.01	7.69	514.06	201	08:59	7.65
P04D008435	JUNCTION	0.01	1.03	513.02	201	09:00	1.03
P04D008438	JUNCTION	0.01	6.91	513.21	201	08:59	6.84
P04D008449	JUNCTION	0.10	0.43	578.95	201	09:05	0.43
P04D011384	JUNCTION	0.01	0.49	511.68	201	09:00	0.49
P04D011414	JUNCTION	0.01	1.22	510.19	201	09:00	1.22
P05B007812	JUNCTION	0.25	1.07	589.12	201	09:00	1.05

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P05C000168	JUNCTION	0.21	1.16	576.43	201	09:04	1.15
P05C007899	JUNCTION	0.21	0.91	587.57	201	09:02	0.90
P05C007949	JUNCTION	0.35	1.28	586.46	201	09:04	1.26
P05C007974	JUNCTION	0.22	0.96	585.97	201	09:05	0.94
P05C007977	JUNCTION	0.00	0.00	592.27	0	00:00	0.00
P05C008098	JUNCTION	0.00	0.00	587.53	0	00:00	0.00
P05C008102	JUNCTION	0.00	0.00	589.79	0	00:00	0.00
P05C008106	JUNCTION	0.42	1.93	582.62	201	09:00	1.93
P05C008109	JUNCTION	0.33	0.95	589.10	201	09:01	0.93
P05C008116	JUNCTION	0.20	0.65	588.27	201	09:05	0.64
P05C008119	JUNCTION	0.25	1.58	584.27	201	09:00	1.58
P05C008210	JUNCTION	0.23	1.30	579.75	201	09:01	1.30
P05C008219	JUNCTION	0.01	0.88	587.20	201	08:55	0.88
P05C008297	JUNCTION	0.40	1.92	578.92	201	09:02	1.91
P05C008408	JUNCTION	0.26	1.50	578.33	201	09:03	1.49
P05C008472	JUNCTION	0.00	0.00	589.83	0	00:00	0.00
P05C008511	JUNCTION	0.25	1.35	577.37	201	09:03	1.34
P05C008542	JUNCTION	0.00	0.00	588.05	0	00:00	0.00
P05D000148	JUNCTION	0.01	0.75	583.48	201	09:00	0.75
P05D008517	JUNCTION	0.00	0.00	584.59	0	00:00	0.00
P05D008519	JUNCTION	0.01	0.80	586.50	201	09:00	0.80
P05D008520	JUNCTION	0.01	0.70	585.06	201	09:00	0.70
P05D008524	JUNCTION	0.01	0.58	588.82	201	09:00	0.58
P05D020745	JUNCTION	0.01	0.88	585.80	201	09:00	0.88
P07C000585	JUNCTION	0.22	2.59	494.66	201	09:01	2.58
P07C000603	JUNCTION	0.40	2.64	494.45	201	09:00	2.63
P07C001321	JUNCTION	0.02	2.00	501.49	201	09:00	2.00
P07C001323	JUNCTION	0.02	1.51	502.30	201	09:00	1.51
P07C001326	JUNCTION	0.01	1.37	505.53	201	09:00	1.37
P07C001327	JUNCTION	0.02	1.98	501.46	201	09:00	1.98
P07C001402	JUNCTION	0.02	1.98	500.34	201	09:00	1.98
P07C001454	JUNCTION	0.02	1.79	499.58	201	09:00	1.79
P07C001479	JUNCTION	0.02	1.92	498.92	201	09:00	1.92
P07C001483	JUNCTION	0.03	2.46	497.85	201	09:01	2.46
P07C001489	JUNCTION	0.03	2.58	498.46	201	09:01	2.58
P07C001493	JUNCTION	0.03	2.60	498.99	201	09:00	2.60
P07C001499	JUNCTION	0.03	2.45	497.79	201	09:01	2.45
P07C001554	JUNCTION	0.03	2.38	497.27	201	09:02	2.38
P07C001589	JUNCTION	0.03	2.34	496.96	201	09:02	2.34
P07C001617	JUNCTION	0.02	2.29	496.68	201	09:02	2.28
P07C001626	JUNCTION	0.02	2.29	496.64	201	09:02	2.29
P07C001627	JUNCTION	0.03	2.23	495.49	201	09:02	2.22
P07C001628	JUNCTION	0.02	1.99	494.55	201	09:01	1.99
P07C020785	JUNCTION	0.02	1.52	502.11	201	09:00	1.52
P07D000579	JUNCTION	0.08	0.36	503.27	201	09:00	0.36
P07D001426	JUNCTION	0.40	1.21	562.87	201	09:25	1.21
P07D001458	JUNCTION	0.25	0.96	562.70	201	09:25	0.96
P07D001500	JUNCTION	0.30	1.07	562.26	201	09:36	1.05
P07D001518	JUNCTION	0.20	1.41	561.90	201	09:56	1.39
P07D001542	JUNCTION	0.12	13.58	573.32	201	09:37	2.03
P07D001551	JUNCTION	0.12	4.80	547.36	201	09:36	1.97
P07D001569	JUNCTION	0.12	0.57	522.36	201	09:00	0.57
P07D001572	JUNCTION	0.14	0.69	532.15	201	09:00	0.69
P07D001604	JUNCTION	0.16	0.79	508.38	201	09:00	0.79
P08A000211	JUNCTION	0.01	1.38	582.82	201	09:00	1.38
P08A000286	JUNCTION	0.01	1.42	582.31	201	09:00	1.42
P08A000391	JUNCTION	0.02	1.57	581.52	201	09:00	1.57
P08A000447	JUNCTION	0.01	1.51	581.24	201	09:00	1.51
P08A000495	JUNCTION	0.14	0.86	577.39	201	08:59	0.86
P08A000548	JUNCTION	0.10	0.64	572.99	201	08:59	0.64
P08A000557	JUNCTION	0.01	0.88	494.82	201	08:06	0.88
P08A000560	JUNCTION	0.00	0.00	495.51	0	00:00	0.00

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P08A000698	JUNCTION	0.01	1.36	580.79	201	09:00	1.36
P08A000797	JUNCTION	0.01	1.14	579.68	201	09:01	1.14
P08A000849	JUNCTION	0.23	1.45	578.96	201	09:01	1.45
P08A000895	JUNCTION	0.23	1.56	578.29	201	08:19	1.56
P08A001001	JUNCTION	1.44	3.13	578.38	201	08:21	3.13
P08B000306	JUNCTION	0.12	0.64	572.06	201	09:04	0.64
P08B000322	JUNCTION	0.28	1.54	493.55	201	09:00	1.54
P08B000372	JUNCTION	0.12	0.85	544.77	201	09:00	0.85
P08B000380	JUNCTION	0.31	1.68	492.77	201	09:00	1.68
P08B000413	JUNCTION	0.09	0.68	523.57	201	09:00	0.68
P08B000450	JUNCTION	0.29	1.61	492.11	201	09:00	1.61
P08B000453	JUNCTION	0.28	1.57	489.83	201	09:01	1.57
P08B000454	JUNCTION	0.39	2.42	488.58	201	09:00	2.42
P08B000465	JUNCTION	0.39	2.48	488.35	201	09:00	2.48
P08B000534	JUNCTION	0.37	2.80	483.55	201	09:02	2.79
P08B000547	JUNCTION	0.01	0.89	492.83	201	08:06	0.89
P08B000720	JUNCTION	0.35	2.41	487.83	201	09:00	2.41
P08B000765	JUNCTION	0.44	2.71	487.42	201	09:00	2.71
P08B000869	JUNCTION	0.38	2.38	486.45	201	09:01	2.38
P08B000870	JUNCTION	0.01	1.20	486.55	201	09:01	1.20
P08B000871	JUNCTION	0.01	0.70	487.57	201	08:18	0.70
P08B000879	JUNCTION	0.35	2.35	486.41	201	09:01	2.35
P08B000937	JUNCTION	0.01	0.83	488.32	201	08:17	0.83
P08B000938	JUNCTION	0.01	0.71	490.62	201	08:16	0.71
P08B000998	JUNCTION	0.00	0.63	492.47	201	08:15	0.63
P08B001009	JUNCTION	0.29	2.14	484.60	201	09:01	2.14
P08B001044	JUNCTION	0.52	3.19	484.37	201	09:02	3.18
P08C000584	JUNCTION	0.01	0.74	493.58	201	08:36	0.74
P08C000606	JUNCTION	0.01	1.09	494.02	201	08:18	1.09
P08C000608	JUNCTION	0.01	1.28	495.61	201	08:17	1.28
P08C000609	JUNCTION	0.01	1.39	496.52	201	08:17	1.39
P08C000634	JUNCTION	0.00	0.57	496.10	201	08:35	0.57
P08C000636	JUNCTION	0.33	2.73	473.99	201	09:00	2.73
P08C001129	JUNCTION	0.01	0.98	491.93	201	08:07	0.97
P08C001136	JUNCTION	0.41	3.06	483.20	201	09:02	3.05
P08C001181	JUNCTION	0.46	3.13	482.92	201	09:02	3.12
P08C001202	JUNCTION	0.01	0.89	490.61	201	08:08	0.89
P08C001229	JUNCTION	0.35	3.09	482.61	201	09:01	3.08
P08C001236	JUNCTION	0.01	0.86	490.18	201	08:08	0.85
P08C001262	JUNCTION	0.68	3.63	482.52	201	09:01	3.63
P08C001279	JUNCTION	0.19	1.73	487.30	201	09:00	1.73
P08C001282	JUNCTION	0.30	2.47	489.55	201	09:00	2.47
P08C001285	JUNCTION	0.67	3.60	482.49	201	09:01	3.60
P08C001290	JUNCTION	2.09	3.25	490.33	201	09:00	3.25
P08C001308	JUNCTION	0.45	3.20	481.97	201	09:01	3.19
P08C001333	JUNCTION	0.61	3.67	481.55	201	09:01	3.66
P08C001428	JUNCTION	0.48	3.32	480.54	201	09:02	3.31
P08C001433	JUNCTION	0.39	2.65	479.82	201	09:02	2.64
P08C001439	JUNCTION	0.50	4.12	479.28	201	09:00	4.12
P08C001444	JUNCTION	0.69	4.43	479.20	201	09:00	4.43
P08C001474	JUNCTION	0.59	4.30	478.99	201	09:00	4.30
P08C001513	JUNCTION	0.56	4.31	478.62	201	09:00	4.31
P08C001515	JUNCTION	0.01	0.96	489.39	201	08:10	0.96
P08C001528	JUNCTION	0.00	0.58	488.73	201	08:10	0.57
P08C001546	JUNCTION	0.49	4.30	478.06	201	09:00	4.29
P08C001568	JUNCTION	0.00	0.29	491.98	201	08:36	0.29
P08C001585	JUNCTION	0.58	4.79	477.75	201	08:59	4.78
P08C001588	JUNCTION	0.01	1.09	492.53	201	08:19	1.09
P08C001599	JUNCTION	0.00	0.00	499.84	0	00:00	0.00
P08C001618	JUNCTION	0.68	4.60	477.12	201	09:00	4.60
P08C001624	JUNCTION	0.03	2.01	493.59	201	08:19	2.01
P08C001625	JUNCTION	0.01	0.61	498.51	201	08:15	0.61

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P08D000582	JUNCTION	0.01	0.69	503.41	201	08:07	0.69
P08D000610	JUNCTION	0.01	1.41	498.43	201	08:14	1.41
P08D000612	JUNCTION	0.01	0.85	500.21	201	08:58	0.84
P08D000613	JUNCTION	0.01	0.77	502.05	201	08:07	0.77
P08D001122	JUNCTION	0.11	0.67	561.53	201	08:59	0.67
P08D001160	JUNCTION	0.10	0.60	546.21	201	09:00	0.60
P08D001253	JUNCTION	0.28	1.11	508.02	201	09:00	1.11
P08D001254	JUNCTION	0.12	0.75	507.74	201	09:00	0.75
P08D001257	JUNCTION	0.02	1.57	507.74	201	09:00	1.57
P08D001291	JUNCTION	0.54	3.18	492.40	201	09:00	3.18
P08D001292	JUNCTION	0.16	1.02	498.93	201	09:00	1.02
P08D001293	JUNCTION	0.23	1.87	494.90	201	09:00	1.87
P08D001294	JUNCTION	0.31	2.12	496.77	201	09:00	2.12
P08D001295	JUNCTION	0.24	1.58	497.95	201	09:00	1.58
P08D001318_019-10FT	JUNCTION	0.02	1.54	506.17	201	09:00	1.54
P08D001320	JUNCTION	0.00	0.49	494.90	201	09:00	0.49
P08D001366	JUNCTION	0.00	0.39	495.56	201	08:18	0.39
P08D001447	JUNCTION	0.00	0.42	509.05	201	08:55	0.42
P08D001448	JUNCTION	0.00	0.47	507.16	201	08:56	0.47
P08D001451	JUNCTION	0.00	0.35	505.54	201	08:57	0.35
P08D001453	JUNCTION	0.00	0.29	500.94	201	08:58	0.29
P08D001566	JUNCTION	0.00	0.21	504.12	201	08:06	0.18
P08D001602	JUNCTION	0.01	0.84	504.10	201	08:07	0.83
P09A000182	JUNCTION	0.23	1.21	499.38	201	09:04	1.20
P09A000186	JUNCTION	0.12	0.72	505.96	201	09:00	0.72
P09A000187	JUNCTION	0.01	0.62	502.24	201	09:03	0.62
P09A000207	JUNCTION	0.17	1.01	498.99	201	09:01	1.01
P09A000220	JUNCTION	0.30	1.33	498.67	201	09:01	1.32
P09A000255	JUNCTION	0.27	1.51	494.81	201	09:00	1.51
P09A000256	JUNCTION	0.10	0.54	495.52	201	09:03	0.54
P09A000257	JUNCTION	0.20	1.09	497.63	201	09:02	1.08
P09A000523	JUNCTION	0.02	0.02	488.22	0	00:31	0.02
P09A000541	JUNCTION	0.03	0.03	486.83	0	00:02	0.03
P09A001117	JUNCTION	0.05	0.05	490.30	10	15:03	0.05
P09B000196	JUNCTION	0.26	1.50	497.07	201	09:00	1.50
P09B000239	JUNCTION	0.01	0.56	492.08	201	08:50	0.56
P09B000301	JUNCTION	0.02	1.66	502.43	201	09:00	1.66
P09B000334	JUNCTION	0.28	1.62	487.97	201	09:01	1.62
P09B000352	JUNCTION	0.27	1.58	473.44	201	09:01	1.58
P09B000373	JUNCTION	0.24	1.45	470.77	201	09:01	1.45
P09B000411	JUNCTION	0.02	1.65	496.69	201	09:00	1.65
P09B000449	JUNCTION	0.24	1.49	478.52	201	09:00	1.49
P09B000471	JUNCTION	0.37	2.48	461.19	201	09:00	2.30
P09B000491	JUNCTION	0.00	0.00	481.50	0	00:00	0.00
P09B000504	JUNCTION	2.44	7.63	452.10	201	09:02	7.54
P09B000505A	JUNCTION	0.00	0.00	452.73	0	00:00	0.00
P09B000505B	JUNCTION	0.00	0.00	451.31	0	00:00	0.00
P09B000505C	JUNCTION	0.00	0.00	451.06	0	00:00	0.00
P09B000505D	JUNCTION	0.00	0.00	450.34	0	00:00	0.00
P09B000505E	JUNCTION	0.00	0.00	445.77	0	00:00	0.00
P09B000505F	JUNCTION	0.00	0.00	442.61	0	00:00	0.00
P09B000506	JUNCTION	0.05	0.05	472.20	0	00:04	0.05
P09B000507	JUNCTION	0.13	0.29	451.63	201	09:02	0.17
P09B000515	JUNCTION	2.41	7.54	451.89	201	09:02	7.43
P09B000573	JUNCTION	0.05	0.05	458.04	0	00:43	0.05
P09B000702	JUNCTION	0.39	6.04	460.30	26	15:31	5.92
P09B000707A	JUNCTION	0.00	0.00	455.83	0	00:00	0.00
P09B000731	JUNCTION	0.01	1.38	490.02	201	09:00	1.38
P09B000734	JUNCTION	0.00	0.00	480.94	0	00:00	0.00
P09B000749	JUNCTION	0.00	0.35	453.65	201	08:22	0.34
P09B000749a	JUNCTION	0.01	2.20	454.00	201	08:22	2.13
P09B000752	JUNCTION	0.01	2.82	453.99	201	08:22	2.78

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P09B000780A	JUNCTION	0.00	0.00	455.10	0	00:00	0.00
P09B000780B	JUNCTION	0.00	0.00	452.68	0	00:00	0.00
P09B000780C	JUNCTION	0.00	0.07	446.76	201	09:01	0.06
P09B000782	JUNCTION	0.01	0.88	474.02	201	09:00	0.88
P09B000789	JUNCTION	0.56	5.74	455.26	278	05:34	5.49
P09B000801	JUNCTION	0.67	5.26	454.26	201	08:21	5.01
P09B000804	JUNCTION	0.01	1.27	480.75	201	09:00	1.27
P09B000815A	JUNCTION	0.00	2.27	447.85	201	08:59	2.25
P09B000815B	JUNCTION	0.00	1.89	447.11	201	09:00	1.86
P09B000815D	JUNCTION	0.00	2.21	443.11	201	09:00	2.11
P09B000826B	JUNCTION	0.00	0.00	465.10	0	00:00	0.00
P09B000826C	JUNCTION	0.00	0.00	454.10	0	00:00	0.00
P09B000826D	JUNCTION	0.00	0.00	447.45	0	00:00	0.00
P09B000826E	JUNCTION	0.00	0.00	457.92	0	00:00	0.00
P09B000826G	JUNCTION	0.00	0.00	434.50	0	00:00	0.00
P09B000831	JUNCTION	0.01	1.50	477.76	201	09:00	1.50
P09B000866	JUNCTION	0.02	1.70	471.00	201	09:00	1.70
P09B000874	JUNCTION	1.74	6.69	453.42	201	08:24	6.41
P09B000898	JUNCTION	2.24	7.05	453.33	201	08:24	6.76
P09B000901	JUNCTION	0.05	0.31	475.02	201	09:00	0.31
P09B000904A	JUNCTION	0.00	0.00	461.85	0	00:00	0.00
P09B000910	JUNCTION	0.00	0.00	459.17	0	00:00	0.00
P09B000910B	JUNCTION	0.00	0.00	451.77	0	00:00	0.00
P09B000910C	JUNCTION	0.00	0.00	444.91	0	00:00	0.00
P09B000910H	JUNCTION	0.00	0.00	440.75	0	00:00	0.00
P09B000964	JUNCTION	0.00	0.00	453.09	0	00:00	0.00
P09B000983	JUNCTION	0.07	0.07	482.55	0	00:01	0.07
P09B001008	JUNCTION	0.05	0.33	459.10	201	09:01	0.33
P09B001025A	JUNCTION	0.00	0.21	453.91	201	09:02	0.21
P09B001025B	JUNCTION	0.00	0.39	449.49	201	09:04	0.39
P09B001025C	JUNCTION	0.00	0.22	442.51	201	09:06	0.22
P09B001025D	JUNCTION	0.00	0.53	440.32	201	09:07	0.52
P09B001025E	JUNCTION	0.00	0.27	437.93	201	09:07	0.26
P09B001029	JUNCTION	2.96	7.92	452.60	201	09:01	7.82
P09B001031	JUNCTION	0.06	4.85	457.37	201	09:01	4.83
P09B001039	JUNCTION	2.98	7.89	452.53	201	08:25	7.80
P09B001051	JUNCTION	0.07	0.07	467.27	0	00:03	0.07
P09B001078a	JUNCTION	0.11	15.15	464.25	201	10:09	8.21
P09B001078b	JUNCTION	0.09	5.83	454.93	201	10:12	2.72
P09B001083	JUNCTION	0.05	0.05	485.20	0	00:02	0.05
P09B001098	JUNCTION	0.08	0.08	456.80	0	00:40	0.08
P09B001118	JUNCTION	2.41	7.59	452.01	201	09:01	7.49
P09B019193	JUNCTION	0.04	3.96	460.38	201	09:00	3.96
P09B019195	JUNCTION	0.00	1.01	460.37	201	08:56	0.94
P09B019196	JUNCTION	0.32	1.51	460.35	201	09:00	1.50
P09B019197	JUNCTION	0.27	2.17	460.35	201	09:00	2.17
P09B019198	JUNCTION	0.01	1.61	460.83	201	08:59	1.61
P09B019199	JUNCTION	0.37	2.61	460.93	201	08:56	2.40
P09B019200	JUNCTION	1.42	5.66	453.92	201	08:24	5.34
P09B019202a	JUNCTION	0.21	5.16	453.43	201	08:24	4.89
P09B019203	JUNCTION	1.56	6.45	453.46	201	08:24	6.16
P09B019207	JUNCTION	2.03	6.95	453.38	201	08:24	6.67
P09B019208	JUNCTION	2.23	7.14	453.36	201	08:24	6.88
P09B019210	JUNCTION	1.15	6.70	454.02	201	08:24	6.01
P09B019212	JUNCTION	1.53	6.74	453.67	201	08:24	6.21
P09B019214	JUNCTION	0.00	3.02	449.18	201	09:00	3.00
P09B019216	JUNCTION	0.00	2.49	448.01	201	09:00	2.44
P09B019217	JUNCTION	0.00	2.70	446.80	201	09:01	2.62
P09B019219	JUNCTION	0.00	1.23	446.78	201	08:55	1.21
P09B019222	JUNCTION	0.00	2.61	442.78	201	08:54	2.60
P09B019727	JUNCTION	0.70	7.07	454.88	201	08:21	6.83
P09B020765	JUNCTION	0.10	4.71	453.42	201	10:09	3.11

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P09B020767	JUNCTION	0.10	4.05	452.53	201	10:09	3.31
P09B020768	JUNCTION	0.10	3.68	451.87	201	10:09	3.57
P09B020772	JUNCTION	2.43	7.53	451.81	201	09:01	7.40
P09B020773	JUNCTION	0.07	3.83	451.81	201	09:01	3.75
P09B020882	JUNCTION	0.00	0.37	449.08	201	09:04	0.37
P09B020883	JUNCTION	0.00	0.39	448.87	201	09:04	0.38
P09B020884	JUNCTION	0.00	0.37	448.60	201	09:05	0.36
P09B020886	JUNCTION	0.00	0.20	448.20	201	09:05	0.19
P09C001119	JUNCTION	1.99	7.34	451.60	201	09:02	7.26
P09C001146A	JUNCTION	0.00	0.00	452.52	0	00:00	0.00
P09C001146B	JUNCTION	0.00	0.00	452.48	0	00:00	0.00
P09C001146C	JUNCTION	0.00	0.00	449.44	0	00:00	0.00
P09C001146D	JUNCTION	0.00	0.00	448.75	0	00:00	0.00
P09C001154	JUNCTION	0.07	0.60	451.43	201	09:01	0.53
P09C001185	JUNCTION	2.04	7.38	451.47	201	09:02	7.29
P09C001215	JUNCTION	0.08	0.09	452.70	0	00:00	0.08
P09C001239	JUNCTION	0.07	2.13	451.30	201	09:01	2.02
P09C001241	JUNCTION	0.07	0.88	451.27	201	09:02	0.81
P09C001247	JUNCTION	2.12	7.39	451.31	201	09:01	7.30
P09C001280	JUNCTION	0.00	0.00	452.50	0	00:00	0.00
P09C001283	JUNCTION	0.03	0.05	451.11	201	09:02	0.03
P09C001305	JUNCTION	0.00	0.00	446.66	0	00:00	0.00
P09C001315	JUNCTION	2.17	7.41	451.12	201	09:02	7.26
P09C001343	JUNCTION	2.04	7.40	451.00	201	09:02	7.25
P09C001399	JUNCTION	2.02	7.41	450.92	201	09:03	7.30
P09C001461	JUNCTION	2.32	7.68	450.81	201	09:02	7.59
P09C021287	JUNCTION	0.04	4.80	453.38	163	09:52	2.43
P09D000577	JUNCTION	0.03	0.03	484.56	0	00:26	0.03
P09D000589	JUNCTION	0.02	2.15	460.21	201	08:58	2.15
P09D000620	JUNCTION	2.73	7.52	450.00	201	09:02	7.40
P09D000622	JUNCTION	0.02	2.46	457.54	201	09:00	2.46
P09D001120	JUNCTION	0.04	0.04	482.63	0	00:06	0.04
P09D001155	JUNCTION	0.02	0.02	481.39	0	00:09	0.02
P09D001193	JUNCTION	0.02	0.02	470.28	0	00:32	0.02
P09D001244	JUNCTION	0.03	0.03	459.55	0	00:33	0.03
P09D001270	JUNCTION	0.00	0.00	499.26	0	00:00	0.00
P09D001278A	JUNCTION	0.00	0.00	453.13	0	00:00	0.00
P09D001300	JUNCTION	0.07	0.90	458.29	201	09:01	0.89
P09D001316	JUNCTION	0.00	0.65	492.52	201	08:06	0.62
P09D001322	JUNCTION	0.01	1.03	492.51	201	08:06	1.01
P09D001324	JUNCTION	0.00	0.94	492.51	201	08:06	0.92
P09D001335	JUNCTION	0.01	1.36	492.05	201	08:07	1.35
P09D001372	JUNCTION	0.04	0.66	456.55	201	09:01	0.66
P09D001383	JUNCTION	0.01	1.27	491.62	201	08:08	1.26
P09D001389AA	JUNCTION	0.00	0.00	452.83	0	00:00	0.00
P09D001389B	JUNCTION	0.00	0.00	449.50	0	00:00	0.00
P09D001396	JUNCTION	0.06	4.54	453.66	201	08:24	2.86
P09D001421	JUNCTION	0.01	0.86	490.77	201	08:08	0.86
P09D001462	JUNCTION	1.25	2.29	490.54	201	08:08	2.29
P09D001466	JUNCTION	1.25	2.28	490.53	201	08:08	2.27
P09D001573	JUNCTION	0.00	0.83	465.04	201	08:22	0.83
P09D001581	JUNCTION	2.46	7.86	450.73	201	08:25	7.52
P09D001620	JUNCTION	0.01	1.68	465.04	201	08:58	1.68
P10A000251	JUNCTION	0.02	1.93	465.34	201	08:46	1.93
P10A000278A	JUNCTION	0.00	0.00	460.90	0	00:00	0.00
P10A000278B	JUNCTION	0.00	0.00	452.16	0	00:00	0.00
P10A000278C	JUNCTION	0.00	0.00	446.54	0	00:00	0.00
P10A000278E	JUNCTION	0.00	0.00	444.49	0	00:00	0.00
P10A000342	JUNCTION	1.73	7.63	455.86	201	08:21	6.32
P10A000344	JUNCTION	0.02	2.10	461.78	201	08:47	2.10
P10A000351	JUNCTION	0.02	2.14	461.84	201	08:47	2.14
P10A000354	JUNCTION	0.02	2.13	460.24	201	09:00	2.12

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P10A000356	JUNCTION	0.02	1.93	460.98	201	09:00	1.93
P10A000358	JUNCTION	0.02	2.10	461.59	201	08:47	2.10
P10A000368	JUNCTION	1.71	7.66	455.84	201	08:21	6.30
P10A000412	JUNCTION	1.75	7.57	455.67	201	08:21	6.29
P10A000452	JUNCTION	1.82	7.82	455.73	201	08:21	6.32
P10A000693	JUNCTION	0.03	6.16	462.13	201	08:11	3.89
P10A000750	JUNCTION	2.02	6.76	454.42	201	08:21	6.29
P10A000809	JUNCTION	1.28	92.69	541.35	344	14:35	9.56
P10A000843	JUNCTION	2.32	6.32	453.64	201	08:24	6.23
P10A019204	JUNCTION	2.13	6.46	453.55	201	08:24	6.23
P10A019215	JUNCTION	0.00	2.89	445.45	201	09:01	2.83
P10A019221	JUNCTION	0.00	2.78	444.35	201	09:00	2.77
P16A000688	JUNCTION	0.05	4.68	457.07	201	09:00	4.67
P16A001638	JUNCTION	2.85	7.45	449.74	201	09:02	7.33
P16A001641	JUNCTION	0.30	2.53	459.98	201	09:00	2.53
P16A001669	JUNCTION	0.78	7.40	456.94	201	09:00	7.35
P16A001675	JUNCTION	0.53	6.91	457.05	201	09:00	6.91
P16A001677	JUNCTION	0.65	7.27	456.74	201	09:01	7.22
P16A001695	JUNCTION	2.92	7.40	449.59	201	09:03	7.30
P16A001696	JUNCTION	0.64	7.75	456.60	201	09:00	7.71
P16A001733	JUNCTION	0.89	8.78	456.31	201	09:00	8.72
P16A001733a	JUNCTION	0.59	2.63	450.16	163	09:38	2.46
P16A001750	JUNCTION	3.00	7.32	449.38	201	09:03	7.20
P16A001798	JUNCTION	3.23	7.77	448.90	201	09:03	7.69
P16A001910	JUNCTION	3.22	7.60	448.48	201	09:03	7.52
P16A002632B	JUNCTION	0.01	7.50	453.50	201	09:00	7.46
P17A001783	JUNCTION	0.01	0.90	507.93	201	09:00	0.90
P17A001824	JUNCTION	0.01	1.67	507.46	201	08:58	1.67
P17A001889	JUNCTION	0.38	2.17	507.05	201	09:00	2.17
P17A001940	JUNCTION	0.01	0.88	494.04	201	09:00	0.88
P17A001956	JUNCTION	0.19	1.49	505.82	201	08:57	1.49
P17A001973	JUNCTION	0.01	1.06	491.47	201	09:00	1.06
P17A001991	JUNCTION	0.22	2.06	501.37	201	09:00	2.06
P17A001997	JUNCTION	0.01	0.98	490.17	201	09:00	0.98
P17A002037	JUNCTION	0.01	0.97	487.68	201	09:00	0.97
P17A002050	JUNCTION	0.22	1.93	498.22	201	09:00	1.93
P17B000669	JUNCTION	0.31	2.54	466.82	201	08:59	2.54
P17B000678	JUNCTION	0.00	0.43	495.49	201	09:00	0.43
P17B000680	JUNCTION	0.00	0.43	494.39	201	09:00	0.43
P17B000682	JUNCTION	0.00	0.41	493.18	201	09:00	0.41
P17B000683	JUNCTION	0.00	6.45	495.76	201	08:14	2.89
P17B000684	JUNCTION	0.00	2.40	493.56	201	08:36	1.26
P17B001699	JUNCTION	0.01	3.58	491.34	201	08:08	2.76
P17B001705	JUNCTION	0.01	2.09	488.80	201	08:56	2.09
P17B001720	JUNCTION	0.01	2.41	489.55	201	08:08	2.32
P17B001748	JUNCTION	0.03	2.36	488.72	201	08:56	2.36
P17B001758	JUNCTION	0.01	1.51	486.65	201	08:58	1.51
P17B001791	JUNCTION	0.01	1.26	485.05	201	08:57	1.26
P17B001830	JUNCTION	0.01	1.35	483.26	201	08:57	1.35
P17B001863	JUNCTION	2.00	3.28	465.27	201	09:00	3.28
P17B001882	JUNCTION	0.01	1.20	481.58	201	08:58	1.20
P17B001906	JUNCTION	0.01	1.29	479.55	201	08:58	1.29
P17B001907	JUNCTION	0.01	0.83	464.21	201	09:00	0.83
P17B001919	JUNCTION	0.01	0.78	477.40	201	08:58	0.78
P17B001934	JUNCTION	0.02	2.09	462.80	201	08:58	2.09
P17B001953	JUNCTION	2.83	7.49	448.24	201	09:03	7.42
P17B001958	JUNCTION	0.01	0.71	475.82	201	09:00	0.71
P17B001964	JUNCTION	0.01	0.61	471.26	201	09:00	0.61
P17B001986	JUNCTION	0.01	0.84	457.43	201	09:00	0.84
P17B001990	JUNCTION	0.09	1.90	461.40	201	09:00	1.90
P17B002018	JUNCTION	2.55	7.39	447.91	201	09:03	7.32
P17B002034	JUNCTION	0.09	2.04	456.06	201	09:00	2.04

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P17B002039B	JUNCTION	0.00	2.13	452.91	201	09:00	2.13
P17B002039D	JUNCTION	0.00	2.13	448.94	201	09:01	2.13
P17B002039E	JUNCTION	0.00	2.17	446.44	201	09:01	2.17
P17B002041	JUNCTION	0.16	4.74	455.44	201	09:00	4.71
P17C002064	JUNCTION	0.17	5.74	455.04	163	09:07	4.14
P17C002075	JUNCTION	0.22	5.13	453.62	163	09:07	3.85
P17C002084	JUNCTION	0.16	4.05	452.15	163	09:12	2.73
P17C002088	JUNCTION	2.27	7.36	447.65	201	09:03	7.28
P17C002117	JUNCTION	0.00	2.25	444.31	201	09:01	2.25
P17C002118	JUNCTION	3.57	6.63	445.33	201	09:05	6.58
P17C002118a	JUNCTION	3.70	8.86	447.56	201	09:03	8.78
P17C002123	JUNCTION	2.07	5.15	445.28	201	09:06	5.10
P17C002145	JUNCTION	2.05	5.14	445.22	201	09:06	5.10
P17C002184	JUNCTION	1.91	5.15	444.99	201	09:07	5.12
P17C002222	JUNCTION	1.84	5.20	444.80	201	09:08	5.15
P17D002067	JUNCTION	0.01	1.14	484.48	201	09:00	1.14
P17D002086	JUNCTION	0.01	0.82	483.04	201	09:00	0.82
P17D002092	JUNCTION	0.12	1.18	489.24	201	08:58	1.18
P17D002097	JUNCTION	0.16	1.48	493.97	201	08:58	1.48
P17D002108	JUNCTION	0.14	1.42	480.99	201	08:58	1.42
P17D002119	JUNCTION	0.16	1.78	475.32	201	08:58	1.78
P17D002143	JUNCTION	0.13	2.28	459.94	201	09:00	2.28
P17D002148	JUNCTION	0.13	1.39	465.38	201	08:59	1.39
P17D002158	JUNCTION	0.01	3.54	451.20	201	09:00	3.54
P17D002158A	JUNCTION	0.01	2.67	449.90	201	09:00	2.67
P17D002158B	JUNCTION	0.01	2.62	445.28	201	09:00	2.62
P17D002158C	JUNCTION	0.01	3.34	439.72	201	09:01	3.34
P17D002182	JUNCTION	0.47	9.40	458.35	164	00:47	4.92
P17D002186	JUNCTION	0.10	3.48	456.77	201	09:00	3.48
P17D002212	JUNCTION	0.36	2.67	451.13	201	08:55	2.65
P17D002217	JUNCTION	0.31	1.96	449.85	201	08:57	1.96
P17D002240	JUNCTION	0.08	1.75	457.54	201	09:00	1.75
P17D002248	JUNCTION	0.31	1.58	447.12	201	08:49	1.57
P17D002255	JUNCTION	0.07	1.44	459.26	201	09:00	1.44
P17D002270	JUNCTION	1.70	5.61	445.01	201	09:07	5.29
P17D002270a	JUNCTION	3.72	7.03	438.94	201	09:01	7.03
P17D002270b	JUNCTION	3.72	6.87	438.78	201	09:01	6.87
P17D002274	JUNCTION	2.24	6.53	445.46	201	09:07	6.38
P17D002284	JUNCTION	0.01	1.34	460.14	201	08:56	1.34
P17D002312	JUNCTION	2.10	5.39	444.24	201	09:10	5.22
P17D002365	JUNCTION	2.04	5.25	444.01	201	09:10	5.14
P17D002411	JUNCTION	1.96	5.17	443.84	201	09:10	5.03
P18A001822	JUNCTION	0.13	0.24	500.04	201	09:05	0.23
P18A001827	JUNCTION	0.38	2.65	490.24	201	09:00	2.65
P18A001873	JUNCTION	0.14	0.51	499.73	201	09:00	0.51
P18A001887_019-07FT	JUNCTION	1.37	1.68	499.37	201	09:00	1.68
P18A001915	JUNCTION	0.53	1.05	499.34	201	09:00	1.05
P18A001969	JUNCTION	0.14	0.60	497.86	201	09:00	0.60
P18A001992	JUNCTION	0.14	0.43	500.27	201	09:25	0.43
P18A001993	JUNCTION	0.14	0.43	499.66	201	09:26	0.43
P18A001994	JUNCTION	0.25	0.87	499.49	201	09:05	0.86
P18A001995	JUNCTION	0.21	1.10	496.49	201	09:00	1.10
P18A001996	JUNCTION	0.27	0.85	499.01	201	09:05	0.84
P18A002000	JUNCTION	0.18	0.91	493.06	201	09:00	0.91
P18A002006	JUNCTION	0.39	2.62	486.41	201	09:01	2.62
P18B000673	JUNCTION	0.41	2.51	493.62	201	09:01	2.50
P18B001651	JUNCTION	0.36	2.35	493.14	201	09:01	2.34
P18B001729	JUNCTION	0.36	2.35	492.08	201	09:02	2.34
P18B001767	JUNCTION	0.36	2.38	491.07	201	09:03	2.36
P18C002310	JUNCTION	0.01	0.90	461.04	201	09:00	0.90
P18C002353	JUNCTION	0.01	0.98	461.57	201	08:25	0.98
P18C002392	JUNCTION	0.30	2.42	473.31	201	08:59	2.39

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P18C002393	JUNCTION	0.40	3.15	476.04	201	08:59	3.06
P18C002395	JUNCTION	0.30	2.40	468.59	201	08:59	2.39
P18C002396	JUNCTION	0.39	3.45	477.64	201	08:59	3.25
P18C002397	JUNCTION	0.28	2.25	464.44	201	09:00	2.25
P18C002410	JUNCTION	0.45	4.83	461.12	201	09:00	4.78
P18D002169	JUNCTION	0.43	3.00	483.19	201	09:00	3.00
P18D002313	JUNCTION	0.39	3.03	479.60	201	08:58	2.96
P18D002388	JUNCTION	0.43	3.80	479.40	201	09:00	3.78
P18D002394	JUNCTION	0.31	3.10	478.69	201	08:59	2.36
P18D002408	JUNCTION	0.06	0.79	491.38	201	09:00	0.79
P18D002409	JUNCTION	0.04	0.57	482.36	201	09:00	0.57
P19A001837	JUNCTION	0.00	0.52	484.51	201	08:05	0.51
P19A002497	JUNCTION	0.01	1.12	470.31	201	08:05	1.11
P19B001847	JUNCTION	0.41	5.26	455.65	201	08:57	5.14
P19B002413	JUNCTION	0.32	2.64	462.43	201	09:00	2.63
P19B002414	JUNCTION	0.01	0.61	462.45	201	08:56	0.61
P19B002415	JUNCTION	0.32	2.78	459.07	201	09:00	2.56
P19B002431	JUNCTION	0.01	1.27	464.96	201	08:14	1.27
P19B002435	JUNCTION	0.01	1.01	465.00	201	08:54	1.01
P19B002440	JUNCTION	0.63	4.81	451.92	201	09:01	4.67
P19B002440a	JUNCTION	0.41	2.74	449.85	201	09:00	2.72
P19B002444	JUNCTION	0.02	5.47	456.04	201	08:59	5.44
P19B002445	JUNCTION	0.01	3.52	453.82	201	08:59	3.51
P19B002451	JUNCTION	0.01	1.17	466.06	201	08:52	1.17
P19B002464	JUNCTION	0.01	4.85	450.34	201	08:59	4.85
P19B002465	JUNCTION	0.01	1.11	467.76	201	08:52	1.11
P19B002467	JUNCTION	0.01	4.65	449.88	201	09:00	4.65
P19B002469	JUNCTION	0.02	4.63	449.53	201	09:00	4.63
P19B002473	JUNCTION	0.66	2.51	444.00	201	09:19	2.50
P19B002474	JUNCTION	0.66	2.46	443.71	201	09:19	2.46
P20A002417	JUNCTION	1.98	5.12	443.68	201	09:18	5.11
P20A002439	JUNCTION	1.93	5.11	443.34	201	09:19	5.10
P20A002448	JUNCTION	1.96	5.14	443.27	201	09:19	5.12
P20A002450	JUNCTION	1.96	5.14	443.26	201	09:19	5.12
P20A002461	JUNCTION	1.98	5.15	443.18	201	09:16	5.13
P20A002466	JUNCTION	2.10	5.27	443.17	201	09:17	5.25
P20A002471	JUNCTION	0.05	4.99	448.49	201	09:01	4.98
P20A002471A	JUNCTION	0.02	4.94	448.04	201	09:01	4.93
P20A002475	JUNCTION	0.67	2.44	443.46	201	09:18	2.43
P20A002476	JUNCTION	0.41	2.42	443.20	201	09:17	2.40
P20A002500	JUNCTION	0.00	0.25	438.22	201	13:16	0.25
P20A002502	JUNCTION	0.00	0.38	436.38	201	13:16	0.37
PL9	JUNCTION	2.06	5.22	443.12	201	09:20	5.20
R09B019188	JUNCTION	0.23	1.36	491.53	201	09:01	1.36
R09B019191	JUNCTION	0.01	0.63	472.32	201	08:50	0.63
R26A009631	JUNCTION	0.15	0.86	659.55	201	09:11	0.86
R26A009636	JUNCTION	0.40	3.86	656.80	201	09:11	3.80
R26A009639	JUNCTION	0.24	3.99	656.23	201	09:00	3.71
R26A009666	JUNCTION	0.26	2.61	653.06	201	09:12	2.54
R26A009687	JUNCTION	0.18	0.97	650.37	201	09:12	0.97
R26A009710	JUNCTION	0.16	0.83	647.29	201	09:12	0.83
R26A009719	JUNCTION	0.20	1.21	641.93	201	09:16	1.20
R26B009601	JUNCTION	0.01	0.13	465.67	201	10:05	0.13
R26B009649	JUNCTION	0.01	0.15	465.04	201	10:05	0.15
R26B009686	JUNCTION	0.01	0.19	463.75	201	10:05	0.19
R26B009722	JUNCTION	0.01	0.27	462.25	201	10:05	0.27
R26B009745	JUNCTION	0.02	0.35	461.77	201	10:05	0.35
R26B009784	JUNCTION	0.01	0.30	461.34	201	10:05	0.30
R26B009829	JUNCTION	0.04	0.58	460.83	201	10:05	0.58
R26C0010000	JUNCTION	0.02	0.47	459.99	201	10:05	0.47
R26C009890	JUNCTION	0.02	0.42	460.67	201	10:05	0.42
R26C009940	JUNCTION	0.02	0.45	460.34	201	10:05	0.45

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R26C010039	JUNCTION	0.02	0.48	459.63	201	10:05	0.48
R26C010072	JUNCTION	0.03	0.50	459.31	201	10:10	0.50
R26C010109	JUNCTION	0.02	0.50	458.91	201	10:00	0.50
R26C010147	JUNCTION	0.30	0.54	458.34	201	09:45	0.54
R26C010149	JUNCTION	0.00	0.00	457.93	0	00:00	0.00
R26C010152	JUNCTION	30.10	110.07	568.00	0	00:12	52.04
R26C010154	JUNCTION	0.30	0.50	458.47	201	10:02	0.50
R26D010137	JUNCTION	0.21	4.88	609.55	201	09:28	4.28
R26D010148	JUNCTION	0.18	0.95	601.06	201	10:11	0.94
R26D010175	JUNCTION	0.20	3.35	575.52	201	10:12	3.34
R26D010186	JUNCTION	0.00	0.50	570.70	201	10:12	0.49
R26D010219	JUNCTION	0.00	0.59	555.86	201	10:12	0.58
R26D010220	JUNCTION	0.23	10.90	564.78	201	09:09	10.77
R27B009543	JUNCTION	0.22	1.34	676.69	201	09:10	1.33
R27B009549	JUNCTION	0.19	1.10	674.78	201	09:10	1.10
R27B009572	JUNCTION	0.23	4.75	675.23	201	09:08	1.91
R27B009598	JUNCTION	0.19	1.00	668.89	201	09:10	1.00
R27B009613	JUNCTION	0.22	1.87	664.55	201	09:08	1.80
R27B009617	JUNCTION	0.23	1.31	661.52	201	09:10	1.30
R27B009743	JUNCTION	0.23	8.10	644.67	201	09:12	2.25
R27B009779	JUNCTION	0.18	0.95	633.92	201	09:17	0.95
R27B009813	JUNCTION	0.19	1.00	627.22	201	09:17	1.00
R27B009820	JUNCTION	0.19	1.00	624.27	201	09:17	1.00
R27C009857	JUNCTION	0.15	0.76	620.66	201	09:17	0.76
R27C009862	JUNCTION	0.28	1.64	618.06	201	09:18	1.63
R27C009909	JUNCTION	0.28	1.63	617.37	201	09:20	1.62
R27C009928	JUNCTION	0.28	1.63	616.75	201	09:21	1.62
R27C009947	JUNCTION	0.67	3.44	665.35	201	10:40	3.44
R27C009948	JUNCTION	0.18	0.90	666.51	201	10:55	0.89
R27C009949	JUNCTION	0.29	2.30	664.51	201	10:45	2.30
R27C009953	JUNCTION	0.33	1.82	663.31	201	10:45	1.82
R27C009955	JUNCTION	0.00	0.00	681.03	0	00:00	0.00
R27C009956	JUNCTION	0.18	0.48	661.25	201	10:46	0.48
R27C009957	JUNCTION	0.15	0.93	655.21	201	10:47	0.93
R27C009957b	JUNCTION	0.11	0.49	632.29	201	10:47	0.49
R27C009960	JUNCTION	0.28	1.61	616.24	201	09:21	1.60
R27C009996	JUNCTION	0.30	1.33	614.94	201	09:26	1.32
R27C010014	JUNCTION	0.15	0.80	614.09	201	10:10	0.79
R27C010016	JUNCTION	0.38	1.96	613.96	201	10:10	1.95
R27C010040	JUNCTION	0.40	1.79	613.36	201	10:10	1.78
R27C010083	JUNCTION	0.24	1.08	611.74	201	10:11	1.08
R27D009959	JUNCTION	0.30	3.83	669.78	201	09:50	2.11
R27D009961	JUNCTION	0.25	1.38	667.04	201	10:20	1.19
R33A006630	JUNCTION	0.00	0.00	596.17	0	00:00	0.00
R33B010423	JUNCTION	0.00	0.19	616.82	201	09:00	0.19
R33B010443	JUNCTION	0.01	0.56	611.95	201	09:00	0.56
R33B010450	JUNCTION	0.00	0.19	613.08	201	09:00	0.19
R33B010472	JUNCTION	0.00	0.15	611.20	201	09:00	0.15
R33B010479	JUNCTION	0.00	0.46	608.41	201	09:00	0.46
R33B010482	JUNCTION	0.01	0.87	611.71	201	09:00	0.87
R33B010483	JUNCTION	0.17	0.73	606.63	201	10:03	0.72
R33B010484	JUNCTION	0.16	0.66	609.24	201	10:02	0.66
R33B010485	JUNCTION	0.16	0.65	612.06	201	10:03	0.65
R33B010507	JUNCTION	0.17	0.73	603.48	201	10:03	0.73
R33B010508	JUNCTION	0.17	0.72	603.81	201	10:03	0.72
R33B010509	JUNCTION	0.18	0.77	604.89	201	10:02	0.77
R33B010511	JUNCTION	0.00	0.26	614.75	201	09:00	0.26
R33B010512	JUNCTION	0.00	0.28	624.69	201	09:00	0.28
R33B010515	JUNCTION	0.34	1.29	602.36	201	10:01	1.29
R33B010535	JUNCTION	0.25	1.07	600.76	201	10:01	1.07
R33B010536	JUNCTION	0.00	0.43	607.45	201	09:00	0.43
R33B019450	JUNCTION	0.01	0.72	607.80	201	09:00	0.72

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R33C006678	JUNCTION	0.25	1.05	597.64	201	10:01	1.05
R33C006974	JUNCTION	0.36	2.04	590.50	201	09:03	2.02
R33C007196	JUNCTION	0.00	0.47	599.98	201	09:00	0.47
R33C010609	JUNCTION	0.33	1.40	595.55	201	10:01	1.40
R33C010610	JUNCTION	0.01	0.49	605.92	201	09:00	0.49
R33C010627	JUNCTION	0.36	1.65	594.51	201	09:02	1.65
R33C010652	JUNCTION	0.33	1.71	592.92	201	09:03	1.69
R33C010653	JUNCTION	0.01	0.69	598.44	201	09:00	0.69
R33C010654	JUNCTION	0.01	0.87	600.58	201	09:00	0.87
R33C010655	JUNCTION	0.01	0.86	602.75	201	09:00	0.86
R33C010656	JUNCTION	0.01	0.90	604.76	201	09:00	0.90
R33C010657	JUNCTION	0.01	1.21	608.63	201	09:00	1.21
R33C010660	JUNCTION	0.01	1.24	610.70	201	09:00	1.24
R33C010724	JUNCTION	0.01	0.81	592.15	201	09:00	0.81
R33C010727	JUNCTION	0.01	0.63	599.66	201	09:00	0.63
R33C010805	JUNCTION	0.01	0.96	600.84	201	09:00	0.96
R33C010806	JUNCTION	2.13	2.67	605.38	201	09:00	2.67
R33C010807	JUNCTION	0.01	0.86	601.03	201	09:00	0.86
R33C010808	JUNCTION	0.01	0.77	606.28	201	09:00	0.77
R33C010811	JUNCTION	0.01	0.62	607.73	201	09:00	0.62
R33D006698	JUNCTION	0.00	0.00	594.98	0	00:00	0.00
R33D006805	JUNCTION	0.00	0.00	593.08	0	00:00	0.00
R33D006887	JUNCTION	0.00	0.00	591.10	0	00:00	0.00
R33D006973	JUNCTION	0.00	0.00	590.48	0	00:00	0.00
R33D006982	JUNCTION	0.37	2.10	588.96	201	09:04	2.05
R33D007082	JUNCTION	0.00	0.00	588.39	0	00:00	0.00
R33D007083	JUNCTION	0.43	2.24	587.45	201	09:05	2.18
R33D007183	JUNCTION	0.00	0.38	581.77	201	09:06	0.29
R33D007189	JUNCTION	0.48	2.49	584.00	201	09:05	2.41
R33D007193	JUNCTION	0.43	2.47	584.06	201	09:05	2.39
R33D007194	JUNCTION	0.32	1.87	585.74	201	09:04	1.83
R33D007202	JUNCTION	0.39	2.28	581.77	201	09:06	2.19
R33D020934	JUNCTION	0.32	1.92	584.68	201	09:04	1.86
R34A010366	JUNCTION	0.01	0.68	648.42	201	09:00	0.68
R34A010398	JUNCTION	0.01	0.83	647.48	201	09:00	0.83
R34A010413	JUNCTION	0.01	0.84	646.75	201	09:00	0.84
R34A010416	JUNCTION	0.01	0.70	645.05	201	09:00	0.70
R34A010421	JUNCTION	0.00	0.50	644.47	201	08:30	0.50
R34A010461	JUNCTION	0.18	0.77	642.90	201	09:01	0.74
R34A010493	JUNCTION	0.19	0.85	639.90	201	09:02	0.83
R34A010503	JUNCTION	0.19	0.85	638.81	201	09:02	0.82
R34A010518	JUNCTION	0.28	1.33	638.01	201	09:03	1.27
R34A020821	JUNCTION	0.19	0.87	636.97	201	09:04	0.84
R34A020822	JUNCTION	0.19	1.04	638.05	201	09:03	0.99
R34A020823	JUNCTION	0.37	2.61	644.92	201	09:00	1.62
R34D010550	JUNCTION	0.18	0.73	636.53	201	09:04	0.71
R34D010600	JUNCTION	0.01	1.11	620.34	201	09:00	1.11
R34D010604	JUNCTION	0.14	0.58	633.79	201	09:04	0.57
R34D010637	JUNCTION	0.03	1.19	618.35	201	08:51	1.18
R34D010641	JUNCTION	0.16	0.64	626.34	201	09:05	0.63
R34D010661	JUNCTION	0.02	1.39	617.27	201	09:00	1.38
R34D010678	JUNCTION	0.03	2.70	617.00	201	09:00	2.70
R34D010683	JUNCTION	0.20	0.86	620.11	201	09:06	0.83
R34D010712	JUNCTION	0.04	3.31	616.32	201	09:00	3.31
R34D010720	JUNCTION	0.15	0.64	615.97	201	09:07	0.62
R34D010752	JUNCTION	0.03	1.55	613.11	201	09:00	1.55
R34D010754	JUNCTION	0.04	1.77	611.63	201	09:00	1.76
R34D010755	JUNCTION	0.03	1.49	610.23	201	09:01	1.49
R34D010756	JUNCTION	0.04	2.16	609.10	201	09:00	2.16
R34D010759	JUNCTION	0.18	2.42	608.22	201	09:00	2.42
R34D010792	JUNCTION	0.20	2.37	606.02	201	09:00	2.37
R34D010803	JUNCTION	0.18	2.15	605.67	201	09:00	2.14

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R35A010235	JUNCTION	0.00	0.65	548.82	201	10:12	0.64
R35A010236	JUNCTION	0.23	10.60	557.82	201	09:08	10.13
R35A010271	JUNCTION	0.00	0.46	538.10	201	10:12	0.45
R35A010275	JUNCTION	0.22	10.90	547.21	201	09:08	9.29
R35A010276	JUNCTION	0.00	0.82	530.33	201	10:13	0.81
R35A010283	JUNCTION	0.00	0.66	527.38	201	10:13	0.66
R35A010285	JUNCTION	0.23	11.73	535.51	201	09:05	11.05
R35A010303	JUNCTION	0.00	0.62	523.61	201	10:13	0.61
R35A010308	JUNCTION	0.25	10.80	528.97	201	09:05	10.80
R35A010313	JUNCTION	0.00	0.59	515.33	201	10:14	0.59
R35A010322	JUNCTION	0.25	9.40	520.30	201	09:05	6.86
R35A010331	JUNCTION	0.00	0.72	504.39	201	10:14	0.72
R35A010346	JUNCTION	0.24	8.95	511.13	201	09:09	2.31
R35A010351	JUNCTION	0.00	0.49	501.01	201	10:14	0.49
R35A010353	JUNCTION	0.21	0.99	499.14	201	10:14	0.99
R35A010356	JUNCTION	0.25	1.20	497.47	201	10:14	1.20
R35A010363	JUNCTION	0.19	1.20	495.19	201	10:15	1.20
R35A010371	JUNCTION	0.35	8.96	495.89	201	09:20	4.76
R35A010374	JUNCTION	0.31	4.80	491.49	201	09:20	4.80
R35A010401	JUNCTION	0.58	6.76	493.00	201	09:20	5.22
R35A010430	JUNCTION	0.67	7.04	492.18	201	09:20	5.69
R35A010453	JUNCTION	0.66	7.69	492.14	201	09:20	5.68
R35A010474	JUNCTION	0.70	9.06	492.79	201	09:20	5.73
R35A010505	JUNCTION	0.58	10.76	493.79	201	09:20	5.72
R35A010530	JUNCTION	0.57	11.40	492.78	201	09:18	5.96
R35D010565	JUNCTION	0.58	13.10	492.80	201	09:17	6.31
R35D010605	JUNCTION	0.54	9.76	487.79	201	09:17	6.61
R35D010624	JUNCTION	0.54	12.47	487.79	201	09:16	6.61
R35D010651	JUNCTION	0.54	13.08	485.69	201	09:15	6.65
R35D010674	JUNCTION	0.52	12.69	482.98	201	09:14	6.64
R35D010698	JUNCTION	0.54	11.84	479.80	201	09:13	6.93
R35D010717	JUNCTION	0.54	10.57	476.29	201	09:12	6.80
R35D010749	JUNCTION	0.53	10.20	472.97	201	09:09	6.78
R35D010788	JUNCTION	0.53	9.03	468.81	201	09:20	6.94
R35D021071	JUNCTION	0.54	9.04	469.09	201	09:20	6.85
RFMagReducer	JUNCTION	4.92	7.23	442.23	201	09:17	7.19
SangerReg-Sanger	JUNCTION	0.28	3.32	454.72	201	08:59	3.30
SangerReg-WashE	JUNCTION	0.04	2.42	456.52	201	09:00	2.42
SangerReg-WashW	JUNCTION	0.58	7.42	456.52	201	09:00	7.41
S-CstoreHB	JUNCTION	0.15	62.10	510.71	163	09:31	9.64
SouthDiversionMH	JUNCTION	0.03	0.05	453.44	163	09:07	0.03
SouthDiversionOF	JUNCTION	0.00	1.91	451.35	201	09:00	1.91
SouthDiversionUpstream	JUNCTION	0.16	0.16	454.16	0	03:22	0.16
SpringReg	JUNCTION	0.20	3.64	458.48	201	09:00	3.64
StateReg	JUNCTION	0.04	0.52	453.35	201	09:02	0.50
StormJunction	JUNCTION	0.03	2.68	608.65	201	09:00	2.68
TF4	JUNCTION	1.22	15.57	465.42	164	16:46	8.61
WalnutReg	JUNCTION	0.02	0.02	453.15	0	00:33	0.02
WalnutSewerCrossing1	JUNCTION	2.22	7.41	451.14	201	09:02	7.31
WalnutSewerCrossing2	JUNCTION	2.20	7.39	451.12	201	09:01	7.31
WaterOF	JUNCTION	0.01	3.66	456.45	201	09:00	3.65
WWTPjunction	JUNCTION	0.97	2.37	432.67	201	12:30	2.37
001	OUTFALL	0.00	0.00	443.47	0	00:00	0.00
003	OUTFALL	0.00	2.01	437.22	201	09:00	2.00
006A	OUTFALL	0.00	1.83	440.83	201	09:00	1.80
006B	OUTFALL	0.00	2.10	441.10	201	09:00	2.06
007-03-09-OVERLANDtoSTORMSEWER	OUTFALL	0.00	0.00	0.00	0	00:00	0.00
007-03-12-OVERLANDtoSTORMSEWER	OUTFALL	0.00	0.00	0.00	0	00:00	0.00
007-03-13-OVERLANDtoSTORMSEWER	OUTFALL	0.00	0.00	0.00	0	00:00	0.00

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007A	OUTFALL	0.00	2.60	441.10	201	09:01	2.59
008	OUTFALL	0.00	0.00	434.50	0	00:00	0.00
009	OUTFALL	0.00	0.27	436.19	201	09:07	0.26
010	OUTFALL	0.00	0.00	440.10	0	00:00	0.00
011	OUTFALL	0.00	0.00	442.00	0	00:00	0.00
013	OUTFALL	0.00	0.00	442.00	0	00:00	0.00
014	OUTFALL	0.00	0.00	434.00	0	00:00	0.00
016	OUTFALL	0.01	1.80	439.56	201	09:00	1.80
016-03-01-OVERLANDtoRIVER	OUTFALL	0.00	0.00	0.00	0	00:00	0.00
017	OUTFALL	0.00	1.95	443.16	201	09:01	1.95
017-02-05-OVERLANDtoRIVER	OUTFALL	0.00	0.00	0.00	0	00:00	0.00
017-02-07-OVERLANDtoRIVER	OUTFALL	0.00	0.00	0.00	0	00:00	0.00
017-02-08-OVERLANDtoRIVER	OUTFALL	0.00	0.00	0.00	0	00:00	0.00
018	OUTFALL	0.01	2.50	434.80	201	09:02	2.50
018-04-01-OVERLANDtoRIVER	OUTFALL	0.00	0.00	0.00	0	00:00	0.00
018-05-01-OVERLANDtoRIVER	OUTFALL	0.00	0.00	0.00	0	00:00	0.00
018-05-02-OVERLANDtoRIVER	OUTFALL	0.00	0.00	0.00	0	00:00	0.00
019	OUTFALL	0.01	3.31	446.36	201	09:01	3.30
020	OUTFALL	0.00	0.00	438.85	0	00:00	0.00
WashingtonRoadOutfall	OUTFALL	0.00	0.00	468.00	0	00:00	0.00
WetWeatherTreatment	OUTFALL	0.00	0.00	429.00	0	00:00	0.00
WilcoxAve	OUTFALL	0.00	0.00	647.00	0	00:00	0.00
WWTP	OUTFALL	0.97	2.37	432.37	201	12:30	2.37
006-01LE_E-SWIRL	STORAGE	0.62	10.12	459.68	201	08:59	10.12
007-01LE_F-SWIRL	STORAGE	0.54	9.77	459.83	201	09:00	9.77
017-03FT_P17B002039	STORAGE	0.08	3.98	455.47	201	09:00	3.98
BypassPS	STORAGE	0.00	0.00	430.30	0	00:00	0.00
GritChamber	STORAGE	6.85	7.60	440.60	201	13:00	7.59
P04D008480	STORAGE	0.01	7.68	512.90	201	09:02	7.67
P17B001657	STORAGE	0.01	3.59	492.10	201	09:00	3.59
RawSewagePS	STORAGE	0.02	9.25	439.55	201	13:16	9.24

Node Inflow Summary

Total	Flow		Maximum	Maximum		Lateral	
Inflow	Balance		Lateral	Total	Time of Max	Inflow	
Volume	Error		Inflow	Inflow	Occurrence	Volume	
Node	Percent	Type	CFS	CFS	days hr:min	10^6 gal	10^6
000-01LE_P20A002493	0.000	JUNCTION	0.00	106.42	201 09:19	0	
4.42e+03							
000-02LE_P16A001762	-0.000	JUNCTION	2.04	78.95	163 09:50	482	
3.48e+03							
000-03LE_P09B019209	1.209	JUNCTION	0.00	85.73	163 09:11	0	
4.69e+03							

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000-04LE_P10A019206	JUNCTION	0.00	33.24	201	12:51	0
1.48e+03 0.000						
000-05FT_P09C001302	JUNCTION	0.00	57.65	188	20:34	0
2.18e+03 0.140						
000-06FT_P03B010947	JUNCTION	0.91	17.04	201	10:24	11
612 0.001						
000-07FT_R22C009535	JUNCTION	11.61	11.61	201	09:05	121
121 0.008						
003-01LE_P03C011286	JUNCTION	0.00	138.32	201	09:00	0
95.7 0.104						
003-02FP_P03D011236	JUNCTION	10.67	120.25	201	09:00	120
397 0.008						
003-03FP_P03C011165	JUNCTION	16.83	34.46	201	09:00	45.1
53.4 0.035						
003-05FT_R34D010664	JUNCTION	0.00	6.67	201	09:05	0
93.9 0.000						
003-07FT_P03A010870	JUNCTION	8.32	71.59	201	09:00	120
259 -0.000						
006-03FP_EatonReg	JUNCTION	0.00	126.36	201	08:56	0
467 -0.038						
007-03FP_P09B000783	JUNCTION	0.00	159.03	201	09:00	0
542 0.002						
007-04FT_P09B000789a	JUNCTION	0.00	39.15	163	09:26	0
529 0.002						
009-01LE_P09B001025	JUNCTION	0.00	2.17	201	09:01	0
10.3 -0.000						
016-01LE_P16A002632Ba	JUNCTION	0.00	263.17	201	09:00	0
59.8 0.011						
016-02FP_P08C000595	JUNCTION	7.86	231.41	201	09:00	3.16
858 0.000						
016-03FP_P16A020804	JUNCTION	0.00	28.86	201	08:48	0
11.6 0.026						
016-04FT_P16A001674a	JUNCTION	0.00	228.54	201	09:00	0
45.2 -0.002						
016-04LT_P16A001674	JUNCTION	0.00	245.14	201	09:00	0
865 0.000						
016-06FT_P04D008125	JUNCTION	0.00	11.10	201	09:03	0
116 0.001						
016-07FT_P05C008108	JUNCTION	0.00	21.64	201	09:00	0
146 0.001						
017-01LE_P17B002039A	JUNCTION	0.00	74.68	201	09:00	0
13.9 -0.005						
017-04FT_P17C002116	JUNCTION	0.00	5.98	201	08:56	0
55.8 0.010						
018-01LE_SangerReg-Sanger2	JUNCTION	0.00	89.56	201	09:00	0
28.3 -0.001						
018-04FP_P17D002127	JUNCTION	0.00	86.44	201	08:58	0
181 0.001						
018-05FP_P17D002214	JUNCTION	0.00	30.93	201	09:00	0
27.2 0.003						
018-06FP_P17D002115	JUNCTION	24.51	24.51	201	09:00	18.9
18.9 -0.012						
018-10FE_P17D002221	JUNCTION	0.00	10.83	201	09:00	0
193 0.000						
019_SW_Connection	JUNCTION	33.82	173.55	201	08:57	16.8
30.7 0.014						
019-01LE_DarstReg2	JUNCTION	0.00	258.73	201	08:59	0
13.9 -0.085						
019-03FT_P19B002463	JUNCTION	0.00	23.46	201	09:01	0
530 0.001						
Bypass	JUNCTION	0.00	4.35	201	13:16	0
0.0446 -0.035						

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CarolineReg	JUNCTION	0.00	34.43	201	09:00	0
54 -0.047						
CC2	JUNCTION	125.24	125.24	201	13:45	3.91e+03
3.91e+03 0.000						
CedarOF1	JUNCTION	0.00	263.30	201	09:00	0
59.8 -0.004						
CedarReg-Water	JUNCTION	0.00	34.93	201	09:00	0
19 0.280						
CedarSewerCrossing1	JUNCTION	0.00	263.15	201	09:00	0
59.9 -0.002						
CedarSewerCrossing2	JUNCTION	0.00	263.17	201	09:00	0
59.9 0.002						
DarstReg	JUNCTION	0.00	156.33	201	09:01	0
544 -0.016						
EatonSewerCrossing1	JUNCTION	0.00	75.38	201	09:00	0
15.3 0.001						
EatonSewerCrossing2	JUNCTION	0.00	75.33	201	09:00	0
15.3 -0.007						
E-SWIRL-MH6	JUNCTION	0.00	16.05	163	09:21	0
436 0.000						
E-SWIRL-MH6a	JUNCTION	0.00	16.06	163	09:21	0
436 -0.002						
E-SWIRL-OF	JUNCTION	0.00	120.62	201	08:59	0
17 -0.010						
E-SWIRL-OF2	JUNCTION	0.00	138.28	201	08:57	0
17 -0.004						
FayetteReg	JUNCTION	0.00	162.98	201	09:00	0
542 -0.004						
FayetteSewerCrossing1	JUNCTION	0.00	150.01	201	09:01	0
13.1 0.010						
FayetteSewerCrossing2	JUNCTION	0.00	171.86	201	09:01	0
13.1 -0.152						
F-SWIRL-MH3	JUNCTION	0.00	39.15	163	09:26	0
529 -0.000						
F-SWIRL-MH3a	JUNCTION	0.00	39.17	163	09:27	0
529 -0.001						
F-SWIRL-OF	JUNCTION	0.00	148.23	201	09:00	0
13.1 -0.000						
F-SWIRL-OF2	JUNCTION	0.00	152.39	201	09:00	0
13.1 -0.000						
GreenReg	JUNCTION	0.00	37.04	201	08:46	0
18.2 -0.032						
HamiltonReg	JUNCTION	0.00	68.50	201	08:58	0
33.5 -0.186						
HarrisonReg	JUNCTION	0.00	0.04	201	08:59	0
9.44 0.000						
Headworks	JUNCTION	0.00	191.04	201	13:00	0
8.33e+03 0.000						
L13B003623	JUNCTION	1.29	1.29	201	09:20	29.2
29.2 0.000						
L13B003636	JUNCTION	0.00	1.29	201	09:20	0
29.2 0.000						
LibertyReg	JUNCTION	0.00	0.09	0	00:54	0
21.2 0.000						
LibertySewerCrossing1	JUNCTION	0.00	59.10	163	09:46	0
2.11e+03 -0.000						
MainReg	JUNCTION	0.00	56.72	201	09:00	0
27.7 -0.146						
P02A010849	JUNCTION	0.00	16.36	201	11:20	0
601 0.000						
P02A010875	JUNCTION	0.00	16.36	201	11:20	0
601 0.000						

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P02A010886	JUNCTION	0.00	16.36	201	11:20	0
601 0.000						
P03A010846	JUNCTION	0.00	63.50	201	09:00	0
140 0.001						
P03A010885	JUNCTION	0.00	71.53	201	09:00	0
259 0.000						
P03A010904	JUNCTION	5.46	5.51	201	09:00	2.3
2.3 -0.000						
P03A010909	JUNCTION	0.00	5.51	201	09:00	0
2.3 -0.007						
P03A010911	JUNCTION	0.00	71.47	201	09:00	0
259 0.000						
P03A010917	JUNCTION	0.00	5.52	201	09:00	0
2.3 0.009						
P03A010933	JUNCTION	12.66	84.13	201	09:00	5.34
265 0.000						
P03A010944	JUNCTION	0.00	5.51	201	09:01	0
2.3 -0.012						
P03A010955	JUNCTION	13.00	96.78	201	09:00	6.31
271 -0.000						
P03A010957	JUNCTION	0.00	5.51	201	09:01	0
2.3 -0.020						
P03A010980	JUNCTION	0.00	96.42	201	09:00	0
271 0.000						
P03A010981	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P03A010984	JUNCTION	0.00	0.35	201	09:00	0
0.00386 3859.229 gal						
P03A010990	JUNCTION	0.00	5.51	201	09:01	0
2.31 -0.002						
P03A011016	JUNCTION	0.00	5.50	201	09:02	0
2.31 0.034						
P03A011023	JUNCTION	0.00	96.41	201	09:00	0
271 0.000						
P03A011032	JUNCTION	12.26	17.66	201	09:00	6
8.3 -0.023						
P03A011069	JUNCTION	4.75	101.11	201	09:00	2.3
273 0.000						
P03A011105	JUNCTION	0.00	101.10	201	09:00	0
273 0.000						
P03B010906	JUNCTION	0.00	16.36	201	11:20	0
601 0.000						
P03B010920	JUNCTION	0.00	16.36	201	11:20	0
601 0.000						
P03B010943	JUNCTION	0.00	16.36	201	11:20	0
601 0.001						
P03B011036	JUNCTION	0.07	17.06	201	10:24	1.88
614 0.002						
P03B011044	JUNCTION	0.00	17.07	201	10:24	0
614 0.001						
P03B011075	JUNCTION	0.00	17.66	201	09:00	0
8.3 0.001						
P03B011076	JUNCTION	0.00	17.07	201	10:24	0
614 0.000						
P03B011078	JUNCTION	0.01	17.08	201	10:24	0.329
615 0.002						
P03B011117	JUNCTION	0.00	17.66	201	09:00	0
8.3 0.023						
P03C011151	JUNCTION	0.00	17.06	201	10:24	0
615 0.003						
P03C011166	JUNCTION	0.00	17.07	201	10:24	0
615 0.001						

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P03C011195	JUNCTION	0.00	19.42	201	09:59	0
662 0.001						
P03C011208	JUNCTION	0.00	26.74	201	09:00	0
7.39 -0.032						
P03C011253	JUNCTION	0.00	19.36	201	09:59	0
662 0.026						
P03C011258	JUNCTION	0.00	26.74	201	09:00	0
7.67 -1.363						
P03C011277	JUNCTION	0.00	25.96	201	09:00	0
971 0.001						
P03C011286a	JUNCTION	0.00	132.50	201	09:00	0
13.1 -0.006						
P03D000152	JUNCTION	0.00	37.04	201	08:45	0
18.2 0.003						
P03D000163	JUNCTION	0.00	37.04	201	08:46	0
18.2 0.008						
P03D011153	JUNCTION	0.00	101.09	201	09:00	0
273 0.001						
P03D011192	JUNCTION	6.83	107.86	201	09:00	3.31
277 -0.000						
P03D011228	JUNCTION	0.00	107.85	201	09:00	0
277 0.000						
P03D011266	JUNCTION	0.00	1.77	201	09:01	0
0.851 0.090						
P03D011290	JUNCTION	0.00	1.77	201	09:00	0
0.852 0.033						
P03D011296	JUNCTION	0.01	25.96	201	09:00	0.212
971 0.001						
P03D011320	JUNCTION	0.00	25.97	201	09:00	0.118
971 0.001						
P03D011323	JUNCTION	0.00	1.77	201	09:00	0
0.851 -0.020						
P03D011328	JUNCTION	0.00	45.00	163	09:28	0
81.3 -0.144						
P03D011348	JUNCTION	0.00	1.77	201	09:00	0
0.851 -0.007						
P03D011351	JUNCTION	0.00	45.00	163	09:28	0
81.4 -0.244						
P03D011361	JUNCTION	0.00	25.96	201	09:00	0.047
971 0.002						
P03D011367	JUNCTION	22.07	37.04	201	08:45	10.9
18.2 -0.025						
P03D011368	JUNCTION	0.00	44.99	163	09:27	0
81.6 -0.147						
P03D011375	JUNCTION	1.77	1.77	201	09:00	0.851
0.851 -0.047						
P03D011389	JUNCTION	0.00	45.39	163	09:28	0
81.8 -0.062						
P03D011401	JUNCTION	0.00	25.96	201	09:00	0
971 0.002						
P03D011403	JUNCTION	0.00	37.04	201	08:45	0
18.2 -0.003						
P03D011421	JUNCTION	0.00	25.96	201	09:00	0
971 0.004						
P03D011423	JUNCTION	0.00	37.04	201	08:46	0
18.2 -0.000						
P04A007282	JUNCTION	0.00	50.52	201	09:06	0
357 -0.000						
P04A007472	JUNCTION	0.00	50.39	201	09:08	0
357 0.003						
P04A007639	JUNCTION	0.00	2.58	201	09:00	0
1.26 -0.079						

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P04A007640	JUNCTION	2.58	2.58	201	09:00	1.26
1.26 -0.002						
P04A007682	JUNCTION	0.69	50.68	201	09:10	129
486 0.002						
P04A007769	JUNCTION	0.00	7.22	201	08:55	0
2.77 -0.027						
P04A007770	JUNCTION	0.00	3.13	201	08:54	0
1.51 0.035						
P04A007781	JUNCTION	3.10	3.10	201	09:00	1.51
1.51 -0.043						
P04B011080	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P04B011089	JUNCTION	0.00	0.07	201	08:00	0
0.00251 0.077						
P04B011091	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P04B011095	JUNCTION	10.20	10.20	201	08:40	5.02
5.02 0.014						
P04B011096	JUNCTION	0.00	10.20	201	08:40	0
5.01 -0.012						
P04B011099	JUNCTION	9.58	19.78	201	09:00	398
403 0.000						
P04B011115	JUNCTION	14.46	33.84	201	08:58	7.13
410 0.000						
P04B011119	JUNCTION	0.00	33.84	201	08:58	0
410 0.000						
P04B011124	JUNCTION	0.00	33.84	201	08:57	0
410 0.000						
P04B011139	JUNCTION	0.00	33.85	201	08:56	0
410 0.000						
P04C000167	JUNCTION	0.00	23.05	201	09:00	0
11.2 0.011						
P04C011161	JUNCTION	0.00	33.87	201	08:56	0
410 0.000						
P04C011173	JUNCTION	0.00	33.87	201	08:57	0
410 0.000						
P04C011176	JUNCTION	0.00	33.86	201	08:57	0
410 0.000						
P04C011201	JUNCTION	0.00	33.86	201	08:57	0
410 0.000						
P04C011204	JUNCTION	0.00	33.88	201	08:57	0
410 0.000						
P04C011213	JUNCTION	0.00	33.91	201	08:57	0
410 0.000						
P04C011224	JUNCTION	14.97	14.97	201	08:55	7.34
7.34 0.019						
P04C011267	JUNCTION	0.00	14.97	201	08:55	0
7.34 -0.067						
P04C011298	JUNCTION	0.00	14.97	201	08:57	0
7.35 0.032						
P04C011308	JUNCTION	0.00	59.92	201	08:59	0
423 0.002						
P04C011321	JUNCTION	0.00	61.46	201	09:01	0
495 0.000						
P04C011322	JUNCTION	0.00	61.41	201	09:01	0
495 0.000						
P04C011330	JUNCTION	0.00	14.97	201	08:58	0
7.34 0.083						
P04C011332	JUNCTION	8.26	69.16	201	09:00	4.01
499 0.000						
P04C011338	JUNCTION	9.16	68.99	201	09:00	4.51
427 -0.000						

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P04C011341	JUNCTION	0.00	61.49	201	09:00	0
495 0.000						
P04C011371	JUNCTION	0.00	69.12	201	09:00	0
499 0.001						
P04C011378	JUNCTION	0.00	68.98	201	09:00	0
427 0.001						
P04C011404	JUNCTION	8.61	77.34	201	09:00	3.78
502 0.000						
P04C011412	JUNCTION	0.00	68.94	201	09:00	0
427 0.000						
P04C019172	JUNCTION	0.00	33.91	201	08:57	0
410 0.000						
P04C019174	JUNCTION	16.00	49.92	201	08:57	7.86
418 0.000						
P04C019175	JUNCTION	10.07	60.00	201	08:57	4.97
423 0.000						
P04C019180	JUNCTION	0.00	60.02	201	08:58	0
423 -0.001						
P04C019186	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P04C019187	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P04C019189	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P04D007896	JUNCTION	0.00	5.90	201	08:55	0
2.77 0.024						
P04D007929	JUNCTION	2.58	51.32	201	09:12	1.27
487 0.001						
P04D007987	JUNCTION	0.00	5.74	201	08:58	0
2.77 0.038						
P04D008030	JUNCTION	6.97	53.71	201	09:00	3.42
491 0.000						
P04D008148	JUNCTION	4.90	58.46	201	09:00	2.42
493 0.000						
P04D008225	JUNCTION	0.00	11.07	201	09:03	0
116 0.001						
P04D008239	JUNCTION	3.23	61.55	201	09:00	1.59
495 0.000						
P04D008278	JUNCTION	3.19	3.19	201	09:00	1.54
1.54 -0.047						
P04D008314	JUNCTION	0.00	11.06	201	09:04	0
116 0.000						
P04D008344	JUNCTION	14.33	14.33	201	09:00	6.98
6.98 -0.021						
P04D008368	JUNCTION	0.00	11.06	201	09:04	0
116 0.000						
P04D008404	JUNCTION	3.87	3.87	201	09:00	1.92
1.92 -0.000						
P04D008426	JUNCTION	0.00	3.89	201	08:10	0
1.92 -0.001						
P04D008432	JUNCTION	0.00	3.91	201	08:18	0
1.92 0.001						
P04D008435	JUNCTION	0.00	14.33	201	09:00	0
6.98 0.006						
P04D008438	JUNCTION	0.00	3.93	201	08:10	0
1.92 -0.030						
P04D008449	JUNCTION	0.00	11.06	201	09:05	0
116 0.000						
P04D011384	JUNCTION	0.00	3.18	201	09:00	0
1.54 0.101						
P04D011414	JUNCTION	5.55	23.06	201	09:00	2.69
11.2 -0.003						

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P05B007812	JUNCTION	12.26	12.26	201	09:00	141
141 -0.001						
P05C000168	JUNCTION	0.00	21.55	201	09:03	0
146 0.001						
P05C007899	JUNCTION	0.00	12.31	201	09:01	0
141 0.001						
P05C007949	JUNCTION	0.00	12.27	201	09:02	0
141 0.001						
P05C007974	JUNCTION	0.00	12.28	201	09:02	0
141 0.001						
P05C007977	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P05C008098	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P05C008102	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P05C008106	JUNCTION	0.00	21.65	201	09:00	0
146 0.001						
P05C008109	JUNCTION	5.50	5.50	201	09:00	113
113 0.000						
P05C008116	JUNCTION	0.00	5.51	201	09:02	0
113 0.001						
P05C008119	JUNCTION	0.00	21.66	201	09:00	0
146 0.000						
P05C008210	JUNCTION	0.00	21.61	201	09:01	0
146 0.000						
P05C008219	JUNCTION	9.81	9.81	201	08:55	4.83
4.83 -0.003						
P05C008297	JUNCTION	0.00	21.59	201	09:01	0
146 0.001						
P05C008408	JUNCTION	0.00	21.57	201	09:02	0
146 0.001						
P05C008472	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P05C008511	JUNCTION	0.00	21.56	201	09:03	0
146 0.001						
P05C008542	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P05D000148	JUNCTION	0.00	12.65	201	09:00	0
6.21 0.023						
P05D008517	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P05D008519	JUNCTION	6.84	12.65	201	09:00	3.36
6.21 -0.000						
P05D008520	JUNCTION	0.00	12.65	201	09:00	0
6.21 0.006						
P05D008524	JUNCTION	5.81	5.81	201	09:00	2.85
2.85 -0.011						
P05D020745	JUNCTION	0.00	12.65	201	09:00	0
6.21 -0.002						
P07C000585	JUNCTION	0.00	59.90	201	09:00	0
114 -0.002						
P07C000603	JUNCTION	8.60	67.51	201	09:00	253
368 0.000						
P07C001321	JUNCTION	0.00	29.85	201	09:00	0
14.3 -0.044						
P07C001323	JUNCTION	0.00	29.85	201	09:00	0
14.3 -0.001						
P07C001326	JUNCTION	0.00	29.86	201	09:00	0
14.3 -0.001						
P07C001327	JUNCTION	21.04	50.86	201	09:00	10.5
24.9 -0.013						

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P07C001402	JUNCTION	0.00	50.85	201	09:00	0
24.8 0.008						
P07C001454	JUNCTION	0.00	50.84	201	09:00	0
24.8 0.002						
P07C001479	JUNCTION	0.00	50.84	201	09:00	0
24.8 -0.000						
P07C001483	JUNCTION	0.00	50.80	201	09:01	0
24.8 0.035						
P07C001489	JUNCTION	0.00	50.82	201	09:00	0
24.8 0.012						
P07C001493	JUNCTION	0.00	50.84	201	09:00	0
24.8 -0.046						
P07C001499	JUNCTION	0.00	50.79	201	09:01	0
24.8 -0.021						
P07C001554	JUNCTION	0.00	50.79	201	09:01	0
24.8 0.014						
P07C001589	JUNCTION	0.00	50.78	201	09:02	0
24.8 0.002						
P07C001617	JUNCTION	0.00	50.77	201	09:02	0
24.8 0.005						
P07C001626	JUNCTION	0.00	50.77	201	09:02	0
24.8 -0.055						
P07C001627	JUNCTION	0.00	50.76	201	09:02	0
24.8 0.048						
P07C001628	JUNCTION	0.00	50.87	201	09:03	0
24.8 0.008						
P07C020785	JUNCTION	0.00	29.86	201	09:00	0
14.3 0.048						
P07D000579	JUNCTION	0.00	9.32	201	09:00	0
89.3 0.000						
P07D001426	JUNCTION	5.28	5.28	201	09:20	86.9
86.9 -0.000						
P07D001458	JUNCTION	0.00	5.30	201	09:20	0
86.9 -0.000						
P07D001500	JUNCTION	0.00	5.28	201	09:25	0
86.9 0.002						
P07D001518	JUNCTION	0.00	5.74	201	09:35	0
86.9 -0.001						
P07D001542	JUNCTION	0.00	10.83	201	09:36	0
86.9 -0.000						
P07D001551	JUNCTION	0.00	5.33	201	09:37	0
86.9 0.000						
P07D001569	JUNCTION	0.00	9.33	201	09:00	0
89.3 0.000						
P07D001572	JUNCTION	4.90	9.33	201	09:00	2.45
89.3 0.000						
P07D001604	JUNCTION	0.00	9.33	201	09:00	0
89.3 0.000						
P08A000211	JUNCTION	14.33	26.97	201	09:00	7.03
13.2 -0.016						
P08A000286	JUNCTION	0.00	26.97	201	09:00	0
13.2 -0.009						
P08A000391	JUNCTION	0.00	26.97	201	09:00	0
13.2 0.009						
P08A000447	JUNCTION	0.00	26.97	201	09:00	0
13.2 -0.000						
P08A000495	JUNCTION	0.00	31.94	201	08:59	0
173 0.000						
P08A000548	JUNCTION	0.00	31.94	201	08:59	0
173 0.000						
P08A000557	JUNCTION	11.48	11.48	201	08:55	4.61
4.61 -0.065						

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P08A000560	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P08A000698	JUNCTION	0.00	26.97	201	09:00	0
13.2 -0.006						
P08A000797	JUNCTION	0.00	26.97	201	09:00	0
13.2 0.011						
P08A000849	JUNCTION	1.65	28.63	201	09:00	158
171 -0.000						
P08A000895	JUNCTION	0.00	28.65	201	09:01	0
171 0.001						
P08A001001	JUNCTION	3.48	31.95	201	08:58	1.71
173 0.009						
P08B000306	JUNCTION	0.00	21.55	201	09:04	0
146 0.001						
P08B000322	JUNCTION	0.00	27.16	201	09:00	0
203 0.000						
P08B000372	JUNCTION	17.29	38.51	201	09:00	6.92
153 -0.000						
P08B000380	JUNCTION	0.00	27.15	201	09:00	0
203 0.000						
P08B000413	JUNCTION	0.00	38.50	201	09:00	0
153 0.000						
P08B000450	JUNCTION	0.00	27.14	201	09:00	0
203 0.000						
P08B000453	JUNCTION	0.00	27.13	201	09:01	0
203 0.001						
P08B000454	JUNCTION	0.00	27.09	201	09:01	0
203 0.001						
P08B000465	JUNCTION	0.00	65.43	201	09:00	0
356 0.000						
P08B000534	JUNCTION	0.00	74.45	201	09:02	0
360 0.001						
P08B000547	JUNCTION	0.00	11.53	201	08:06	0
4.61 0.033						
P08B000720	JUNCTION	0.00	65.38	201	09:00	0
356 0.000						
P08B000765	JUNCTION	1.55	66.85	201	09:00	0.622
357 0.000						
P08B000869	JUNCTION	0.00	74.53	201	09:00	0
360 -0.001						
P08B000870	JUNCTION	0.00	7.74	201	08:18	0
3.11 0.404						
P08B000871	JUNCTION	0.00	7.74	201	08:17	0
3.11 -0.062						
P08B000879	JUNCTION	0.00	74.50	201	09:00	0
360 0.000						
P08B000937	JUNCTION	0.00	7.74	201	08:16	0
3.11 0.069						
P08B000938	JUNCTION	0.00	7.74	201	08:15	0
3.11 -0.069						
P08B000998	JUNCTION	7.74	7.74	201	08:15	3.11
3.11 -0.040						
P08B001009	JUNCTION	0.00	74.50	201	09:01	0
360 0.000						
P08B001044	JUNCTION	0.00	74.48	201	09:01	0
360 0.000						
P08C000584	JUNCTION	0.00	4.65	201	08:35	0
1.89 0.300						
P08C000606	JUNCTION	0.00	22.59	201	08:18	0
9.05 0.043						
P08C000608	JUNCTION	0.00	22.59	201	08:17	0
9.05 -0.002						

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P08C000609	JUNCTION	0.00	22.59	201	08:16	0
9.06 0.105						
P08C000634	JUNCTION	4.65	4.65	201	08:35	1.89
1.89 -0.329						
P08C000636	JUNCTION	13.81	250.84	201	08:59	6.88
865 -0.000						
P08C001129	JUNCTION	0.00	11.55	201	08:07	0
4.61 -0.026						
P08C001136	JUNCTION	0.00	74.40	201	09:02	0
360 0.000						
P08C001181	JUNCTION	0.00	74.42	201	09:03	0
360 0.000						
P08C001202	JUNCTION	0.00	11.61	201	08:07	0
4.61 0.049						
P08C001229	JUNCTION	0.00	74.56	201	09:03	0
360 0.000						
P08C001236	JUNCTION	0.00	11.54	201	08:08	0
4.61 0.109						
P08C001262	JUNCTION	0.00	74.91	201	09:04	0
360 0.000						
P08C001279	JUNCTION	0.00	67.72	201	09:00	0
187 0.000						
P08C001282	JUNCTION	5.94	67.73	201	09:00	2.38
187 -0.003						
P08C001285	JUNCTION	3.97	145.54	201	09:00	276
823 0.001						
P08C001290	JUNCTION	0.00	50.31	201	09:00	0
180 0.000						
P08C001308	JUNCTION	0.00	145.48	201	09:01	0
823 0.000						
P08C001333	JUNCTION	0.00	145.48	201	09:01	0
823 0.000						
P08C001428	JUNCTION	0.00	145.51	201	09:02	0
823 0.004						
P08C001433	JUNCTION	0.00	156.14	201	09:02	0
823 -0.003						
P08C001439	JUNCTION	0.00	145.46	201	09:02	0
823 0.000						
P08C001444	JUNCTION	0.00	145.96	201	09:02	0
823 0.000						
P08C001474	JUNCTION	15.61	160.34	201	09:00	6.26
829 0.000						
P08C001513	JUNCTION	0.00	190.06	201	09:00	0
841 -0.004						
P08C001515	JUNCTION	0.00	11.88	201	08:09	0
4.68 0.065						
P08C001528	JUNCTION	0.00	12.68	201	08:10	0
4.68 -0.040						
P08C001546	JUNCTION	0.00	194.63	201	09:00	0
843 0.000						
P08C001568	JUNCTION	0.00	4.65	201	08:36	0
1.89 0.050						
P08C001585	JUNCTION	17.55	223.89	201	08:59	7.02
855 0.001						
P08C001588	JUNCTION	0.00	29.81	201	08:19	0
12 0.190						
P08C001599	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P08C001618	JUNCTION	0.00	223.73	201	09:00	0
855 0.000						
P08C001624	JUNCTION	0.00	29.81	201	08:18	0
11.9 -0.032						

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P08C001625	JUNCTION	7.23	7.23	201	08:15	2.9
2.9 0.041						
P08D000582	JUNCTION	0.00	8.91	201	08:07	0
3.52 -0.001						
P08D000610	JUNCTION	13.81	22.58	201	08:18	5.53
9.05 -0.180						
P08D000612	JUNCTION	0.00	8.90	201	08:07	0
3.53 0.275						
P08D000613	JUNCTION	0.00	8.88	201	08:07	0
3.52 -0.124						
P08D001122	JUNCTION	0.00	31.94	201	08:59	0
173 0.000						
P08D001160	JUNCTION	0.00	31.94	201	08:59	0
173 0.000						
P08D001253	JUNCTION	0.00	31.94	201	09:00	0
173 0.000						
P08D001254	JUNCTION	0.00	31.94	201	09:00	0
173 0.000						
P08D001257	JUNCTION	29.89	29.89	201	09:00	14.3
14.3 -0.004						
P08D001291	JUNCTION	0.00	50.33	201	09:00	0
180 0.008						
P08D001292	JUNCTION	0.00	31.94	201	09:00	0
173 -0.000						
P08D001293	JUNCTION	9.68	50.35	201	09:00	3.88
180 -0.003						
P08D001294	JUNCTION	7.74	39.67	201	09:00	3.1
176 0.001						
P08D001295	JUNCTION	0.00	31.95	201	09:00	0
173 0.000						
P08D001318_019-10FT	JUNCTION	0.00	29.87	201	09:00	0
14.3 0.004						
P08D001320	JUNCTION	0.00	1.05	201	08:18	0
0.437 0.049						
P08D001366	JUNCTION	0.00	1.03	201	08:58	0
0.437 0.017						
P08D001447	JUNCTION	1.03	1.03	201	08:55	0.437
0.437 -0.179						
P08D001448	JUNCTION	0.00	1.03	201	08:55	0
0.437 0.087						
P08D001451	JUNCTION	0.00	1.03	201	08:56	0
0.437 0.039						
P08D001453	JUNCTION	0.00	1.03	201	08:58	0
0.437 -0.011						
P08D001566	JUNCTION	0.00	0.28	201	08:04	0
0.000341 2.808						
P08D001602	JUNCTION	8.78	8.92	201	08:06	3.52
3.52 -0.034						
P09A000182	JUNCTION	4.98	7.47	201	09:03	81.7
83.7 0.000						
P09A000186	JUNCTION	8.90	19.77	201	09:00	3.57
120 0.000						
P09A000187	JUNCTION	0.00	2.49	201	09:02	0
1.92 0.017						
P09A000207	JUNCTION	0.00	7.52	201	09:03	0
83.7 -0.001						
P09A000220	JUNCTION	0.00	7.47	201	09:01	0
83.7 -0.000						
P09A000255	JUNCTION	0.00	27.17	201	09:00	0
203 0.000						
P09A000256	JUNCTION	0.00	7.47	201	09:02	0
83.7 0.000						

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P09A000257	JUNCTION	0.00	7.47	201	09:02	0
83.7 0.000						
P09A000523	JUNCTION	0.00	0.01	18	01:25	0
2.36 0.000						
P09A000541	JUNCTION	0.00	0.01	0	00:22	0
2.36 0.000						
P09A001117	JUNCTION	0.01	0.01	0	00:00	2.36
2.36 0.000						
P09B000196	JUNCTION	0.00	77.27	201	09:00	0
502 0.000						
P09B000239	JUNCTION	9.03	9.03	201	09:00	4.44
4.44 -0.001						
P09B000301	JUNCTION	15.10	38.15	201	09:00	7.3
18.5 -0.012						
P09B000334	JUNCTION	0.00	77.23	201	09:00	0
502 0.001						
P09B000352	JUNCTION	0.00	68.90	201	09:01	0
427 0.000						
P09B000373	JUNCTION	0.00	68.90	201	09:01	0
427 0.000						
P09B000411	JUNCTION	0.00	38.15	201	09:00	0
18.5 0.002						
P09B000449	JUNCTION	12.39	89.19	201	09:00	6.07
508 0.000						
P09B000471	JUNCTION	0.00	68.89	201	09:01	0
427 0.000						
P09B000491	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09B000504	JUNCTION	0.07	58.61	163	09:43	1.93
2.1e+03 0.005						
P09B000505A	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09B000505B	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09B000505C	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09B000505D	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09B000505E	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09B000505F	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09B000506	JUNCTION	0.00	0.04	0	00:02	0
9.44 0.000						
P09B000507	JUNCTION	0.00	0.16	201	09:00	0
21.2 0.001						
P09B000515	JUNCTION	0.00	58.58	163	09:43	0
2.1e+03 0.000						
P09B000573	JUNCTION	0.00	0.04	0	00:05	0
9.44 0.000						
P09B000702	JUNCTION	6.32	89.15	201	08:56	3.14
447 -0.012						
P09B000707A	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09B000731	JUNCTION	0.00	38.14	201	09:00	0
18.5 0.004						
P09B000734	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09B000749	JUNCTION	0.00	2.11	201	08:22	0
0.249 -0.149						
P09B000749a	JUNCTION	0.00	2.04	201	08:22	0
0.262 0.005						

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P09B000752	JUNCTION	0.00	2.03	201	08:22	0
0.403 0.012						
P09B000780A	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09B000780B	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09B000780C	JUNCTION	0.00	0.13	201	08:56	0
0.00021 1.867						
P09B000782	JUNCTION	11.75	11.75	201	09:00	5.75
5.75 -0.000						
P09B000789	JUNCTION	0.00	39.15	163	09:26	0
529 -0.003						
P09B000801	JUNCTION	0.00	16.06	163	09:21	0
436 -0.009						
P09B000804	JUNCTION	0.00	38.14	201	09:00	0
18.5 0.008						
P09B000815A	JUNCTION	0.00	122.77	201	08:55	0
17 0.000						
P09B000815B	JUNCTION	0.00	123.45	201	09:00	0
17.3 0.003						
P09B000815D	JUNCTION	0.00	48.17	201	09:00	0
2.01 -0.351						
P09B000826B	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09B000826C	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09B000826D	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09B000826E	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09B000826G	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09B000831	JUNCTION	18.59	56.73	201	09:00	9.15
27.7 -0.005						
P09B000866	JUNCTION	0.00	56.73	201	09:00	0
27.7 0.001						
P09B000874	JUNCTION	0.00	37.88	201	12:54	0
1.57e+03 -0.006						
P09B000898	JUNCTION	0.00	89.45	163	09:11	0
4.63e+03 -0.864						
P09B000901	JUNCTION	1.81	1.81	201	08:55	9.69
9.69 -0.001						
P09B000904A	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09B000910	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09B000910B	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09B000910C	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09B000910H	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09B000964	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09B000983	JUNCTION	0.09	0.09	0	00:00	21.2
21.2 0.000						
P09B001008	JUNCTION	0.36	2.17	201	09:00	0.574
10.3 0.003						
P09B001025A	JUNCTION	0.00	0.92	201	09:02	0
0.0146 -0.237						
P09B001025B	JUNCTION	0.00	0.92	201	09:02	0
0.0146 0.222						

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P09B001025C	JUNCTION	0.00	0.91	201	09:05	0
0.0146 -0.135						
P09B001025D	JUNCTION	0.00	0.91	201	09:06	0
0.0146 0.184						
P09B001025E	JUNCTION	0.00	0.91	201	09:07	0
0.0146 -0.002						
P09B001029	JUNCTION	0.00	59.41	163	09:42	0
2.1e+03 0.048						
P09B001031	JUNCTION	0.00	1.45	201	08:15	0
10.3 0.004						
P09B001039	JUNCTION	0.15	59.66	188	16:41	4.33
2.1e+03 0.001						
P09B001051	JUNCTION	0.00	0.09	0	00:02	0
21.2 0.000						
P09B001078a	JUNCTION	0.00	1.36	201	08:33	0
10.3 5.690						
P09B001078b	JUNCTION	0.00	1.36	201	08:33	0
9.71 -5.350						
P09B001083	JUNCTION	0.04	0.04	0	00:00	9.44
9.44 0.000						
P09B001098	JUNCTION	0.00	0.09	0	00:04	0
21.2 0.000						
P09B001118	JUNCTION	0.00	58.76	163	09:43	0
2.1e+03 0.003						
P09B019193	JUNCTION	0.00	68.78	201	08:59	0
33.6 0.047						
P09B019195	JUNCTION	0.00	1.33	201	08:56	0
0.049 4.511						
P09B019196	JUNCTION	0.00	2.13	201	08:11	0
0.177 -0.337						
P09B019197	JUNCTION	0.00	89.62	201	08:59	0
509 0.003						
P09B019198	JUNCTION	0.00	14.13	201	08:16	0
4.49 0.026						
P09B019199	JUNCTION	0.00	84.45	201	08:56	0
432 0.021						
P09B019200	JUNCTION	0.00	15.77	163	09:21	0
436 -0.117						
P09B019202a	JUNCTION	0.00	15.77	163	09:31	0
90.1 -0.521						
P09B019203	JUNCTION	0.00	32.26	201	12:52	0
1.48e+03 0.000						
P09B019207	JUNCTION	0.00	38.06	201	12:54	0
1.57e+03 -0.001						
P09B019208	JUNCTION	0.00	64.43	163	09:31	0
2.1e+03 -0.718						
P09B019210	JUNCTION	0.00	39.14	163	09:26	0
529 0.000						
P09B019212	JUNCTION	0.00	39.14	163	09:27	0
529 -0.001						
P09B019214	JUNCTION	0.00	148.80	201	09:00	0
13.1 -0.010						
P09B019216	JUNCTION	0.00	148.11	201	09:00	0
13.1 -0.003						
P09B019217	JUNCTION	0.00	149.62	201	09:00	0
13.1 -0.007						
P09B019219	JUNCTION	0.00	1.73	201	08:55	0
0.00876 0.227						
P09B019222	JUNCTION	0.00	147.49	201	09:01	0
13.1 -0.001						
P09B019727	JUNCTION	0.00	39.14	163	09:26	0
529 -0.002						

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P09B020765	JUNCTION	0.06	1.36	201	08:34	1.72
12 -0.009						
P09B020767	JUNCTION	0.00	1.36	201	08:34	0
12 -0.009						
P09B020768	JUNCTION	0.00	1.36	201	08:33	0
12 0.001						
P09B020772	JUNCTION	0.00	59.14	163	09:46	0
2.11e+03 -0.006						
P09B020773	JUNCTION	0.00	2.04	138	11:12	0
12.1 0.005						
P09B020882	JUNCTION	0.00	0.91	201	09:04	0
0.0146 -0.010						
P09B020883	JUNCTION	0.00	0.91	201	09:04	0
0.0146 -0.128						
P09B020884	JUNCTION	0.00	0.91	201	09:04	0
0.0146 0.100						
P09B020886	JUNCTION	0.00	0.91	201	09:05	0
0.0146 -0.014						
P09C001119	JUNCTION	0.05	59.18	163	09:46	1.41
2.14e+03 0.001						
P09C001146A	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09C001146B	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09C001146C	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09C001146D	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09C001154	JUNCTION	0.00	0.41	201	08:25	0
9.44 0.000						
P09C001185	JUNCTION	0.14	58.36	163	09:45	4.05
2.15e+03 -0.032						
P09C001215	JUNCTION	0.11	0.11	0	00:00	25.9
25.9 0.000						
P09C001239	JUNCTION	0.00	0.83	344	14:53	0
26 0.000						
P09C001241	JUNCTION	0.00	0.79	201	08:24	0
25.9 0.000						
P09C001247	JUNCTION	0.01	58.26	188	20:34	0.212
2.18e+03 -0.018						
P09C001280	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09C001283	JUNCTION	0.00	0.29	163	09:52	0
2.36 0.000						
P09C001305	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09C001315	JUNCTION	0.00	61.18	278	00:25	0.0706
2.17e+03 0.007						
P09C001343	JUNCTION	0.00	56.86	188	20:36	0
2.17e+03 0.001						
P09C001399	JUNCTION	0.01	57.95	188	20:35	0.329
2.17e+03 -0.010						
P09C001461	JUNCTION	0.00	59.40	188	20:35	0
2.18e+03 -0.015						
P09C021287	JUNCTION	0.00	2.09	201	08:20	0
2.4 0.000						
P09D000577	JUNCTION	0.00	0.01	0	00:02	0
2.36 0.000						
P09D000589	JUNCTION	0.00	28.89	201	08:58	0
11.5 0.014						
P09D000620	JUNCTION	0.02	58.60	201	08:24	0.541
2.18e+03 -0.001						

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P09D000622	JUNCTION	0.00	28.89	201	08:59	0
11.5 -0.039						
P09D001120	JUNCTION	0.00	0.01	156	21:49	0
2.36 0.000						
P09D001155	JUNCTION	0.00	0.01	0	00:08	0
2.36 0.000						
P09D001193	JUNCTION	0.00	0.01	0	00:09	0
2.36 0.000						
P09D001244	JUNCTION	0.00	0.01	0	00:32	0
2.36 0.000						
P09D001270	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09D001278A	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09D001300	JUNCTION	7.18	7.18	201	09:00	9.38
9.38 -0.010						
P09D001316	JUNCTION	0.00	0.62	201	08:04	0
0.00356 0.442						
P09D001322	JUNCTION	11.74	11.91	201	08:06	4.69
4.7 -0.030						
P09D001324	JUNCTION	0.00	0.78	201	08:04	0
0.0126 0.145						
P09D001335	JUNCTION	0.00	11.94	201	08:07	0
4.7 0.273						
P09D001372	JUNCTION	0.00	7.18	201	09:01	0
9.38 0.010						
P09D001383	JUNCTION	0.00	11.85	201	08:07	0
4.68 0.033						
P09D001389AA	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09D001389B	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P09D001396	JUNCTION	0.02	7.20	201	09:02	0.612
9.99 0.069						
P09D001421	JUNCTION	0.00	11.84	201	08:08	0
4.68 -0.023						
P09D001462	JUNCTION	0.00	11.83	201	08:08	0
4.8 0.045						
P09D001466	JUNCTION	0.00	11.82	201	08:08	0
4.8 -0.064						
P09D001573	JUNCTION	0.24	0.61	201	08:09	0.181
0.182 1.209						
P09D001581	JUNCTION	0.01	58.62	201	08:24	0.188
2.18e+03 -0.009						
P09D001620	JUNCTION	28.65	28.89	201	08:58	11.3
11.5 -0.000						
P10A000251	JUNCTION	0.00	37.04	201	08:46	0
18.2 0.008						
P10A000278A	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P10A000278B	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P10A000278C	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P10A000278E	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
P10A000342	JUNCTION	0.17	26.13	201	09:00	39.1
1.01e+03 0.002						
P10A000344	JUNCTION	0.00	37.04	201	08:47	0
18.2 0.000						
P10A000351	JUNCTION	0.00	37.04	201	08:46	0
18.2 0.021						

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P10A000354	JUNCTION	0.00	37.10	201	09:01	0
18.2 0.103						
P10A000356	JUNCTION	0.00	37.04	201	08:47	0
18.2 0.123						
P10A000358	JUNCTION	0.00	37.04	201	08:47	0
18.2 -0.002						
P10A000368	JUNCTION	0.00	26.13	201	09:00	0
1.01e+03 0.003						
P10A000412	JUNCTION	0.00	26.13	201	09:00	0
1.01e+03 0.000						
P10A000452	JUNCTION	0.00	26.13	201	09:00	0.047
1.01e+03 0.012						
P10A000693	JUNCTION	0.00	38.43	163	09:18	0
19.5 -0.235						
P10A000750	JUNCTION	0.42	26.39	201	09:00	32.2
1.04e+03 0.002						
P10A000809	JUNCTION	0.00	34.80	163	09:31	0
81.8 -2.004						
P10A000843	JUNCTION	0.00	32.12	201	12:53	0
1.48e+03 -0.005						
P10A019204	JUNCTION	0.00	32.25	201	12:54	0
1.48e+03 0.001						
P10A019215	JUNCTION	0.00	163.18	201	09:01	0
13.1 -0.050						
P10A019221	JUNCTION	0.00	148.29	201	09:01	0
13.1 -0.011						
P16A000688	JUNCTION	0.00	28.79	201	08:48	0
11.6 0.452						
P16A001638	JUNCTION	0.01	58.71	201	08:24	0.188
2.18e+03 0.001						
P16A001641	JUNCTION	0.00	245.11	201	09:00	0
865 0.001						
P16A001669	JUNCTION	0.00	26.12	260	02:42	0
820 0.000						
P16A001675	JUNCTION	0.00	26.14	260	02:43	0
820 -0.000						
P16A001677	JUNCTION	0.00	26.76	163	09:38	0
824 0.000						
P16A001695	JUNCTION	0.00	58.79	201	08:24	0.047
2.18e+03 0.001						
P16A001696	JUNCTION	0.00	26.74	163	09:38	0
817 -0.000						
P16A001733	JUNCTION	0.00	26.74	163	09:38	0
817 -0.001						
P16A001733a	JUNCTION	0.00	26.77	163	09:38	0
817 0.006						
P16A001750	JUNCTION	0.00	58.86	201	08:24	0
2.18e+03 0.002						
P16A001798	JUNCTION	0.00	76.45	163	09:51	0
3.48e+03 0.002						
P16A001910	JUNCTION	0.00	74.05	163	09:51	0.0706
3.48e+03 0.007						
P16A002632B	JUNCTION	0.00	263.15	201	09:00	0
59.8 0.004						
P17A001783	JUNCTION	10.33	10.33	201	09:00	5.07
5.07 -0.047						
P17A001824	JUNCTION	10.33	20.65	201	09:00	5.07
10.1 0.026						
P17A001889	JUNCTION	12.88	33.53	201	09:00	145
155 0.000						
P17A001940	JUNCTION	17.29	17.29	201	09:00	8.32
8.32 -0.002						

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P17A001956	JUNCTION	10.33	43.65	201	08:56	5.07
160 0.001						
P17A001973	JUNCTION	0.00	17.29	201	09:00	0
8.32 -0.000						
P17A001991	JUNCTION	12.25	55.88	201	09:00	5.97
166 -0.000						
P17A001997	JUNCTION	0.00	17.29	201	09:00	0
8.32 -0.004						
P17A002037	JUNCTION	0.00	17.29	201	09:00	0
8.33 -0.004						
P17A002050	JUNCTION	0.00	55.79	201	09:00	0
166 0.001						
P17B000669	JUNCTION	0.00	245.10	201	09:00	0
865 0.000						
P17B000678	JUNCTION	1.22	1.22	201	09:00	0.448
0.448 -0.021						
P17B000680	JUNCTION	0.00	1.22	201	09:00	0
0.448 -0.003						
P17B000682	JUNCTION	0.00	1.22	201	09:00	0
0.448 -0.006						
P17B000683	JUNCTION	0.00	1.88	201	09:05	0
0.448 0.126						
P17B000684	JUNCTION	0.00	1.22	201	09:00	0
0.448 -0.001						
P17B001699	JUNCTION	0.00	4.35	201	09:00	0
1.96 0.003						
P17B001705	JUNCTION	3.48	7.80	201	08:58	1.7
3.67 -0.011						
P17B001720	JUNCTION	0.00	4.35	201	09:00	0
1.96 0.004						
P17B001748	JUNCTION	18.33	26.13	201	08:56	8.96
12.6 0.002						
P17B001758	JUNCTION	0.00	26.13	201	08:56	0
12.6 -0.017						
P17B001791	JUNCTION	0.00	26.13	201	08:59	0
12.6 0.008						
P17B001830	JUNCTION	0.00	26.13	201	08:57	0
12.6 -0.001						
P17B001863	JUNCTION	10.20	10.20	201	09:00	4.98
4.98 -0.052						
P17B001882	JUNCTION	0.00	26.13	201	08:57	0
12.6 0.006						
P17B001906	JUNCTION	0.00	26.13	201	08:58	0
12.6 0.002						
P17B001907	JUNCTION	0.00	10.20	201	09:00	0
4.98 -0.042						
P17B001919	JUNCTION	0.00	26.13	201	08:58	0
12.6 0.002						
P17B001934	JUNCTION	0.00	36.32	201	08:58	0
17.6 0.076						
P17B001953	JUNCTION	1.15	71.94	163	09:53	32.3
3.51e+03 0.005						
P17B001958	JUNCTION	15.23	15.23	201	09:00	7.43
7.43 -0.002						
P17B001964	JUNCTION	0.00	15.23	201	09:00	0
7.43 -0.011						
P17B001986	JUNCTION	8.02	8.02	201	09:00	3.89
3.89 0.003						
P17B001990	JUNCTION	21.24	72.80	201	09:00	34.6
59.6 -0.013						
P17B002018	JUNCTION	0.00	70.24	163	09:54	0
3.51e+03 -0.006						

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P17B002034	JUNCTION	0.00	80.64	201	09:00	0
63.5 0.004						
P17B002039B	JUNCTION	0.00	74.68	201	09:00	0
13.9 -0.003						
P17B002039D	JUNCTION	0.00	74.67	201	09:00	0
13.9 0.000						
P17B002039E	JUNCTION	0.00	74.67	201	09:01	0
13.9 0.007						
P17B002041	JUNCTION	0.00	6.07	163	09:07	0
49.6 0.001						
P17C002064	JUNCTION	0.00	5.99	163	09:07	0
53.8 -0.001						
P17C002075	JUNCTION	0.07	5.98	201	08:56	2.07
55.8 0.000						
P17C002084	JUNCTION	0.00	5.98	201	08:56	0
55.8 0.001						
P17C002088	JUNCTION	0.00	68.93	201	08:25	0
3.51e+03 -0.009						
P17C002117	JUNCTION	0.00	74.66	201	09:01	0
13.9 0.013						
P17C002118	JUNCTION	0.00	68.01	201	08:25	0
3.51e+03 0.000						
P17C002118a	JUNCTION	0.00	67.97	201	08:25	0
3.51e+03 0.001						
P17C002123	JUNCTION	0.00	74.10	201	08:27	0
3.56e+03 0.004						
P17C002145	JUNCTION	0.63	75.57	201	08:27	17.7
3.58e+03 0.001						
P17C002184	JUNCTION	0.01	72.98	201	09:02	0.188
3.58e+03 0.003						
P17C002222	JUNCTION	0.00	72.66	201	09:03	0
3.58e+03 0.000						
P17D002067	JUNCTION	0.00	17.29	201	09:00	0
8.33 0.007						
P17D002086	JUNCTION	0.00	17.29	201	09:00	0
8.32 0.019						
P17D002092	JUNCTION	0.00	66.06	201	08:58	0
171 -0.000						
P17D002097	JUNCTION	10.33	66.06	201	09:00	5.07
171 0.000						
P17D002108	JUNCTION	0.00	83.34	201	08:58	0
179 -0.000						
P17D002119	JUNCTION	3.10	86.44	201	08:58	1.5
181 -0.000						
P17D002143	JUNCTION	0.00	24.48	201	08:56	0
18.9 0.012						
P17D002148	JUNCTION	0.00	86.45	201	08:59	0
181 0.001						
P17D002158	JUNCTION	0.00	131.35	201	09:00	0
33.7 -0.021						
P17D002158A	JUNCTION	0.00	130.95	201	09:00	0
33.7 -0.016						
P17D002158B	JUNCTION	0.00	130.94	201	09:00	0
33.7 -0.000						
P17D002158C	JUNCTION	0.00	130.95	201	09:01	0
33.7 0.070						
P17D002182	JUNCTION	0.00	10.83	201	09:00	0
193 0.002						
P17D002186	JUNCTION	0.00	30.90	201	09:01	0
27.2 -0.004						
P17D002212	JUNCTION	0.00	10.83	201	09:00	0
193 0.000						

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P17D002217	JUNCTION	0.00	10.83	201	09:00	0
193 0.000						
P17D002240	JUNCTION	0.00	30.98	201	09:00	0
27.2 0.003						
P17D002248	JUNCTION	0.00	10.83	201	09:00	0
193 0.001						
P17D002255	JUNCTION	4.27	31.02	201	09:00	14.1
27.2 -0.012						
P17D002270	JUNCTION	0.00	218.11	201	09:28	0
5.11e+03 -0.043						
P17D002270a	JUNCTION	0.00	130.92	201	09:01	0
33.7 -0.005						
P17D002270b	JUNCTION	0.00	130.92	201	09:01	0
33.7 0.002						
P17D002274	JUNCTION	0.00	283.40	201	09:07	0
5.31e+03 0.061						
P17D002284	JUNCTION	15.10	26.75	201	09:00	7.34
13.1 0.012						
P17D002312	JUNCTION	0.00	104.74	201	09:04	0
3.77e+03 -2.839						
P17D002365	JUNCTION	0.00	95.06	201	09:07	0
3.88e+03 0.006						
P17D002411	JUNCTION	0.03	93.57	201	09:05	0.917
3.89e+03 0.004						
P18A001822	JUNCTION	0.47	0.47	201	09:00	24.7
24.7 -0.002						
P18A001827	JUNCTION	17.94	84.20	201	09:00	8.97
377 0.001						
P18A001873	JUNCTION	1.42	1.85	201	09:00	0.685
25.4 0.002						
P18A001887_019-07FT	JUNCTION	0.00	1.85	201	09:00	0
25.4 0.005						
P18A001915	JUNCTION	2.19	4.04	201	09:00	1.1
26.5 0.002						
P18A001969	JUNCTION	0.00	4.04	201	09:00	0
26.5 0.000						
P18A001992	JUNCTION	0.00	1.29	201	09:21	0
29.2 -0.001						
P18A001993	JUNCTION	0.00	1.29	201	09:25	0
29.2 0.003						
P18A001994	JUNCTION	4.05	5.18	201	09:05	72.1
101 0.000						
P18A001995	JUNCTION	8.00	16.93	201	09:00	4.01
132 0.001						
P18A001996	JUNCTION	0.00	5.17	201	09:05	0
101 0.001						
P18A002000	JUNCTION	0.00	16.87	201	09:00	0
132 0.001						
P18A002006	JUNCTION	0.00	100.64	201	09:00	0
508 0.000						
P18B000673	JUNCTION	0.00	67.33	201	09:01	0
368 0.001						
P18B001651	JUNCTION	0.00	67.29	201	09:01	0
368 0.000						
P18B001729	JUNCTION	0.00	67.30	201	09:02	0
368 0.000						
P18B001767	JUNCTION	0.00	67.26	201	09:03	0
368 0.001						
P18C002310	JUNCTION	4.22	11.70	201	09:00	2.06
5.73 -0.026						
P18C002353	JUNCTION	7.49	7.49	201	09:00	3.67
3.67 -0.007						

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P18C002392	JUNCTION	0.00	148.07	201	08:59	0
537 0.001						
P18C002393	JUNCTION	0.00	159.05	201	08:59	0
537 0.000						
P18C002395	JUNCTION	0.00	144.54	201	08:59	0
537 0.000						
P18C002396	JUNCTION	16.91	173.80	201	08:58	8.47
537 -0.000						
P18C002397	JUNCTION	0.00	143.90	201	09:00	0
537 0.000						
P18C002410	JUNCTION	0.00	156.63	201	09:00	0
544 0.005						
P18D002169	JUNCTION	12.39	112.59	201	09:00	6.2
515 -0.000						
P18D002313	JUNCTION	0.00	112.04	201	09:01	0
515 0.003						
P18D002388	JUNCTION	3.48	125.01	201	08:59	1.73
516 0.003						
P18D002394	JUNCTION	0.00	203.47	201	09:00	0
529 -0.000						
P18D002408	JUNCTION	6.66	6.66	201	09:00	10.9
10.9 0.000						
P18D002409	JUNCTION	0.00	9.36	201	09:00	0
12.3 0.006						
P19A001837	JUNCTION	2.71	2.71	201	08:20	1.36
1.36 -0.091						
P19A002497	JUNCTION	13.16	13.16	201	08:50	6.59
6.59 -0.148						
P19B001847	JUNCTION	0.00	23.53	201	08:59	0
530 -0.000						
P19B002413	JUNCTION	0.00	157.14	201	09:00	0
544 -0.001						
P19B002414	JUNCTION	0.00	13.16	201	08:55	0
6.6 0.070						
P19B002415	JUNCTION	0.00	311.04	201	09:00	0
544 -0.008						
P19B002431	JUNCTION	0.00	13.16	201	08:53	0
6.59 -0.072						
P19B002435	JUNCTION	0.00	13.16	201	08:53	0
6.59 0.019						
P19B002440	JUNCTION	0.00	23.46	201	09:01	0
530 -0.000						
P19B002440a	JUNCTION	0.00	23.47	201	08:57	0
530 -0.001						
P19B002444	JUNCTION	0.00	164.50	201	08:58	0
30.7 -0.035						
P19B002445	JUNCTION	0.00	163.79	201	08:58	0
30.7 -0.009						
P19B002451	JUNCTION	0.00	13.16	201	08:52	0
6.59 -0.026						
P19B002464	JUNCTION	0.00	163.67	201	08:59	0
30.7 0.009						
P19B002465	JUNCTION	0.00	13.33	201	08:06	0
6.6 0.143						
P19B002467	JUNCTION	0.00	163.50	201	08:59	0
30.7 -0.005						
P19B002469	JUNCTION	0.00	163.42	201	08:59	0
30.7 -0.053						
P19B002473	JUNCTION	0.24	23.51	201	09:01	6.59
536 0.000						
P19B002474	JUNCTION	0.00	23.49	201	09:01	0
536 0.001						

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P20A002417		JUNCTION	0.02	91.50	201	09:10	0.682
3.89e+03	0.001						
P20A002439		JUNCTION	0.00	85.25	201	09:15	0
3.89e+03	0.000						
P20A002448		JUNCTION	0.00	84.82	201	09:15	0
3.89e+03	0.000						
P20A002450		JUNCTION	0.00	84.80	201	09:16	0.118
3.89e+03	0.000						
P20A002461		JUNCTION	0.00	84.72	201	09:16	0
3.89e+03	0.000						
P20A002466		JUNCTION	0.00	84.48	201	09:16	0
3.89e+03	0.000						
P20A002471		JUNCTION	0.00	162.98	201	09:00	0
30.7	-0.356						
P20A002471A		JUNCTION	0.00	162.68	201	09:01	0
30.8	0.013						
P20A002475		JUNCTION	0.00	23.36	201	09:01	0
536	0.001						
P20A002476		JUNCTION	0.00	23.40	201	09:04	0
536	0.017						
P20A002500		JUNCTION	0.00	4.35	201	13:16	0
0.0446	0.029						
P20A002502		JUNCTION	0.00	4.35	201	13:16	0
0.0446	0.008						
PL9		JUNCTION	0.00	106.84	201	09:07	0
4.42e+03	-0.002						
R09B019188		JUNCTION	0.00	68.92	201	09:01	0
427	0.000						
R09B019191		JUNCTION	0.00	9.03	201	08:50	0
4.44	-0.021						
R26A009631		JUNCTION	0.00	11.71	201	09:11	0
121	0.000						
R26A009636		JUNCTION	0.00	11.59	201	09:12	0
121	0.000						
R26A009639		JUNCTION	0.00	11.59	201	09:12	0
121	0.000						
R26A009666		JUNCTION	0.00	11.59	201	09:12	0
121	0.000						
R26A009687		JUNCTION	0.00	11.59	201	09:12	0
121	0.000						
R26A009710		JUNCTION	0.00	11.59	201	09:12	0
121	0.000						
R26A009719		JUNCTION	0.00	11.59	201	09:12	0
121	0.000						
R26B009601		JUNCTION	0.08	0.08	201	10:00	0.225
0.225	-0.016						
R26B009649		JUNCTION	0.08	0.16	201	10:05	0.225
0.451	0.001						
R26B009686		JUNCTION	0.08	0.24	201	10:05	0.225
0.676	-0.010						
R26B009722		JUNCTION	0.08	0.33	201	10:05	0.225
0.902	-0.003						
R26B009745		JUNCTION	0.08	0.41	201	10:05	0.225
1.13	0.001						
R26B009784		JUNCTION	0.08	0.49	201	10:05	0.225
1.35	-0.030						
R26B009829		JUNCTION	0.08	0.57	201	10:05	0.225
1.58	0.035						
R26C0010000		JUNCTION	0.08	0.81	201	10:05	0.225
2.25	0.001						
R26C009890		JUNCTION	0.08	0.65	201	10:05	0.225
1.8	-0.002						

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R26C009940	JUNCTION	0.08	0.73	201	10:05	0.225
2.03 -0.000						
R26C010039	JUNCTION	0.08	0.89	201	10:05	0.225
2.48 0.002						
R26C010072	JUNCTION	0.08	0.98	201	10:05	0.225
2.71 -0.006						
R26C010109	JUNCTION	0.08	1.06	201	10:05	0.225
2.93 0.004						
R26C010147	JUNCTION	0.57	0.57	201	09:45	19.9
19.9 0.000						
R26C010149	JUNCTION	0.00	2.06	201	10:02	0
122 -0.000						
R26C010152	JUNCTION	0.00	2.06	201	10:02	0
122 0.004						
R26C010154	JUNCTION	0.58	1.51	201	10:01	99.3
102 0.000						
R26D010137	JUNCTION	0.00	18.40	201	10:11	0
215 0.000						
R26D010148	JUNCTION	0.00	18.40	201	10:11	0
215 0.000						
R26D010175	JUNCTION	0.00	18.40	201	10:11	0
215 0.000						
R26D010186	JUNCTION	0.00	5.78	201	10:12	0
0.202 -0.006						
R26D010219	JUNCTION	0.00	5.78	201	10:12	0
0.202 0.001						
R26D010220	JUNCTION	0.00	12.98	201	09:09	0
215 0.000						
R27B009543	JUNCTION	0.00	11.64	201	09:05	0
121 -0.007						
R27B009549	JUNCTION	0.00	11.63	201	09:05	0
121 0.000						
R27B009572	JUNCTION	0.00	11.61	201	09:06	0
121 0.000						
R27B009598	JUNCTION	0.00	11.59	201	09:10	0
121 0.000						
R27B009613	JUNCTION	0.00	11.59	201	09:10	0
121 0.000						
R27B009617	JUNCTION	0.00	11.59	201	09:10	0
121 0.000						
R27B009743	JUNCTION	0.00	11.57	201	09:16	0
121 0.001						
R27B009779	JUNCTION	0.00	11.57	201	09:17	0
121 0.000						
R27B009813	JUNCTION	0.00	11.57	201	09:17	0
121 0.000						
R27B009820	JUNCTION	0.00	11.57	201	09:17	0
121 0.000						
R27C009857	JUNCTION	0.00	11.57	201	09:17	0
121 0.000						
R27C009862	JUNCTION	0.00	11.57	201	09:17	0
121 0.000						
R27C009909	JUNCTION	0.00	11.56	201	09:18	0
121 0.001						
R27C009928	JUNCTION	0.00	11.55	201	09:19	0
121 0.001						
R27C009947	JUNCTION	0.00	8.31	201	10:20	0
93.9 0.002						
R27C009948	JUNCTION	0.00	10.80	201	10:20	0
93.9 -0.003						
R27C009949	JUNCTION	0.00	8.08	201	10:40	0
93.9 0.001						

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R27C009953	JUNCTION	0.00	8.08	201	10:41	0
93.9 0.001						
R27C009955	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
R27C009956	JUNCTION	0.00	2.60	201	10:46	0
92.2 0.000						
R27C009957	JUNCTION	0.00	8.07	201	10:46	0
93.9 0.000						
R27C009957b	JUNCTION	0.00	8.07	201	10:47	0
93.9 -0.000						
R27C009960	JUNCTION	0.00	11.54	201	09:20	0
121 0.001						
R27C009996	JUNCTION	0.00	11.54	201	09:21	0
121 0.001						
R27C010014	JUNCTION	0.00	11.54	201	09:22	0
121 0.000						
R27C010016	JUNCTION	0.00	18.43	201	10:09	0
215 0.000						
R27C010040	JUNCTION	0.00	18.43	201	10:10	0
215 0.001						
R27C010083	JUNCTION	0.00	18.42	201	10:11	0
215 0.001						
R27D009959	JUNCTION	8.09	8.09	201	10:35	93.9
93.9 0.000						
R27D009961	JUNCTION	0.00	8.14	201	10:30	0
93.9 0.003						
R33A006630	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
R33B010423	JUNCTION	0.26	0.26	201	09:00	0.126
0.126 -0.063						
R33B010443	JUNCTION	1.16	1.16	201	09:00	0.565
0.565 -0.002						
R33B010450	JUNCTION	0.00	0.26	201	09:00	0
0.126 0.030						
R33B010472	JUNCTION	0.00	0.26	201	09:00	0
0.126 -0.049						
R33B010479	JUNCTION	0.00	1.16	201	09:00	0
0.565 -0.062						
R33B010482	JUNCTION	4.70	4.70	201	09:00	1.35
1.35 -0.001						
R33B010483	JUNCTION	0.00	7.05	201	10:02	0
102 0.001						
R33B010484	JUNCTION	0.00	6.72	201	10:02	0
101 0.001						
R33B010485	JUNCTION	6.65	6.65	201	10:00	101
101 0.001						
R33B010507	JUNCTION	0.00	7.30	201	10:03	0
102 0.000						
R33B010508	JUNCTION	0.00	7.30	201	10:02	0
102 0.000						
R33B010509	JUNCTION	0.00	7.31	201	10:02	0
102 0.002						
R33B010511	JUNCTION	0.00	1.03	201	09:00	0
0.503 -0.088						
R33B010512	JUNCTION	1.03	1.03	201	09:00	0.503
0.503 -0.034						
R33B010515	JUNCTION	15.93	24.56	201	10:00	237
341 0.001						
R33B010535	JUNCTION	0.00	26.56	201	10:00	0
343 0.000						
R33B010536	JUNCTION	3.61	3.61	201	09:00	1.79
1.79 -0.001						

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R33B019450	JUNCTION	0.00	1.16	201	09:00	0
0.566 0.067						
R33C006678	JUNCTION	0.00	26.55	201	10:01	0
343 0.000						
R33C006974	JUNCTION	0.00	45.45	201	09:03	0
354 0.001						
R33C007196	JUNCTION	0.00	6.48	201	09:00	0
3.11 0.001						
R33C010609	JUNCTION	0.00	28.31	201	10:01	0
344 0.000						
R33C010610	JUNCTION	3.36	3.36	201	09:00	1.65
1.65 -0.001						
R33C010627	JUNCTION	2.97	29.98	201	10:00	1.47
346 0.001						
R33C010652	JUNCTION	0.00	40.52	201	09:03	0
351 0.001						
R33C010653	JUNCTION	0.00	10.84	201	09:00	0
5.33 0.028						
R33C010654	JUNCTION	0.00	10.84	201	09:00	0
5.33 0.007						
R33C010655	JUNCTION	0.00	10.84	201	09:00	0
5.33 -0.000						
R33C010656	JUNCTION	0.00	10.84	201	09:00	0
5.33 -0.010						
R33C010657	JUNCTION	0.00	10.84	201	09:00	0
5.33 -0.001						
R33C010660	JUNCTION	10.84	10.84	201	09:00	5.33
5.33 -0.023						
R33C010724	JUNCTION	0.00	5.55	201	09:00	0
2.78 -0.055						
R33C010727	JUNCTION	5.55	5.55	201	09:00	2.78
2.78 0.002						
R33C010805	JUNCTION	0.00	6.20	201	09:00	0
3.11 -0.001						
R33C010806	JUNCTION	0.00	6.20	201	09:00	0
3.11 0.021						
R33C010807	JUNCTION	0.00	6.20	201	09:00	0
3.11 0.008						
R33C010808	JUNCTION	0.00	6.20	201	09:00	0
3.11 0.002						
R33C010811	JUNCTION	6.20	6.20	201	09:00	3.11
3.11 -0.007						
R33D006698	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
R33D006805	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
R33D006887	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
R33D006973	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
R33D006982	JUNCTION	0.00	45.36	201	09:04	0
354 0.001						
R33D007082	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
R33D007083	JUNCTION	0.00	45.25	201	09:04	0
354 0.001						
R33D007183	JUNCTION	0.00	0.19	201	09:03	0
0.00145 0.050						
R33D007189	JUNCTION	0.00	50.57	201	09:05	0
357 0.001						
R33D007193	JUNCTION	0.00	50.60	201	09:04	0
357 0.000						

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R33D007194	JUNCTION	0.00	50.60	201	09:03	0
357 0.000						
R33D007202	JUNCTION	0.00	50.56	201	09:06	0
357 0.000						
R33D020934	JUNCTION	0.00	50.60	201	09:04	0
357 0.000						
R34A010366	JUNCTION	4.76	4.76	201	09:00	2.27
2.27 -0.002						
R34A010398	JUNCTION	0.00	4.76	201	09:00	0
2.27 -0.003						
R34A010413	JUNCTION	0.00	4.76	201	09:00	0
2.27 -0.005						
R34A010416	JUNCTION	0.00	4.76	201	09:00	0
2.27 0.010						
R34A010421	JUNCTION	0.00	4.76	201	09:00	0
2.27 -0.004						
R34A010461	JUNCTION	0.00	6.82	201	09:00	0
93.9 0.001						
R34A010493	JUNCTION	0.00	6.78	201	09:01	0
93.9 0.000						
R34A010503	JUNCTION	0.00	6.78	201	09:02	0
93.9 0.000						
R34A010518	JUNCTION	0.00	6.74	201	09:02	0
93.9 0.000						
R34A020821	JUNCTION	0.00	6.72	201	09:03	0
93.9 0.000						
R34A020822	JUNCTION	0.00	6.78	201	09:02	0
93.9 0.000						
R34A020823	JUNCTION	4.24	6.82	201	09:00	91.6
93.9 0.000						
R34D010550	JUNCTION	0.00	6.71	201	09:04	0
93.9 -0.000						
R34D010600	JUNCTION	16.04	16.04	201	09:00	7.83
7.83 -0.075						
R34D010604	JUNCTION	0.00	6.71	201	09:04	0
93.9 0.000						
R34D010637	JUNCTION	2.73	17.19	201	09:00	6.43
14.3 0.032						
R34D010641	JUNCTION	0.00	6.69	201	09:04	0
93.9 0.000						
R34D010661	JUNCTION	0.00	17.17	201	09:00	0
14.3 -0.003						
R34D010678	JUNCTION	0.00	17.55	201	09:01	0
14.3 0.028						
R34D010683	JUNCTION	0.00	6.66	201	09:06	0
93.9 0.001						
R34D010712	JUNCTION	17.10	33.90	201	09:00	8.32
22.6 -0.015						
R34D010720	JUNCTION	0.00	6.62	201	09:07	0
93.9 0.000						
R34D010752	JUNCTION	0.00	33.90	201	09:00	0
22.6 -0.008						
R34D010754	JUNCTION	2.73	35.04	201	09:00	6.43
29 0.001						
R34D010755	JUNCTION	0.00	34.96	201	09:01	0
29 0.013						
R34D010756	JUNCTION	6.72	41.49	201	09:00	3.28
32.3 -0.001						
R34D010759	JUNCTION	0.00	62.45	201	09:00	0
133 -0.001						
R34D010792	JUNCTION	2.73	63.55	201	09:00	6.43
140 0.001						

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R34D010803	JUNCTION	0.00	63.49	201	09:00	0
140 -0.000						
R35A010235	JUNCTION	0.00	5.77	201	10:12	0
0.202 0.001						
R35A010236	JUNCTION	0.00	12.71	201	09:08	0
215 0.000						
R35A010271	JUNCTION	0.00	5.77	201	10:12	0
0.202 0.007						
R35A010275	JUNCTION	0.00	12.62	201	10:12	0
215 0.000						
R35A010276	JUNCTION	0.00	5.77	201	10:12	0
0.202 -0.006						
R35A010283	JUNCTION	0.00	5.77	201	10:13	0
0.202 0.005						
R35A010285	JUNCTION	0.00	12.62	201	10:12	0
215 0.000						
R35A010303	JUNCTION	0.00	5.77	201	10:13	0
0.202 -0.007						
R35A010308	JUNCTION	0.00	12.62	201	10:12	0
215 0.000						
R35A010313	JUNCTION	0.00	5.77	201	10:13	0
0.202 -0.013						
R35A010322	JUNCTION	0.00	12.50	201	10:32	0
215 0.000						
R35A010331	JUNCTION	0.00	5.77	201	10:14	0
0.202 0.025						
R35A010346	JUNCTION	0.00	12.50	201	09:41	0
215 0.000						
R35A010351	JUNCTION	0.00	5.76	201	10:14	0
0.202 0.002						
R35A010353	JUNCTION	0.00	18.26	201	10:14	0
215 0.000						
R35A010356	JUNCTION	0.00	18.26	201	10:14	0
215 0.000						
R35A010363	JUNCTION	0.00	18.26	201	10:14	0
215 0.000						
R35A010371	JUNCTION	0.00	18.26	201	10:15	0
215 0.000						
R35A010374	JUNCTION	0.00	18.26	201	10:15	0
215 0.000						
R35A010401	JUNCTION	5.82	21.10	201	09:20	265
601 0.001						
R35A010430	JUNCTION	0.00	19.47	201	09:19	0
601 0.000						
R35A010453	JUNCTION	0.00	19.44	201	09:19	0
601 0.000						
R35A010474	JUNCTION	0.00	19.21	201	09:19	0
601 0.000						
R35A010505	JUNCTION	0.00	18.91	201	09:18	0
601 0.000						
R35A010530	JUNCTION	0.00	18.51	201	09:18	0
601 0.000						
R35D010565	JUNCTION	0.00	18.17	201	09:17	0
601 0.000						
R35D010605	JUNCTION	0.00	17.79	201	09:16	0
601 0.000						
R35D010624	JUNCTION	0.00	17.16	201	09:16	0
601 0.000						
R35D010651	JUNCTION	0.00	16.74	201	09:15	0
601 0.000						
R35D010674	JUNCTION	0.00	16.36	201	11:20	0
601 0.000						

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R35D010698	JUNCTION	0.00	16.36	201	11:20	0
601 0.000						
R35D010717	JUNCTION	0.00	16.36	201	11:20	0
601 0.000						
R35D010749	JUNCTION	0.00	16.35	201	11:20	0
601 0.000						
R35D010788	JUNCTION	0.00	16.36	201	11:18	0
601 0.000						
R35D021071	JUNCTION	0.00	16.35	201	11:20	0
601 0.000						
RFMagReducer	JUNCTION	0.00	106.34	201	09:20	0
4.42e+03 0.000						
SangerReg-Sanger	JUNCTION	0.00	88.29	201	08:59	0
181 -0.002						
SangerReg-WashE	JUNCTION	0.00	24.48	201	09:00	0
18.9 -0.000						
SangerReg-WashW	JUNCTION	0.00	31.26	201	09:02	0
197 0.003						
S-CstoreHB	JUNCTION	0.00	33.73	260	02:38	0
83.5 -6.425						
SouthDiversionMH	JUNCTION	0.00	0.25	163	09:07	0
4.13 0.000						
SouthDiversionOF	JUNCTION	0.00	74.68	201	09:00	0
13.9 -0.011						
SouthDiversionUpstream	JUNCTION	0.02	0.02	0	00:00	4.13
4.13 0.003						
SpringReg	JUNCTION	0.00	120.22	201	09:00	0
398 -0.012						
StateReg	JUNCTION	0.00	7.19	201	09:01	0
9.38 0.001						
StormJunction	JUNCTION	14.84	14.84	201	09:00	7.2
7.21 -0.003						
TF4	JUNCTION	0.00	45.00	163	09:28	0
81.3 -0.018						
WalnutReg	JUNCTION	0.00	0.01	132	12:38	0
2.36 0.000						
WalnutSewerCrossing1	JUNCTION	0.00	66.77	278	00:25	0
2.18e+03 0.251						
WalnutSewerCrossing2	JUNCTION	0.00	63.63	278	00:26	0
2.17e+03 0.241						
WaterOF	JUNCTION	0.00	34.87	201	08:58	0
14.6 0.001						
WWTPjunction	JUNCTION	0.00	185.76	201	12:30	0
8.33e+03 0.000						
001	OUTFALL	0.00	0.00	0	00:00	0
0 0.000 gal						
003	OUTFALL	0.00	132.53	201	09:00	0
13.1 0.000						
006A	OUTFALL	0.00	74.51	201	09:00	0
15.3 0.000						
006B	OUTFALL	0.00	45.21	201	09:00	0
2.02 0.000						
007-03-09-OVERLANDtoSTORMSEWER	OUTFALL	2.58	2.58	201	09:00	1.27
1.27 0.000						
007-03-12-OVERLANDtoSTORMSEWER	OUTFALL	2.19	2.19	201	09:00	1.08
1.08 0.000						
007-03-13-OVERLANDtoSTORMSEWER	OUTFALL	2.07	2.07	201	09:00	1.02
1.02 0.000						
007A	OUTFALL	0.00	147.52	201	09:01	0
13.1 0.000						
008	OUTFALL	0.00	0.00	0	00:00	0
0 0.000 gal						

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009		OUTFALL	0.00	0.91	201	09:07	0
0.0146	0.000						
010		OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal						
011		OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal						
013		OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal						
014		OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal						
016		OUTFALL	0.00	263.18	201	09:00	0
59.8	0.000						
016-03-01-OVERLANDtoRIVER		OUTFALL	7.10	7.10	201	08:55	2.57
2.57	0.000						
017		OUTFALL	0.00	74.66	201	09:01	0
13.9	0.000						
017-02-05-OVERLANDtoRIVER		OUTFALL	1.16	1.16	201	09:00	0.576
0.576	0.000						
017-02-07-OVERLANDtoRIVER		OUTFALL	0.90	0.90	201	09:00	0.447
0.447	0.000						
017-02-08-OVERLANDtoRIVER		OUTFALL	1.55	1.55	201	09:00	0.762
0.762	0.000						
018		OUTFALL	0.00	130.92	201	09:02	0
33.7	0.000						
018-04-01-OVERLANDtoRIVER		OUTFALL	0.52	0.52	201	09:00	0.255
0.255	0.000						
018-05-01-OVERLANDtoRIVER		OUTFALL	1.81	1.81	201	09:00	0.897
0.897	0.000						
018-05-02-OVERLANDtoRIVER		OUTFALL	3.74	3.74	201	09:00	1.85
1.85	0.000						
019		OUTFALL	0.00	162.67	201	09:01	0
30.8	0.000						
020		OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal						
WashingtonRoadOutfall		OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal						
WetWeatherTreatment		OUTFALL	0.00	4.35	201	13:16	0
0.0446	0.000						
WilcoxAve		OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal						
WWTP		OUTFALL	0.00	185.79	201	12:30	0
8.33e+03	0.000						
006-01LE_E-SWIRL		STORAGE	0.00	125.38	201	08:59	0
453	-0.015						
007-01LE_F-SWIRL		STORAGE	0.00	159.11	201	09:00	0
542	-0.006						
017-03FT_P17B002039		STORAGE	0.00	80.61	201	09:00	0
63.5	-0.006						
BypassPS		STORAGE	0.00	4.35	201	13:16	0
0.0446	0.000						
GritChamber		STORAGE	0.00	191.48	201	13:00	0
8.33e+03	0.000						
P04D008480		STORAGE	0.00	3.94	201	08:10	0
1.92	0.033						
P17B001657		STORAGE	3.10	4.35	201	08:36	1.52
1.96	-0.025						
RawSewagePS		STORAGE	0.00	190.88	201	13:00	0
8.33e+03	0.000						

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 Feet	Min. Depth Below Rim Feet
000-02LE_P16A001762	JUNCTION	8.56	1.449	3.491
000-03LE_P09B019209	JUNCTION	16.47	1.903	3.537
000-04LE_P10A019206	JUNCTION	38.72	2.306	4.644
000-05FT_P09C001302	JUNCTION	9.41	1.798	5.582
000-06FT_P03B010947	JUNCTION	3.82	7.060	5.290
000-07FT_R22C009535	JUNCTION	1.08	0.810	12.620
007-03FP_P09B000783	JUNCTION	0.98	0.423	3.627
007-04FT_P09B000789a	JUNCTION	29.57	3.009	8.711
016-01LE_P16A002632Ba	JUNCTION	0.63	2.774	8.726
017-04FT_P17C002116	JUNCTION	75.92	1.485	8.015
018-10FE_P17D002221	JUNCTION	0.51	0.042	14.888
019-03FT_P19B002463	JUNCTION	1.90	0.206	7.994
CarolineReg	JUNCTION	0.01	0.183	13.927
CC2	JUNCTION	8759.26	3.584	7.416
CedarSewerCrossing1	JUNCTION	0.86	3.741	4.089
CedarSewerCrossing2	JUNCTION	0.72	1.969	6.261
E-SWIRL-MH6	JUNCTION	181.71	8.992	1.858
E-SWIRL-MH6a	JUNCTION	137.41	4.069	6.581
F-SWIRL-MH3	JUNCTION	78.25	7.921	1.679
F-SWIRL-MH3a	JUNCTION	29.33	3.711	5.429
LibertySewerCrossing1	JUNCTION	31.96	2.025	3.375
P02A010849	JUNCTION	3.47	9.500	0.000
P02A010875	JUNCTION	3.56	7.329	0.071
P02A010886	JUNCTION	3.57	5.800	0.000
P03B010906	JUNCTION	3.68	6.100	4.710
P03B010920	JUNCTION	3.82	6.678	0.142
P03B010943	JUNCTION	3.80	7.020	0.000
P03B011036	JUNCTION	3.89	6.302	20.648
P03B011044	JUNCTION	3.89	6.309	18.171
P03B011076	JUNCTION	3.92	6.102	9.148
P03B011078	JUNCTION	3.91	6.030	10.040
P03C011151	JUNCTION	4.50	4.473	17.077
P03C011166	JUNCTION	6.07	4.183	16.567
P03C011195	JUNCTION	3.94	3.549	14.511
P03C011208	JUNCTION	44.43	13.247	0.000
P03C011253	JUNCTION	4.28	20.428	2.372
P03C011258	JUNCTION	53.49	9.430	0.000
P03C011277	JUNCTION	3.32	2.507	18.103
P03D011296	JUNCTION	4.02	2.925	20.275
P03D011320	JUNCTION	4.89	6.077	19.123
P03D011328	JUNCTION	75.78	12.580	0.000
P03D011351	JUNCTION	77.42	11.100	0.000
P03D011361	JUNCTION	5.42	8.331	16.069
P03D011368	JUNCTION	79.37	44.718	0.000
P03D011389	JUNCTION	84.04	52.972	0.000
P03D011401	JUNCTION	6.75	4.758	24.242
P03D011421	JUNCTION	6.65	4.828	23.272
P04D008404	JUNCTION	1.73	3.984	4.203
P04D008426	JUNCTION	2.58	5.569	3.551
P04D008432	JUNCTION	2.83	6.445	4.005
P04D008438	JUNCTION	2.77	5.661	3.849
P07D001542	JUNCTION	0.06	11.328	2.222
P07D001551	JUNCTION	1.13	4.129	7.204
P09B000504	JUNCTION	39.37	2.126	0.874

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P09B000515	JUNCTION	34.50	2.036	2.634
P09B000749a	JUNCTION	13.33	0.698	0.000
P09B000752	JUNCTION	26.40	1.322	10.278
P09B000789	JUNCTION	28.94	3.153	8.737
P09B000801	JUNCTION	150.13	3.760	5.350
P09B000874	JUNCTION	3.46	1.396	6.494
P09B000898	JUNCTION	22.35	2.049	3.571
P09B001029	JUNCTION	13.28	1.753	1.077
P09B001031	JUNCTION	1.92	3.392	11.048
P09B001039	JUNCTION	45.03	2.391	1.819
P09B001078a	JUNCTION	8.96	13.739	4.701
P09B001078b	JUNCTION	2.58	4.500	14.020
P09B001118	JUNCTION	37.40	2.087	2.013
P09B019200	JUNCTION	1235.39	4.157	4.403
P09B019202a	JUNCTION	1.87	1.158	7.282
P09B019203	JUNCTION	43.00	2.453	5.537
P09B019207	JUNCTION	8.51	1.702	2.578
P09B019208	JUNCTION	21.45	2.027	3.013
P09B019210	JUNCTION	111.10	4.108	4.902
P09B019212	JUNCTION	147.61	4.138	3.642
P09B019727	JUNCTION	56.53	3.715	8.655
P09B020765	JUNCTION	5.82	3.281	15.219
P09B020767	JUNCTION	19.65	2.620	13.210
P09B020768	JUNCTION	43.30	2.348	8.962
P09B020772	JUNCTION	31.87	2.026	4.274
P09B020773	JUNCTION	49.47	2.501	7.169
P09C001119	JUNCTION	0.58	0.562	3.558
P09C001185	JUNCTION	3.99	1.618	5.022
P09C001239	JUNCTION	1.93	1.133	6.167
P09C001247	JUNCTION	18.00	1.890	6.810
P09C001315	JUNCTION	20.07	1.908	8.892
P09C001343	JUNCTION	18.61	1.897	8.403
P09C001399	JUNCTION	18.91	1.911	6.889
P09C001461	JUNCTION	17.88	1.903	6.417
P09C021287	JUNCTION	1.83	3.304	7.396
P09D000620	JUNCTION	28.75	1.766	10.584
P09D001396	JUNCTION	0.82	3.042	8.858
P09D001581	JUNCTION	23.77	2.113	6.237
P10A000342	JUNCTION	11.84	3.632	5.468
P10A000368	JUNCTION	11.84	3.656	5.244
P10A000412	JUNCTION	13.40	3.572	1.128
P10A000452	JUNCTION	15.62	3.746	3.684
P10A000693	JUNCTION	0.98	2.525	6.124
P10A000750	JUNCTION	27.00	2.757	9.083
P10A000809	JUNCTION	112.08	88.687	0.000
P10A000843	JUNCTION	38.29	2.305	4.485
P10A019204	JUNCTION	43.59	2.456	4.544
P16A000688	JUNCTION	0.43	0.263	7.420
P16A001638	JUNCTION	24.61	1.701	9.649
P16A001669	JUNCTION	128.95	5.148	10.502
P16A001675	JUNCTION	125.92	4.661	10.889
P16A001677	JUNCTION	128.96	5.015	9.035
P16A001695	JUNCTION	21.72	1.652	12.598
P16A001696	JUNCTION	134.97	5.495	8.355
P16A001733	JUNCTION	156.65	6.528	7.422
P16A001733a	JUNCTION	1.22	0.377	13.573
P16A001750	JUNCTION	16.95	1.568	5.082
P16A001798	JUNCTION	3.99	1.275	4.325
P16A001910	JUNCTION	2.91	1.101	8.899
P16A002632B	JUNCTION	0.55	2.003	9.497
P17B000683	JUNCTION	0.86	5.451	7.949
P17B000684	JUNCTION	0.42	1.400	9.300

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P17B001699	JUNCTION	1.01	2.583	10.817
P17B001705	JUNCTION	0.67	0.090	12.910
P17B001720	JUNCTION	1.53	1.406	12.334
P17B001748	JUNCTION	0.84	0.356	14.544
P17B001953	JUNCTION	2.63	0.986	6.014
P17B002018	JUNCTION	2.44	0.888	4.612
P17B002041	JUNCTION	85.82	3.486	11.364
P17C002064	JUNCTION	92.57	4.485	8.965
P17C002075	JUNCTION	100.47	3.880	8.120
P17C002084	JUNCTION	41.02	2.800	9.850
P17C002088	JUNCTION	2.52	0.857	5.443
P17C002118a	JUNCTION	2.64	0.856	10.744
P17D002182	JUNCTION	49.24	7.726	14.004
P17D002212	JUNCTION	6.92	1.000	18.230
P17D002217	JUNCTION	0.83	0.290	15.640
P19B001847	JUNCTION	35.40	3.264	19.146
P19B002440	JUNCTION	72.11	2.811	10.689
P19B002440a	JUNCTION	1.25	0.739	12.761
R26A009636	JUNCTION	1.74	2.358	4.242
R26A009639	JUNCTION	1.20	1.787	4.773
R26A009666	JUNCTION	1.35	1.106	5.194
R26C010152	JUNCTION	8759.79	109.237	0.000
R26D010137	JUNCTION	1.16	2.381	20.319
R26D010220	JUNCTION	2.25	9.650	0.000
R27B009572	JUNCTION	0.78	3.254	3.496
R27B009613	JUNCTION	0.71	0.368	6.242
R27B009743	JUNCTION	0.87	6.600	0.000
R27D009959	JUNCTION	2.33	2.334	18.366
R34A020823	JUNCTION	0.23	1.115	7.805
R34D010678	JUNCTION	0.05	0.037	8.096
R34D010712	JUNCTION	0.73	0.638	11.895
R35A010236	JUNCTION	2.32	9.350	0.000
R35A010275	JUNCTION	2.37	9.650	0.000
R35A010285	JUNCTION	2.63	10.479	0.871
R35A010308	JUNCTION	2.85	9.550	0.000
R35A010322	JUNCTION	2.87	8.150	0.000
R35A010346	JUNCTION	2.43	7.700	0.000
R35A010371	JUNCTION	2.03	6.463	5.037
R35A010374	JUNCTION	2.09	2.300	0.000
R35A010401	JUNCTION	2.19	4.260	0.000
R35A010430	JUNCTION	2.38	4.537	2.613
R35A010453	JUNCTION	2.38	5.190	4.470
R35A010474	JUNCTION	2.42	6.560	0.000
R35A010505	JUNCTION	2.46	8.260	0.000
R35A010530	JUNCTION	2.63	9.150	0.000
R35D010565	JUNCTION	2.71	10.850	0.000
R35D010605	JUNCTION	2.78	7.510	0.000
R35D010624	JUNCTION	2.86	10.470	0.000
R35D010651	JUNCTION	2.91	11.080	0.000
R35D010674	JUNCTION	2.96	10.692	0.308
R35D010698	JUNCTION	3.01	9.839	0.991
R35D010717	JUNCTION	3.07	8.570	0.000
R35D010749	JUNCTION	3.15	8.199	3.441
R35D010788	JUNCTION	3.28	7.033	4.607
R35D021071	JUNCTION	3.27	7.040	0.760
RFMagReducer	JUNCTION	8759.12	2.726	7.774
SangerReg-Washw	JUNCTION	0.91	1.066	18.214
S-CstoreHB	JUNCTION	114.83	58.100	0.000
StormJunction	JUNCTION	0.83	0.475	12.615
TF4	JUNCTION	74.90	11.570	0.000
WalnutSewerCrossing1	JUNCTION	20.43	1.906	8.864
WalnutSewerCrossing2	JUNCTION	19.08	1.891	8.879

Node Flooding Summary

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

Node	Hours Flooded	Maximum Rate CFS	Time of Max Occurrence days hr:min		Total Flood Volume 10 ⁶ gal	Maximum Ponded Depth Feet
P02A010849	0.01	2.38	201	08:58	0.000	0.000
P02A010886	0.01	0.80	201	08:58	0.000	0.000
P03B010943	0.01	0.22	201	08:58	0.000	0.000
P03C011258	0.01	18.11	188	14:56	0.001	0.000
P03D011328	0.01	6.05	188	14:54	0.000	0.000
P03D011351	0.01	15.26	163	09:28	0.001	0.000
R26C010152	0.01	0.91	0	00:12	0.000	100.000
R26D010220	0.01	0.91	201	09:09	0.000	0.000
R27B009743	0.01	0.40	201	09:12	0.000	0.000
R35A010236	0.01	0.77	201	09:08	0.000	0.000
R35A010275	0.01	0.55	201	09:08	0.000	0.000
R35A010308	2.07	0.44	201	09:05	0.006	0.000
R35A010322	0.01	0.68	201	09:05	0.000	0.000
R35A010346	0.01	0.89	201	09:09	0.000	0.000
R35A010374	2.00	9.76	201	10:04	0.359	0.000
R35A010401	0.01	3.65	201	09:20	0.000	0.000
R35A010474	0.01	0.08	201	09:20	0.000	0.000
R35A010505	0.01	1.81	201	09:20	0.000	0.000
R35A010530	0.01	2.07	201	09:18	0.000	0.000
R35D010565	0.01	1.80	201	09:17	0.000	0.000
R35D010605	0.01	2.38	201	09:17	0.000	0.000
R35D010624	0.01	1.58	201	09:16	0.000	0.000
R35D010651	0.01	1.56	201	09:15	0.000	0.000
R35D010717	0.01	1.17	201	09:12	0.000	0.000
S-CstoreHB	0.01	19.29	260	02:38	0.001	50.000
TF4	0.01	6.32	201	08:01	0.000	0.000

Storage Volume Summary

Max		Average	Avg	Evap	Exfil	Maximum	Max	Time of
Maximum		Volume	Pcnt	Pcnt	Pcnt	Volume	Pcnt	
Occurrence	Outflow	1000 ft3	Full	Loss	Loss	1000 ft3	Full	days
Storage Unit	CFS							
hr:min								
006-01LE_E-SWIRL		0.059	1	0	0	7.882	76	201
08:59	124.59							
007-01LE_F-SWIRL		0.035	0	0	0	8.217	78	201
09:00	158.78							
017-03FT_P17B002039		0.006	1	0	0	0.269	44	201
09:00	80.62							

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BypassPS	0.000	0	0	0	0.000	0	0
00:00 4.35							
GritChamber	34.259	40	0	0	37.977	45	201
13:00 190.88							
P04D008480	0.000	0	0	0	3.822	7	201
09:02 2.49							
P17B001657	0.000	0	0	0	0.045	2	201
09:00 4.35							
RawSewagePS	0.020	0	0	0	9.249	47	201
13:16 190.11							

Outfall Loading Summary

Outfall Node	Flow Freq Pcnt	Avg Flow CFS	Max Flow CFS	Total Volume 10^6 gal	
001	0.00	0.00	0.00	0.000	
003	0.32	17.44	132.53	13.105	
006A	0.52	12.36	74.51	15.282	
006B	0.17	5.00	45.21	2.020	
007-03-09-OVERLANDtoSTORMSEWER	6.13	0.09	2.58	1.273	
007-03-12-OVERLANDtoSTORMSEWER	5.96	0.08	2.19	1.084	
007-03-13-OVERLANDtoSTORMSEWER	6.05	0.07	2.07	1.017	
007A	0.33	16.89	147.52	13.084	
008	0.00	0.00	0.00	0.000	
009	0.03	0.20	0.91	0.015	
010	0.00	0.00	0.00	0.000	
011	0.00	0.00	0.00	0.000	
013	0.00	0.00	0.00	0.000	
014	0.00	0.00	0.00	0.000	
016	1.44	17.59	263.18	59.759	
016-03-01-OVERLANDtoRIVER	6.42	0.17	7.10	2.569	
017	1.01	5.82	74.66	13.891	
017-02-05-OVERLANDtoRIVER	5.46	0.04	1.16	0.576	
017-02-07-OVERLANDtoRIVER	5.32	0.04	0.90	0.447	
017-02-08-OVERLANDtoRIVER	5.86	0.06	1.55	0.762	
018	2.59	5.50	130.92	33.669	
018-04-01-OVERLANDtoRIVER	4.56	0.02	0.52	0.255	
018-05-01-OVERLANDtoRIVER	5.71	0.07	1.81	0.897	
018-05-02-OVERLANDtoRIVER	6.22	0.13	3.74	1.849	
019	7.46	1.75	162.67	30.806	
020	0.00	0.00	0.00	0.000	
WashingtonRoadOutfall	0.00	0.00	0.00	0.000	
WetWeatherTreatment	0.01	2.61	4.35	0.045	
WilcoxAve	0.00	0.00	0.00	0.000	
WWTP	100.00	35.31	185.79	8328.452	
System	5.72	121.23	1180.98	8520.854	

Link Flow Summary

	Maximum Flow	Time of Max Occurrence	Maximum Veloc	Max/ Full	Max/ Full
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Link	Type	CFS	days	hr:min	ft/sec	Flow	Depth
000-05FT_P09C000597	CONDUIT	57.36	188	20:34	2.70	1.13	1.00
000-06FT_P03B011320	CONDUIT	16.37	201	11:20	1.97	0.65	1.00
000-07FT_R27B009644	CONDUIT	11.64	201	09:05	6.80	2.14	0.95
000-09FT+000-08FT_R27D009713	CONDUIT	8.14	201	10:30	4.88	1.75	0.96
000-10FT_R26C008767	CONDUIT	0.57	201	09:45	2.93	0.18	0.22
000-11FT_R26C011562	CONDUIT	1.50	201	10:02	7.15	0.40	0.14
003-02FP_P03D011221	CONDUIT	120.22	201	09:00	14.02	0.15	0.49
003-03FP_P03C011367	CONDUIT	34.43	201	09:00	11.78	0.29	0.68
003-05FT_R34D010498	CONDUIT	6.66	201	09:06	5.74	0.29	0.40
003-06FT_StormConduit	CONDUIT	14.84	201	09:00	3.87	0.71	1.00
003-07FT_P03A011417	CONDUIT	71.53	201	09:00	9.67	0.44	0.57
003-08FT_P03A011559	CONDUIT	71.47	201	09:00	15.54	0.62	0.58
006-03FP_P09B000707a	CONDUIT	125.38	201	08:59	5.65	0.42	1.00
007-03FP_P09B000474	CONDUIT	159.03	201	09:00	6.47	0.84	1.00
007-04FT_P09B000431	CONDUIT	39.15	163	09:26	7.98	14.48	1.00
007-05FT_R33B010890	CONDUIT	6.65	201	10:03	5.07	0.20	0.33
007-06FT_P04A007167	CONDUIT	50.39	201	09:08	4.82	0.46	0.45
009-02FP_P09B020927	CONDUIT	1.36	201	08:33	2.90	0.28	1.00
009-03FT_P09B000518	CONDUIT	2.17	201	09:01	5.84	0.06	0.58
014-01FT_P09D000814	CONDUIT	7.19	201	09:01	4.94	0.07	0.19
016-02FP_P08C001722	CONDUIT	237.10	201	09:00	12.88	0.67	0.48
016-03FP_P16A002634	CONDUIT	28.86	201	08:48	6.02	0.53	0.75
016-04FT_016-04(2)	CONDUIT	228.46	201	09:00	15.39	0.66	0.67
016-06FT_P04D007067	CONDUIT	11.07	201	09:03	4.17	0.17	0.28
016-07FT_P05C006697	CONDUIT	21.61	201	09:01	5.81	0.15	0.27
016-08FT_P09A000318	CONDUIT	7.47	201	09:02	6.33	0.27	0.39
016-09FT_P08D001490	CONDUIT	31.94	201	09:00	16.68	0.10	0.25
017-02FP_P17B000983	CONDUIT	80.61	201	09:00	8.30	0.45	0.72
017-04FT_P17C002297	CONDUIT	5.98	201	08:56	5.13	1.21	1.00
018-02LE_P17D002325	CONDUIT	18.49	201	09:00	2.48	0.23	0.66
018-03LE_P17D002324	CONDUIT	24.18	201	09:00	6.91	0.71	0.59
018-04FP_P17D002352	CONDUIT	86.45	201	08:59	11.99	0.60	0.56
018-05FP_P17D002319	CONDUIT	30.90	201	09:01	5.61	0.48	0.77
018-06FP_P17D002322	CONDUIT	24.48	201	08:56	6.09	0.69	0.66
018-07FT_P17D002358	CONDUIT	86.45	201	08:59	22.20	0.26	0.35
018-08FT_P17D002320	CONDUIT	31.26	201	09:02	3.41	0.44	0.96
018-09FT_P17D002323	CONDUIT	24.48	201	09:00	6.56	0.68	0.62
018-10FE_P17D002300	CONDUIT	10.83	201	09:00	4.95	1.05	1.00
019-02FP_P19B002041	CONDUIT	156.33	201	09:01	10.82	0.29	0.44
019-03FT_P19B000678	CONDUIT	23.46	201	09:01	7.60	1.01	1.00
019-04FT_P07D002710	CONDUIT	5.30	201	09:20	2.79	0.54	0.48
019-05FT_L13B002919	CONDUIT	1.29	201	09:20	3.95	0.21	0.31
019-06FT_P18A001098	CONDUIT	5.17	201	09:05	3.11	0.18	0.29
019-07FT_P18A001126	CONDUIT	1.85	201	09:00	2.45	0.04	0.13
019-08FT_P18D002082	CONDUIT	6.65	201	09:00	6.33	0.42	0.45
019-10FT_P08D001420	CONDUIT	29.87	201	09:00	7.24	0.41	0.44
AtlanticAve3	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
BarScreenChannels	CONDUIT	191.48	201	13:00	10.68	0.01	0.44
BypassConduit1	CONDUIT	4.35	201	13:16	6.26	0.01	0.05
BypassConduit2	CONDUIT	4.35	201	13:16	7.92	0.00	0.04
BypassConduit3	CONDUIT	4.35	201	13:16	15.14	0.00	0.03
CedarOutfall	CONDUIT	263.18	201	09:00	15.73	0.23	0.66
CedarSewerCrossing	CONDUIT	263.17	201	09:00	8.22	0.42	1.00
EatonSewerCrossing	CONDUIT	75.33	201	09:00	12.75	0.39	0.42
FayetteSewerCrossing	CONDUIT	171.86	201	09:01	7.86	0.50	0.81
F-SWIRL-DW1	CONDUIT	16.05	163	09:21	13.08	2.78	1.00
F-SWIRL-OF	CONDUIT	152.39	201	09:00	9.78	0.80	0.60
FultonStorm	CONDUIT	0.91	201	09:05	4.60	0.01	0.08
KPMagMeter	CONDUIT	125.25	201	13:40	10.92	0.76	1.00

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L13B005075	CONDUIT	1.29	201	09:21	2.46	0.04	0.13
LibertySewerCrossing	CONDUIT	59.08	163	09:46	4.51	2.20	1.00
P02A011271	CONDUIT	16.36	201	11:20	3.50	1.00	1.00
P02A011275	CONDUIT	16.36	201	11:20	3.46	1.26	1.00
P02A011276	CONDUIT	16.36	201	11:20	3.61	0.90	1.00
P02A011277	CONDUIT	16.36	201	11:20	5.23	0.99	1.00
P03A010094	CONDUIT	5.51	201	09:00	21.11	0.15	0.27
P03A011386	CONDUIT	0.00	0	00:00	0.00	0.00	0.29
P03A011399	CONDUIT	63.50	201	09:00	8.44	0.54	0.58
P03A011400	CONDUIT	63.48	201	09:01	8.43	0.63	0.58
P03A011419	CONDUIT	84.12	201	09:01	21.20	0.48	0.50
P03A011420	CONDUIT	0.35	201	09:00	1.48	0.01	0.33
P03A011421	CONDUIT	96.42	201	09:00	18.82	0.24	0.43
P03A011422	CONDUIT	96.41	201	09:00	19.71	0.40	0.41
P03A011423	CONDUIT	101.10	201	09:00	11.54	0.22	0.36
P03A011425	CONDUIT	96.40	201	09:00	13.24	0.15	0.32
P03A011430	CONDUIT	71.47	201	09:00	18.16	0.44	0.50
P03A011436	CONDUIT	0.05	201	09:00	0.43	0.00	0.16
P03A011437	CONDUIT	5.52	201	09:00	12.59	0.28	0.39
P03A011438	CONDUIT	5.51	201	09:01	12.12	0.33	0.40
P03A011441	CONDUIT	5.51	201	09:01	9.47	0.04	0.14
P03A011442	CONDUIT	5.51	201	09:01	7.08	0.04	0.17
P03A011444	CONDUIT	5.50	201	09:02	5.63	0.08	0.20
P03A011445	CONDUIT	5.50	201	09:02	4.11	0.09	0.28
P03B011270	CONDUIT	16.36	201	11:20	3.42	1.03	1.00
P03B011296	CONDUIT	17.66	201	09:00	9.46	0.23	0.31
P03B011319	CONDUIT	16.36	201	11:20	3.33	0.74	1.00
P03B011324	CONDUIT	17.07	201	10:24	2.68	1.35	1.00
P03B011326	CONDUIT	17.08	201	10:24	2.46	1.57	1.00
P03B011449	CONDUIT	17.66	201	09:00	8.04	0.26	0.35
P03B017970	CONDUIT	17.07	201	10:24	2.68	1.42	1.00
P03B017973	CONDUIT	17.03	201	10:24	2.68	1.39	1.00
P03C011231	CONDUIT	19.36	201	09:59	2.01	0.95	1.00
P03C011358	CONDUIT	17.65	201	09:00	11.02	0.16	0.28
P03C011362	CONDUIT	17.06	201	10:24	2.28	1.08	1.00
P03C011365	CONDUIT	26.74	201	09:00	2.50	0.49	1.00
P03C011366	CONDUIT	26.74	201	09:00	1.69	11.97	1.00
P03C011367a	CONDUIT	26.74	201	09:00	7.88	0.28	1.00
P03C011368	CONDUIT	17.07	201	10:24	2.06	0.90	1.00
P03C011369	CONDUIT	19.36	201	09:59	2.46	1.79	1.00
P03C020062	CONDUIT	111.59	201	09:00	6.25	0.28	0.85
P03D011193	CONDUIT	1.77	201	09:00	3.15	0.79	0.67
P03D011197	CONDUIT	45.00	163	09:28	4.45	2.86	1.00
P03D011198	CONDUIT	44.99	163	09:27	4.45	2.89	1.00
P03D011199	CONDUIT	45.39	163	09:28	4.52	2.04	1.00
P03D011212	CONDUIT	101.07	201	09:00	12.19	0.25	0.35
P03D011216	CONDUIT	107.85	201	09:00	13.31	0.18	0.34
P03D011217	CONDUIT	107.85	201	09:00	14.40	0.13	0.33
P03D011230	CONDUIT	25.96	201	09:00	3.16	1.67	1.00
P03D011234	CONDUIT	25.96	201	09:00	2.57	1.24	1.00
P03D011235	CONDUIT	25.96	201	09:00	2.37	1.15	1.00
P03D011237	CONDUIT	25.97	201	09:00	3.56	0.84	1.00
P03D011253	CONDUIT	1.77	201	09:00	3.11	0.75	0.68
P03D011256	CONDUIT	1.77	201	09:00	3.35	0.80	0.64
P03D011257	CONDUIT	1.77	201	09:01	3.88	0.27	0.30
P03D011259	CONDUIT	1.77	201	09:01	1.74	0.12	0.57
P03D011363	CONDUIT	45.00	163	09:28	4.45	3.79	1.00
P03D011383	CONDUIT	101.09	201	09:00	10.92	0.24	0.37
P03D011593	CONDUIT	37.04	201	08:45	9.49	0.59	0.60
P03D011595	CONDUIT	37.04	201	08:45	9.04	0.40	0.62
P03D011598	CONDUIT	25.96	201	09:00	2.73	1.34	1.00
P03D011600	CONDUIT	25.96	201	09:00	2.32	1.11	1.00

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P04A007117	CONDUIT	50.52	201	09:06	4.94	0.35	0.45
P04A007185	CONDUIT	2.58	201	09:00	3.01	0.12	0.24
P04A007193	CONDUIT	2.58	201	09:00	2.04	0.06	0.33
P04A007220	CONDUIT	3.13	201	08:54	3.50	0.20	0.36
P04A007224	CONDUIT	4.64	201	08:55	2.96	0.24	0.46
P04A017929	CONDUIT	50.14	201	09:10	5.97	0.37	0.38
P04A017932	CONDUIT	50.52	201	09:12	9.54	0.23	0.27
P04B011105	CONDUIT	10.20	201	08:40	8.52	0.16	0.29
P04B011106	CONDUIT	0.00	0	00:00	0.00	0.00	0.07
P04B011107	CONDUIT	0.07	201	08:00	0.40	0.00	0.13
P04B011108	CONDUIT	10.20	201	08:40	7.18	0.24	0.33
P04B011109	CONDUIT	19.60	201	09:00	10.05	0.05	0.16
P04B011110	CONDUIT	33.84	201	08:58	12.61	0.08	0.19
P04B011111	CONDUIT	33.84	201	08:57	9.94	0.12	0.23
P04B011130	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P04B017939	CONDUIT	33.85	201	08:56	11.54	0.09	0.21
P04C010905	CONDUIT	33.87	201	08:56	11.57	0.09	0.21
P04C010913	CONDUIT	33.86	201	08:57	12.37	0.08	0.20
P04C010914	CONDUIT	33.88	201	08:57	12.08	0.08	0.20
P04C010915	CONDUIT	33.91	201	08:57	13.49	0.14	0.25
P04C010918	CONDUIT	33.86	201	08:57	11.61	0.09	0.21
P04C010919	CONDUIT	33.87	201	08:57	11.64	0.10	0.21
P04C010951	CONDUIT	59.92	201	08:59	9.19	0.29	0.43
P04C010951a	CONDUIT	60.02	201	08:58	15.92	0.25	0.34
P04C010965	CONDUIT	14.97	201	08:55	4.47	0.93	0.64
P04C010974	CONDUIT	14.97	201	08:57	4.38	0.73	0.65
P04C010976	CONDUIT	14.97	201	08:58	5.92	0.49	0.43
P04C010993	CONDUIT	59.86	201	09:00	7.25	0.40	0.44
P04C011007	CONDUIT	61.40	201	09:01	7.59	0.31	0.37
P04C011009	CONDUIT	61.46	201	09:01	7.71	0.28	0.37
P04C011014	CONDUIT	61.41	201	09:01	7.45	0.28	0.38
P04C011015	CONDUIT	69.12	201	09:00	8.13	0.29	0.39
P04C011030	CONDUIT	68.94	201	09:00	9.96	0.40	0.38
P04C011569	CONDUIT	23.05	201	09:00	8.39	0.35	0.41
P04C011575	CONDUIT	68.98	201	09:00	7.57	0.53	0.47
P04C011579	CONDUIT	69.00	201	09:01	8.28	0.35	0.38
P04C011580	CONDUIT	77.27	201	09:00	12.04	0.26	0.32
P04C011587	CONDUIT	14.97	201	08:58	5.88	0.19	0.47
P04C011707	CONDUIT	68.92	201	09:01	14.05	0.22	0.30
P04C019721	CONDUIT	33.91	201	08:57	13.19	0.20	0.26
P04C019722	CONDUIT	33.91	201	08:57	17.35	0.10	0.21
P04C019726	CONDUIT	49.93	201	08:57	18.15	0.16	0.27
P04C019738	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P04C019739	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P04C019741	CONDUIT	0.00	0	00:00	0.00	0.00	0.09
P04D006646	CONDUIT	5.49	201	09:05	3.83	0.12	0.26
P04D006882	CONDUIT	11.06	201	09:05	9.22	0.08	0.16
P04D006998	CONDUIT	58.38	201	09:00	10.70	0.09	0.28
P04D006999	CONDUIT	61.49	201	09:00	8.02	0.27	0.36
P04D007016	CONDUIT	14.33	201	09:00	5.96	0.25	0.37
P04D007044	CONDUIT	3.94	201	08:10	4.95	0.52	1.00
P04D007045	CONDUIT	3.93	201	08:10	7.43	3.51	1.00
P04D007046	CONDUIT	3.91	201	08:18	4.82	0.22	1.00
P04D007047	CONDUIT	3.89	201	08:10	13.24	0.59	1.00
P04D007052	CONDUIT	2.49	201	09:02	7.14	1.81	1.00
P04D007065	CONDUIT	5.90	201	08:55	3.87	0.40	0.43
P04D007066	CONDUIT	5.70	201	08:59	4.36	0.13	0.34
P04D007068	CONDUIT	11.06	201	09:04	5.96	0.11	0.22
P04D007073	CONDUIT	5.74	201	08:58	4.70	0.32	0.33
P04D007074	CONDUIT	11.06	201	09:04	4.81	0.17	0.25
P04D007100	CONDUIT	14.33	201	09:00	6.67	0.25	0.34
P04D011003	CONDUIT	3.18	201	09:00	3.79	0.08	0.18

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P04D011568	CONDUIT	3.18	201	09:00	1.92	0.06	0.29
P04D017936	CONDUIT	51.29	201	09:12	14.68	0.09	0.20
P04D017938	CONDUIT	53.61	201	09:00	15.89	0.09	0.20
P05C005364	CONDUIT	12.31	201	09:01	4.90	0.56	0.50
P05C005365	CONDUIT	12.27	201	09:02	4.27	0.42	0.55
P05C005369	CONDUIT	12.28	201	09:02	4.15	1.01	0.56
P05C005370	CONDUIT	12.26	201	09:05	3.69	0.39	0.58
P05C005434	CONDUIT	9.81	201	08:56	4.69	0.39	0.44
P05C006654	CONDUIT	5.51	201	09:02	3.06	0.41	0.40
P05C006666	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P05C006685	CONDUIT	21.65	201	09:00	5.28	0.60	0.62
P05C006693	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P05C006694	CONDUIT	0.00	0	00:00	0.00	0.00	0.22
P05C006699	CONDUIT	21.64	201	09:00	5.00	0.70	0.43
P05C006713	CONDUIT	21.59	201	09:01	4.13	0.17	0.34
P05C006717	CONDUIT	21.57	201	09:02	3.81	0.49	0.37
P05C006718	CONDUIT	21.56	201	09:03	4.88	0.23	0.30
P05C006721	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P05C006725	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P05C006726	CONDUIT	21.55	201	09:03	5.83	0.19	0.27
P05D005381	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P05D005390	CONDUIT	12.65	201	09:00	8.10	0.17	0.30
P05D005395	CONDUIT	12.65	201	09:00	7.18	0.39	0.39
P05D005405	CONDUIT	5.81	201	09:00	4.41	0.23	0.41
P05D019248	CONDUIT	12.65	201	09:00	6.52	0.31	0.42
P07C001452	CONDUIT	51.07	201	09:04	5.27	0.12	0.38
P07C001454	CONDUIT	50.87	201	09:03	5.81	0.31	0.35
P07C001458	CONDUIT	50.76	201	09:02	5.22	0.31	0.38
P07C001462	CONDUIT	50.78	201	09:02	4.91	0.34	0.39
P07C001463	CONDUIT	50.77	201	09:02	5.04	0.34	0.39
P07C001464	CONDUIT	50.77	201	09:02	5.12	0.30	0.38
P07C001470	CONDUIT	50.79	201	09:01	4.67	0.37	0.41
P07C001471	CONDUIT	50.79	201	09:01	4.77	0.36	0.40
P07C001472	CONDUIT	29.85	201	09:00	7.88	0.25	0.34
P07C001473	CONDUIT	29.85	201	09:00	5.02	0.20	0.35
P07C001474	CONDUIT	30.58	201	09:01	4.85	0.58	0.40
P07C001475	CONDUIT	50.85	201	09:00	7.04	0.33	0.40
P07C001482	CONDUIT	50.84	201	09:00	7.51	0.33	0.38
P07C001483	CONDUIT	50.84	201	09:00	5.90	0.18	0.45
P07C001491	CONDUIT	50.84	201	09:00	7.66	0.26	0.37
P07C001493	CONDUIT	50.82	201	09:00	4.35	0.39	0.43
P07C001494	CONDUIT	50.80	201	09:01	4.51	0.40	0.42
P07C001532	CONDUIT	9.32	201	09:00	7.39	0.07	0.59
P07C001533	CONDUIT	59.87	201	09:00	5.08	0.37	0.44
P07C021561	CONDUIT	29.86	201	09:00	5.94	0.20	0.30
P07D001517	CONDUIT	5.74	201	09:35	3.47	0.48	0.51
P07D001523	CONDUIT	5.33	201	09:37	16.48	1.04	1.00
P07D001524	CONDUIT	5.32	201	10:15	16.15	1.10	1.00
P07D001527	CONDUIT	9.32	201	09:00	12.55	0.28	0.29
P07D001528	CONDUIT	9.33	201	09:00	10.64	0.33	0.39
P07D001529	CONDUIT	9.33	201	09:00	13.35	0.23	0.33
P07D002709	CONDUIT	5.28	201	09:25	3.07	0.38	0.45
P07D017896	CONDUIT	10.83	201	09:36	5.80	0.43	0.80
P08A001553	CONDUIT	12.65	201	09:00	3.91	0.11	0.35
P08A001572	CONDUIT	26.97	201	09:00	7.28	0.29	0.38
P08A001579	CONDUIT	26.97	201	09:00	6.47	0.28	0.39
P08A001591	CONDUIT	26.97	201	09:00	6.06	0.36	0.38
P08A001592	CONDUIT	26.97	201	09:00	6.49	0.28	0.34
P08A001595	CONDUIT	26.97	201	09:00	7.85	0.23	0.30
P08A001611	CONDUIT	26.98	201	08:57	7.54	0.15	0.31
P08A001612	CONDUIT	28.65	201	09:01	6.70	0.23	0.35
P08A001618	CONDUIT	29.14	201	09:03	3.62	0.22	0.54

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P08A001619	CONDUIT	31.94	201	08:59	4.83	0.23	0.46
P08A001621	CONDUIT	31.94	201	08:59	18.87	0.08	0.17
P08A001839	CONDUIT	0.00	0	00:00	0.00	0.00	0.20
P08A001840	CONDUIT	11.53	201	08:06	5.13	0.28	0.38
P08B000172	CONDUIT	21.54	201	09:04	16.66	0.07	0.21
P08B000173	CONDUIT	74.50	201	09:00	7.47	0.75	0.42
P08B000174	CONDUIT	38.50	201	09:00	24.87	0.12	0.22
P08B000175	CONDUIT	38.50	201	09:00	9.29	0.08	0.45
P08B000176	CONDUIT	65.38	201	09:00	6.28	0.41	0.43
P08B000177	CONDUIT	65.36	201	09:00	5.90	0.34	0.45
P08B000178	CONDUIT	66.82	201	09:00	6.08	0.51	0.45
P08B000184	CONDUIT	27.09	201	09:01	4.23	0.30	0.48
P08B000185	CONDUIT	27.89	201	09:02	3.53	0.61	0.59
P08B000237	CONDUIT	7.74	201	08:16	4.40	0.17	0.33
P08B000239	CONDUIT	7.74	201	08:17	4.36	0.25	0.33
P08B000240	CONDUIT	7.74	201	08:18	3.90	0.17	0.41
P08B000241	CONDUIT	7.80	201	08:15	3.21	0.39	0.58
P08B000242	CONDUIT	7.74	201	08:15	5.43	0.14	0.29
P08B000276	CONDUIT	74.50	201	09:01	7.86	0.35	0.38
P08B000277	CONDUIT	74.48	201	09:01	6.26	0.25	0.46
P08B000278	CONDUIT	74.45	201	09:02	5.38	0.68	0.51
P08B000303	CONDUIT	27.13	201	09:01	5.66	0.32	0.38
P08B000305	CONDUIT	27.15	201	09:00	5.58	0.28	0.39
P08B000306	CONDUIT	27.14	201	09:00	5.41	0.35	0.40
P08B001637	CONDUIT	74.40	201	09:02	5.54	0.42	0.50
P08B001841	CONDUIT	11.55	201	08:07	4.72	0.28	0.40
P08B002662	CONDUIT	21.55	201	09:04	9.16	0.11	0.19
P08C001638	CONDUIT	22.59	201	08:17	5.00	0.54	0.50
P08C001640	CONDUIT	75.26	201	09:04	3.85	2.75	0.52
P08C001642	CONDUIT	67.72	201	09:00	6.33	0.23	0.50
P08C001648	CONDUIT	74.42	201	09:03	5.18	0.51	0.53
P08C001650	CONDUIT	74.56	201	09:03	5.20	0.59	0.53
P08C001651	CONDUIT	74.91	201	09:04	4.80	0.37	0.58
P08C001656	CONDUIT	145.48	201	09:01	7.84	0.95	0.49
P08C001660	CONDUIT	145.48	201	09:01	7.74	0.36	0.49
P08C001671	CONDUIT	145.51	201	09:02	7.58	0.61	0.50
P08C001674	CONDUIT	156.14	201	09:02	9.99	0.53	0.43
P08C001687	CONDUIT	0.00	0	00:00	0.00	0.00	0.15
P08C001688	CONDUIT	22.59	201	08:18	5.94	0.47	0.44
P08C001689	CONDUIT	22.59	201	08:18	4.13	0.33	0.58
P08C001690	CONDUIT	7.23	201	08:15	6.34	0.21	0.43
P08C001713	CONDUIT	11.88	201	08:09	4.30	0.33	0.40
P08C001725	CONDUIT	223.72	201	09:00	8.67	1.13	0.59
P08C001729	CONDUIT	12.68	201	08:10	6.82	0.36	0.31
P08C001730	CONDUIT	11.98	201	08:10	2.27	0.10	0.62
P08C001731	CONDUIT	223.73	201	09:00	7.84	0.85	0.64
P08C001738	CONDUIT	4.65	201	08:35	3.48	0.03	0.13
P08C001740	CONDUIT	4.65	201	08:36	4.33	0.04	0.10
P08C001741	CONDUIT	4.65	201	08:36	10.50	0.02	0.55
P08C001743	CONDUIT	194.92	201	09:00	7.38	0.54	0.63
P08C001744	CONDUIT	29.81	201	08:19	7.26	1.46	0.44
P08C001749	CONDUIT	29.81	201	08:19	9.28	0.21	0.61
P08C001753	CONDUIT	160.27	201	09:00	6.56	0.69	0.61
P08C001754	CONDUIT	189.99	201	09:00	7.57	0.68	0.60
P08C001758	CONDUIT	145.46	201	09:02	8.04	0.26	0.48
P08C001759	CONDUIT	145.96	201	09:02	6.15	0.45	0.61
P08C001760	CONDUIT	146.48	201	09:03	6.09	1.08	0.62
P08C001844	CONDUIT	11.61	201	08:07	4.77	0.35	0.40
P08C001845	CONDUIT	11.54	201	08:08	5.24	0.28	0.37
P08C001846	CONDUIT	11.58	201	08:08	5.36	0.26	0.51
P08C001849	CONDUIT	67.72	201	09:00	8.28	0.48	0.39
P08C001860	CONDUIT	50.32	201	09:00	7.72	0.12	0.38

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P08D001412	CONDUIT	31.94	201	08:59	26.67	0.08	0.18
P08D001421	CONDUIT	29.86	201	09:00	7.34	0.40	0.44
P08D001484A	CONDUIT	31.94	201	09:00	15.61	0.28	0.27
P08D001626	CONDUIT	31.94	201	08:59	23.82	0.05	0.15
P08D001834	CONDUIT	31.95	201	09:00	8.25	0.10	0.28
P08D001835	CONDUIT	31.94	201	09:00	5.29	0.25	0.40
P08D001861	CONDUIT	22.59	201	08:16	4.74	0.54	0.53
P08D001867	CONDUIT	39.64	201	09:00	5.56	0.39	0.41
P08D001883	CONDUIT	1.05	201	08:18	2.76	0.10	0.24
P08D001884	CONDUIT	1.22	201	09:02	0.78	0.09	0.63
P08D001894	CONDUIT	1.03	201	08:58	3.21	0.06	0.20
P08D001897	CONDUIT	1.03	201	08:55	2.74	0.27	0.37
P08D001898	CONDUIT	1.03	201	08:56	3.01	0.31	0.34
P08D001899	CONDUIT	1.03	201	08:58	4.25	0.18	0.27
P08D001908	CONDUIT	50.33	201	09:00	5.15	0.30	0.50
P08D001909	CONDUIT	50.31	201	09:00	4.92	1.28	0.52
P08D001929	CONDUIT	0.28	201	08:04	0.34	0.01	0.22
P08D001941	CONDUIT	8.91	201	08:07	4.64	0.20	0.29
P08D001942	CONDUIT	8.88	201	08:07	4.94	0.12	0.27
P08D001943	CONDUIT	8.90	201	08:07	4.63	0.16	0.30
P08D001945	CONDUIT	8.77	201	08:58	2.60	0.19	0.42
P09A000218	CONDUIT	19.77	201	09:00	10.98	0.09	0.26
P09A000302	CONDUIT	27.16	201	09:00	6.75	0.38	0.44
P09A000317	CONDUIT	0.01	18	01:25	0.72	0.00	0.01
P09A000319	CONDUIT	7.47	201	09:03	11.46	0.12	0.47
P09A000327	CONDUIT	7.52	201	09:03	6.00	0.34	0.40
P09A000328	CONDUIT	7.47	201	09:01	5.95	0.19	0.41
P09A000329	CONDUIT	7.47	201	09:02	4.93	0.48	0.46
P09A000607	CONDUIT	0.01	0	00:22	1.27	0.00	0.01
P09A000608	CONDUIT	0.01	0	00:02	0.82	0.00	0.01
P09A002644	CONDUIT	2.49	201	09:03	3.79	0.71	0.81
P09A006883	CONDUIT	11.05	201	09:05	16.21	0.03	0.12
P09B000428	CONDUIT	23.05	201	09:00	6.80	0.37	0.49
P09B000431a	CONDUIT	39.14	163	09:26	7.97	1.88	1.00
P09B000435	CONDUIT	39.15	163	09:26	7.98	2.06	1.00
P09B000440	CONDUIT	59.41	163	09:42	3.93	1.50	1.00
P09B000441	CONDUIT	59.64	188	16:41	3.38	1.74	1.00
P09B000442	CONDUIT	58.59	163	09:43	3.72	2.00	1.00
P09B000457	CONDUIT	38.14	201	09:00	12.25	0.38	0.46
P09B000458	CONDUIT	38.14	201	09:00	12.63	0.43	0.44
P09B000469	CONDUIT	38.14	201	09:00	10.67	0.56	0.50
P09B000470	CONDUIT	38.15	201	09:00	9.57	0.59	0.55
P09B000472a	CONDUIT	0.00	0	00:00	0.00	0.00	0.14
P09B000473	CONDUIT	72.97	201	08:59	5.72	1.26	0.78
P09B000475	CONDUIT	56.75	201	08:58	4.43	0.63	0.66
P09B000476	CONDUIT	58.76	163	09:43	3.22	1.70	1.00
P09B000478a	CONDUIT	58.58	163	09:43	3.09	1.55	1.00
P09B000478b	CONDUIT	58.58	163	09:45	2.98	1.46	1.00
P09B000493	CONDUIT	77.18	201	09:01	13.22	0.19	0.29
P09B000501	CONDUIT	0.09	0	00:04	3.72	0.01	0.06
P09B000503	CONDUIT	0.21	201	09:03	1.58	0.08	0.65
P09B000505U	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09B000505V	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09B000505W	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09B000505X	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09B000505Y	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09B000505Z	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09B000514	CONDUIT	1.36	201	08:33	2.50	0.13	1.00
P09B000516	CONDUIT	1.45	201	08:15	3.28	0.26	1.00
P09B000520	CONDUIT	68.89	201	09:01	14.58	0.18	0.29
P09B000521	CONDUIT	75.21	201	08:57	8.28	0.47	0.51
P09B000521A	CONDUIT	82.83	201	08:56	8.34	0.52	0.52

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P09B000524	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09B000537	CONDUIT	77.23	201	09:00	13.92	0.16	0.28
P09B000540	CONDUIT	0.09	0	00:02	4.19	0.01	0.06
P09B000550	CONDUIT	92.56	26	15:31	6.49	0.58	1.00
P09B000553	CONDUIT	0.00	0	00:00	0.00	0.00	0.04
P09B000554	CONDUIT	2.04	201	08:22	1.15	0.08	1.00
P09B000554a	CONDUIT	1.86	201	08:22	4.66	0.00	0.16
P09B000555	CONDUIT	2.03	201	08:22	1.30	0.19	1.00
P09B000556	CONDUIT	15.77	163	09:21	8.93	1.46	1.00
P09B000561	CONDUIT	0.04	0	00:05	3.16	0.00	0.04
P09B000562	CONDUIT	0.04	0	00:02	3.19	0.00	0.04
P09B000571	CONDUIT	56.73	201	09:00	14.76	0.50	0.53
P09B000573	CONDUIT	1.81	201	09:00	7.31	0.14	0.26
P09B000577	CONDUIT	0.00	0	00:00	0.00	0.00	0.13
P09B000780W	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09B000780X	CONDUIT	0.00	0	00:00	0.00	0.00	0.01
P09B000780XX	CONDUIT	0.13	201	08:56	0.22	0.00	0.07
P09B000815X	CONDUIT	48.17	201	09:00	12.14	0.18	0.44
P09B000815Z	CONDUIT	45.21	201	09:00	7.39	0.72	0.62
P09B000815ZZ	CONDUIT	75.38	201	09:00	10.99	0.29	0.38
P09B000815ZZa	CONDUIT	74.51	201	09:00	11.45	0.29	0.37
P09B000826F	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09B000826X	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09B000826XX	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09B000826Y	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09B000826Z	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09B000904W	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09B000904X	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09B000910I	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09B000910Y	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09B000910Z	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09B000964b	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09B001025X	CONDUIT	0.91	201	09:06	3.73	0.02	0.15
P09B001025Y	CONDUIT	0.91	201	09:07	1.57	0.08	0.14
P09B001025Z	CONDUIT	0.91	201	09:07	2.72	0.01	0.08
P09B002665	CONDUIT	9.03	201	08:50	11.05	0.11	0.22
P09B019743	CONDUIT	68.90	201	09:01	14.26	0.16	0.29
P09B019745	CONDUIT	68.90	201	09:01	12.90	0.22	0.32
P09B019746	CONDUIT	9.03	201	08:50	9.50	0.14	0.45
P09B019749	CONDUIT	22.06	201	08:17	5.69	0.28	0.81
P09B019752	CONDUIT	122.77	201	08:55	13.78	0.45	0.48
P09B019753	CONDUIT	15.77	163	09:21	8.92	1.33	1.00
P09B019756	CONDUIT	32.26	201	12:52	4.20	1.58	1.00
P09B019757	CONDUIT	32.24	201	12:54	3.24	6.46	1.00
P09B019758	CONDUIT	38.06	201	12:54	2.37	0.67	1.00
P09B019759	CONDUIT	21.34	163	09:31	3.41	0.14	1.00
P09B019761	CONDUIT	38.11	201	12:54	2.21	0.62	1.00
P09B019762	CONDUIT	65.74	163	09:32	3.52	0.46	1.00
P09B019763	CONDUIT	89.45	163	09:11	9.63	0.29	1.00
P09B019765	CONDUIT	39.14	163	09:26	7.97	2.04	1.00
P09B019767	CONDUIT	39.14	163	09:27	7.97	1.70	1.00
P09B019768	CONDUIT	39.14	163	09:26	7.97	2.54	1.00
P09B019771	CONDUIT	2.05	150	11:57	2.49	0.01	0.38
P09B019772	CONDUIT	1.33	201	08:56	1.55	0.01	0.36
P09B019776	CONDUIT	1.70	201	08:55	0.96	0.01	0.29
P09B019777	CONDUIT	148.80	201	09:00	9.52	1.45	0.63
P09B019779	CONDUIT	149.02	201	09:00	14.83	0.44	0.46
P09B019780	CONDUIT	150.01	201	09:01	13.75	0.50	0.51
P09B019780b	CONDUIT	163.18	201	09:01	14.11	0.49	0.55
P09B019782	CONDUIT	147.49	201	09:01	12.57	0.54	0.52
P09B019783	CONDUIT	147.52	201	09:01	13.33	0.45	0.47
P09B019891	CONDUIT	37.36	201	09:00	5.50	0.55	0.72

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P09B019892	CONDUIT	52.99	201	09:00	7.86	0.53	0.81
P09B020925	CONDUIT	1.36	201	08:34	2.89	0.29	1.00
P09B020926	CONDUIT	1.36	201	08:34	2.93	0.28	1.00
P09B020928	CONDUIT	1.43	163	09:31	4.22	0.28	1.00
P09B020934	CONDUIT	59.10	163	09:46	2.74	1.22	1.00
P09B020935	CONDUIT	2.00	163	09:31	4.81	0.12	1.00
P09B021053	CONDUIT	0.91	201	09:04	2.17	0.05	0.14
P09B021054	CONDUIT	0.91	201	09:04	2.28	0.05	0.14
P09B021055	CONDUIT	0.91	201	09:04	1.96	0.05	0.15
P09B021056	CONDUIT	0.91	201	09:05	2.99	0.05	0.11
P09C000579	CONDUIT	58.29	163	09:45	2.82	1.24	1.00
P09C000586	CONDUIT	0.11	163	09:51	2.94	0.00	0.24
P09C000587	CONDUIT	0.68	201	08:24	4.29	0.07	0.94
P09C000589	CONDUIT	66.77	278	00:25	3.49	2.94	1.00
P09C000590	CONDUIT	61.18	278	00:25	4.24	1.00	1.00
P09C000591	CONDUIT	0.28	163	09:52	1.23	0.02	0.52
P09C000594	CONDUIT	56.86	188	20:36	3.21	1.25	1.00
P09C000595	CONDUIT	57.95	188	20:35	2.91	1.21	1.00
P09C000596	CONDUIT	57.07	188	20:35	2.71	1.24	1.00
P09C000599	CONDUIT	0.37	201	08:25	1.57	0.10	0.80
P09C000603	CONDUIT	58.10	188	20:34	2.78	1.18	1.00
P09C001146W	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09C001146X	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09C001146Y	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09C001146Z	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09C019063	CONDUIT	2.08	201	08:20	1.40	0.15	1.00
P09D000732	CONDUIT	0.01	156	21:49	1.14	0.00	0.01
P09D000735	CONDUIT	0.01	0	00:32	1.52	0.00	0.01
P09D000736a	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09D000736b	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09D000736c	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09D000740	CONDUIT	0.01	0	00:08	0.56	0.00	0.01
P09D000741	CONDUIT	58.62	201	08:24	2.52	1.17	1.00
P09D000759	CONDUIT	28.89	201	08:59	8.35	0.73	0.68
P09D000765	CONDUIT	28.89	201	08:58	9.84	0.47	0.60
P09D000766	CONDUIT	0.95	201	09:03	0.71	0.04	0.33
P09D000801	CONDUIT	58.71	201	08:24	2.67	1.29	1.00
P09D000804	CONDUIT	58.60	201	08:24	2.53	1.18	1.00
P09D000811	CONDUIT	7.20	201	09:02	4.86	0.72	1.00
P09D000813	CONDUIT	0.01	0	00:09	1.16	0.00	0.01
P09D000816	CONDUIT	7.18	201	09:01	5.00	0.19	0.26
P09D001389Y	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09D001389Z	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P09D001705	CONDUIT	11.94	201	08:07	4.58	0.24	0.40
P09D001706	CONDUIT	0.62	201	08:04	1.39	0.19	0.62
P09D001707	CONDUIT	0.78	201	08:04	0.87	0.03	0.32
P09D001708	CONDUIT	11.85	201	08:07	4.05	0.45	0.43
P09D001709	CONDUIT	11.84	201	08:08	4.60	0.40	0.39
P09D001710	CONDUIT	11.83	201	08:08	3.16	0.18	0.52
P09D001711	CONDUIT	11.82	201	08:08	2.05	1.02	0.76
P09D001775	CONDUIT	0.00	0	00:00	0.00	0.00	0.16
P10A000278V	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P10A000278W	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P10A000278X	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P10A000278Z	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
P10A000824	CONDUIT	38.14	201	08:39	5.72	0.54	1.00
P10A000825	CONDUIT	26.39	201	09:00	2.40	1.00	1.00
P10A000827	CONDUIT	38.32	201	08:31	5.74	0.54	0.80
P10A000851	CONDUIT	26.13	201	09:00	2.66	1.22	1.00
P10A000852	CONDUIT	26.13	201	09:00	2.24	1.13	1.00
P10A000858	CONDUIT	26.13	201	09:00	2.59	1.32	1.00
P10A000860	CONDUIT	26.13	201	09:00	2.45	1.15	1.00

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P10A000861	CONDUIT	34.80	163	09:31	3.69	2.52	1.00
P10A000865	CONDUIT	33.73	260	02:38	3.34	3.21	1.00
P10A000867	CONDUIT	37.04	201	08:46	5.97	0.70	0.61
P10A000868	CONDUIT	37.04	201	08:47	6.08	1.07	0.61
P10A000869	CONDUIT	37.04	201	08:47	6.47	1.86	0.58
P10A000870	CONDUIT	37.10	201	09:01	6.90	0.57	0.57
P10A000871	CONDUIT	37.04	201	08:47	6.55	0.80	0.57
P10A002657	CONDUIT	37.04	201	08:46	7.18	1.09	0.69
P10A002658	CONDUIT	37.04	201	08:46	17.13	0.15	0.37
P10A002659	CONDUIT	37.04	201	08:46	12.56	0.45	0.52
P10A019754	CONDUIT	33.24	201	12:51	3.50	1.19	1.00
P10A019755	CONDUIT	32.25	201	12:54	5.34	0.93	1.00
P10A019781	CONDUIT	148.29	201	09:01	12.32	0.56	0.54
P16A001036	CONDUIT	245.11	201	09:00	21.55	0.37	0.42
P16A002614	CONDUIT	74.05	163	09:51	3.21	1.44	1.00
P16A002615	CONDUIT	76.45	163	09:51	4.24	2.05	1.00
P16A002617	CONDUIT	58.88	201	08:24	2.27	0.96	1.00
P16A002618	CONDUIT	58.86	201	08:24	2.81	1.35	1.00
P16A002619	CONDUIT	58.79	201	08:24	2.74	1.32	1.00
P16A002623	CONDUIT	10.42	201	09:08	2.62	0.33	1.00
P16A002624	CONDUIT	26.74	163	09:38	6.72	1.26	1.00
P16A002626	CONDUIT	26.74	163	09:38	7.09	1.19	0.96
P16A002627	CONDUIT	26.12	260	02:42	6.57	2.59	1.00
P16A002628	CONDUIT	26.14	260	02:43	7.11	1.21	1.00
P16A002629	CONDUIT	26.12	260	02:42	6.57	0.71	1.00
P16A002632Y	CONDUIT	263.15	201	09:00	11.08	0.74	1.00
P16A002632Ya	CONDUIT	263.17	201	09:00	13.99	0.66	1.00
P16A021582	CONDUIT	28.79	201	08:48	4.75	0.34	0.96
P17A000954	CONDUIT	17.29	201	09:00	7.03	0.39	0.48
P17A000956	CONDUIT	17.29	201	09:00	6.68	0.56	0.51
P17A000957	CONDUIT	17.29	201	09:00	7.01	0.48	0.49
P17A001289	CONDUIT	10.33	201	09:00	2.68	0.29	0.55
P17A001291	CONDUIT	20.67	201	08:30	4.03	0.45	0.55
P17A001292	CONDUIT	33.56	201	09:01	6.48	0.85	0.50
P17A001296	CONDUIT	43.64	201	08:57	8.65	0.34	0.48
P17A002641	CONDUIT	55.79	201	09:00	9.50	0.60	0.54
P17B000622	CONDUIT	15.23	201	09:00	5.68	0.17	0.63
P17B000628	CONDUIT	15.23	201	09:00	11.44	0.23	0.33
P17B000629	CONDUIT	72.66	201	09:00	11.81	0.46	0.49
P17B000986	CONDUIT	36.33	201	08:55	5.90	0.54	0.50
P17B000988	CONDUIT	7.99	201	09:00	3.77	0.35	0.49
P17B000990	CONDUIT	26.13	201	08:58	7.61	0.71	0.62
P17B000991	CONDUIT	26.13	201	08:58	15.21	0.29	0.39
P17B000992	CONDUIT	26.13	201	08:58	9.99	0.77	0.52
P17B000997	CONDUIT	26.13	201	08:57	6.48	0.58	0.56
P17B000998	CONDUIT	26.13	201	08:57	6.72	0.66	0.55
P17B001002	CONDUIT	4.35	201	09:00	5.54	1.32	1.00
P17B001003	CONDUIT	4.35	201	09:00	5.54	1.23	1.00
P17B001004	CONDUIT	7.90	201	09:01	1.57	0.50	1.00
P17B001005	CONDUIT	26.13	201	08:56	5.66	3.27	0.85
P17B001007	CONDUIT	26.13	201	08:59	5.96	0.79	0.59
P17B001014	CONDUIT	1.88	201	09:05	2.49	0.60	1.00
P17B001015	CONDUIT	4.35	201	09:00	5.54	1.47	1.00
P17B001018	CONDUIT	1.22	201	09:00	3.78	0.38	0.43
P17B001019	CONDUIT	1.22	201	09:00	3.87	0.38	0.42
P17B001021	CONDUIT	1.22	201	09:00	3.82	0.36	0.71
P17B001022	CONDUIT	1.88	201	09:05	3.34	0.52	1.00
P17B001035	CONDUIT	245.10	201	09:00	20.51	0.42	0.44
P17B001059	CONDUIT	10.20	201	09:00	3.78	0.74	0.53
P17B001060	CONDUIT	10.20	201	09:00	2.75	0.28	0.67
P17B002039V	CONDUIT	74.67	201	09:00	10.03	0.31	0.40
P17B002039Va	CONDUIT	74.68	201	09:00	10.03	0.30	0.40

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P17B002039X	CONDUIT	74.67	201	09:01	9.25	0.32	0.43
P17B002039Y	CONDUIT	74.66	201	09:01	8.93	0.32	0.44
P17B002039Z	CONDUIT	74.66	201	09:01	9.53	0.32	0.42
P17B002292	CONDUIT	5.97	163	09:07	4.90	1.22	1.00
P17B002609	CONDUIT	68.93	201	08:25	2.51	1.10	1.00
P17B002611	CONDUIT	70.24	163	09:54	2.99	1.25	1.00
P17B002612	CONDUIT	71.67	163	09:53	3.63	1.46	1.00
P17C002268	CONDUIT	75.26	201	09:06	3.11	0.97	0.83
P17C002270	CONDUIT	67.97	201	08:25	2.21	1.02	1.00
P17C002272	CONDUIT	68.18	201	08:27	2.82	0.83	0.77
P17C002273	CONDUIT	75.57	201	08:27	3.10	1.01	0.77
P17C002281	CONDUIT	72.98	201	09:02	2.94	0.95	0.77
P17C002287	CONDUIT	72.66	201	09:03	2.78	0.88	0.79
P17C002293	CONDUIT	5.98	201	08:56	4.87	1.20	1.00
P17C002295	CONDUIT	5.98	201	08:56	4.87	1.94	1.00
P17C002296	CONDUIT	5.98	201	08:56	5.17	1.15	1.00
P17D002265	CONDUIT	93.56	201	09:05	3.31	1.12	0.72
P17D002266	CONDUIT	95.06	201	09:07	3.28	1.14	0.74
P17D002267	CONDUIT	104.74	201	09:04	3.60	1.30	0.84
P17D002298	CONDUIT	10.83	201	09:00	4.95	2.05	1.00
P17D002299	CONDUIT	10.83	201	09:00	4.95	1.36	1.00
P17D002301	CONDUIT	10.83	201	09:00	5.13	1.04	0.97
P17D002302	CONDUIT	11.26	201	09:05	5.50	1.09	0.93
P17D002314	CONDUIT	11.67	201	09:00	3.57	0.29	0.48
P17D002315	CONDUIT	26.75	201	09:00	6.06	0.64	0.60
P17D002317	CONDUIT	30.98	201	09:00	5.44	0.57	0.60
P17D002318	CONDUIT	30.93	201	09:00	4.70	0.77	0.73
P17D002324	CONDUIT	7.27	163	09:12	9.51	0.58	1.00
P17D002326	CONDUIT	55.75	201	09:00	11.64	0.53	0.47
P17D002328	CONDUIT	66.06	201	08:58	12.98	0.34	0.38
P17D002329	CONDUIT	66.06	201	08:58	13.41	0.22	0.37
P17D002330	CONDUIT	17.29	201	09:00	6.96	0.66	0.49
P17D002332	CONDUIT	17.29	201	09:00	5.26	0.24	0.48
P17D002344	CONDUIT	83.35	201	08:58	14.67	0.33	0.41
P17D002347	CONDUIT	86.44	201	08:58	11.85	0.41	0.56
P17D002358W	CONDUIT	130.94	201	09:00	10.91	0.37	0.44
P17D002358X	CONDUIT	130.95	201	09:01	9.35	0.37	0.50
P17D002358Y	CONDUIT	130.92	201	09:01	8.18	0.35	0.55
P17D002358Z	CONDUIT	130.92	201	09:02	10.08	0.36	0.47
P17D002359	CONDUIT	2.61	212	19:15	9.22	1.26	1.00
P17D002643	CONDUIT	17.29	201	09:00	6.41	0.48	0.53
P17D002720	CONDUIT	272.82	201	09:07	9.33	0.34	0.87
P18A001069	CONDUIT	16.84	201	09:00	7.28	0.09	0.20
P18A001072	CONDUIT	16.87	201	09:00	5.63	0.13	0.24
P18A001096	CONDUIT	1.29	201	09:25	2.08	0.04	0.14
P18A001097	CONDUIT	1.29	201	09:26	1.44	0.04	0.21
P18A001099	CONDUIT	5.16	201	09:05	3.54	0.18	0.26
P18A001105	CONDUIT	4.04	201	09:00	3.96	0.06	0.16
P18A001114	CONDUIT	4.04	201	09:00	3.50	0.07	0.18
P18A001125	CONDUIT	0.47	201	09:05	1.65	0.01	0.08
P18A001127	CONDUIT	1.85	201	09:00	1.32	0.03	0.20
P18A017897	CONDUIT	83.81	201	09:00	7.32	0.40	0.43
P18A017900	CONDUIT	100.46	201	09:01	6.95	0.30	0.40
P18B001226	CONDUIT	67.29	201	09:01	6.27	0.41	0.41
P18B001227	CONDUIT	67.30	201	09:02	6.55	0.32	0.39
P18B001228	CONDUIT	67.26	201	09:03	6.49	0.32	0.39
P18B001229	CONDUIT	67.37	201	09:03	6.27	0.32	0.42
P18B001552	CONDUIT	67.33	201	09:01	5.81	0.41	0.43
P18C000726	CONDUIT	7.49	201	08:35	3.18	0.34	0.40
P18C002048	CONDUIT	156.90	201	08:58	9.91	0.28	0.44
P18C002049	CONDUIT	159.05	201	08:59	9.25	0.46	0.47
P18C002050	CONDUIT	148.07	201	08:59	10.41	0.42	0.40

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P18C002051	CONDUIT	144.54	201	08:59	13.67	0.34	0.40
P18C002052	CONDUIT	143.90	201	09:00	14.26	0.33	0.39
P18C002053	CONDUIT	143.98	201	09:00	14.92	0.30	0.37
P18D002047	CONDUIT	9.36	201	09:00	5.58	0.18	0.64
P18D002181	CONDUIT	112.04	201	09:01	7.14	0.38	0.43
P18D002182	CONDUIT	121.53	201	08:59	7.31	0.36	0.48
P18D002183	CONDUIT	194.11	201	09:00	11.97	2.10	0.47
P19A000708	CONDUIT	2.73	201	08:06	4.56	0.14	0.27
P19B000677	CONDUIT	23.46	201	09:01	7.47	1.00	1.00
P19B000679	CONDUIT	163.79	201	08:58	6.28	0.20	0.64
P19B000681	CONDUIT	163.42	201	08:59	6.05	0.34	0.66
P19B000682	CONDUIT	163.50	201	08:59	5.89	0.34	0.68
P19B000685	CONDUIT	13.16	201	08:52	5.55	0.29	0.37
P19B000690	CONDUIT	13.16	201	08:53	5.22	0.25	0.31
P19B000703	CONDUIT	13.16	201	08:53	5.57	0.09	0.29
P19B000704	CONDUIT	13.16	201	08:55	5.88	0.21	0.23
P19B000705	CONDUIT	13.33	201	08:06	5.82	0.29	0.37
P19B002031	CONDUIT	162.98	201	09:00	5.81	0.64	0.68
P19B002034	CONDUIT	23.49	201	09:01	3.70	0.70	0.66
P19B002035	CONDUIT	23.36	201	09:01	3.71	0.71	0.65
P19B002043	CONDUIT	23.49	201	08:53	7.75	1.01	0.93
P19B002054	CONDUIT	156.63	201	09:00	7.73	0.30	0.53
P19B002055	CONDUIT	311.04	201	09:00	14.99	10.50	0.53
P19B002056	CONDUIT	13.16	201	08:56	4.14	0.05	0.41
P19B017901_1	CONDUIT	146.43	201	09:03	10.04	0.26	0.42
P19B017901_2	CONDUIT	164.50	201	08:58	7.46	0.29	0.56
P20A002002	CONDUIT	91.49	201	09:10	3.29	0.88	0.73
P20A002004	CONDUIT	85.25	201	09:15	3.19	0.86	0.72
P20A002015	CONDUIT	84.82	201	09:15	3.29	0.78	0.73
P20A002016	CONDUIT	84.79	201	09:16	3.58	0.74	0.73
P20A002017	CONDUIT	84.72	201	09:16	3.41	0.84	0.73
P20A002018	CONDUIT	23.40	201	09:04	4.79	0.70	0.65
P20A002021	CONDUIT	162.67	201	09:01	6.90	0.67	0.59
P20A002022	CONDUIT	23.49	201	09:03	6.42	0.26	0.80
P20A002023	CONDUIT	84.48	201	09:16	3.47	0.56	0.74
P20A002024	CONDUIT	84.35	201	09:19	3.48	0.64	0.74
P20A002471Z	CONDUIT	162.68	201	09:01	5.59	0.58	0.71
P20A002728	CONDUIT	106.42	201	09:19	3.95	0.75	0.75
P20A020380	CONDUIT	106.34	201	09:20	6.69	0.56	1.00
PF1(E-SwirlOF)	CONDUIT	138.28	201	08:57	11.51	0.73	0.48
PF8(E-SWIRL-DW)	CONDUIT	39.15	163	09:26	12.46	1.93	1.00
PL4(HamiltonOF)	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
R26A009356	CONDUIT	11.59	201	09:12	7.78	0.52	0.79
R26A009357	CONDUIT	11.59	201	09:12	6.56	27.77	1.00
R26A009358	CONDUIT	11.59	201	09:12	6.56	1.29	1.00
R26A009359	CONDUIT	11.59	201	09:12	7.44	1.49	0.82
R26A009365	CONDUIT	11.59	201	09:12	10.48	0.74	0.60
R26A009366	CONDUIT	11.59	201	09:12	9.57	0.59	0.68
R26A011484	CONDUIT	11.71	201	09:11	8.80	1.08	0.72
R26A011485	CONDUIT	11.57	201	09:16	7.33	0.90	0.90
R26B009414	CONDUIT	0.08	201	10:05	0.86	0.01	0.08
R26B009415	CONDUIT	0.16	201	10:05	1.36	0.02	0.10
R26B009416	CONDUIT	0.24	201	10:05	1.33	0.02	0.13
R26B009417	CONDUIT	0.33	201	10:05	1.14	0.05	0.18
R26B009418	CONDUIT	0.41	201	10:05	1.33	0.08	0.19
R26B009419	CONDUIT	0.49	201	10:05	1.03	0.06	0.25
R26C008749	CONDUIT	0.57	201	10:05	1.01	2.10	0.29
R26C008750	CONDUIT	0.65	201	10:05	1.40	0.13	0.25
R26C008751	CONDUIT	0.73	201	10:05	1.46	0.14	0.26
R26C008752	CONDUIT	0.81	201	10:05	1.54	0.16	0.27
R26C008753	CONDUIT	0.89	201	10:05	1.62	0.17	0.28
R26C008754	CONDUIT	0.97	201	10:10	1.73	0.18	0.28

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R26C008755	CONDUIT	1.06	201	10:01	1.90	0.18	0.28
R26D008720	CONDUIT	18.40	201	10:11	16.08	1.28	0.88
R26D008721	CONDUIT	18.40	201	10:11	18.37	0.93	0.76
R26D008724	CONDUIT	5.78	201	10:12	12.29	0.36	0.41
R26D008725	CONDUIT	12.98	201	09:09	12.64	0.79	1.00
R26D011489	CONDUIT	5.78	201	10:12	11.19	0.34	0.44
R27B009153	CONDUIT	11.59	201	09:10	7.77	0.79	0.83
R27B009154	CONDUIT	11.59	201	09:10	7.70	1.10	0.83
R27B009164	CONDUIT	11.59	201	09:10	6.85	1.12	0.94
R27B009645	CONDUIT	11.63	201	09:05	7.78	1.09	0.81
R27B009916	CONDUIT	11.57	201	09:17	7.75	1.09	0.82
R27B009917	CONDUIT	11.57	201	09:17	9.52	0.73	0.65
R27B009918	CONDUIT	11.57	201	09:17	9.24	0.79	0.67
R27B009946	CONDUIT	11.61	201	09:06	7.74	0.84	0.87
R27C009714	CONDUIT	8.31	201	10:20	4.26	0.52	0.76
R27C009716	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
R27C009717	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
R27C009883	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
R27C009884	CONDUIT	8.08	201	10:40	3.36	1.68	1.00
R27C009888	CONDUIT	8.08	201	10:41	3.36	1.30	1.00
R27C009889	CONDUIT	2.60	201	10:46	4.18	1.49	0.74
R27C009890	CONDUIT	2.60	201	10:46	6.95	0.46	0.70
R27C009893	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
R27C009902	CONDUIT	5.48	201	10:46	5.44	0.94	0.77
R27C009903	CONDUIT	11.53	201	09:22	11.52	0.27	0.43
R27C009904	CONDUIT	11.54	201	09:20	4.25	1.00	0.81
R27C009905	CONDUIT	11.54	201	09:21	4.67	1.00	0.73
R27C009906	CONDUIT	11.54	201	09:22	7.17	1.13	0.53
R27C009907	CONDUIT	18.43	201	10:10	4.67	1.04	0.75
R27C009908	CONDUIT	18.42	201	10:11	6.32	1.01	0.57
R27C009909	CONDUIT	11.56	201	09:18	4.22	1.00	0.82
R27C009910	CONDUIT	11.55	201	09:19	4.23	1.00	0.82
R27C009919	CONDUIT	11.57	201	09:17	10.71	0.75	0.59
R27C009920	CONDUIT	11.57	201	09:17	8.09	0.52	0.75
R27C009930	CONDUIT	8.07	201	10:47	14.58	0.17	0.40
R27C009931	CONDUIT	8.07	201	10:47	13.94	0.96	0.71
R27C011486	CONDUIT	18.40	201	10:11	7.91	0.39	0.72
R27D009715	CONDUIT	10.80	201	10:20	7.95	2.39	0.74
R33B010055	CONDUIT	0.26	201	09:00	2.50	0.08	0.19
R33B010708	CONDUIT	3.61	201	09:00	5.58	0.12	0.26
R33B010839	CONDUIT	1.16	201	09:00	2.90	0.56	0.51
R33B010850	CONDUIT	0.26	201	09:00	2.53	0.05	0.14
R33B010851	CONDUIT	0.26	201	09:00	2.52	0.03	0.30
R33B010853	CONDUIT	6.72	201	10:02	4.70	0.21	0.35
R33B010854	CONDUIT	7.04	201	10:03	4.08	0.18	0.32
R33B010857	CONDUIT	4.61	201	09:00	4.47	0.63	0.57
R33B010861	CONDUIT	1.16	201	09:00	2.13	0.69	0.46
R33B010862	CONDUIT	1.16	201	09:00	2.05	0.29	0.47
R33B010900	CONDUIT	1.03	201	09:00	5.32	0.11	0.22
R33B010901	CONDUIT	1.03	201	09:00	3.19	0.07	0.32
R33B010902	CONDUIT	7.30	201	10:02	4.09	0.18	0.30
R33B010903	CONDUIT	7.30	201	10:03	3.33	0.16	0.40
R33B010904	CONDUIT	24.55	201	10:01	6.51	0.48	0.44
R33B011555	CONDUIT	7.30	201	10:03	4.25	0.15	0.29
R33C005759	CONDUIT	6.20	201	09:00	7.57	0.10	0.24
R33C005762	CONDUIT	45.36	201	09:04	6.20	0.40	0.44
R33C010707	CONDUIT	26.55	201	10:01	8.12	0.28	0.38
R33C010728	CONDUIT	3.36	201	09:00	6.32	0.19	0.29
R33C010729	CONDUIT	26.55	201	10:01	6.52	0.27	0.43
R33C010734	CONDUIT	10.84	201	09:00	5.37	0.70	0.61
R33C010736	CONDUIT	10.84	201	09:00	6.44	0.65	0.53
R33C010741	CONDUIT	28.30	201	10:01	5.07	0.49	0.54

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R33C010742	CONDUIT	10.84	201	09:00	5.01	0.34	0.41
R33C010743	CONDUIT	10.84	201	09:00	4.85	0.22	0.35
R33C010744	CONDUIT	10.84	201	09:00	5.66	0.22	0.31
R33C010745	CONDUIT	10.84	201	09:00	6.81	0.14	0.28
R33C010750	CONDUIT	29.96	201	10:00	6.44	0.39	0.44
R33C010751	CONDUIT	40.40	201	09:03	6.43	0.31	0.42
R33C010752	CONDUIT	5.55	201	09:00	3.50	0.48	0.74
R33C010767+R33C010773	CONDUIT	5.55	201	09:00	7.10	0.31	0.39
R33C011041	CONDUIT	6.20	201	09:00	5.52	0.14	0.28
R33C011042	CONDUIT	6.20	201	09:00	3.38	0.44	0.52
R33C011043	CONDUIT	6.20	201	09:00	4.63	0.19	0.42
R33C011044	CONDUIT	6.20	201	09:00	3.85	0.23	0.36
R33C011045	CONDUIT	6.48	201	09:00	7.26	0.69	0.43
R33D005763	CONDUIT	50.57	201	09:05	5.23	0.45	0.50
R33D005764	CONDUIT	50.60	201	09:04	7.43	0.29	0.38
R33D005765	CONDUIT	50.56	201	09:06	5.94	0.54	0.45
R33D005774	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
R33D005775	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
R33D005776	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
R33D005777	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
R33D005778	CONDUIT	0.00	0	00:00	0.00	0.00	0.08
R33D005779	CONDUIT	0.24	201	09:10	0.17	0.00	0.30
R33D005783	CONDUIT	45.25	201	09:04	5.82	0.42	0.46
R33D005784	CONDUIT	45.24	201	09:05	6.26	0.48	0.44
R33D005948	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
R33D021115	CONDUIT	50.60	201	09:04	6.12	0.29	0.44
R34A010649	CONDUIT	4.76	201	09:00	5.35	0.42	0.50
R34A010651	CONDUIT	4.76	201	09:00	4.70	0.51	0.56
R34A010652	CONDUIT	4.76	201	09:00	5.19	0.55	0.52
R34A010653	CONDUIT	4.76	201	09:00	7.46	0.38	0.40
R34A010658	CONDUIT	6.82	201	09:00	4.79	2.12	0.76
R34A010662	CONDUIT	6.78	201	09:01	6.98	0.52	0.54
R34A010663	CONDUIT	6.78	201	09:02	6.55	0.62	0.57
R34A010664	CONDUIT	6.78	201	09:02	5.83	0.58	0.63
R34A020998	CONDUIT	6.74	201	09:02	4.56	0.58	0.79
R34A020999	CONDUIT	4.78	201	08:55	4.27	0.21	0.66
R34D010473	CONDUIT	62.40	201	09:00	7.96	0.55	0.60
R34D010474	CONDUIT	63.49	201	09:00	8.68	0.66	0.56
R34D010483	CONDUIT	16.05	201	08:50	4.76	0.45	0.49
R34D010484	CONDUIT	17.17	201	09:00	4.98	0.49	0.55
R34D010485	CONDUIT	17.55	201	09:01	3.93	0.45	0.80
R34D010486	CONDUIT	18.84	201	09:04	3.57	0.77	1.00
R34D010487	CONDUIT	33.90	201	09:00	7.16	1.28	0.79
R34D010488	CONDUIT	33.89	201	09:00	5.36	0.54	0.59
R34D010489	CONDUIT	34.96	201	09:01	5.65	0.69	0.58
R34D010490	CONDUIT	34.92	201	09:01	5.04	0.54	0.64
R34D010491	CONDUIT	41.43	201	09:00	4.39	0.70	0.76
R34D010492	CONDUIT	6.71	201	09:04	7.51	0.27	0.33
R34D010496	CONDUIT	6.69	201	09:04	8.24	0.18	0.31
R34D010497	CONDUIT	6.67	201	09:05	6.98	0.22	0.34
R34D010499	CONDUIT	6.62	201	09:07	5.16	0.38	0.43
R34D010500	CONDUIT	6.61	201	09:07	7.76	0.21	0.32
R34D010690	CONDUIT	6.72	201	09:03	4.85	1.21	0.73
R34D020997	CONDUIT	6.71	201	09:04	7.01	0.63	0.53
R35A010409	CONDUIT	19.44	201	09:19	3.98	1.19	1.00
R35A010410	CONDUIT	19.47	201	09:19	4.28	0.92	1.00
R35A010411	CONDUIT	13.97	201	09:20	4.06	0.54	1.00
R35A010412	CONDUIT	18.26	201	10:15	10.90	0.73	0.90
R35A010413	CONDUIT	18.26	201	10:15	4.49	0.87	1.00
R35A010414	CONDUIT	18.26	201	10:14	10.10	0.67	0.60
R35A010429	CONDUIT	5.77	201	10:12	11.02	0.48	0.44
R35A010430	CONDUIT	5.77	201	10:12	9.10	0.29	0.51

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R35A010431	CONDUIT	12.62	201	10:12	11.70	1.04	1.00
R35A010432	CONDUIT	12.62	201	10:12	10.29	1.02	1.00
R35A010433	CONDUIT	5.77	201	10:13	7.59	0.75	0.59
R35A010434	CONDUIT	5.77	201	10:13	9.14	0.54	0.51
R35A010435	CONDUIT	12.62	201	10:12	11.92	0.93	1.00
R35A010436	CONDUIT	12.50	201	10:32	10.19	1.24	1.00
R35A010437	CONDUIT	12.50	201	09:41	10.19	1.23	1.00
R35A010438	CONDUIT	5.77	201	10:14	7.77	0.33	0.44
R35A010439	CONDUIT	12.50	201	10:32	10.19	1.15	1.00
R35A010440	CONDUIT	5.76	201	10:14	13.05	0.32	0.39
R35A010441	CONDUIT	5.76	201	10:14	9.85	0.58	0.48
R35A010447	CONDUIT	18.26	201	10:14	10.37	0.49	0.55
R35A011487	CONDUIT	12.71	201	09:08	11.23	1.06	1.00
R35A011488	CONDUIT	5.77	201	10:12	9.52	0.46	0.50
R35A017947	CONDUIT	5.77	201	10:13	9.81	0.48	0.48
R35A017948	CONDUIT	19.21	201	09:19	4.02	1.17	1.00
R35A017951	CONDUIT	18.91	201	09:18	4.27	1.18	1.00
R35A017952	CONDUIT	18.51	201	09:18	5.12	1.05	1.00
R35A017979	CONDUIT	2.06	201	10:02	3.91	0.82	1.00
R35D010315	CONDUIT	16.35	201	11:20	5.74	1.00	1.00
R35D010359	CONDUIT	16.35	201	11:20	5.71	1.02	1.00
R35D017955	CONDUIT	18.17	201	09:17	5.14	1.02	1.00
R35D017957	CONDUIT	17.79	201	09:16	5.15	1.00	1.00
R35D017959	CONDUIT	17.16	201	09:16	5.88	1.06	1.00
R35D017960	CONDUIT	16.74	201	09:15	5.87	1.04	1.00
R35D017962	CONDUIT	16.36	201	11:20	6.02	1.02	1.00
R35D017965	CONDUIT	16.36	201	11:20	5.97	0.95	1.00
R35D017966	CONDUIT	16.36	201	11:20	5.74	1.04	1.00
R35D018403	CONDUIT	16.36	201	11:18	5.76	1.01	1.00
RFMagMeter	CONDUIT	106.35	201	09:20	8.46	0.64	1.00
SangerOFN	CONDUIT	88.68	201	09:00	21.08	0.13	0.32
SangerSewerCrossing	CONDUIT	130.92	201	09:01	4.36	3.69	1.00
SouthDiversion	CONDUIT	0.02	365	00:00	0.33	0.00	0.05
SouthDiversionDW	CONDUIT	0.23	163	09:07	2.84	0.06	0.54
SouthDiversionOF	CONDUIT	0.00	0	00:00	0.00	0.00	0.16
SouthSewerCrossing	CONDUIT	68.01	201	08:25	12.22	36.98	1.00
SouthWashingtonOutfall	CHANNEL	0.00	0	00:00	0.00	0.00	0.00
TF1(S-C_StoreOF)	CONDUIT	132.53	201	09:00	17.98	0.34	0.40
TF10(Franklin)	CONDUIT	0.72	344	14:53	4.45	0.07	1.00
TF11(WalnutDW)	CONDUIT	0.01	0	00:33	2.07	0.00	0.02
TF12(StateDW)	CONDUIT	7.19	201	09:02	8.12	0.23	0.67
TF14(CedarDW)	CONDUIT	26.74	163	09:38	6.72	1.18	1.00
TF15(SouthDW)	CONDUIT	6.07	163	09:07	6.85	0.30	1.00
TF16(SangerDW)	CONDUIT	10.83	201	09:00	6.13	4.39	1.00
TF17(DarstDW)	CONDUIT	23.53	201	08:59	7.49	0.69	1.00
TF2(fromUpC)	CONDUIT	17.07	201	10:24	2.13	0.99	1.00
TF20(F-SwirlIN)	CONDUIT	159.11	201	09:00	6.63	0.61	1.00
TF22(toWestern&Smith)	CONDUIT	31.94	201	09:00	19.82	0.06	0.22
TF23-PF5(FultonOF)	CONDUIT	0.92	201	09:02	5.12	0.01	0.12
TF24(F-SwirlOF)	CONDUIT	148.11	201	09:00	11.20	0.58	0.55
TF25(E-SwirlOF)	CONDUIT	123.01	201	09:00	14.42	0.42	0.45
TF26-PF6(CedarOF)	CONDUIT	263.15	201	09:00	16.20	0.63	0.85
TF27-PF9(DarstOF)	CONDUIT	163.67	201	08:59	6.83	0.20	0.60
TF28-PF7(SouthOF)	CONDUIT	74.68	201	09:00	6.72	0.17	0.39
TF29(SangerOF)	CONDUIT	130.95	201	09:00	8.78	0.82	0.51
TF4(S-CStorage)	CONDUIT	45.00	163	09:28	4.45	1.70	1.00
TF5(E-SwirlDW)	CONDUIT	16.06	163	09:21	9.09	1.63	1.00
TF8(LibertyDW)	CONDUIT	0.10	201	09:03	1.67	0.06	0.22
TF9(HarrisonDW)	CONDUIT	0.08	201	09:06	1.51	0.02	0.35
toCedarRegE	CONDUIT	28.79	201	08:48	3.20	19.46	0.99
toCedarRegN	CONDUIT	245.14	201	09:00	17.23	0.41	0.58
toFayetteRegN	CONDUIT	89.13	201	09:00	17.07	0.16	0.27

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toFayetteRegW	CONDUIT	68.78	201	08:59	5.39	0.66	0.74
toGreenReg	CONDUIT	37.04	201	08:46	11.31	0.50	0.57
toHamiltonReg	CONDUIT	11.75	201	09:00	12.36	0.12	0.25
toHarrisonReg	CONDUIT	0.04	0	00:44	2.09	0.00	0.04
toLibertyReg	CONDUIT	0.09	0	00:54	2.58	0.01	0.06
toMainReg	CONDUIT	56.72	201	09:00	15.10	0.74	0.64
toWalnutReg	CONDUIT	0.01	132	12:38	1.23	0.00	0.01
WalnutBoxCulvert	CONDUIT	63.63	278	00:26	3.06	4.23	1.00
WaterOF	CONDUIT	34.87	201	09:01	5.74	0.56	0.85
WWTP	CONDUIT	185.79	201	12:30	21.88	0.55	0.53
BypassPumps	PUMP	4.35	201	13:16		0.03	
R26C008769	PUMP	2.06	201	10:02			
ScrewPump	PUMP	92.88	201	12:30		1.00	
ScrewPumpDuplicate	PUMP	92.88	201	12:30		1.00	
CarolineRegOrifice1	ORIFICE	4.19	201	08:32			
CarolineRegOrifice2	ORIFICE	10.35	201	08:54			
CedarGate	ORIFICE	26.77	163	09:38			1.00
DarstGate	ORIFICE	23.47	201	08:57			1.00
E-SwirlGate	ORIFICE	16.06	163	09:21			1.00
F-SwirlGate	ORIFICE	39.17	163	09:27			1.00
OldEatonRegOrifice	ORIFICE	2.11	201	08:22			
SpringRegOrifice1	ORIFICE	9.30	201	08:37			
SpringRegOrifice2	ORIFICE	3.24	201	09:00			
BypassWeir	WEIR	4.35	201	13:16			0.02
CedarOFWeir	WEIR	228.54	201	09:00			0.53
DarstWeir	WEIR	258.73	201	08:59			0.42
E-SwirlEOWeir	WEIR	0.00	0	00:00			0.00
E-SwirlOFWeir	WEIR	120.62	201	08:59			0.25
F-SwirlEOWeir	WEIR	0.00	0	00:00			0.00
F-SwirlOFWeir	WEIR	148.23	201	09:00			0.12
FultonOFWeir	WEIR	0.92	201	09:02			0.02
GritDischargeWeir	WEIR	190.88	201	13:00			0.10
PL1(EatonOFWeir)	WEIR	0.00	0	00:00			0.00
PL2(GreenOFWeir)	WEIR	0.00	0	00:00			0.00
PL3(FayetteOFWeir)	WEIR	0.00	0	00:00			0.00
PL5(MainOFWeir)	WEIR	0.00	0	00:00			0.00
SangerOFWeir	WEIR	89.56	201	09:00			0.22
S-CstoreOFWeir	WEIR	132.50	201	09:00			0.15
SouthOFWeir	WEIR	74.68	201	09:00			0.45
TL1(LibertyOFWeir)	WEIR	0.00	0	00:00			0.00
TL2(HarrisonOFWeir)	WEIR	0.00	0	00:00			0.00
TL3(WalnutOFWeir)	WEIR	0.00	0	00:00			0.00
TL4(StateOFWeir)	WEIR	0.00	0	00:00			0.00
WaterOFWeir	WEIR	34.87	201	08:58			0.78
FultonHydrobrake	DUMMY	1.36	201	08:33			
S-CstoreHydrobrake	DUMMY	15.77	163	09:31			

Flow Classification Summary

Conduit	Adjusted /Actual Length	----- Fraction of Time in Flow Class -----								
		Dry	Up Dry	Down Dry	Sub Crit	Sup Crit	Up Crit	Down Crit	Norm Ltd	Inlet Ctrl

000-05FT_P09C000597	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
000-06FT_P03B011320	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
000-07FT_R27B009644	1.00	0.00	0.00	0.00	0.08	0.92	0.00	0.00	0.00	0.00

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000-09FT+000-08FT_R27D009713	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00										
000-10FT_R26C008767	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
000-11FT_R26C011562	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
003-02FP_P03D011221	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.01	0.00
003-03FP_P03C011367	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.01	0.00
003-05FT_R34D010498	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00
003-06FT_StormConduit	1.00	0.00	0.38	0.00	0.62	0.00	0.00	0.00	0.42	0.00
003-07FT_P03A011417	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.97	0.00
003-08FT_P03A011559	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
006-03FP_P09B000707a	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.99	0.00	0.00
007-03FP_P09B000474	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
007-04FT_P09B000431	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.99	0.00	0.00
007-05FT_R33B010890	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
007-06FT_P04A007167	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
009-02FP_P09B020927	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.94	0.00
009-03FT_P09B000518	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
014-01FT_P09D000814	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.10	0.00
016-02FP_P08C001722	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.01	0.00
016-03FP_P16A002634	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.89	0.00
016-04FT_016-04(2)	1.00	0.97	0.02	0.00	0.00	0.01	0.00	0.00	0.97	0.00
016-06FT_P04D007067	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
016-07FT_P05C006697	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
016-08FT_P09A000318	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
016-09FT_P08D001490	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00
017-02FP_P17B000983	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.99	0.01	0.00
017-04FT_P17C002297	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
018-02LE_P17D002325	1.00	0.99	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
018-03LE_P17D002324	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
018-04FP_P17D002352	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
018-05FP_P17D002319	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.98	0.00
018-06FP_P17D002322	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.99	0.00
018-07FT_P17D002358	1.00	0.00	0.00	0.00	0.00	0.02	0.00	0.98	0.02	0.00
018-08FT_P17D002320	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
018-09FT_P17D002323	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
018-10FE_P17D002300	1.00	0.00	0.00	0.00	0.02	0.98	0.00	0.00	0.00	0.00
019-02FP_P19B002041	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
019-03FT_P19B000678	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
019-04FT_P07D002710	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
019-05FT_L13B002919	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
019-06FT_P18A001098	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
019-07FT_P18A001126	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
019-08FT_P18D002082	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
019-10FT_P08D001420	1.00	0.01	0.63	0.00	0.33	0.03	0.00	0.00	0.55	0.00
AtlanticAve3	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BarScreenChannels	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
BypassConduit1	1.00	0.55	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00
BypassConduit2	1.00	0.55	0.45	0.00	0.00	0.00	0.00	0.00	0.45	0.00
BypassConduit3	1.00	0.55	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00
CedarOutfall	1.00	0.02	0.00	0.00	0.96	0.01	0.00	0.00	0.00	0.00
CedarSewerCrossing	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.00	0.00
EatonSewerCrossing	1.00	0.07	0.88	0.00	0.05	0.00	0.00	0.00	0.78	0.00
FayetteSewerCrossing	1.00	0.07	0.92	0.00	0.00	0.00	0.00	0.00	0.92	0.00
F-SWIRL-DW1	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
F-SWIRL-OF	1.00	0.07	0.92	0.00	0.00	0.00	0.00	0.00	0.92	0.00
FultonStorm	1.00	0.55	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00
KPMagMeter	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
L13B005075	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
LibertySewerCrossing	1.00	0.00	0.00	0.00	0.05	0.00	0.00	0.95	0.00	0.00
P02A011271	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.99	0.00
P02A011275	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P02A011276	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00

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P02A011277	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
P03A010094	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
P03A011386	1.00	0.55	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P03A011399	1.00	0.00	0.00	0.00	0.06	0.94	0.00	0.00	1.00	0.00
P03A011400	1.00	0.00	0.00	0.00	0.90	0.10	0.00	0.00	0.89	0.00
P03A011419	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P03A011420	1.00	0.55	0.45	0.00	0.00	0.00	0.00	0.00	0.45	0.00
P03A011421	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00
P03A011422	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
P03A011423	1.00	0.00	0.00	0.00	0.90	0.10	0.00	0.00	0.98	0.00
P03A011425	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00
P03A011430	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.01	0.00
P03A011436	1.00	0.01	0.99	0.00	0.00	0.00	0.00	0.00	0.45	0.00
P03A011437	1.00	0.01	0.02	0.00	0.91	0.06	0.00	0.00	0.99	0.00
P03A011438	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
P03A011441	1.00	0.01	0.00	0.00	0.93	0.07	0.00	0.00	0.99	0.00
P03A011442	1.00	0.86	0.07	0.00	0.00	0.06	0.00	0.00	0.99	0.00
P03A011444	1.00	0.86	0.00	0.00	0.08	0.06	0.00	0.00	0.98	0.00
P03A011445	1.00	0.48	0.43	0.00	0.09	0.00	0.00	0.00	0.99	0.00
P03B011270	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P03B011296	1.00	0.01	0.78	0.00	0.15	0.07	0.00	0.00	0.93	0.00
P03B011319	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.94	0.00
P03B011324	1.00	0.00	0.00	0.00	0.72	0.00	0.00	0.28	0.00	0.00
P03B011326	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P03B011449	1.00	0.49	0.00	0.00	0.44	0.07	0.00	0.00	0.90	0.00
P03B017970	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P03B017973	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.96	0.00
P03C011231	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P03C011358	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
P03C011362	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.18	0.00
P03C011365	1.00	0.01	0.82	0.00	0.17	0.00	0.00	0.00	0.97	0.00
P03C011366	1.00	0.01	0.00	0.00	0.04	0.00	0.00	0.95	0.00	0.00
P03C011367a	1.00	0.96	0.01	0.00	0.01	0.00	0.00	0.02	0.21	0.00
P03C011368	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P03C011369	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P03C020062	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.99	0.00
P03D011193	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.94	0.00
P03D011197	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.79	0.00
P03D011198	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P03D011199	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.95	0.00
P03D011212	1.00	0.00	0.00	0.00	0.69	0.31	0.00	0.00	0.00	0.00
P03D011216	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
P03D011217	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.93	0.00
P03D011230	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P03D011234	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P03D011235	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P03D011237	1.00	0.00	0.00	0.00	0.06	0.00	0.00	0.94	0.00	0.00
P03D011253	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.97	0.00
P03D011256	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.94	0.00
P03D011257	1.00	0.01	0.00	0.00	0.97	0.02	0.00	0.00	0.82	0.00
P03D011259	1.00	0.00	0.88	0.00	0.12	0.00	0.00	0.00	0.99	0.00
P03D011363	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P03D011383	1.00	0.00	0.00	0.00	0.95	0.05	0.00	0.00	0.98	0.00
P03D011593	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
P03D011595	1.00	0.06	0.85	0.00	0.08	0.02	0.00	0.00	0.99	0.00
P03D011598	1.00	0.00	0.00	0.00	0.63	0.00	0.00	0.37	0.00	0.00
P03D011600	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P04A007117	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
P04A007185	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
P04A007193	1.00	0.85	0.07	0.00	0.08	0.00	0.00	0.00	0.99	0.00
P04A007220	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.85	0.00
P04A007224	1.00	0.85	0.07	0.00	0.08	0.00	0.00	0.00	0.98	0.00

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P04A017929	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.49	0.00
P04A017932	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
P04B011105	1.00	0.01	0.00	0.00	0.00	0.01	0.00	0.99	0.01	0.00
P04B011106	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P04B011107	1.00	0.01	0.96	0.00	0.03	0.00	0.00	0.00	0.93	0.00
P04B011108	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
P04B011109	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P04B011110	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P04B011111	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P04B011130	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P04B017939	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.97	0.00
P04C010905	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.02	0.00
P04C010913	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.96	0.00
P04C010914	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.99	0.00
P04C010915	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P04C010918	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P04C010919	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
P04C010951	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00
P04C010951a	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P04C010965	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
P04C010974	1.00	0.01	0.90	0.00	0.10	0.00	0.00	0.00	0.80	0.00
P04C010976	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00
P04C010993	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P04C011007	1.00	0.00	0.00	0.00	0.64	0.36	0.00	0.00	0.01	0.00
P04C011009	1.00	0.00	0.00	0.00	0.72	0.28	0.00	0.00	1.00	0.00
P04C011014	1.00	0.00	0.00	0.00	0.98	0.02	0.00	0.00	0.00	0.00
P04C011015	1.00	0.00	0.00	0.00	0.90	0.10	0.00	0.00	1.00	0.00
P04C011030	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
P04C011569	1.00	0.08	0.00	0.00	0.86	0.07	0.00	0.00	0.95	0.00
P04C011575	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P04C011579	1.00	0.00	0.00	0.00	0.09	0.91	0.00	0.00	0.00	0.00
P04C011580	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
P04C011587	1.00	0.01	0.77	0.00	0.22	0.00	0.00	0.00	0.97	0.00
P04C011707	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
P04C019721	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
P04C019722	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P04C019726	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P04C019738	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P04C019739	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P04C019741	1.00	0.99	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P04D006646	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P04D006882	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
P04D006998	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00
P04D006999	1.00	0.00	0.00	0.00	0.09	0.91	0.00	0.00	0.99	0.00
P04D007016	1.00	0.01	0.80	0.00	0.18	0.02	0.00	0.00	0.99	0.00
P04D007044	1.00	0.01	0.91	0.00	0.03	0.05	0.00	0.00	0.99	0.00
P04D007045	1.00	0.01	0.00	0.00	0.97	0.03	0.00	0.00	0.00	0.00
P04D007046	1.00	0.01	0.93	0.00	0.04	0.03	0.00	0.00	0.99	0.00
P04D007047	1.00	0.01	0.00	0.00	0.93	0.07	0.00	0.00	0.81	0.00
P04D007052	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
P04D007065	1.00	0.84	0.00	0.00	0.15	0.00	0.00	0.00	0.98	0.00
P04D007066	1.00	0.00	0.89	0.00	0.11	0.00	0.00	0.00	0.99	0.00
P04D007068	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
P04D007073	1.00	0.89	0.01	0.00	0.09	0.00	0.00	0.00	0.91	0.00
P04D007074	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P04D007100	1.00	0.31	0.00	0.00	0.65	0.04	0.00	0.00	0.89	0.00
P04D011003	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.87	0.00
P04D011568	1.00	0.08	0.03	0.00	0.89	0.00	0.00	0.00	0.47	0.00
P04D017936	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
P04D017938	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.02	0.00
P05C005364	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P05C005365	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00

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P05C005369	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P05C005370	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
P05C005434	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
P05C006654	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P05C006666	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P05C006685	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
P05C006693	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P05C006694	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P05C006699	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P05C006713	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
P05C006717	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P05C006718	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P05C006721	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P05C006725	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P05C006726	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P05D005381	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P05D005390	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
P05D005395	1.00	0.01	0.10	0.00	0.86	0.03	0.00	0.00	0.65	0.00
P05D005405	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.36	0.00
P05D019248	1.00	0.03	0.14	0.00	0.80	0.02	0.00	0.00	0.27	0.00
P07C001452	1.00	0.00	0.87	0.00	0.13	0.00	0.00	0.00	0.99	0.00
P07C001454	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00
P07C001458	1.00	0.01	0.87	0.00	0.12	0.00	0.00	0.00	0.84	0.00
P07C001462	1.00	0.47	0.39	0.00	0.14	0.00	0.00	0.00	0.78	0.00
P07C001463	1.00	0.47	0.00	0.00	0.53	0.00	0.00	0.00	0.76	0.00
P07C001464	1.00	0.86	0.00	0.00	0.14	0.00	0.00	0.00	0.77	0.00
P07C001470	1.00	0.84	0.00	0.00	0.16	0.00	0.00	0.00	0.73	0.00
P07C001471	1.00	0.84	0.00	0.00	0.16	0.00	0.00	0.00	0.67	0.00
P07C001472	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
P07C001473	1.00	0.01	0.87	0.00	0.13	0.00	0.00	0.00	0.96	0.00
P07C001474	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.67	0.00
P07C001475	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.80	0.00
P07C001482	1.00	0.01	0.07	0.00	0.91	0.02	0.00	0.00	0.69	0.00
P07C001483	1.00	0.13	0.00	0.00	0.87	0.00	0.00	0.00	0.32	0.00
P07C001491	1.00	0.01	0.00	0.00	0.93	0.07	0.00	0.00	0.74	0.00
P07C001493	1.00	0.32	0.00	0.00	0.68	0.00	0.00	0.00	0.92	0.00
P07C001494	1.00	0.43	0.00	0.00	0.57	0.00	0.00	0.00	0.74	0.00
P07C001532	1.00	0.00	0.00	0.00	0.01	0.99	0.00	0.00	1.00	0.00
P07C001533	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.94	0.00
P07C021561	1.00	0.35	0.00	0.00	0.65	0.00	0.00	0.00	0.85	0.00
P07D001517	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P07D001523	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
P07D001524	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P07D001527	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
P07D001528	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P07D001529	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P07D002709	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
P07D017896	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
P08A001553	1.00	0.11	0.80	0.00	0.09	0.00	0.00	0.00	0.68	0.00
P08A001572	1.00	0.11	0.00	0.00	0.85	0.04	0.00	0.00	0.81	0.00
P08A001579	1.00	0.01	0.64	0.00	0.34	0.01	0.00	0.00	0.82	0.00
P08A001591	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.73	0.00
P08A001592	1.00	0.01	0.16	0.00	0.82	0.01	0.00	0.00	0.85	0.00
P08A001595	1.00	0.44	0.00	0.00	0.51	0.05	0.00	0.00	0.56	0.00
P08A001611	1.00	0.00	0.90	0.00	0.08	0.01	0.00	0.00	0.99	0.00
P08A001612	1.00	0.00	0.00	0.00	0.27	0.73	0.00	0.00	0.03	0.00
P08A001618	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
P08A001619	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P08A001621	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
P08A001839	1.00	0.93	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P08A001840	1.00	0.93	0.00	0.00	0.07	0.00	0.00	0.00	0.94	0.00
P08B000172	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.05	0.00

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P08B000173	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P08B000174	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
P08B000175	1.00	0.00	0.00	0.00	0.80	0.20	0.00	0.00	1.00	0.00
P08B000176	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P08B000177	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
P08B000178	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P08B000184	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
P08B000185	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.55	0.00
P08B000237	1.00	0.93	0.00	0.00	0.06	0.00	0.00	0.00	0.99	0.00
P08B000239	1.00	0.93	0.00	0.00	0.07	0.00	0.00	0.00	0.93	0.00
P08B000240	1.00	0.01	0.93	0.00	0.07	0.00	0.00	0.00	0.99	0.00
P08B000241	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
P08B000242	1.00	0.87	0.00	0.00	0.12	0.01	0.00	0.00	0.87	0.00
P08B000276	1.00	0.00	0.00	0.00	0.98	0.02	0.00	0.00	0.00	0.00
P08B000277	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
P08B000278	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P08B000303	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P08B000305	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
P08B000306	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P08B001637	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
P08B001841	1.00	0.93	0.00	0.00	0.07	0.00	0.00	0.00	0.99	0.00
P08B002662	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
P08C001638	1.00	0.92	0.00	0.00	0.08	0.00	0.00	0.00	0.71	0.00
P08C001640	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P08C001642	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
P08C001648	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.99	0.00
P08C001650	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P08C001651	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
P08C001656	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P08C001660	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
P08C001671	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P08C001674	1.00	0.00	0.00	0.00	0.22	0.78	0.00	0.00	0.06	0.00
P08C001687	1.00	0.01	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P08C001688	1.00	0.92	0.00	0.00	0.08	0.00	0.00	0.00	0.92	0.00
P08C001689	1.00	0.10	0.82	0.00	0.08	0.00	0.00	0.00	0.99	0.00
P08C001690	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
P08C001713	1.00	0.01	0.86	0.00	0.13	0.00	0.00	0.00	0.15	0.00
P08C001725	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P08C001729	1.00	0.01	0.00	0.00	0.98	0.01	0.00	0.00	0.00	0.00
P08C001730	1.00	0.00	0.89	0.00	0.11	0.00	0.00	0.00	0.99	0.00
P08C001731	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.99	0.00
P08C001738	1.00	0.92	0.01	0.00	0.07	0.00	0.00	0.00	0.99	0.00
P08C001740	1.00	0.01	0.92	0.00	0.07	0.01	0.00	0.00	0.74	0.00
P08C001741	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
P08C001743	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
P08C001744	1.00	0.01	0.10	0.00	0.89	0.00	0.00	0.00	0.89	0.00
P08C001749	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
P08C001753	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P08C001754	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P08C001758	1.00	0.00	0.00	0.00	0.10	0.90	0.00	0.00	0.99	0.00
P08C001759	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.98	0.00
P08C001760	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P08C001844	1.00	0.93	0.00	0.00	0.07	0.00	0.00	0.00	0.84	0.00
P08C001845	1.00	0.01	0.93	0.00	0.07	0.00	0.00	0.00	0.98	0.00
P08C001846	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
P08C001849	1.00	0.00	0.00	0.00	0.99	0.01	0.00	0.00	0.00	0.00
P08C001860	1.00	0.00	0.00	0.00	0.83	0.17	0.00	0.00	1.00	0.00
P08D001412	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
P08D001421	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
P08D001484A	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
P08D001626	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P08D001834	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00

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P08D001835	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
P08D001861	1.00	0.92	0.00	0.00	0.08	0.00	0.00	0.00	0.96	0.00
P08D001867	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P08D001883	1.00	0.83	0.01	0.00	0.17	0.00	0.00	0.00	0.93	0.00
P08D001884	1.00	0.00	0.91	0.00	0.09	0.00	0.00	0.00	0.99	0.00
P08D001894	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.99	0.00
P08D001897	1.00	0.01	0.68	0.00	0.31	0.00	0.00	0.00	0.99	0.00
P08D001898	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.93	0.00
P08D001899	1.00	0.01	0.00	0.00	0.94	0.05	0.00	0.00	0.01	0.00
P08D001908	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
P08D001909	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P08D001929	1.00	0.82	0.18	0.00	0.00	0.00	0.00	0.00	0.55	0.00
P08D001941	1.00	0.82	0.00	0.00	0.18	0.00	0.00	0.00	0.76	0.00
P08D001942	1.00	0.93	0.00	0.00	0.06	0.00	0.00	0.00	0.99	0.00
P08D001943	1.00	0.93	0.01	0.00	0.06	0.00	0.00	0.00	0.98	0.00
P08D001945	1.00	0.92	0.00	0.00	0.07	0.00	0.00	0.00	0.99	0.00
P09A000218	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P09A000302	1.00	0.00	0.00	0.00	0.65	0.35	0.00	0.00	1.00	0.00
P09A000317	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P09A000319	1.00	0.00	0.00	0.00	0.00	0.98	0.00	0.02	0.98	0.00
P09A000327	1.00	0.00	0.00	0.00	0.15	0.85	0.00	0.00	0.00	0.00
P09A000328	1.00	0.00	0.00	0.00	0.00	0.40	0.00	0.60	0.37	0.00
P09A000329	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P09A000607	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
P09A000608	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
P09A002644	1.00	0.00	0.85	0.00	0.15	0.00	0.00	0.00	0.99	0.00
P09A006883	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P09B000428	1.00	0.10	0.00	0.00	0.87	0.03	0.00	0.00	0.49	0.00
P09B000431a	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.00	0.00
P09B000435	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.99	0.00	0.00
P09B000440	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P09B000441	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P09B000442	1.00	0.00	0.00	0.00	0.28	0.00	0.00	0.72	0.00	0.00
P09B000457	1.00	0.01	0.00	0.00	0.90	0.10	0.00	0.00	0.32	0.00
P09B000458	1.00	0.01	0.00	0.00	0.90	0.10	0.00	0.00	0.88	0.00
P09B000469	1.00	0.01	0.00	0.00	0.91	0.08	0.00	0.00	0.35	0.00
P09B000470	1.00	0.01	0.11	0.00	0.82	0.07	0.00	0.00	0.96	0.00
P09B000472a	1.00	0.99	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09B000473	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
P09B000475	1.00	0.01	0.00	0.00	0.05	0.00	0.00	0.94	0.00	0.00
P09B000476	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P09B000478a	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P09B000478b	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P09B000493	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P09B000501	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00
P09B000503	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P09B000505U	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09B000505V	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09B000505W	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09B000505X	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09B000505Y	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09B000505Z	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09B000514	1.00	0.00	0.00	0.00	0.02	0.22	0.00	0.76	0.24	0.00
P09B000516	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P09B000520	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P09B000521	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.56	0.00
P09B000521A	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P09B000524	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09B000537	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00
P09B000540	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00
P09B000550	1.00	0.00	0.00	0.00	0.02	0.98	0.00	0.00	0.05	0.00
P09B000553	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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P09B000554	1.00	0.98	0.01	0.00	0.01	0.00	0.00	0.00	0.97	0.00
P09B000554a	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59	0.00
P09B000555	1.00	0.00	0.98	0.00	0.02	0.00	0.00	0.00	0.98	0.00
P09B000556	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P09B000561	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00
P09B000562	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
P09B000571	1.00	0.01	0.87	0.00	0.02	0.10	0.00	0.00	0.99	0.00
P09B000573	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.55	0.00
P09B000577	1.00	0.01	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09B000780W	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09B000780X	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09B000780XX	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00
P09B000815X	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.00
P09B000815Z	1.00	0.23	0.00	0.00	0.77	0.00	0.00	0.00	0.00	0.00
P09B000815ZZ	1.00	0.24	0.00	0.00	0.75	0.00	0.00	0.00	0.60	0.00
P09B000815ZZa	1.00	0.07	0.00	0.00	0.92	0.01	0.00	0.00	0.00	0.00
P09B000826F	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09B000826X	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09B000826XX	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09B000826Y	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09B000826Z	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09B000904W	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09B000904X	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09B000910I	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09B000910Y	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09B000910Z	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09B000964b	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09B001025X	1.00	0.55	0.45	0.00	0.00	0.00	0.00	0.00	0.45	0.00
P09B001025Y	1.00	0.55	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00
P09B001025Z	1.00	0.55	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00
P09B002665	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
P09B019743	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00
P09B019745	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P09B019746	1.00	0.01	0.00	0.00	0.92	0.07	0.00	0.00	0.85	0.00
P09B019749	1.00	0.00	0.92	0.00	0.08	0.00	0.00	0.00	0.99	0.00
P09B019752	1.00	0.07	0.00	0.00	0.00	0.00	0.00	0.93	0.00	0.00
P09B019753	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P09B019756	1.00	0.00	0.00	0.00	0.03	0.00	0.00	0.97	0.00	0.00
P09B019757	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P09B019758	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P09B019759	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.33	0.00
P09B019761	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P09B019762	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P09B019763	1.00	0.00	0.00	0.00	0.89	0.11	0.00	0.00	0.00	0.00
P09B019765	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P09B019767	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P09B019768	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P09B019771	1.00	0.07	0.00	0.00	0.00	0.00	0.93	0.00	0.00	0.00
P09B019772	1.00	0.07	0.92	0.00	0.01	0.00	0.00	0.00	0.92	0.00
P09B019776	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.77	0.00
P09B019777	1.00	0.07	0.00	0.00	0.00	0.00	0.00	0.93	0.00	0.00
P09B019779	1.00	0.07	0.00	0.00	0.00	0.00	0.00	0.93	0.00	0.00
P09B019780	1.00	0.07	0.00	0.00	0.92	0.00	0.00	0.00	0.00	0.00
P09B019780b	1.00	0.07	0.00	0.00	0.00	0.00	0.00	0.92	0.00	0.00
P09B019782	1.00	0.07	0.00	0.00	0.00	0.00	0.00	0.93	0.00	0.00
P09B019783	1.00	0.07	0.00	0.00	0.92	0.00	0.00	0.00	0.00	0.00
P09B019891	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P09B019892	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P09B020925	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.99	0.00	0.00
P09B020926	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.99	0.00	0.00
P09B020928	1.00	0.00	0.00	0.00	0.01	0.99	0.00	0.00	0.00	0.00
P09B020934	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00

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P09B020935	1.00	0.00	0.00	0.00	0.05	0.01	0.00	0.94	0.05	0.00
P09B021053	1.00	0.55	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00
P09B021054	1.00	0.55	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00
P09B021055	1.00	0.55	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09B021056	1.00	0.55	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00
P09C000579	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P09C000586	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
P09C000587	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
P09C000589	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.04	0.00
P09C000590	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.02	0.00
P09C000591	1.00	0.00	0.00	0.00	0.01	0.99	0.00	0.00	1.00	0.00
P09C000594	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P09C000595	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P09C000596	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P09C000599	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.99	0.01	0.00
P09C000603	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P09C001146W	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09C001146X	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09C001146Y	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09C001146Z	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09C019063	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.99	0.00	0.00
P09D000732	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P09D000735	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P09D000736a	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09D000736b	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09D000736c	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09D000740	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P09D000741	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P09D000759	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
P09D000765	1.00	0.01	0.00	0.00	0.05	0.03	0.00	0.91	0.08	0.00
P09D000766	1.00	0.01	0.90	0.00	0.09	0.00	0.00	0.00	0.65	0.00
P09D000801	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P09D000804	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P09D000811	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.02	0.00
P09D000813	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
P09D000816	1.00	0.00	0.00	0.00	0.99	0.01	0.00	0.00	0.00	0.00
P09D001389Y	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09D001389Z	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P09D001705	1.00	0.01	0.93	0.00	0.07	0.00	0.00	0.00	0.99	0.00
P09D001706	1.00	0.71	0.01	0.00	0.00	0.00	0.00	0.28	0.50	0.00
P09D001707	1.00	0.57	0.02	0.00	0.03	0.00	0.00	0.38	0.64	0.00
P09D001708	1.00	0.01	0.00	0.00	0.07	0.00	0.00	0.93	0.71	0.00
P09D001709	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
P09D001710	1.00	0.01	0.90	0.00	0.09	0.00	0.00	0.00	0.99	0.00
P09D001711	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00
P09D001775	1.00	0.71	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P10A000278V	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P10A000278W	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P10A000278X	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P10A000278Z	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P10A000824	1.00	0.01	0.00	0.00	0.01	0.00	0.00	0.99	0.00	0.00
P10A000825	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P10A000827	1.00	0.01	0.00	0.00	0.01	0.00	0.00	0.99	0.00	0.00
P10A000851	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P10A000852	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P10A000858	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P10A000860	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P10A000861	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.96	0.00
P10A000865	1.00	0.00	0.00	0.00	0.03	0.00	0.00	0.97	0.00	0.00
P10A000867	1.00	0.90	0.00	0.00	0.10	0.00	0.00	0.00	0.98	0.00
P10A000868	1.00	0.01	0.90	0.00	0.10	0.00	0.00	0.00	0.90	0.00
P10A000869	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00

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P10A000870	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
P10A000871	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
P10A002657	1.00	0.01	0.05	0.00	0.89	0.00	0.00	0.05	0.90	0.00
P10A002658	1.00	0.01	0.00	0.00	0.00	0.02	0.00	0.98	0.02	0.00
P10A002659	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
P10A019754	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P10A019755	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.00	0.00
P10A019781	1.00	0.07	0.00	0.00	0.00	0.00	0.00	0.93	0.00	0.00
P16A001036	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
P16A002614	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P16A002615	1.00	0.00	0.00	0.00	0.07	0.00	0.00	0.93	0.00	0.00
P16A002617	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P16A002618	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P16A002619	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P16A002623	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P16A002624	1.00	0.00	0.00	0.00	0.02	0.98	0.00	0.00	0.92	0.00
P16A002626	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.99	0.01	0.00
P16A002627	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P16A002628	1.00	0.00	0.00	0.00	0.02	0.98	0.00	0.00	0.98	0.00
P16A002629	1.00	0.00	0.00	0.00	0.07	0.93	0.00	0.00	0.00	0.00
P16A002632Y	1.00	0.02	0.00	0.00	0.00	0.00	0.00	0.97	0.00	0.00
P16A002632Ya	1.00	0.02	0.96	0.00	0.00	0.01	0.00	0.00	0.97	0.00
P16A021582	1.00	0.01	0.90	0.00	0.09	0.00	0.00	0.00	0.99	0.00
P17A000954	1.00	0.24	0.05	0.00	0.68	0.03	0.00	0.00	0.73	0.00
P17A000956	1.00	0.34	0.04	0.00	0.60	0.02	0.00	0.00	0.83	0.00
P17A000957	1.00	0.54	0.00	0.00	0.43	0.03	0.00	0.00	0.56	0.00
P17A001289	1.00	0.89	0.03	0.00	0.08	0.00	0.00	0.00	0.99	0.00
P17A001291	1.00	0.00	0.89	0.00	0.11	0.00	0.00	0.00	0.99	0.00
P17A001292	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P17A001296	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00
P17A002641	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.01	0.00
P17B000622	1.00	0.00	0.92	0.00	0.08	0.00	0.00	0.00	0.99	0.00
P17B000628	1.00	0.20	0.00	0.00	0.74	0.06	0.00	0.00	0.46	0.00
P17B000629	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.36	0.00
P17B000986	1.00	0.00	0.88	0.00	0.12	0.00	0.00	0.00	0.96	0.00
P17B000988	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
P17B000990	1.00	0.01	0.00	0.00	0.97	0.02	0.00	0.00	0.11	0.00
P17B000991	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
P17B000992	1.00	0.01	0.39	0.00	0.56	0.05	0.00	0.00	0.85	0.00
P17B000997	1.00	0.01	0.00	0.00	0.99	0.01	0.00	0.00	0.11	0.00
P17B000998	1.00	0.01	0.88	0.00	0.10	0.01	0.00	0.00	0.54	0.00
P17B001002	1.00	0.01	0.18	0.00	0.76	0.05	0.00	0.00	0.92	0.00
P17B001003	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.08	0.00
P17B001004	1.00	0.01	0.89	0.00	0.10	0.00	0.00	0.00	0.98	0.00
P17B001005	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
P17B001007	1.00	0.01	0.38	0.00	0.61	0.00	0.00	0.00	0.66	0.00
P17B001014	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.96	0.00
P17B001015	1.00	0.01	0.00	0.00	0.96	0.04	0.00	0.00	0.92	0.00
P17B001018	1.00	0.01	0.00	0.00	0.97	0.02	0.00	0.00	0.96	0.00
P17B001019	1.00	0.01	0.00	0.00	0.97	0.03	0.00	0.00	0.94	0.00
P17B001021	1.00	0.01	0.00	0.00	0.96	0.04	0.00	0.00	0.94	0.00
P17B001022	1.00	0.01	0.00	0.00	0.96	0.03	0.00	0.00	0.98	0.00
P17B001035	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
P17B001059	1.00	0.58	0.00	0.00	0.42	0.00	0.00	0.00	0.56	0.00
P17B001060	1.00	0.88	0.03	0.00	0.09	0.00	0.00	0.00	0.99	0.00
P17B002039V	1.00	0.99	0.00	0.00	0.00	0.01	0.00	0.00	0.99	0.00
P17B002039Va	1.00	0.99	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00
P17B002039X	1.00	0.99	0.00	0.00	0.00	0.01	0.00	0.00	0.98	0.00
P17B002039Y	1.00	0.01	0.98	0.00	0.00	0.01	0.00	0.00	0.98	0.00
P17B002039Z	1.00	0.01	0.00	0.00	0.98	0.01	0.00	0.00	0.00	0.00
P17B002292	1.00	0.00	0.00	0.00	0.96	0.04	0.00	0.00	0.97	0.00
P17B002609	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00

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P17B002611	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P17B002612	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P17C002268	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.01	0.00
P17C002270	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P17C002272	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P17C002273	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P17C002281	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P17C002287	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P17C002293	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.99	0.00
P17C002295	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P17C002296	1.00	0.00	0.00	0.00	0.39	0.61	0.00	0.00	0.98	0.00
P17D002265	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P17D002266	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P17D002267	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.15	0.00
P17D002298	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P17D002299	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P17D002301	1.00	0.00	0.00	0.00	0.02	0.98	0.00	0.00	0.00	0.00
P17D002302	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P17D002314	1.00	0.91	0.01	0.00	0.08	0.00	0.00	0.00	0.99	0.00
P17D002315	1.00	0.00	0.91	0.00	0.08	0.00	0.00	0.00	0.99	0.00
P17D002317	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
P17D002318	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.98	0.00
P17D002324	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.99	0.00
P17D002326	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
P17D002328	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
P17D002329	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00
P17D002330	1.00	0.39	0.00	0.00	0.59	0.02	0.00	0.00	0.57	0.00
P17D002332	1.00	0.00	0.90	0.00	0.09	0.00	0.00	0.00	0.99	0.00
P17D002344	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P17D002347	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
P17D002358W	1.00	0.98	0.00	0.00	0.00	0.02	0.00	0.00	0.97	0.00
P17D002358X	1.00	0.97	0.00	0.00	0.00	0.02	0.00	0.00	0.98	0.00
P17D002358Y	1.00	0.01	0.97	0.00	0.01	0.02	0.00	0.00	0.97	0.00
P17D002358Z	1.00	0.01	0.00	0.00	0.97	0.02	0.00	0.00	0.00	0.00
P17D002359	1.00	0.00	0.00	0.00	0.83	0.17	0.00	0.00	0.97	0.00
P17D002643	1.00	0.39	0.51	0.00	0.09	0.01	0.00	0.00	0.95	0.00
P17D002720	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P18A001069	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P18A001072	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P18A001096	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.96	0.00
P18A001097	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
P18A001099	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P18A001105	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P18A001114	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P18A001125	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P18A001127	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
P18A017897	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P18A017900	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
P18B001226	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P18B001227	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.87	0.00
P18B001228	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.09	0.00
P18B001229	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.99	0.00
P18B001552	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.98	0.00
P18C000726	1.00	0.35	0.00	0.00	0.65	0.00	0.00	0.00	0.54	0.00
P18C002048	1.00	0.00	0.00	0.00	0.02	0.98	0.00	0.00	0.99	0.00
P18C002049	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.99	0.00
P18C002050	1.00	0.00	0.00	0.00	0.12	0.88	0.00	0.00	0.00	0.00
P18C002051	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.94	0.00
P18C002052	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
P18C002053	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P18D002047	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
P18D002181	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00

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P18D002182	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.99	0.00
P18D002183	1.00	0.00	0.00	0.00	0.96	0.04	0.00	0.00	0.00	0.00
P19A000708	1.00	0.00	0.93	0.00	0.06	0.01	0.00	0.00	0.99	0.00
P19B000677	1.00	0.00	0.00	0.00	0.78	0.22	0.00	0.00	0.99	0.00
P19B000679	1.00	0.56	0.02	0.00	0.36	0.05	0.00	0.00	0.54	0.00
P19B000681	1.00	0.93	0.01	0.00	0.07	0.00	0.00	0.00	0.97	0.00
P19B000682	1.00	0.75	0.00	0.00	0.23	0.02	0.00	0.00	0.62	0.00
P19B000685	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
P19B000690	1.00	0.01	0.00	0.00	0.98	0.01	0.00	0.00	0.00	0.00
P19B000703	1.00	0.01	0.91	0.00	0.08	0.00	0.00	0.00	0.99	0.00
P19B000704	1.00	0.01	0.00	0.00	0.98	0.01	0.00	0.00	0.00	0.00
P19B000705	1.00	0.01	0.92	0.00	0.06	0.01	0.00	0.00	0.98	0.00
P19B002031	1.00	0.92	0.00	0.00	0.07	0.00	0.00	0.00	0.82	0.00
P19B002034	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P19B002035	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P19B002043	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
P19B002054	1.00	0.00	0.00	0.00	0.98	0.02	0.00	0.00	1.00	0.00
P19B002055	1.00	0.00	0.00	0.00	0.97	0.03	0.00	0.00	0.00	0.00
P19B002056	1.00	0.00	0.91	0.00	0.09	0.00	0.00	0.00	0.99	0.00
P19B017901_1	1.00	0.01	0.96	0.00	0.03	0.00	0.00	0.00	0.93	0.00
P19B017901_2	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
P20A002002	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P20A002004	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P20A002015	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P20A002016	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P20A002017	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P20A002018	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P20A002021	1.00	0.01	0.00	0.00	0.97	0.02	0.00	0.00	0.00	0.00
P20A002022	1.00	0.00	0.00	0.00	0.15	0.20	0.00	0.65	0.11	0.00
P20A002023	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P20A002024	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P20A002471Z	1.00	0.01	0.92	0.00	0.08	0.00	0.00	0.00	0.99	0.00
P20A002728	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
P20A020380	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
PF1(E-Swirl0F)	1.00	0.07	0.92	0.00	0.00	0.00	0.00	0.00	0.92	0.00
PF8(E-SWIRL-DW)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
PL4(Hamilton0F)	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R26A009356	1.00	0.00	0.00	0.00	0.97	0.03	0.00	0.00	1.00	0.00
R26A009357	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
R26A009358	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00
R26A009359	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
R26A009365	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
R26A009366	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00
R26A011484	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
R26A011485	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00
R26B009414	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.99	0.00
R26B009415	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00	0.99	0.00
R26B009416	1.00	0.75	0.01	0.00	0.25	0.00	0.00	0.00	0.99	0.00
R26B009417	1.00	0.74	0.01	0.00	0.25	0.00	0.00	0.00	0.99	0.00
R26B009418	1.00	0.73	0.01	0.00	0.26	0.00	0.00	0.00	0.75	0.00
R26B009419	1.00	0.01	0.73	0.00	0.27	0.00	0.00	0.00	0.99	0.00
R26C008749	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00
R26C008750	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.34	0.00
R26C008751	1.00	0.01	0.23	0.00	0.77	0.00	0.00	0.00	0.95	0.00
R26C008752	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.34	0.00
R26C008753	1.00	0.01	0.43	0.00	0.56	0.00	0.00	0.00	0.94	0.00
R26C008754	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.15	0.00
R26C008755	1.00	0.00	0.62	0.00	0.38	0.00	0.00	0.00	0.99	0.00
R26D008720	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
R26D008721	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
R26D008724	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00
R26D008725	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00

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R26D011489	1.00	0.55	0.45	0.00	0.00	0.00	0.00	0.00	0.45	0.00
R27B009153	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00
R27B009154	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
R27B009164	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00
R27B009645	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
R27B009916	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
R27B009917	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00
R27B009918	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00
R27B009946	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00
R27C009714	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
R27C009716	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R27C009717	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R27C009883	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R27C009884	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
R27C009888	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
R27C009889	1.00	0.00	0.00	0.00	0.96	0.04	0.00	0.00	0.00	0.00
R27C009890	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
R27C009893	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R27C009902	1.00	0.99	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
R27C009903	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
R27C009904	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.05	0.00
R27C009905	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.99	0.00
R27C009906	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
R27C009907	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.97	0.00
R27C009908	1.00	0.00	0.00	0.00	0.97	0.03	0.00	0.00	0.00	0.00
R27C009909	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.13	0.00
R27C009910	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.95	0.00
R27C009919	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
R27C009920	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00
R27C009930	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
R27C009931	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
R27C011486	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
R27D009715	1.00	0.00	0.00	0.00	0.01	0.99	0.00	0.00	0.00	0.00
R33B010055	1.00	0.01	0.00	0.00	0.98	0.01	0.00	0.00	0.98	0.00
R33B010708	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
R33B010839	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
R33B010850	1.00	0.01	0.00	0.00	0.97	0.02	0.00	0.00	0.71	0.00
R33B010851	1.00	0.00	0.92	0.00	0.08	0.00	0.00	0.00	0.99	0.00
R33B010853	1.00	0.00	0.00	0.00	0.91	0.09	0.00	0.00	1.00	0.00
R33B010854	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
R33B010857	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
R33B010861	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
R33B010862	1.00	0.01	0.89	0.00	0.11	0.00	0.00	0.00	0.99	0.00
R33B010900	1.00	0.32	0.01	0.00	0.60	0.07	0.00	0.00	0.88	0.00
R33B010901	1.00	0.00	0.91	0.00	0.09	0.00	0.00	0.00	0.99	0.00
R33B010902	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
R33B010903	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
R33B010904	1.00	0.00	0.00	0.00	0.66	0.34	0.00	0.00	0.00	0.00
R33B011555	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.98	0.00
R33C005759	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
R33C005762	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
R33C010707	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
R33C010728	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
R33C010729	1.00	0.00	0.00	0.00	0.78	0.22	0.00	0.00	1.00	0.00
R33C010734	1.00	0.01	0.91	0.00	0.08	0.01	0.00	0.00	0.95	0.00
R33C010736	1.00	0.01	0.00	0.00	0.95	0.04	0.00	0.00	0.00	0.00
R33C010741	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
R33C010742	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.91	0.00
R33C010743	1.00	0.56	0.35	0.00	0.09	0.00	0.00	0.00	0.91	0.00
R33C010744	1.00	0.01	0.56	0.00	0.43	0.01	0.00	0.00	0.64	0.00
R33C010745	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
R33C010750	1.00	0.00	0.00	0.00	0.81	0.19	0.00	0.00	0.01	0.00

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R33C010751	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
R33C010752	1.00	0.00	0.89	0.00	0.11	0.00	0.00	0.00	0.99	0.00
R33C010767+R33C010773	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
R33C011041	1.00	0.90	0.02	0.00	0.03	0.05	0.00	0.00	0.98	0.00
R33C011042	1.00	0.01	0.89	0.00	0.10	0.00	0.00	0.00	0.99	0.00
R33C011043	1.00	0.90	0.00	0.00	0.09	0.01	0.00	0.00	0.99	0.00
R33C011044	1.00	0.01	0.89	0.00	0.10	0.00	0.00	0.00	0.99	0.00
R33C011045	1.00	0.01	0.00	0.00	0.93	0.07	0.00	0.00	0.00	0.00
R33D005763	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
R33D005764	1.00	0.00	0.00	0.00	0.31	0.69	0.00	0.00	0.02	0.00
R33D005765	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
R33D005774	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R33D005775	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R33D005776	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R33D005777	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R33D005778	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R33D005779	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00
R33D005783	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
R33D005784	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
R33D005948	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R33D021115	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
R34A010649	1.00	0.01	0.00	0.00	0.93	0.06	0.00	0.00	0.99	0.00
R34A010651	1.00	0.01	0.00	0.00	0.96	0.03	0.00	0.00	0.92	0.00
R34A010652	1.00	0.01	0.07	0.00	0.87	0.05	0.00	0.00	0.89	0.00
R34A010653	1.00	0.01	0.00	0.00	0.90	0.09	0.00	0.00	0.03	0.00
R34A010658	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
R34A010662	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00
R34A010663	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
R34A010664	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.96	0.00
R34A020998	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.74	0.00
R34A020999	1.00	0.00	0.89	0.00	0.11	0.00	0.00	0.00	0.99	0.00
R34D010473	1.00	0.00	0.00	0.00	0.38	0.62	0.00	0.00	0.97	0.00
R34D010474	1.00	0.00	0.00	0.00	0.20	0.80	0.00	0.00	0.07	0.00
R34D010483	1.00	0.50	0.18	0.00	0.32	0.00	0.00	0.00	0.65	0.00
R34D010484	1.00	0.70	0.00	0.00	0.30	0.00	0.00	0.00	0.53	0.00
R34D010485	1.00	0.74	0.00	0.00	0.25	0.00	0.00	0.00	0.99	0.00
R34D010486	1.00	0.01	0.74	0.00	0.26	0.00	0.00	0.00	0.99	0.00
R34D010487	1.00	0.01	0.00	0.00	0.96	0.03	0.00	0.00	0.00	0.00
R34D010488	1.00	0.40	0.34	0.00	0.26	0.00	0.00	0.00	0.40	0.00
R34D010489	1.00	0.40	0.00	0.00	0.60	0.00	0.00	0.00	0.51	0.00
R34D010490	1.00	0.74	0.00	0.00	0.26	0.00	0.00	0.00	0.96	0.00
R34D010491	1.00	0.00	0.74	0.00	0.26	0.00	0.00	0.00	0.99	0.00
R34D010492	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
R34D010496	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00
R34D010497	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00
R34D010499	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
R34D010500	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
R34D010690	1.00	0.00	0.00	0.00	0.98	0.02	0.00	0.00	0.00	0.00
R34D020997	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.11	0.00
R35A010409	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.01	0.00
R35A010410	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
R35A010411	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.99	0.00
R35A010412	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00
R35A010413	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
R35A010414	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
R35A010429	1.00	0.55	0.00	0.00	0.45	0.00	0.00	0.00	0.45	0.00
R35A010430	1.00	0.55	0.45	0.00	0.00	0.00	0.00	0.00	0.45	0.00
R35A010431	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
R35A010432	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00
R35A010433	1.00	0.55	0.00	0.00	0.45	0.00	0.00	0.00	0.45	0.00
R35A010434	1.00	0.55	0.00	0.00	0.45	0.00	0.00	0.00	0.45	0.00
R35A010435	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00

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R35A010436	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.98	0.00
R35A010437	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
R35A010438	1.00	0.55	0.00	0.00	0.45	0.00	0.00	0.00	0.45	0.00
R35A010439	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
R35A010440	1.00	0.55	0.00	0.00	0.00	0.00	0.00	0.45	0.45	0.00
R35A010441	1.00	0.55	0.00	0.00	0.45	0.00	0.00	0.00	0.45	0.00
R35A010447	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00
R35A011487	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00
R35A011488	1.00	0.55	0.00	0.00	0.45	0.00	0.00	0.00	0.45	0.00
R35A017947	1.00	0.55	0.00	0.00	0.45	0.00	0.00	0.00	0.45	0.00
R35A017948	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
R35A017951	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
R35A017952	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
R35A017979	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
R35D010315	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.99	0.00
R35D010359	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
R35D017955	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
R35D017957	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
R35D017959	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.13	0.00
R35D017960	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00
R35D017962	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
R35D017965	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00
R35D017966	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
R35D018403	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00
RFMagMeter	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
SangerOFN	1.00	0.98	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00
SangerSewerCrossing	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00
SouthDiversion	1.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
SouthDiversionDW	1.00	0.00	0.00	0.00	0.03	0.00	0.00	0.97	0.03	0.00
SouthDiversionOF	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SouthSewerCrossing	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
SouthWashingtonOutfall	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00										
TF1(S-C_StoreOF)	1.00	0.07	0.00	0.00	0.92	0.00	0.00	0.00	0.00	0.00
TF10(Franklin)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
TF11(WalnutDW)	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00
TF12(StateDW)	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00
TF14(CedarDW)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.98	0.00
TF15(SouthDW)	1.00	0.00	0.00	0.00	0.01	0.99	0.00	0.00	0.98	0.00
TF16(SangerDW)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
TF17(DarstDW)	1.00	0.00	0.00	0.00	0.01	0.99	0.00	0.00	0.00	0.00
TF2(fromUpC)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
TF20(F-SwirlIN)	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.99	0.00	0.00
TF22(toWestern&Smith)	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00
TF23-PF5(FultonOF)	1.00	0.55	0.45	0.00	0.00	0.00	0.00	0.00	0.45	0.00
TF24(F-SwirlOF)	1.00	0.07	0.00	0.00	0.00	0.00	0.00	0.93	0.00	0.00
TF25(E-SwirlOF)	1.00	0.07	0.00	0.00	0.00	0.00	0.00	0.93	0.00	0.00
TF26-PF6(CedarOF)	1.00	0.97	0.00	0.00	0.02	0.01	0.00	0.00	0.95	0.00
TF27-PF9(DarstOF)	1.00	0.75	0.06	0.00	0.15	0.04	0.00	0.00	0.76	0.00
TF28-PF7(SouthOF)	1.00	0.99	0.00	0.00	0.01	0.00	0.00	0.00	0.99	0.00
TF29(SangerOF)	1.00	0.98	0.00	0.00	0.02	0.00	0.00	0.00	0.97	0.00
TF4(S-CStorage)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.96	0.00
TF5(E-SwirlDW)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.12	0.00
TF8(LibertyDW)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
TF9(HarrisonDW)	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
toCedarRegE	1.00	0.01	0.00	0.00	0.01	0.00	0.00	0.98	0.00	0.00
toCedarRegN	1.00	0.00	0.00	0.00	0.00	0.01	0.00	0.99	0.01	0.00
toFayetteRegN	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
toFayetteRegW	1.00	0.01	0.00	0.00	0.08	0.00	0.00	0.91	0.00	0.00
toGreenReg	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
toHamiltonReg	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
toHarrisonReg	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00

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toLibertyReg	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
toMainReg	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
toWalnutReg	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
WalnutBoxCulvert	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.08	0.00
WaterOF	1.00	0.77	0.00	0.00	0.22	0.01	0.00	0.00	0.78	0.00
WWTP	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.01	0.00

Conduit Surcharge Summary

Conduit	----- Both Ends	Hours Full Upstream	----- Dnstream	Hours Above Full Normal Flow	Hours Capacity Limited	
000-05FT_P09C000597	17.85	17.98	21.25	7.99	1.98	
000-06FT_P03B011320	3.80	3.80	3.82	0.01	0.64	
000-07FT_R27B009644	0.01	1.08	0.01	2.87	0.01	
000-09FT+000-08FT_R27D009713		0.01	2.33	0.01	4.68	0.01
003-03FP_P03C011367	0.01	0.01	0.91	0.01	0.01	
003-06FT_StormConduit	0.70	0.83	0.71	0.01	0.69	
006-03FP_P09B000707a	0.01	0.01	45.72	0.01	0.01	
007-03FP_P09B000474	0.75	0.75	0.97	0.01	0.01	
007-04FT_P09B000431	29.55	31.18	29.56	758.90	28.95	
009-02FP_P09B020927	28.24	28.24	43.30	0.01	0.01	
009-03FT_P09B000518	0.01	0.01	1.07	0.01	0.01	
017-04FT_P17C002297	0.01	75.92	0.01	82.75	0.01	
018-02LE_P17D002325	0.01	0.93	0.01	0.01	0.01	
018-08FT_P17D002320	0.01	0.01	0.91	0.01	0.01	
018-10FE_P17D002300	0.51	0.83	0.51	0.90	0.51	
019-03FT_P19B000678	1.12	1.25	1.89	0.11	1.12	
CedarOutfall	0.01	0.72	0.01	0.01	0.01	
CedarSewerCrossing	5.87	5.87	7.16	0.01	1.69	
F-SWIRL-DW1	174.69	174.69	179.64	126.09	126.13	
KPMagMeter	8759.26	8759.26	8759.42	0.01	8.91	
LibertySewerCrossing	37.84	42.69	37.84	158.76	37.84	
P02A011271	3.57	3.57	3.68	0.01	0.67	
P02A011275	3.56	3.56	3.57	3.29	3.29	
P02A011276	3.47	3.47	3.56	0.01	0.01	
P02A011277	3.28	3.28	3.56	0.01	0.01	
P03B011270	3.68	3.68	3.82	2.03	1.85	
P03B011319	3.82	3.82	9.72	0.01	0.01	
P03B011324	3.88	3.89	3.92	4.29	3.46	
P03B011326	3.91	3.92	3.91	9.39	2.97	
P03B017970	3.88	3.89	3.89	5.21	2.76	
P03B017973	3.78	3.82	3.89	4.63	3.49	
P03C011231	4.28	4.28	5.97	0.01	0.05	
P03C011362	3.91	3.91	4.50	2.77	2.71	
P03C011365	44.42	44.42	53.49	0.01	0.02	
P03C011366	53.44	53.49	53.53	19.47	22.46	
P03C011367a	1.14	1.14	300.81	0.01	0.01	
P03C011368	6.07	6.07	7.52	0.01	0.07	
P03C011369	4.26	7.16	4.28	22.38	4.06	
P03C020062	0.01	0.01	53.53	0.01	0.01	
P03D011197	75.70	75.78	77.42	4.03	0.47	
P03D011198	77.33	77.42	79.37	3.69	0.39	
P03D011199	79.32	79.37	84.04	0.79	0.22	
P03D011230	4.01	4.64	4.02	32.15	3.95	
P03D011234	4.80	4.89	5.42	8.51	3.97	
P03D011235	5.39	5.42	6.74	3.75	3.46	

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P03D0011237	4.02	4.02	4.89	0.01	0.07
P03D0011363	74.72	74.90	75.78	8.18	1.68
P03D0011598	6.34	6.74	6.65	15.20	5.10
P03D0011600	6.65	6.65	11.83	3.28	3.21
P04D0007044	2.77	2.77	4.11	0.01	0.01
P04D0007045	2.87	2.95	2.88	7.81	2.17
P04D0007046	2.58	2.58	2.83	0.01	0.01
P04D0007047	1.73	1.73	2.67	0.01	0.01
P04D0007052	1.69	5.78	1.69	6.86	1.69
P05C0005369	0.01	0.01	0.01	0.07	0.01
P07C0001532	0.01	0.01	1.02	0.01	0.01
P07D0001523	1.08	1.08	1.13	0.11	0.02
P07D0001524	1.13	1.13	1.32	1.32	1.13
P07D0017896	0.01	0.01	0.05	0.01	0.01
P08C0001640	0.01	0.01	0.01	3.60	0.01
P08C0001725	0.01	0.01	0.01	0.65	0.01
P08C0001730	0.01	0.01	6.84	0.01	0.01
P08C0001741	0.01	0.01	0.39	0.01	0.01
P08C0001744	0.01	0.01	0.01	0.97	0.01
P08C0001760	0.01	0.01	0.01	0.53	0.01
P08D0001884	0.01	0.01	0.68	0.01	0.01
P08D0001909	0.01	0.01	0.01	0.85	0.01
P09A0002644	0.01	0.01	1.07	0.01	0.01
P09B0000431a	56.08	56.61	56.53	30.20	29.85
P09B0000435	27.98	29.32	28.89	36.52	24.72
P09B0000440	13.28	22.35	13.28	83.32	13.28
P09B0000441	45.03	46.14	45.03	107.48	44.81
P09B0000442	39.36	45.03	39.36	136.56	39.36
P09B0000473	0.01	0.01	0.01	0.84	0.01
P09B0000476	37.39	39.36	37.39	105.88	37.24
P09B0000478a	34.49	37.39	34.49	90.03	34.41
P09B0000478b	31.85	34.49	31.85	81.06	31.64
P09B0000503	0.01	0.01	0.58	0.01	0.01
P09B0000514	1.97	1.97	8.95	0.01	0.01
P09B0000516	1.90	1.90	1.92	0.01	0.01
P09B0000550	10.56	21.61	28.85	0.01	1.01
P09B0000554	13.33	13.33	26.39	0.01	0.01
P09B0000555	26.39	26.39	128.29	0.01	0.01
P09B0000556	150.12	150.12	1192.48	45.42	45.68
P09B019749	0.01	0.01	0.27	0.01	0.01
P09B019753	1192.48	1192.48	8758.97	29.62	80.62
P09B019756	42.87	43.59	43.00	58.83	29.37
P09B019757	42.49	42.51	43.00	7085.16	0.26
P09B019758	7.07	7.07	8.50	0.01	0.01
P09B019759	1.86	1.86	3.46	0.01	0.01
P09B019761	18.40	18.40	21.44	0.01	0.01
P09B019762	16.47	16.47	26.21	0.01	0.01
P09B019763	16.47	16.47	22.35	0.01	0.01
P09B019765	96.78	96.80	111.09	35.75	35.66
P09B019767	117.92	117.92	147.59	22.35	22.66
P09B019768	140.74	140.74	168.46	57.55	0.01
P09B019777	0.01	0.01	0.01	0.71	0.01
P09B019892	0.01	0.01	0.66	0.01	0.01
P09B020925	2.57	2.57	5.81	0.01	0.01
P09B020926	10.88	10.88	19.63	0.01	0.01
P09B020928	43.30	43.30	49.46	0.01	0.01
P09B020934	31.76	31.85	31.95	21.25	11.95
P09B020935	49.46	49.46	119.25	0.01	0.01
P09C000579	16.72	17.60	17.15	33.32	10.76
P09C000587	0.01	0.01	1.93	0.01	0.01
P09C000589	20.40	21.26	20.41	209.45	18.32
P09C000590	18.96	19.05	20.05	0.01	1.54

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P09C000591	0.01	0.01	1.83	0.01	0.01
P09C000594	18.56	20.05	18.59	53.33	15.35
P09C000595	18.23	18.59	18.88	25.97	8.40
P09C000596	17.80	18.88	17.86	49.37	12.82
P09C000599	0.01	0.01	3.99	0.01	0.01
P09C000603	16.84	17.15	17.98	15.70	3.85
P09C019063	1.83	1.83	9.40	0.01	0.01
P09D000741	19.57	19.73	23.73	10.86	4.37
P09D000801	24.58	28.71	24.58	58.51	23.87
P09D000804	23.62	23.73	28.71	10.86	4.87
P09D000811	0.82	0.82	59.40	0.01	0.01
P09D001711	0.01	0.01	0.01	0.89	0.01
P10A000824	1.95	1.97	13.19	0.01	0.04
P10A000825	26.98	26.98	39.77	0.03	0.35
P10A000827	0.01	0.01	0.98	0.01	0.01
P10A000851	13.18	13.39	15.61	9.58	4.30
P10A000852	21.31	21.35	26.98	3.56	3.41
P10A000858	11.52	11.83	11.83	15.65	6.06
P10A000860	11.81	11.83	13.39	4.81	3.40
P10A000861	83.90	84.04	112.07	0.75	0.05
P10A000865	112.06	112.07	114.83	0.01	1.36
P10A000868	0.01	0.01	0.01	0.80	0.01
P10A000869	0.01	0.01	0.01	1.75	0.01
P10A002657	0.01	0.01	0.01	0.82	0.01
P10A019754	38.28	38.28	38.71	7.26	2.90
P10A019755	40.07	40.07	43.59	0.01	0.01
P16A002614	2.91	3.98	2.91	93.09	2.91
P16A002615	3.98	17.73	3.98	176.93	3.98
P16A002617	16.92	16.92	25.04	0.01	0.43
P16A002618	16.92	21.69	16.92	66.89	16.31
P16A002619	21.69	24.58	21.69	62.32	20.47
P16A002623	127.58	127.58	128.96	0.01	0.01
P16A002624	128.96	128.96	134.97	14.73	14.63
P16A002626	0.01	1.22	8.55	12.86	0.01
P16A002627	128.66	128.95	128.96	140.40	102.18
P16A002628	125.84	125.84	125.92	10.14	10.06
P16A002629	125.92	125.92	128.95	0.01	0.01
P16A002632Y	0.63	0.63	0.86	0.01	0.01
P16A002632Ya	0.55	0.55	0.63	0.01	0.01
P16A021582	0.01	0.01	0.61	0.01	0.01
P17B001002	1.01	1.01	1.53	0.87	0.87
P17B001003	1.53	1.53	2.50	0.84	0.84
P17B001004	0.67	0.67	0.84	0.01	0.01
P17B001005	0.01	0.84	0.01	6.95	0.01
P17B001014	0.86	0.86	1.00	0.01	0.01
P17B001015	1.00	1.00	1.01	0.95	0.94
P17B001021	0.01	0.01	0.42	0.01	0.01
P17B001022	0.42	0.42	0.86	0.01	0.01
P17B002292	85.81	85.82	92.56	83.69	83.52
P17B002609	2.42	2.44	2.52	1.51	1.22
P17B002611	2.44	2.63	2.44	59.60	2.43
P17B002612	2.63	2.91	2.63	106.11	2.62
P17C002270	2.52	2.52	2.64	0.16	0.14
P17C002273	0.01	0.01	0.01	0.01	0.01
P17C002293	92.56	92.56	100.47	81.92	81.91
P17C002295	41.01	100.47	41.01	130.60	41.01
P17C002296	41.01	41.01	75.92	68.56	34.21
P17D002265	0.01	0.01	0.01	0.52	0.01
P17D002266	0.01	0.01	0.01	0.62	0.01
P17D002267	0.01	0.01	0.01	15.27	0.01
P17D002298	6.90	49.23	6.90	98.97	6.90
P17D002299	0.83	6.90	0.83	23.64	0.83

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P17D002301	0.01	0.51	0.01	0.88	0.01
P17D002302	0.01	0.01	0.01	0.87	0.01
P17D002324	6.99	6.99	260.27	0.01	0.01
P17D002359	231.55	231.55	562.08	159.55	159.55
P17D002720	0.01	0.01	0.01	0.01	0.01
P18D002047	0.01	0.01	0.89	0.01	0.01
P18D002183	0.01	0.01	0.01	0.62	0.01
P19B000677	35.40	35.40	69.02	0.05	4.60
P19B002043	0.01	1.89	0.01	0.22	0.01
P19B002055	0.01	0.01	0.01	19.66	0.01
P20A020380	15.36	15.36	8759.12	0.01	0.01
PF8(E-SWIRL-DW)	71.12	71.12	77.69	32.60	32.52
R26A009356	0.01	0.01	1.74	0.01	0.01
R26A009357	1.20	1.74	1.20	4387.93	1.20
R26A009358	1.33	1.35	1.35	1.46	1.33
R26A009359	0.01	1.35	0.01	1.68	0.01
R26A011484	0.01	0.01	0.01	0.95	0.01
R26A011485	0.01	0.01	0.87	0.01	0.01
R26C008749	0.01	0.01	0.01	3.42	0.01
R26D008720	0.01	1.69	0.01	1.73	0.01
R26D008725	2.14	2.14	2.25	0.01	0.01
R27B009153	0.01	0.01	0.71	0.01	0.01
R27B009154	0.01	0.78	0.01	1.01	0.01
R27B009164	0.01	0.71	0.01	1.09	0.01
R27B009645	0.01	0.01	0.01	1.00	0.01
R27B009916	0.01	0.87	0.01	1.06	0.01
R27B009946	0.01	0.01	0.78	0.01	0.01
R27C009714	0.01	0.01	4.82	0.01	0.01
R27C009884	2.22	2.22	4.82	4.57	0.01
R27C009888	1.29	2.22	1.29	3.03	1.29
R27C009889	0.01	60.77	0.01	97.23	0.01
R27C009904	0.01	0.01	0.01	0.06	0.01
R27C009906	0.01	0.01	0.01	1.13	0.01
R27C009907	0.01	0.01	0.01	0.65	0.01
R27C009908	0.01	0.01	0.01	0.25	0.01
R27C009909	0.01	0.01	0.01	0.09	0.01
R27C009910	0.01	0.01	0.01	0.03	0.01
R27C009920	0.01	0.01	1.07	0.01	0.01
R27C011486	0.01	0.01	1.16	0.01	0.01
R27D009715	0.01	0.01	0.01	5.63	0.01
R33C010752	0.01	0.01	1.87	0.01	0.01
R34A010658	0.01	0.23	0.01	4.81	0.01
R34A020999	0.01	0.01	0.23	0.01	0.01
R34D010485	0.01	0.01	0.60	0.01	0.01
R34D010486	0.05	0.05	0.73	0.01	0.01
R34D010487	0.01	0.73	0.01	0.91	0.01
R34D010690	0.01	0.01	0.01	0.49	0.01
R35A010409	2.35	2.38	2.38	0.61	0.78
R35A010410	2.19	2.19	2.38	0.01	0.01
R35A010411	2.09	2.09	2.19	0.01	0.01
R35A010412	0.01	0.01	2.39	0.01	0.01
R35A010413	2.03	2.03	2.09	0.01	0.01
R35A010431	2.32	2.32	2.37	2.19	2.18
R35A010432	2.63	2.63	2.84	2.17	2.17
R35A010435	2.37	2.37	2.63	0.01	0.01
R35A010436	2.82	2.84	2.87	2.90	2.79
R35A010437	2.43	2.87	2.43	2.88	2.43
R35A010439	2.43	2.43	2.52	2.52	2.43
R35A011487	2.25	2.25	2.32	2.22	2.19
R35A017948	2.38	2.38	2.42	0.20	0.50
R35A017951	2.42	2.42	2.46	2.23	1.64
R35A017952	2.54	2.54	2.63	0.08	0.01

UPDATED STARTING CONDITIONS H&H MODEL REPORT
CSO Remedial Measures Program

CITY OF PEORIA
August 31, 2022

R35A017979	123.71	123.71	8759.79	0.01	0.01
R35D010315	3.15	3.15	3.27	0.46	0.46
R35D010359	3.07	3.07	3.15	2.01	1.87
R35D017955	2.63	2.63	2.71	0.03	0.01
R35D017957	2.71	2.71	2.78	0.01	0.01
R35D017959	2.81	2.81	2.86	1.26	1.35
R35D017960	2.86	2.86	2.91	1.17	1.24
R35D017962	2.91	2.91	2.96	1.72	1.59
R35D017965	2.96	2.96	3.01	0.01	0.01
R35D017966	3.01	3.01	3.07	2.48	2.51
R35D018403	3.27	3.27	3.28	1.15	1.34
RfMagMeter	8759.26	8759.26	8759.42	0.01	53.60
SangerSewerCrossing	8674.39	8674.39	8674.39	6.72	28.21
SouthDiversionDW	0.01	0.01	97.88	0.01	0.01
SouthSewerCrossing	8757.01	8757.03	8757.01	8757.70	8757.01
TF10(Franklin)	1.93	1.93	8757.97	0.01	0.01
TF12(StateDW)	0.01	0.01	0.82	0.01	0.01
TF14(CedarDW)	134.97	134.97	156.23	12.50	12.53
TF15(SouthDW)	66.72	66.72	85.82	0.01	0.01
TF16(SangerDW)	71.94	150.49	71.94	245.67	71.92
TF17(DarstDW)	35.40	38.63	35.40	0.01	35.40
TF2(fromUpC)	4.50	4.50	6.07	0.01	1.06
TF20(F-SwirlIN)	3.89	3.89	25.31	0.01	0.01
TF26-PF6(CedarOF)	0.01	0.01	0.55	0.01	0.01
TF4(S-CStorage)	70.23	70.34	74.90	0.74	0.52
TF5(E-SwirlDW)	137.40	137.40	150.12	66.88	65.01
toCedarRegE	0.01	0.43	0.01	75.93	0.01
WalnutBoxCulvert	164.36	167.15	164.36	369.88	116.21

Pumping Summary

				Min	Avg	Max	Total	
Power	% Time Off		Percent	Number of	Flow	Flow	Flow	Volume
Usage	Pump Curve		Utilized	Start-Ups	CFS	CFS	CFS	10^6 gal
Pump	Low	High						
Kw-hr								

BypassPumps			0.01	1	0.00	2.61	4.35	0.045
0.18	0.0	0.0						
R26C008769			100.00	1	0.00	0.52	2.06	122.141
11598.24	0.0	0.0						
ScrewPump			99.99	1	0.00	17.66	92.88	4164.226
13153.31	0.0	0.0						
ScrewPumpDuplicate			99.99	1	0.00	17.66	92.88	4164.226
13153.31	0.0	0.0						

Analysis begun on: Mon Aug 29 23:49:46 2022
Analysis ended on: Tue Aug 30 11:37:08 2022
Total elapsed time: 11:47:22

APPENDIX F

Subcatchment Characteristics

				GIS Area Breakdown						
Sewershed	Subcatchment ID	Location of Trunk Sewer	Excess Flow Routing	Total Area	Roofs	Driveways	Edge of Pavement (Road)	Parking	Sidewalks	Medians
				(ac)	(ac)	(ac)	(ac)	(ac)	(ac)	(ac)
DARST	019-02-01	Trunk sewer is along the western edge of subcatchment	Excess flow travels south into partially separate area towards the river	106.28	16.22	5.36	15.60	2.69	3.79	-
	019-02-02	Trunk sewer is at the southeast corner of the subcatchment	Excess flow travels south and east into the partially separate area	83.61	9.25	2.74	11.39	3.10	2.39	-
	019-02-03	Trunk sewer is along the eastern edge of subcatchment	Approximately 50% of flow goes east into 019-02-01 and 50% goes west into separate areas	63.92	7.90	4.03	11.01	0.16	1.31	-
	019-02-04	Trunk sewer goes north/south through center of subcatchment	Excess flow travels west to the separate area near meters 019-06 and 019-07	96.62	14.69	5.83	15.32	0.94	3.67	-
	019-02-05	Storm trunk sewer goes along eastern edge of subcatchment	Excess flow goes west to separate and partially separate area near 019-07FT	12.16	1.91	0.65	2.10	-	0.51	-
	019-02-06	Trunk sewer goes along eastern edge of subcatchment	Excess flow will continue south into the separate area near Manual High School	32.62	1.84	0.99	3.84	2.11	0.53	0.05
	019-02-07	Main trunk sewer goes through low spot of area, about 1/3 to the northwest and 2/3 to the southeast	Excess flow will follow trunk sewer. Might recieve flow from other basins	149.26	16.48	7.13	18.06	5.36	2.66	0.01
	019-02-08	South east corner of subcatchment	Excess flow follows trunk sewer	18.09	2.71	-	-	1.27	0.12	-
	019-02-09	Current modeled trunk sewer at southeast corner of subcatchment. Smaller (not modeled) main sewer in subcatchments runs along south side of subcatchment	Excess flow travels south and east into 019-02-02	17.73	2.83	0.86	2.37	1.13	0.29	-
	019-02-10	Trunk sewer runs along north and eastern edge of subcatchment	Excess flow travels west into separate area	44.86	6.51	2.74	7.01	-	1.54	-
	019-07-01	West of subcatchment	Excess flow goes south into 019-02-05	5.36	0.70	0.32	0.90	-	0.11	-
	019-08-01	Current modeled trunk sewer at southeast corner of subcatchment. Smaller (not modeled) main sewer in subcatchments runs along south side of subcatchment	Excess flow travels east along West Krause into partially separate area	38.02	4.83	0.82	4.71	1.50	0.79	-
	019-10-01	Storm trunk sewer goes along western edge of subcatchment	North 2/3 of subcatchment continues to the west (some into 019-04-01, some into separate area). South 1/3 of subcatchment flows south into 019-02-07	62.24	8.14	3.40	11.05	6.42	2.20	-
	019-01-01	Subcatchments connect to overflow sewer downstream of regulator to SE of subcatchment	Excess flow in the North 1/2 of subcatchment travels E along roads and the South 1/2 travels SW along roads	49.45	6.98	0.93	10.40	11.31	1.22	0.54
SANGER	018-05-01	South of subcatchment	Excess flow travels south to partially separate area near river	26.83	4.25	1.14	5.21	0.63	1.43	0.00
	018-05-02	Southern edge of subcatchment	Excess flow travels south to partially separate area near river	34.63	4.88	0.76	7.84	5.51	1.63	-
	018-06-01	South west corner of subcatchment	Excess flow travels south to the separate area near river	20.42	6.89	0.40	4.36	4.15	1.17	-
	018-04-01	Runs through center of subcatchment at low spot	Excess flow travels south to the separate area near river	7.07	1.16	0.11	1.48	1.04	0.48	-
	018-04-02	Runs along south eastern edge of subcatchment	Excess flow travels east and south into South basin and to 018-04-01	61.79	9.88	2.54	10.00	3.82	2.62	-
	018-04-03	Runs north/south east of the center of the subcatchment	Excess flow travels east to 018-04-02 and south to 018-05-02	140.94	24.19	6.94	25.78	7.21	6.32	-
SOUTH	017-02-08	Sewer goes along the south edge of subcatchment	Excess flows continues south to the separate area and river	9.95	0.92	0.43	1.66	3.58	0.09	-
	017-02-07	Sewer goes along eastern edge of subcatchment	Excess flow goes south to the separate area and river	7.88	1.71	0.01	1.75	2.91	0.28	-
	017-02-06	Sewer is at south east corner of subcatchment	Excess flow travels south to subcatchment 019-02-07	47.85	7.45	1.08	9.52	5.37	2.49	0.01
	017-02-05	Sewer goes along the south edge of subcatchment	Excess flow goes south to subcatchment 019-02-08	13.04	2.76	0.01	2.61	3.71	0.39	-
	017-02-04	Sewer goes through center of subcatchment	Excess flow goes south to 017-02-05	27.58	5.67	0.28	6.07	6.54	1.51	-
	017-02-03	Sewer at western edge of subcatchment	Excess flow goes west to subcatchment 017-02-04	3.77	0.87	0.02	0.92	1.14	0.15	0.01
	017-02-02	Sewer goes through center of subcatchment	Excess flow goes to the center of the subcatchment then travels south to 017-02-04	14.16	1.22	0.33	2.35	0.74	0.53	0.01
	017-02-01	South west corner of subcatchment	Excess flow goes north into Cedar	1.07	0.28	0.01	0.24	0.38	0.02	-

		Impervious Area Estimated Routing							Roof Subcatchments							
Sewershed	Subcatchment ID	% of Roofs Routed to DCIA	% of Roofs Directly Connected to Sewer	% of Driveways Routed to Pervious	% of Alleys Routed to Pervious	% Medians that are Pervious	% of Parking Routed to Pervious	% of Sidewalks Routed to Pervious	Modeled Area of Roofs Routed to Pervious	Starting Area of Roofs Routed to DCIA	Roof Area to DCIA Assumed to Flow Overland out of Subcatchment	Roof Area to DCIA Assumed to Flow Overland out of Subcatchment	Calibrated Modeled Area of Roofs Routed to DCIA	Modeled Area of Roofs Direct to Sewer (DC)	Typical Roof Flow Length	Estimated Roof Slope
		(ac)	%	%	%	%	%	%	(ac)	(ac)		(ac)	(ac)	(ac)	(ft)	%
DARST	019-02-01	0%	0%	10%	40%	0%	20%	90%	16.2	0.0	0%	0	0	0	20	37
	019-02-02	0%	0%	20%	40%	0%	10%	90%	9.3	0.0	0%	0	0	0	12	37
	019-02-03	0%	0%	20%	20%	0%	0%	90%	7.9	0.0	0%	0	0	0	20	37
	019-02-04	0%	0%	20%	30%	0%	30%	90%	14.7	0.0	0%	0	0	0	20	37
	019-02-05	0%	0%	10%	10%	0%	0%	90%	1.9	0.0	0%	0	0	0	15	37
	019-02-06	0%	0%	20%	60%	0%	50%	90%	1.8	0.0	0%	0	0	0	20	37
	019-02-07	0%	0%	20%	60%	0%	30%	90%	16.5	0.0	0%	0	0	0	20	37
	019-02-08	0%	100%	0%	0%	0%	0%	80%	0.0	0.0	0%	0	0	2.7	50	1
	019-02-09	0%	0%	20%	10%	0%	70%	80%	2.8	0.0	0%	0	0	0	20	37
	019-02-10	0%	0%	10%	10%	0%	0%	90%	6.5	0.0	0%	0	0	0	20	37
	019-07-01	0%	0%	20%	20%	0%	0%	90%	0.7	0.0	0%	0	0	0	12	37
	019-08-01	0%	0%	10%	20%	0%	0%	90%	4.8	0.0	0%	0	0	0	14/50	37/1
	019-10-01	0%	0%	10%	20%	0%	0%	50%	8.1	0.0	0%	0	0	0	20	37
	019-01-01	50%	0%	10%	60%	0%	10%	10%	3.5	3.5	0%	0	3.5	0	20	37/1
SANGER	018-05-01	0%	0%	10%	60%	0%	0%	50%	4.3	0.0	20%	0	0	0	16	37
	018-05-02	0%	0%	10%	10%	0%	0%	60%	4.9	0.0	20%	0	0	0	24	20
	018-06-01	100%	0%	0%	10%	0%	0%	0%	0.0	6.9	0%	0	6.9	0	50	2
	018-04-01	0%	0%	10%	10%	0%	0%	60%	1.2	0.0	15%	0	0	0	35	30
	018-04-02	0%	0%	10%	40%	0%	0%	90%	9.9	0.0	0%	0	0	0	20	30
	018-04-03	0	0%	10%	40%	0%	10%	90%	24.2	0.0	0%	0	0	0	14	37
SOUTH	017-02-08	80%	0%	0%	0%	0%	0%	0%	0.2	0.7	20%	-0.1	0.6	0	20	30
	017-02-07	100%	0%	0%	0%	0%	0%	0%	0.0	1.7	15%	-0.3	1.5	0	40	25
	017-02-06	0%	0%	0%	20%	0%	20%	60%	7.5	0.0	0%	0	0	0	15	35
	017-02-05	100%	0%	0%	0%	0%	20%	0%	0.0	2.8	15%	-0.4	2.3	0	50	1
	017-02-04	30%	30%	0%	10%	0%	15%	20%	2.3	1.7	0%	0	1.7	1.7	20	20
	017-02-03	50%	50%	0%	0%	0%	0%	40%	0.0	0.4	0%	0	0.4	0.4	50	20
	017-02-02	0%	0%	0%	30%	0%	0%	60%	1.2	0.0	0%	0	0	0	30	20
	017-02-01	0%	0%	0%	0%	0%	0%	0%	0.3	0.0	0%	0	0	0	40	1

		DIA Subcatchments							Pervious Subcatchments					
Sewershed	Subcatchment ID	Area of Driveways Routed to Pervious	Area of Alleys Routed to Pervious	Area of Parking Routed to Pervious	Area of Sidwalks Routed to Pervious	Total Starting DIA Area	Calibrated Modeled DIA Area (includes extra area from DCIA calibration)	Model Width (assumed same as starting DCIA width)	Model Pervious Area (total GIS area - roof area - starting DCIA & DIA areas)	Average Slope to Road	Multiplication Factor for Curb Length (% of blocks that drain to both streets * 2 + % of blocks that drain to one street * 1)	Width (Length of Roads+Alleys * Multiplication Factor for Curb Length)	Calibrated Max Infiltration Rate (starting value = 10)	Calibrated Min Infiltration Rate (starting value = 0.25)
		(ac)	(ac)	(ac)	(ac)	(ac)	(ac)	(ft)	(ac)	%		(ft)	(in/hr)	(in/hr)
DARST	019-02-01	0.5	1.0	0.5	3.4	5.5	14.3	60,140	62.6	2.6	1.5	45110.0	3.0	3.0
	019-02-02	0.5	0.5	0.3	2.2	3.5	9.5	38,240	54.7	1.8	2.0	38240.0	3.0	3.0
	019-02-03	0.8	0.3	-	1.2	2.3	6.9	38,420	39.5	1.5	1.5	28820.0	3.0	3.0
	019-02-04	1.2	0.4	0.3	3.3	5.2	11.8	41,920	56.2	2.0	2.0	41920.0	3.0	3.0
	019-02-05	0.1	0.0	-	0.5	0.6	1.6	13,380	7.0	3.7	1.8	11710.0	3.0	3.0
	019-02-06	0.2	0.1	1.1	0.5	1.8	3.8	11,200	23.3	9.0	1.0	5600.0	3.0	3.0
	019-02-07	1.4	1.1	1.6	2.4	6.5	17.0	59,340	99.6	1.5	1.8	51920.0	3.0	3.0
	019-02-08	-	-	-	0.1	0.1	1.4	2,000	14.0	5.0	1.0	1000.0	3.0	3.0
	019-02-09	0.2	0.0	0.8	0.2	1.2	2.5	7,880	10.3	2.0	2.0	7880.0	3.0	3.0
	019-02-10	0.3	0.1	-	1.4	1.7	5.1	24,760	27.1	2.0	1.5	18570.0	3.0	3.0
	019-07-01	0.1	0.0	-	0.1	0.2	0.2	5,200	3.3	2.0	1.0	2600.0	3.0	3.0
	019-08-01	0.1	0.1	-	0.7	0.9	3.4	12,140	25.4	3.0	1.8	10620.0	6.0	6.0
	019-10-01	0.3	0.3	-	1.1	1.7	-	41,640	31.0	1.5	1.8	36440.0	2.8	2.8
	019-01-01	0.1	0.3	1.1	0.1	1.7	1.7	19,820	18.1	3.0	2.0	19820.0	3.0	3.0
SANGER	018-05-01	0.1	0.3	-	0.7	1.2	1.2	17,340	14.2	5.0	2.0	17340.0	4.0	4.0
	018-05-02	0.1	0.0	-	1.0	1.1	1.1	18,040	14.0	6.0	1.3	11280.0	4.0	4.0
	018-06-01	-	0.1	-	-	0.1	-	12,720	3.5	5.0	1.0	6360.0	3.0	3.0
	018-04-01	0.0	0.0	-	0.3	0.3	0.3	8,680	2.8	5.0	1.3	5430.0	4.0	4.0
	018-04-02	0.3	0.5	-	2.4	3.1	5.6	37,260	32.9	1.6	2.0	37260.0	4.0	4.0
	018-04-03	0.7	1.4	0.7	5.7	8.5	14.1	85,840	70.5	2.4	1.5	64380.0	4.0	4.0
SOUTH	017-02-08	-	-	-	-	-	-	5,240	3.3	2.9	1.3	3280.0	2.0	2.0
	017-02-07	-	-	-	-	-	-	4,960	1.2	3.5	1.0	2480.0	2.0	2.0
	017-02-06	-	0.1	1.1	1.5	2.7	6.8	23,380	21.9	1.5	2.0	23380.0	3.0	3.0
	017-02-05	-	-	0.7	-	0.7	0.7	8,760	3.6	5.0	1.0	4380.0	2.0	2.0
	017-02-04	-	0.0	1.0	0.3	1.3	3.7	15,800	7.5	2.1	1.3	9880.0	3.0	3.0
	017-02-03	-	-	-	0.1	0.1	0.4	2,460	0.7	2.0	1.0	1230.0	2.0	2.0
	017-02-02	-	0.1	-	0.3	0.4	1.6	6,040	9.0	2.4	1.5	4530.0	3.0	3.0
	017-02-01	-	-	-	-	-	-	960	0.1	2.6	1.0	480.0	2.0	2.0

DCIA Subcatchments																					
Sewershed	Subcatchment ID	Starting DCIA Area	Estimated Width of Alleys in Subcatchment (alleys included in road GIS area)	Estimated Area of Alleys in Subcatchment (width x length)	Starting DCIA Area that is not roads (starting DCIA - roads + estimated alleys)	10% of Total Subcatchment Area	Assumed Max DCIA Area that could be DIA Area (min of non-road area and 10% of total area)	Calibration Factor for Max DCIA Area that could be DIA Area	Calibrated DCIA Area that should be DIA Area	Assumed Max DIA Area that could be DCIA Area (min of starting DIA area and 10% of total area)	Calibration Factor for Max DIA Area that could be DCIA Area	Calibrated DIA Area that should be DCIA Area	DCIA Area Assumed to Flow Overland out of Subcatchment	DCIA Area Assumed to Flow Overland out of Subcatchment	Other DCIA Area Adjustment per Calibration	Calibrated Modeled DCIA Area	Length of Streets in Sub-catchment	Length of Alleys in Sub-catchment	Starting Model Width (Length of Roads+ Alleys * 2)	Calibration Width Adjustment Factor	Calibrated Modeled Width
		(ac)	(ft)	(ac)	(ac)		(ac)		(ac)	(ac)		(ac)		(ac)	(ac)	(ac)	(ft)	(ft)	(ft)		(ft)
DARST	019-02-01	22.0	10.0	2.5	8.9	10.6	8.9	100%	-8.85	5.49	0%	0.0	0%	0.0	0.0	13.1	19,210	10,860	60,140	1.00	60,140
	019-02-02	16.1	10.0	1.2	6.0	8.4	6.0	100%	-5.95	3.50	0%	0.0	0%	0.0	0.0	10.2	13,770	5,350	38,240	1.00	38,240
	019-02-03	14.3	10.0	1.4	4.6	6.4	4.6	100%	-4.63	2.26	0%	0.0	0%	0.0	0.0	9.6	13,140	6,070	38,420	1.00	38,420
	019-02-04	20.6	9.0	1.4	6.7	9.7	6.7	100%	-6.67	5.17	0%	0.0	0%	0.0	0.0	13.9	14,190	6,770	41,920	1.00	41,920
	019-02-05	2.7	9.0	0.4	1.0	1.2	1.0	100%	-1.02	0.57	0%	0.0	0%	0.0	0.0	1.7	4,590	2,100	13,380	1.00	13,380
	019-02-06	5.7	11.0	0.1	2.0	3.3	2.0	100%	-1.99	1.79	0%	0.0	0%	0.0	0.0	3.8	5,250	350	11,200	1.00	11,200
	019-02-07	26.7	11.0	1.8	10.4	14.9	10.4	100%	-10.45	6.51	0%	0.0	0%	0.0	0.0	16.3	22,540	7,130	59,340	1.00	59,340
	019-02-08	1.3	0.0	0.0	1.3	1.8	1.3	100%	-1.29	0.10	0%	0.0	0%	0.0	0.0	0.0	1,000	0	2,000	1.00	2,000
	019-02-09	3.4	10.0	0.3	1.3	1.8	1.3	100%	-1.33	1.22	0%	0.0	0%	0.0	0.0	2.1	2,780	1,160	7,880	1.00	7,880
	019-02-10	9.5	10.0	0.9	3.4	4.5	3.4	100%	-3.39	1.75	0%	0.0	0%	0.0	0.0	6.2	8,660	3,720	24,760	1.00	24,760
	019-07-01	1.1	9.0	0.1	0.4	0.5	0.4	0%	0.00	0.19	0%	0.0	0%	0.0	0.0	1.1	1,960	640	5,200	0.01	52
	019-08-01	6.9	9.0	0.3	2.6	3.8	2.6	100%	-2.58	0.86	0%	0.0	0%	0.0	0.0	4.4	4,420	1,650	12,140	0.02	242.8
	019-10-01	21.3	9.0	1.4	11.7	6.2	6.2	0%	0.00	1.73	100%	1.7	0%	0.0	0.0	23.1	13,860	6,960	41,640	0.01	416.4
	019-01-01	22.7	13.0	0.6	12.9	4.9	4.9	0%	0.00	1.68	0%	0.0	0%	0.0	0.0	22.7	8,060	1,850	19,820	1.00	19,820
SANGER	018-05-01	7.2	9.0	0.6	2.6	2.7	2.6	0%	0.00	1.16	0%	0.0	20%	-1.4	0.0	5.8	5,970	2,700	17,340	0.10	1,734
	018-05-02	14.6	9.0	0.4	7.2	3.5	3.5	0%	0.00	1.09	0%	0.0	20%	-2.9	0.0	11.7	7,300	1,720	18,040	0.10	1,804
	018-06-01	10.0	13.0	0.6	6.2	2.0	2.0	0%	0.00	0.06	100%	0.1	0%	0.0	0.0	10.1	4,450	1,910	12,720	0.04	508.8
	018-04-01	2.8	9.0	0.1	1.4	0.7	0.7	0%	0.00	0.31	0%	0.0	15%	-0.4	0.0	2.4	3,720	620	8,680	0.01	86.8
	018-04-02	15.9	10.0	1.3	7.1	6.2	6.2	40%	-2.45	3.12	0%	0.0	0%	0.0	0.0	13.4	13,110	5,520	37,260	0.01	372.6
	018-04-03	37.7	11.0	3.6	15.5	14.1	14.1	40%	-5.59	8.53	0%	0.0	0%	0.0	0.0	32.1	28,800	14,120	85,840	0.01	858.4
SOUTH	017-02-08	5.8	0.0	0.0	4.1	1.0	1.0	0%	0.00	0.00	0%	0.0	20%	-1.2	0.0	4.6	2,620	0	5,240	0.05	262
	017-02-07	5.0	15.0	0.2	3.4	0.8	0.8	0%	0.00	0.00	0%	0.0	15%	-0.7	0.0	4.2	1,920	560	4,960	0.05	248
	017-02-06	15.8	11.0	0.7	6.9	4.8	4.8	85%	-4.07	2.70	0%	0.0	0%	0.0	0.0	11.7	9,050	2,640	23,380	0.05	1,169
	017-02-05	6.0	13.0	0.1	3.5	1.3	1.3	0%	0.00	0.74	0%	0.0	15%	-0.9	0.0	5.1	3,910	470	8,760	0.05	438
	017-02-04	13.1	9.0	0.3	7.3	2.8	2.8	85%	-2.34	1.31	0%	0.0	0%	0.0	0.0	10.7	6,500	1,400	15,800	0.05	790
	017-02-03	2.2	0.0	0.0	1.3	0.4	0.4	85%	-0.32	0.06	0%	0.0	0%	0.0	0.0	1.8	1,230	0	2,460	0.05	123
	017-02-02	3.6	9.0	0.3	1.5	1.4	1.4	85%	-1.20	0.40	0%	0.0	0%	0.0	0.0	2.4	1,640	1,380	6,040	0.05	302
	017-02-01	0.7	15.0	0.1	0.5	0.1	0.1	0%	0.00	0.00	0%	0.0	0%	0.0	0.0	0.7	240	240	960	0.05	48

				GIS Area Breakdown						
Sewershed	Subcatchment ID	Location of Trunk Sewer	Excess Flow Routing	Total Area	Roofs	Driveways	Edge of Pavement (Road)	Parking	Sidewalks	Medians
				(ac)	(ac)	(ac)	(ac)	(ac)	(ac)	(ac)
CEDAR	016-02-01	Runs S through center of subcatchment to low spot	Excess flow travels south along curb lines exiting the sewershed	29.58	4.42	0.98	3.75	3.29	1.07	-
	016-02-02	Runs N to S through left-center of subcatchment	Excess flow travels Sout and South East and Sout West of 016-08-01	46.19	7.36	1.85	7.20	5.17	1.94	0.06
	016-02-03	Southeast corner of subcatchment	Excess flow travels South to partially separate area	14.03	1.10	0.84	0.74	-	0.19	-
	016-02-04	North in the middle of subcatchment	Excess flow travels North to seperated sewer, to subcatchment 016-02-05 to the SE, 016-02-10 to the West, 016-02-11 to the South	29.67	3.16	0.84	5.69	0.14	1.28	-
	016-02-05	Runs through the center of subcatchment and exits to the SE	Excess flow travels S and SE	43.41	5.68	1.36	9.21	2.27	2.52	-
	016-02-06	Southeast corner of subcatchment	Excess Flow travels SE into 016-02-17, 016-03-01, and 016-04-01 as well as South into 016-02-07	37.08	3.16	0.44	6.05	3.26	1.65	-
	016-02-07	Runs through the center of subcatchment and exits to the SE	Excess flow travels SE into 016-02-17, 016-03-01, and 016-04-01 as well as South into combined sewer area	31.65	5.64	0.04	8.28	5.41	1.78	0.08
	016-02-08	Runs W to E through center of subcatchment	Excess flow travels into seperated sewershed to the west	23.41	3.15	1.33	3.84	1.40	0.82	-
	016-02-09	Runs W to E through lower center of subcatchment	Excess flow travels SW into 016-02-08 and NW into 016-02-10	41.53	5.83	1.57	5.44	1.86	1.41	-
	016-02-10	Runs W to E through center then turns S through SE corner	Excess flow travels S into 18 and 20.	52.40	5.99	2.38	7.10	0.71	1.75	-
	016-02-11	Runs W to E out of subcatchment	Excess flow travels N into 016-02-10 and 016-02-04	18.93	2.47	0.61	3.95	0.14	1.05	-
	016-02-12	Runs W out of subcatchment into 016-02-13	Excess flow travels NW into 016-02-11	3.98	0.50	0.10	0.57	-	0.12	-
	016-02-13	Runs S from the center of Subcatchment	Excess flow travels partially to the west into seperate system and partially SE into 016-02-14	32.22	5.18	1.89	5.33	0.52	1.53	-
	016-02-14	Runs E out of Subcatchment into 016-02-15	Excess flow travels south along roadways	27.35	6.94	1.06	4.24	5.05	1.52	-
	016-02-15	Runs W to E through bottom of subcatchment and turns NE out of subcatchment	Excess flow travels S towards the rivershed	26.20	2.88	1.51	4.30	0.04	1.27	-
	016-02-16	Runs NW through the subcatchment	Excess flow travels S towards the rivershed	10.00	0.98	0.19	2.34	0.82	0.52	-
	016-02-17	Runs SE toward river through center	Excess flow travels S toward 016-04-01	7.50	2.26	0.02	1.35	2.78	0.53	-
	016-03-01	Runs SW along the S part of subcatchment	Excess flow travels S into partially separate and seperate system near river	36.75	11.32	0.03	7.20	10.51	1.80	-
	016-04-01	Runs SE toward river through center	Excess flow travels S into partially separate and seperate system near river	13.72	3.33	0.03	3.79	3.78	0.73	-
	016-06-01	Southwest corner of Subcatchment	West into partially seperate area	6.22	1.01	0.41	1.41	0.19	0.27	0.19
	016-06-02	Southwest corner of subcatchment.	Excess flow follows the trunk sewer	8.86	1.74	0.75	1.54	-	0.48	-
	016-07-01	North of the subcatchment	Excess flow can follow the trunk sewer north	16.87	2.66	1.18	2.76	1.56	0.65	0.10
	016-08-01	South of subcatchment	Excess flow travels west and south	5.75	0.73	0.24	0.60	0.26	0.18	-
	016-09-01	Along south side of subcatchment	Excess flow goes west into partially separate sewer	8.15	2.86	0.07	0.72	1.25	0.23	-
	016-09-02	At south west corner of subcatchment	Excess flow goes south into 019-11-3	15.02	3.79	0.75	2.36	2.10	0.64	0.18
	016-09-03	Along western edge of subcatchment	Excess flow goes west into partially separate sewer	61.47	12.40	3.50	9.93	3.67	2.95	-
	016-09-04	Storm trunk sewer goes along western edge of subcatchment	Excess flow goes west separate area	19.85	0.18	0.03	2.79	1.24	0.04	-

		Impervious Area Estimated Routing							Roof Subcatchments							
Sewershed	Subcatchment ID	% of Roofs Routed to DCIA	% of Roofs Directly Connected to Sewer	% of Driveways Routed to Pervious	% of Alleys Routed to Pervious	% Medians that are Pervious	% of Parking Routed to Pervious	% of Sidewalks Routed to Pervious	Modeled Area of Roofs Routed to Pervious	Starting Area of Roofs Routed to DCIA	Roof Area to DCIA Assumed to Flow Overland out of Subcatchment	Roof Area to DCIA Assumed to Flow Overland out of Subcatchment	Calibrated Modeled Area of Roofs Routed to DCIA	Modeled Area of Roofs Direct to Sewer (DC)	Typical Roof Flow Length	Estimated Roof Slope
		(ac)	%	%	%	%	%	%	(ac)	(ac)		(ac)	(ac)	(ac)	(ft)	%
CEDAR	016-02-01	0%	0%	10%	20%	0%	20%	85%	4.4	0.0	0%	0	0	0	35	31
	016-02-02	0%	0%	10%	10%	0%	10%	65%	7.4	0.0	0%	0	0	0	32	30
	016-02-03	0%	0%	10%	90%	0%	0%	90%	1.1	0.0	0%	0	0	0	17	37
	016-02-04	0%	0%	20%	90%	0%	0%	90%	3.2	0.0	0%	0	0	0	22	37
	016-02-05	0%	0%	10%	40%	0%	15%	75%	5.7	0.0	0%	0	0	0	27	34
	016-02-06	0%	0%	0%	90%	0%	0%	90%	3.2	0.0	0%	0	0	0	29	28
	016-02-07	0%	0%	0%	0%	0%	15%	40%	5.6	0.0	0%	0	0	0	22	33
	016-02-08	0%	0%	10%	30%	0%	0%	80%	3.2	0.0	0%	0	0	0	17	36
	016-02-09	0%	0%	20%	60%	0%	15%	85%	5.8	0.0	0%	0	0	0	25	21
	016-02-10	0%	0%	10%	80%	0%	30%	90%	6.0	0.0	0%	0	0	0	23	36
	016-02-11	0%	0%	10%	40%	0%	10%	75%	2.5	0.0	0%	0	0	0	16	35
	016-02-12	50%	0%	0%	20%	0%	0%	90%	0.2	0.2	0%	0	0.2	0	13	37
	016-02-13	0%	0%	10%	70%	0%	20%	80%	5.2	0.0	0%	0	0	0	21	37
	016-02-14	0%	0%	10%	20%	0%	0%	35%	6.9	0.0	0%	0	0	0	32	24
	016-02-15	0%	0%	0%	40%	0%	0%	75%	2.9	0.0	0%	0	0	0	16	37
	016-02-16	0%	20%	10%	20%	0%	0%	60%	0.8	0.0	0%	0	0	0.2	25	30
	016-02-17	50%	50%	0%	0%	0%	40%	15%	0.0	1.1	0%	0	1.1	1.1	25	5
	016-03-01	50%	50%	0%	0%	0%	30%	0%	0.0	5.7	25%	-1.4	4.2	5.7	38	5
	016-04-01	25%	75%	0%	0%	0%	20%	0%	0.0	0.8	0%	0	0.8	2.5	40	8
	016-06-01	0%	0%	10%	40%	100%	0%	80%	1.0	0.0	0%	0	0	0	25	37
	016-06-02	0%	0%	10%	60%	0%	0%	40%	1.7	0.0	0%	0	0	0	21	35
	016-07-01	0%	75%	10%	30%	100%	10%	40%	0.7	0.0	0%	0	0	2.0	38	19
	016-08-01	0%	0%	10%	0%	0%	0%	90%	0.7	0.0	0%	0	0	0	20	37
	016-09-01	0%	100%	0%	0%	0%	0%	35%	0.0	0.0	0%	0	0	2.9	50	1
	016-09-02	0%	50%	5%	0%	100%	50%	30%	1.9	0.0	0%	0	0	1.9	14/50	37/1
	016-09-03	0%	0%	15%	60%	0%	0%	90%	12.4	0.0	0%	0	0	0	14	37
	016-09-04	0%	0%	10%	30%	0%	5%	0%	0.2	0.0	0%	0	0	0	20	37

		DIA Subcatchments							Pervious Subcatchments					
Sewershed	Subcatchment ID	Area of Driveways Routed to Pervious	Area of Alleys Routed to Pervious	Area of Parking Routed to Pervious	Area of Sidwalks Routed to Pervious	Total Starting DIA Area	Calibrated Modeled DIA Area (includes extra area from DCIA calibration)	Model Width (assumed same as starting DCIA width)	Model Pervious Area (total GIS area - roof area - starting DCIA & DIA areas)	Average Slope to Road	Multiplication Factor for Curb Length (% of blocks that drain to both streets * 2 + % of blocks that drain to one street * 1)	Width (Length of Roads+Alleys * Multiplication Factor for Curb Length)	Calibrated Max Infiltration Rate (starting value = 10)	Calibrated Min Infiltration Rate (starting value = 0.25)
		(ac)	(ac)	(ac)	(ac)	(ac)	(ac)	(ft)	(ac)	%		(ft)	(in/hr)	(in/hr)
CEDAR	016-02-01	0.1	0.1	0.7	0.9	1.7	2.2	13,360	16.1	5.0	1.5	10020.0	3.0	3.0
	016-02-02	0.2	0.1	0.5	1.3	2.1	2.8	22,260	22.6	0.8	2.0	22260.0	3.0	3.0
	016-02-03	0.1	0.1	-	0.2	0.4	0.5	4,520	11.2	8.0	1.5	3390.0	3.0	3.0
	016-02-04	0.2	0.5	-	1.2	1.8	2.0	16,760	18.6	3.0	2.0	16760.0	3.0	3.0
	016-02-05	0.1	0.2	0.3	1.9	2.6	3.3	26,840	22.4	2.5	2.0	26840.0	3.0	3.0
	016-02-06	-	0.2	-	1.5	1.7	2.2	10,800	22.5	2.7	2.0	10800.0	3.0	3.0
	016-02-07	-	-	0.8	0.7	1.5	2.0	19,140	10.4	1.4	2.0	19140.0	3.0	3.0
	016-02-08	0.1	0.2	-	0.7	1.0	1.4	12,820	12.9	3.0	1.8	11220.0	3.0	3.0
	016-02-09	0.3	0.5	0.3	1.2	2.2	2.8	20,500	25.4	9.0	1.8	17940.0	3.0	3.0
	016-02-10	0.2	0.6	0.2	1.6	2.6	3.1	20,640	34.5	3.1	1.8	18060.0	3.0	3.0
	016-02-11	0.1	0.1	0.0	0.8	1.0	1.2	13,800	10.7	2.0	2.0	13800.0	3.0	3.0
	016-02-12	-	0.0	-	0.1	0.1	0.2	2,800	2.7	1.9	2.0	2800.0	3.0	3.0
	016-02-13	0.2	0.6	0.1	1.2	2.1	2.5	21,540	17.8	2.4	2.0	21540.0	3.0	3.0
	016-02-14	0.1	0.1	-	0.5	0.7	1.2	17,760	8.5	1.0	2.0	17760.0	3.0	3.0
	016-02-15	-	0.2	-	1.0	1.2	1.5	15,780	16.2	3.2	2.0	15780.0	3.0	3.0
	016-02-16	0.0	0.0	-	0.3	0.3	0.5	5,440	5.2	3.0	2.0	5440.0	3.0	3.0
	016-02-17	-	-	1.1	0.1	1.2	1.3	7,360	0.6	0.6	1.8	6440.0	3.0	3.0
	016-03-01	-	-	3.2	-	3.2	3.2	15,540	5.9	4.0	1.3	9710.0	3.0	3.0
	016-04-01	-	-	0.8	-	0.8	1.0	9,140	2.1	8.0	1.3	5710.0	3.0	3.0
	016-06-01	0.0	0.1	-	0.2	0.3	0.3	3,940	2.9	1.5	1.5	2960.0	2.5	2.5
	016-06-02	0.1	0.1	-	0.2	0.3	0.3	4,220	4.3	1.6	1.8	3690.0	2.5	2.5
	016-07-01	0.1	0.1	0.2	0.3	0.6	0.6	7,780	8.0	1.2	2.0	7780.0	1.5	1.5
	016-08-01	0.0	-	-	0.2	0.2	0.2	1,840	3.7	3.0	1.0	920.0	2.5	2.5
	016-09-01	-	-	-	0.1	0.1	0.7	1,480	3.0	1.0	2.0	1480.0	3.0	3.0
	016-09-02	0.0	-	1.0	0.2	1.3	2.4	7,600	5.4	3.0	1.8	6650.0	3.0	3.0
	016-09-03	0.5	1.0	-	2.7	4.2	9.0	35,040	29.0	1.0	2.0	35040.0	3.0	3.0
	016-09-04	0.0	0.1	0.1	-	0.2	1.4	9,620	15.6	1.0	2.0	9620.0	3.0	3.0

		DCIA Subcatchments																			
Sewershed	Subcatchment ID	Starting DCIA Area	Estimated Width of Alleys in Subcatchment (alleys included in road GIS area)	Estimated Area of Alleys in Subcatchment (width x length)	Starting DCIA Area that is not roads (starting DCIA - roads + estimated alleys)	10% of Total Subcatchment Area	Assumed Max DCIA Area that could be DIA Area (min of non-road area and 10% of total area)	Calibration Factor for Max DCIA Area that could be DIA Area	Calibrated DCIA Area that should be DIA Area	Assumed Max DIA Area that could be DCIA Area (min of starting DIA area and 10% of total area)	Calibration Factor for Max DIA Area that could be DCIA Area	Calibrated DIA Area that should be DCIA Area	DCIA Area Assumed to Flow Overland out of Subcatchment	DCIA Area Assumed to Flow Overland out of Subcatchment	Other DCIA Area Adjustment per Calibration	Calibrated Modeled DCIA Area	Length of Streets in Sub-catchment	Length of Alleys in Sub-catchment	Starting Model Width (Length of Roads+ Alleys * 2)	Calibration Width Adjustment Factor	Calibrated Modeled Width
		(ac)	(ft)	(ac)	(ac)		(ac)		(ac)	(ac)		(ac)		(ac)	(ac)	(ac)	(ft)	(ft)	(ft)		(ft)
CEDAR	016-02-01	7.4	10.0	0.3	3.9	3.0	3.0	16%	-0.47	1.72	0%	0.0	0%	0.0	0.0	6.9	5,460	1,220	13,360	1.00	13,360
	016-02-02	14.2	11.0	1.0	7.9	4.6	4.6	16%	-0.73	2.06	0%	0.0	0%	0.0	0.0	13.4	7,260	3,870	22,260	1.00	22,260
	016-02-03	1.4	11.0	0.2	0.8	1.4	0.8	16%	-0.13	0.40	0%	0.0	0%	0.0	0.0	1.2	1,640	620	4,520	1.00	4,520
	016-02-04	6.1	11.0	0.5	1.0	3.0	1.0	16%	-0.16	1.81	0%	0.0	0%	0.0	0.0	6.0	6,240	2,140	16,760	1.00	16,760
	016-02-05	12.8	11.0	0.6	4.1	4.3	4.1	16%	-0.66	2.61	0%	0.0	0%	0.0	0.0	12.1	11,050	2,370	26,840	1.00	26,840
	016-02-06	9.7	10.0	0.2	3.9	3.7	3.7	16%	-0.59	1.66	0%	0.0	0%	0.0	0.0	9.1	4,530	870	10,800	1.00	10,800
	016-02-07	14.1	10.0	0.2	5.9	3.2	3.2	16%	-0.50	1.52	0%	0.0	0%	0.0	0.0	13.6	8,840	730	19,140	1.00	19,140
	016-02-08	6.4	11.0	0.8	3.3	2.3	2.3	16%	-0.37	1.03	0%	0.0	0%	0.0	0.0	6.0	3,240	3,170	12,820	1.00	12,820
	016-02-09	8.0	10.0	0.8	3.3	4.2	3.3	16%	-0.53	2.24	0%	0.0	0%	0.0	0.0	7.5	6,980	3,270	20,500	1.00	20,500
	016-02-10	9.3	10.0	0.7	3.0	5.2	3.0	16%	-0.47	2.59	0%	0.0	0%	0.0	0.0	8.9	7,230	3,090	20,640	1.00	20,640
	016-02-11	4.8	9.0	0.3	1.1	1.9	1.1	16%	-0.18	1.00	0%	0.0	0%	0.0	0.0	4.6	5,230	1,670	13,800	1.00	13,800
	016-02-12	0.7	9.0	0.1	0.2	0.4	0.2	16%	-0.03	0.13	0%	0.0	0%	0.0	0.0	0.6	800	600	2,800	1.00	2,800
	016-02-13	7.2	9.0	0.8	2.7	3.2	2.7	16%	-0.42	2.07	0%	0.0	0%	0.0	0.0	6.8	6,930	3,840	21,540	1.00	21,540
	016-02-14	11.1	9.0	0.4	7.3	2.7	2.7	16%	-0.43	0.72	0%	0.0	0%	0.0	0.0	10.7	6,930	1,950	17,760	1.00	17,760
	016-02-15	5.9	10.0	0.6	2.2	2.6	2.2	16%	-0.35	1.17	0%	0.0	0%	0.0	0.0	5.6	5,460	2,430	15,780	1.00	15,780
	016-02-16	3.5	9.0	0.1	1.3	1.0	1.0	16%	-0.16	0.35	0%	0.0	0%	0.0	0.0	3.4	2,380	340	5,440	1.00	5,440
	016-02-17	3.5	0.0	0.0	2.1	0.7	0.7	16%	-0.12	0.75	0%	0.0	0%	0.0	0.0	3.4	3,680	0	7,360	1.00	7,360
	016-03-01	16.4	15.0	0.7	9.9	3.7	3.7	0%	0.00	3.15	0%	0.0	25%	-4.1	0.0	12.3	5,650	2,120	15,540	0.10	1,554
	016-04-01	7.6	0.0	0.0	3.8	1.4	1.4	16%	-0.22	0.76	0%	0.0	0%	0.0	0.0	7.4	4,570	0	9,140	1.00	9,140
	016-06-01	2.0	11.0	0.1	0.7	0.6	0.6	0%	0.00	0.31	0%	0.0	0%	0.0	0.0	2.0	1,460	510	3,940	0.05	197
	016-06-02	2.4	11.0	0.1	1.0	0.9	0.9	0%	0.00	0.35	0%	0.0	0%	0.0	0.0	2.4	1,580	530	4,220	0.05	211
	016-07-01	5.6	10.0	0.2	3.0	1.7	1.7	0%	0.00	0.59	0%	0.0	0%	0.0	0.0	5.6	3,100	790	7,780	0.10	778
	016-08-01	1.1	0.0	0.0	0.5	0.6	0.5	0%	0.00	0.19	0%	0.0	0%	0.0	1.9	3.0	920	0	1,840	1.00	1,840
	016-09-01	2.2	0.0	0.0	1.5	0.8	0.8	78%	-0.64	0.08	0%	0.0	0%	0.0	0.0	1.6	740	0	1,480	0.05	74
	016-09-02	4.6	9.0	0.2	2.4	1.5	1.5	78%	-1.17	1.28	0%	0.0	0%	0.0	0.0	3.4	2,800	1,000	7,600	0.05	380
	016-09-03	15.9	10.0	1.7	7.6	6.1	6.1	78%	-4.79	4.19	0%	0.0	0%	0.0	0.0	11.1	10,180	7,340	35,040	0.05	1,752
	016-09-04	3.9	10.0	0.4	1.5	2.0	1.5	78%	-1.20	0.19	0%	0.0	0%	0.0	0.0	2.7	2,940	1,870	9,620	0.05	481

				GIS Area Breakdown						
Sewershed	Subcatchment ID	Location of Trunk Sewer	Excess Flow Routing	Total Area	Roofs	Driveways	Edge of Pavement (Road)	Parking	Sidewalks	Medians
				(ac)	(ac)	(ac)	(ac)	(ac)	(ac)	(ac)
FAYETTE	007-06-01	Southern border of subcatchment, near the center	Flow south into partially separate area	4.65	1.05	0.02	1.23	0.90	0.18	-
	007-06-02	Southern border of subcatchment, on the eastern 1/3	Flow southwest into partially separate area	2.96	0.32	0.25	0.37	0.37	0.09	-
	007-06-03	Southern border of subcatchment, on the western 1/3	Flow south into partially separate area	0.94	0.13	0.09	0.16	-	0.04	-
	007-06-04	Western border of subcatchment, near the center	Flow west into the partially separate area	1.70	0.18	0.12	0.49	-	0.16	-
	007-06-05	Western border of subcatchment, near the center	Most will flow west to partially separate area. Along the eastern border of the subcatchment, excess flow goes southeast into partially separate area	8.69	1.18	0.74	2.12	-	0.52	-
	007-06-06	Western border of subcatchment, in the southern corner	Flow west into the partially separate area. Eastern half of the subcatchment has a shallow slope	9.93	1.81	0.82	1.63	-	0.50	-
	007-06-07	Western border of subcatchment, in the southern corner	Excess flow follows trunk sewer south into partially separate area	6.91	1.35	0.71	1.01	0.49	0.29	-
	007-06-08	Western border of subcatchment, near the center	Excess flow follows trunk sewer south into partially separate area	25.28	4.17	1.87	3.77	2.51	1.07	-
	007-06-09	Western border of subcatchment, in the northern 1/3	Excess flow follows trunk sewer south into partially separate area	16.70	3.32	1.66	2.70	0.06	0.72	-
	007-06-10	Western border of subcatchment, near the center	Excess flow follows trunk sewer south into partially separate area	19.08	3.64	1.30	3.16	0.62	0.83	-
	007-03-01	Trunk sewer is along the western edge of subcatchment.	Excess flow follows trunk sewer	9.67	1.68	0.59	2.23	0.05	0.50	0.04
	007-03-02	Trunk sewer is along the southwestern edge of subcatchment.	Excess flow follows trunk sewer	20.09	2.86	0.94	3.90	2.36	1.09	0.10
	007-03-03	Trunk sewer is along the southwestern edge of subcatchment.	Excess flow follows trunk sewer	5.10	3.02	0.04	0.74	0.20	0.18	0.14
	007-03-04	Trunk sewer goes through the northeastern 1/3 of subcatchment	Excess flow goes to the southeast to main street trunk sewer	3.55	1.82	0.05	0.33	0.58	0.11	-
	007-03-05	Trunk sewer is at south end of subcatchment	Excess flow continues to the southeast to main street trunk sewer	24.83	3.82	0.37	4.62	6.00	1.20	-
	007-03-06	Trunk sewer goes through the southeastern area of subcatchment	Excess flow follows trunk sewer	4.77	0.99	0.00	1.05	0.74	0.28	0.10
	007-03-07	Trunk sewer goes through the southern 1/3 of subcatchment	Excess flow follows trunk sewer	10.73	0.21	0.20	3.32	3.35	0.36	0.06
	007-03-08	Trunk sewer is along the southwestern edge of subcatchment and through the center of the subcatchment going north/south	Excess flow will primarily follow trunk sewer although some may flow to partially separate area to the west. Subcatchment is realatively flat so there may be some pooling	6.10	0.15	-	1.14	3.33	0.31	-
	007-03-09	Trunk sewer goes through center of subcatchment	Excess flow follows trunk sewer and there is a low spot at Courthouse Square	17.14	2.96	0.01	6.27	2.19	1.85	0.14
	007-03-10	Trunk sewer goes through the northeastern 1/3 of subcatchment	Excess flow follows trunk sewer. Northern area of subcatchment is relatively flat, so there may be some pooling	9.57	2.65	0.05	2.26	2.86	0.56	-
	007-03-11	Trunk sewer goes through center of subcatchment	Excess flow follows trunk sewer	14.79	2.38	-	3.06	6.30	1.29	-
	007-03-12	Trunk sewer goes through center of subcatchment	Excess flow follows trunk sewer into partially separate area	19.21	9.26	0.06	4.83	1.27	2.40	-
	007-03-13	Trunk sewer goes through the subcatchment along the northeastern border	Excess flow follows trunk sewer	14.47	4.89	0.13	3.51	3.07	1.00	-
EATON	006-03-01	Located at the southwest border of the subcatchment	Excess flow flows southwest to the combined area 006-03-03	37.18	5.03	1.71	6.03	3.83	1.74	0.01
	006-03-02	Located at the southeast corner of the subcatchment	Excess flow flows east side to the combined area 006-03-01	12.77	1.60	0.04	2.08	3.93	0.67	-
	006-03-03	Located 1/3 southeast and 2/3 northwest of the subcatchment	Excess flow flows south to the combined area 006-03-05 and also flows west to the combined area.	36.76	11.07	0.07	6.41	5.04	1.03	0.22
	006-03-05	Located at the center of subcatchment; running from north to south	Excess flow flows southwest to combined subcatchment 006-03-07	10.06	1.78	0.24	2.55	1.71	0.35	-
	006-03-06	Located at the west side of the subcatchment	Excess flow flows east to the combined sewer 006-03-12	4.94	0.61	0.05	0.81	1.63	0.26	-
	006-03-07	Located at the approximate center of subcatchment; located 1/3 from the north end and 2/3 from the south end.	Excess flow flows south to the separate area	13.23	2.29	0.04	3.27	2.91	0.77	-
	006-03-10	Located at the southwest corner of the subcatchment	Excess flow flows to the southwest of the subcatchment	6.32	2.18	0.01	1.15	1.03	0.50	-
	006-03-11	Located at the east end of the subcatchment	Excess flow routes mostly to the east into the seperate area	29.39	5.79	0.31	2.75	7.62	0.88	-
	006-03-12	Flows NW to SE through the center of subcatchment	Excess flow routes south or east into the seperate and partially seperate area	43.99	6.91	0.51	8.53	6.25	2.29	-

		Impervious Area Estimated Routing							Roof Subcatchments							
Sewershed	Subcatchment ID	% of Roofs Routed to DCIA	% of Roofs Directly Connected to Sewer	% of Driveways Routed to Pervious	% of Alleys Routed to Pervious	% Medians that are Pervious	% of Parking Routed to Pervious	% of Sidewalks Routed to Pervious	Modeled Area of Roofs Routed to Pervious	Starting Area of Roofs Routed to DCIA	Roof Area to DCIA Assumed to Flow Overland out of Subcatchment	Roof Area to DCIA Assumed to Flow Overland out of Subcatchment	Calibrated Modeled Area of Roofs Routed to DCIA	Modeled Area of Roofs Direct to Sewer (DC)	Typical Roof Flow Length	Estimated Roof Slope
		(ac)	%	%	%	%	%	%	(ac)	(ac)		(ac)	(ac)	(ac)	(ft)	%
FAYETTE	007-06-01	0%	0%	0%	0%	0%	20%	0%	1.0	0.0	0%	0	0	0	25	20
	007-06-02	0%	0%	10%	10%	0%	20%	90%	0.3	0.0	0%	0	0	0	20	38
	007-06-03	0%	0%	10%	0%	0%	0%	90%	0.1	0.0	0%	0	0	0	20	38
	007-06-04	0%	0%	0%	0%	0%	0%	0%	0.2	0.0	0%	0	0	0	20	38
	007-06-05	0%	0%	10%	40%	0%	0%	90%	1.2	0.0	0%	0	0	0	20	38
	007-06-06	0%	0%	10%	0%	0%	0%	50%	1.8	0.0	0%	0	0	0	20	38
	007-06-07	0%	0%	0%	0%	0%	0%	60%	1.4	0.0	0%	0	0	0	22	36
	007-06-08	0%	0%	20%	20%	0%	0%	30%	4.2	0.0	0%	0	0	0	20	38
	007-06-09	0%	0%	10%	30%	0%	0%	90%	3.3	0.0	0%	0	0	0	20	38
	007-06-10	0%	0%	10%	70%	0%	0%	80%	3.6	0.0	0%	0	0	0	20	38
	007-03-01	0%	0%	10%	40%	100%	0%	90%	1.7	0.0	0%	0	0	0	22	35
	007-03-02	0%	0%	10%	0%	100%	0%	90%	2.9	0.0	0%	0	0	0	22	33
	007-03-03	0%	100%	0%	0%	100%	0%	50%	0.0	0.0	0%	0	0	3.0	50	0.5
	007-03-04	0%	100%	0%	0%	100%	0%	70%	0.0	0.0	0%	0	0	1.8	50	0.5
	007-03-05	0%	50%	20%	0%	100%	0%	50%	1.9	0.0	0%	0	0	1.9	20 / 50	38 / 0.5
	007-03-06	0%	100%	0%	0%	100%	0%	50%	0.0	0.0	0%	0	0	1.0	50	0.5
	007-03-07	0%	100%	0%	0%	100%	0%	20%	0.0	0.0	0%	0	0	0.2	50	0.5
	007-03-08	100%	0%	0%	0%	100%	0%	40%	0.0	0.2	0%	0	0.2	0	50	0.5
	007-03-09	0%	100%	0%	0%	100%	0%	30%	0.0	0.0	25%	0	0	3.0	50	0.5
	007-03-10	0%	50%	0%	0%	100%	0%	20%	1.3	0.0	0%	0	0	1.3	25 / 50	20 / 0.5
	007-03-11	0%	100%	0%	0%	100%	0%	0%	0.0	0.0	0%	0	0	2.4	50	0.5
	007-03-12	0%	100%	0%	0%	100%	0%	0%	0.0	0.0	25%	0	0	9.3	50	0.5
	007-03-13	0%	100%	0%	0%	100%	0%	10%	0.0	0.0	25%	0	0	4.9	50	0.5
EATON	006-03-01	0%	0%	10%	50%	75%	0%	90%	5.0	0.0	0%	0	0	0	36	33
	006-03-02	0%	90%	0%	0%	0%	0%	30%	0.2	0.0	0%	0	0	1.4436	50	13
	006-03-03	0%	70%	0%	0%	100%	0%	20%	3.3	0.0	0%	0	0	7.7504	60	0.5
	006-03-05	0%	0%	0%	90%	0%	0%	50%	1.8	0.0	0%	0	0	0	25	33
	006-03-06	0%	0%	10%	0%	0%	0%	90%	0.6	0.0	0%	0	0	0	30	33
	006-03-07	0%	25%	0%	0%	0%	0%	70%	1.7	0.0	0%	0	0	0.572	40	15
	006-03-10	0%	100%	0%	0%	0%	0%	0%	0.0	0.0	0%	0	0	2.181	50	5
	006-03-11	25%	0%	10%	50%	0%	10%	50%	4.3	1.4	0%	0	1.4	0	22	20
	006-03-12	25%	0%	0%	20%	0%	0%	90%	5.2	1.7	0%	0	1.7	0	25	30

		DIA Subcatchments							Pervious Subcatchments					
Sewershed	Subcatchment ID	Area of Driveways Routed to Pervious	Area of Alleys Routed to Pervious	Area of Parking Routed to Pervious	Area of Sidwalks Routed to Pervious	Total Starting DIA Area	Calibrated Modeled DIA Area (includes extra area from DCIA calibration)	Model Width (assumed same as starting DCIA width)	Model Pervious Area (total GIS area - roof area - starting DCIA & DIA areas)	Average Slope to Road	Multiplication Factor for Curb Length (% of blocks that drain to both streets * 2 + % of blocks that drain to one street * 1)	Width (Length of Roads+Alleys * Multiplication Factor for Curb Length)	Calibrated Max Infiltration Rate (starting value = 10)	Calibrated Min Infiltration Rate (starting value = 0.25)
		(ac)	(ac)	(ac)	(ac)	(ac)	(ac)	(ft)	(ac)	%		(ft)	(in/hr)	(in/hr)
FAYETTE	007-06-01	-	-	0.2	-	0.2	0.2	1,950	1.3	1.6	2.0	1950.0	10.0	0.3
	007-06-02	0.0	0.0	0.1	0.1	0.2	0.2	1,390	1.6	1.1	2.0	1390.0	10.0	0.3
	007-06-03	0.0	-	-	0.0	0.0	0.0	390	0.5	3.3	2.0	390.0	10.0	0.3
	007-06-04	-	-	-	-	-	-	1,320	0.7	0.5	2.0	1320.0	10.0	0.3
	007-06-05	0.1	0.1	-	0.5	0.6	0.6	5,930	4.1	1.5	1.8	5340.0	10.0	0.3
	007-06-06	0.1	-	-	0.2	0.3	0.3	4,490	5.2	2.5	1.2	2700.0	10.0	0.3
	007-06-07	-	-	-	0.2	0.2	0.2	3,140	3.1	1.0	1.2	1880.0	10.0	0.3
	007-06-08	0.4	0.1	-	0.3	0.8	0.8	13,850	11.9	1.7	1.8	12470.0	10.0	0.3
	007-06-09	0.2	0.1	-	0.6	0.9	0.9	8,460	8.2	2.0	1.6	6770.0	10.0	0.3
	007-06-10	0.1	0.3	-	0.7	1.1	1.1	11,190	9.5	1.5	1.6	8950.0	10.0	0.3
	007-03-01	0.1	0.1	-	0.4	0.6	1.4	6,840	4.6	3.3	1.7	5810.0	3.0	3.0
	007-03-02	0.1	-	-	1.0	1.1	2.9	13,270	8.9	4.0	1.3	8630.0	3.0	3.0
	007-03-03	-	-	-	0.1	0.1	0.4	2,400	0.9	9.0	1.0	1200.0	3.0	3.0
	007-03-04	-	-	-	0.1	0.1	0.4	2,380	0.7	2.5	1.3	1550.0	3.0	3.0
	007-03-05	0.1	-	-	0.6	0.7	3.0	9,110	8.8	7.0	1.8	8200.0	3.0	3.0
	007-03-06	-	-	-	0.1	0.1	0.6	280	1.7	2.0	2.0	280.0	3.0	3.0
	007-03-07	-	-	-	0.1	0.1	1.1	5,470	3.3	4.0	2.0	5470.0	3.0	3.0
	007-03-08	-	-	-	0.1	0.1	0.7	3,570	1.2	0.7	1.5	2680.0	3.0	3.0
	007-03-09	-	-	-	0.6	0.6	2.1	7,460	3.9	0.5	1.3	4850.0	3.0	3.0
	007-03-10	-	-	-	0.1	0.1	1.0	3,660	1.2	1.7	1.8	3290.0	3.0	3.0
	007-03-11	-	-	-	-	-	1.4	5,190	1.8	1.5	1.6	4150.0	3.0	3.0
	007-03-12	-	-	-	-	-	1.8	7,980	1.4	1.2	1.5	5990.0	3.0	3.0
	007-03-13	-	-	-	0.1	0.1	1.4	5,200	1.9	1.2	1.5	3900.0	3.0	3.0
EATON	006-03-01	0.2	0.4	-	1.6	2.1	2.1	23,270	18.8	5.0	1.5	17460.0	3.0	3.0
	006-03-02	-	-	-	0.2	0.2	0.2	7,350	4.4	9.0	1.0	3680.0	3.0	3.0
	006-03-03	-	-	-	0.2	0.2	0.2	17,030	13.1	4.0	1.5	12770.0	3.0	3.0
	006-03-05	-	0.1	-	0.2	0.3	0.3	9,970	3.4	3.3	1.5	7480.0	3.0	3.0
	006-03-06	0.0	-	-	0.2	0.2	0.2	2,980	1.6	2.5	2.0	2980.0	3.0	3.0
	006-03-07	-	-	-	0.5	0.5	0.5	7,820	4.0	5.0	1.3	5200.0	3.0	3.0
	006-03-10	-	-	-	-	-	-	6,480	1.5	2.5	1.0	3240.0	3.0	3.0
	006-03-11	0.0	0.1	0.8	0.4	1.4	1.4	10,320	12.0	7.0	1.8	9030.0	3.0	3.0
	006-03-12	-	0.1	-	2.1	2.2	2.2	23,500	19.5	1.5	2.0	23500.0	3.0	3.0

		DCIA Subcatchments																			
Sewershed	Subcatchment ID	Starting DCIA Area	Estimated Width of Alleys in Subcatchment (alleys included in road GIS area)	Estimated Area of Alleys in Subcatchment (width x length)	Starting DCIA Area that is not roads (starting DCIA - roads + estimated alleys)	10% of Total Subcatchment Area	Assumed Max DCIA Area that could be DIA Area (min of non-road area and 10% of total area)	Calibration Factor for Max DCIA Area that could be DIA Area	Calibrated DCIA Area that should be DIA Area	Assumed Max DIA Area that could be DCIA Area (min of starting DIA area and 10% of total area)	Calibration Factor for Max DIA Area that could be DCIA Area	Calibrated DIA Area that should be DCIA Area	DCIA Area Assumed to Flow Overland out of Subcatchment	DCIA Area Assumed to Flow Overland out of Subcatchment	Other DCIA Area Adjustment per Calibration	Calibrated Modeled DCIA Area	Length of Streets in Sub-catchment	Length of Alleys in Sub-catchment	Starting Model Width (Length of Roads+ Alleys * 2)	Calibration Width Adjustment Factor	Calibrated Modeled Width
		(ac)	(ft)	(ac)	(ac)		(ac)		(ac)	(ac)		(ac)		(ac)	(ac)	(ac)	(ft)	(ft)	(ft)		(ft)
FAYETTE	007-06-01	2.1	0.0	0.0	0.9	0.5	0.5	0%	0.00	0.18	0%	0.0	0%	0.0	0.0	2.1	975	0	1,950	0.10	195
	007-06-02	0.9	10.0	0.0	0.6	0.3	0.3	0%	0.00	0.18	0%	0.0	0%	0.0	0.0	0.9	495	200	1,390	0.10	139
	007-06-03	0.2	0.0	0.0	0.1	0.1	0.1	0%	0.00	0.04	0%	0.0	0%	0.0	0.0	0.2	195	0	390	0.10	39
	007-06-04	0.8	0.0	0.0	0.3	0.2	0.2	0%	0.00	0.00	0%	0.0	0%	0.0	0.0	0.8	660	0	1,320	0.10	132
	007-06-05	2.8	10.0	0.1	0.8	0.9	0.8	0%	0.00	0.60	0%	0.0	0%	0.0	0.0	2.8	2,345	620	5,930	0.10	593
	007-06-06	2.6	12.0	0.1	1.1	1.0	1.0	0%	0.00	0.33	0%	0.0	0%	0.0	0.0	2.6	1,946	300	4,490	0.10	449
	007-06-07	2.3	10.0	0.0	1.4	0.7	0.7	0%	0.00	0.17	0%	0.0	0%	0.0	0.0	2.3	1,400	170	3,140	0.10	314
	007-06-08	8.4	9.0	0.6	5.2	2.5	2.5	0%	0.00	0.81	0%	0.0	0%	0.0	0.0	8.4	4,185	2,740	13,850	0.10	1,385
	007-06-09	4.3	9.0	0.2	1.8	1.7	1.7	0%	0.00	0.88	0%	0.0	0%	0.0	0.0	4.3	3,170	1,060	8,460	0.10	846
	007-06-10	4.8	11.0	0.5	2.1	1.9	1.9	0%	0.00	1.11	0%	0.0	0%	0.0	0.0	4.8	3,770	1,825	11,190	0.10	1,119
	007-03-01	2.7	14.0	0.3	0.8	1.0	0.8	93%	-0.75	0.62	0%	0.0	0%	0.0	0.0	2.0	2,535	885	6,840	1.00	6,840
	007-03-02	7.2	15.0	0.2	3.5	2.0	2.0	93%	-1.87	1.07	0%	0.0	0%	0.0	0.0	5.4	6,045	590	13,270	1.00	13,270
	007-03-03	1.1	0.0	0.0	0.3	0.5	0.3	93%	-0.31	0.09	0%	0.0	0%	0.0	0.0	0.8	1,200	0	2,400	1.00	2,400
	007-03-04	1.0	0.0	0.0	0.7	0.4	0.4	93%	-0.33	0.08	0%	0.0	0%	0.0	0.0	0.7	1,190	0	2,380	1.00	2,380
	007-03-05	11.5	16.0	0.1	7.0	2.5	2.5	93%	-2.31	0.68	0%	0.0	0%	0.0	0.0	9.2	4,320	235	9,110	1.00	9,110
	007-03-06	1.9	0.0	0.0	0.9	0.5	0.5	93%	-0.44	0.14	0%	0.0	0%	0.0	0.0	1.5	140	0	280	1.00	280
	007-03-07	7.2	0.0	0.0	3.8	1.1	1.1	93%	-1.00	0.07	0%	0.0	0%	0.0	0.0	6.2	2,735	0	5,470	1.00	5,470
	007-03-08	4.7	13.0	0.1	3.6	0.6	0.6	93%	-0.57	0.13	0%	0.0	0%	0.0	0.0	4.1	1,490	295	3,570	1.00	3,570
	007-03-09	9.8	20.0	0.1	3.6	1.7	1.7	93%	-1.59	0.56	0%	0.0	25%	-2.0	0.0	6.1	3,600	130	7,460	1.00	7,460
	007-03-10	5.6	20.0	0.1	3.4	1.0	1.0	93%	-0.89	0.11	0%	0.0	0%	0.0	0.0	4.7	1,665	165	3,660	1.00	3,660
007-03-11	10.6	20.0	0.1	7.7	1.5	1.5	93%	-1.37	0.00	0%	0.0	0%	0.0	0.0	9.3	2,300	295	5,190	1.00	5,190	
007-03-12	8.6	18.0	0.3	4.0	1.9	1.9	93%	-1.79	0.00	0%	0.0	25%	-1.7	0.0	5.1	3,265	725	7,980	1.00	7,980	
007-03-13	7.6	0.0	0.0	4.1	1.4	1.4	93%	-1.34	0.10	0%	0.0	25%	-1.6	0.0	4.7	2,600	0	5,200	1.00	5,200	
EATON	006-03-01	11.2	10.0	0.8	5.9	3.7	3.7	0%	0.00	2.12	0%	0.0	0%	0.0	0.0	11.2	8,296	3,341	23,270	0.13	3,025
	006-03-02	6.5	10.0	0.1	4.6	1.3	1.3	0%	0.00	0.20	0%	0.0	0%	0.0	0.0	6.5	3,200	477	7,350	0.13	955.5
	006-03-03	12.4	18.0	0.5	6.5	3.7	3.7	0%	0.00	0.21	0%	0.0	0%	0.0	0.0	12.4	7,220	1,295	17,030	0.13	2,214
	006-03-05	4.6	9.0	0.1	2.1	1.0	1.0	0%	0.00	0.28	0%	0.0	0%	0.0	0.0	4.6	4,446	540	9,970	0.13	1,296
	006-03-06	2.5	9.0	0.1	1.8	0.5	0.5	0%	0.00	0.23	0%	0.0	0%	0.0	0.0	2.5	960	530	2,980	0.13	387.4
	006-03-07	6.4	15.0	0.2	3.4	1.3	1.3	0%	0.00	0.54	0%	0.0	0%	0.0	0.0	6.4	3,360	550	7,820	0.13	1,017
	006-03-10	2.7	15.0	0.1	1.7	0.6	0.6	0%	0.00	0.00	0%	0.0	0%	0.0	0.0	2.7	2,866	375	6,480	0.13	842.4
	006-03-11	10.2	10.0	0.3	7.7	2.9	2.9	0%	0.00	1.38	0%	0.0	0%	0.0	0.0	10.2	3,870	1,290	10,320	0.13	1,342
	006-03-12	15.4	10.0	0.6	7.5	4.4	4.4	0%	0.00	2.18	0%	0.0	0%	0.0	0.0	15.4	9,160	2,590	23,500	0.13	3,055

				GIS Area Breakdown						
Sewershed	Subcatchment ID	Location of Trunk Sewer	Excess Flow Routing	Total Area	Roofs	Driveways	Edge of Pavement (Road)	Parking	Sidewalks	Medians
				(ac)	(ac)	(ac)	(ac)	(ac)	(ac)	(ac)
SPRING - CAROLINE	003-02-01	Main trunk goes through the low spot. Follows the northeast border of the subcatchment	Excess flow follows the trunk sewer. Excess flow from the southwest corner can also go down south to the Eaton-CS	68.47	9.49	4.47	11.07	0.82	2.27	0.00
	003-02-02	Main trunk sewer goes through low spot of area, about 1/3 to the northwest and 2/3 to the southeast	Excess flow follows the trunk sewer; flows south to the next combined area	22.81	2.44	1.25	3.40	1.15	0.78	0.01
	003-02-04	Trunk sewer is along the southwestern and east edge of subcatchment.	Excess flow follows the trunk sewer on the south side to the separate sewer area; Excess flow from the west side flows west to the adjoiningg separate area	51.10	7.70	1.61	8.95	2.56	1.95	-
	003-02-05	Along east border of the subcatchment	Excess flow follows the trunk sewer; flows south to the next combines area	26.79	3.18	0.96	5.84	1.35	1.18	-
	003-02-07	Main trunk sewer located at the northeast corner of the subcatchment	Excess flow goes south to the separate area	2.87	0.13	0.01	0.72	0.92	0.15	-
	003-03-03	Main trunk sewer is located about 1/3 to the southwest and 2/3 to the southeast border.	Excess flow follows the trunk sewer; flows south to the next combined area	45.27	6.58	2.17	6.07	1.63	1.37	-
	003-03-06	Main trunk sewer is located approximately at the middle of the subcatchment	Excess flow goes south/main trunk sewer to the separate area	47.51	7.55	2.09	9.06	2.39	1.91	-
	003-05-01	Center of the southern half of 003-06 area	Excess flow travels west along roadways	12.29	2.12	0.74	2.06	0.65	0.22	-
	003-06-01	Southern most point of the subcatchment	Excess flow follows the main trunk and flows south to the combined sewer 003-07-05	30.80	3.98	1.47	8.16	0.46	1.37	-
	003-07-02	Located at the southwest corner of the subcatchment	Excess flow goes to the west and south direction of the subcatchment	56.55	11.71	5.02	9.83	0.11	2.11	-
	003-07-03	Located 1/3 southwest and 2/3 southeast of the subcatchment	Excess flow goes to the combined area 003-06-01 in the east	70.19	14.59	5.12	10.36	1.88	3.21	-
	003-07-04	Near the south corner of subcatchment	Excess flow follows the main trunk sewer and flows east to combined area 003-07-05	23.29	4.44	1.32	4.09	1.01	1.41	-
	003-07-05	Near the east corner of the subcatchment	Excess flow follows the main trunk sewer and flows southwest to combined area 003-02-02	24.51	3.44	1.52	5.14	0.73	1.27	-

		Impervious Area Estimated Routing							Roof Subcatchments							
Sewershed	Subcatchment ID	% of Roofs Routed to DCIA	% of Roofs Directly Connected to Sewer	% of Driveways Routed to Pervious	% of Alleys Routed to Pervious	% Medians that are Pervious	% of Parking Routed to Pervious	% of Sidewalks Routed to Pervious	Modeled Area of Roofs Routed to Pervious	Starting Area of Roofs Routed to DCIA	Roof Area to DCIA Assumed to Flow Overland out of Subcatchment	Roof Area to DCIA Assumed to Flow Overland out of Subcatchment	Calibrated Modeled Area of Roofs Routed to DCIA	Modeled Area of Roofs Direct to Sewer (DC)	Typical Roof Flow Length	Estimated Roof Slope
		(ac)	%	%	%	%	%	%	(ac)	(ac)		(ac)	(ac)	(ac)	(ft)	%
SPRING - CAROLINE	003-02-01	0%	0%	10%	30%	0%	0%	40%	9.5	0.0	0%	0	0	0	15	37
	003-02-02	0%	0%	10%	20%	0%	0%	60%	2.4	0.0	0%	0	0	0	20	37
	003-02-04	0%	0%	15%	30%	0%	0%	90%	7.7	0.0	0%	0	0	0	20	37
	003-02-05	0%	0%	5%	40%	0%	0%	90%	3.2	0.0	0%	0	0	0	18	37
	003-02-07	0%	0%	0%	20%	0%	0%	90%	0.1	0.0	0%	0	0	0	19	37
	003-03-03	0%	0%	10%	40%	0%	0%	95%	6.6	0.0	0%	0	0	0	32	33
	003-03-06	0%	0%	10%	50%	0%	0%	95%	7.6	0.0	0%	0	0	0	16	37
	003-05-01	0%	0%	0%	0%	0%	0%	0%	2.1	0.0	0%	0	0	0	17	33
	003-06-01	0%	0%	0%	0%	0%	0%	0%	4.0	0.0	0%	0	0	0	18	33
	003-07-02	25%	0%	10%	20%	0%	0%	50%	8.8	2.9	0%	0	2.9	0	30	33
	003-07-03	25%	0%	10%	40%	0%	0%	90%	10.9	3.6	0%	0	3.6	0	35	33
	003-07-04	25%	0%	10%	20%	0%	5%	80%	3.3	1.1	0%	0	1.1	0	30	33
	003-07-05	25%	0%	10%	30%	0%	0%	60%	2.6	0.9	0%	0	0.9	0	25	33

		DIA Subcatchments							Pervious Subcatchments					
Sewershed	Subcatchment ID	Area of Driveways Routed to Pervious	Area of Alleys Routed to Pervious	Area of Parking Routed to Pervious	Area of Sidwalks Routed to Pervious	Total Starting DIA Area	Calibrated Modeled DIA Area (includes extra area from DCIA calibration)	Model Width (assumed same as starting DCIA width)	Model Pervious Area (total GIS area - roof area - starting DCIA & DIA areas)	Average Slope to Road	Multiplication Factor for Curb Length (% of blocks that drain to both streets * 2 + % of blocks that drain to one street * 1)	Width (Length of Roads+Alleys * Multiplication Factor for Curb Length)	Calibrated Max Infiltration Rate (starting value = 10)	Calibrated Min Infiltration Rate (starting value = 0.25)
		(ac)	(ac)	(ac)	(ac)	(ac)	(ac)	(ft)	(ac)	%		(ft)	(in/hr)	(in/hr)
SPRING - CAROLINE	003-02-01	0.4	0.4	-	0.9	1.7	8.6	196,752 ¹	40.3	5.0	1.3	25280.0	4.0	4.0
	003-02-02	0.1	0.0	-	0.5	0.6	2.9	59,841 ¹	13.8	5.0	1.7	10520.0	4.0	4.0
	003-02-04	0.2	0.3	-	1.8	2.3	7.2	88,697 ¹	28.3	4.0	1.8	25500.0	4.0	4.0
	003-02-05	0.0	0.2	-	1.1	1.3	4.0	54,365 ¹	14.3	5.0	1.5	12810.0	4.0	4.0
	003-02-07	-	0.0	-	0.1	0.2	0.4	4,560 ¹	0.9	2.4	1.3	1420.0	4.0	4.0
	003-03-03	0.2	0.2	-	1.3	1.7	1.7	18,340	27.5	5.0	1.7	15590.0	4.0	4.0
	003-03-06	0.2	0.5	-	1.8	2.6	2.6	29,160	24.5	6.0	1.5	21140.0	4.0	4.0
	003-05-01	-	-	-	-	-	-	8,480	6.5	3.0	1.8	7420.0	4.0	4.0
	003-06-01	-	-	-	-	-	-	25,920	15.4	4.0	1.8	22680.0	4.0	4.0
	003-07-02	0.5	0.3	-	1.1	1.9	7.5	148,433 ¹	27.8	4.0	1.7	31020.0	4.0	4.0
	003-07-03	0.5	0.5	-	2.9	3.9	10.9	83,710 ¹	35.0	3.0	1.5	22460.0	4.0	4.0
	003-07-04	0.1	0.1	0.1	1.1	1.4	3.7	38,030 ¹	11.0	3.0	1.8	12590.0	4.0	4.0
	003-07-05	0.2	0.1	-	0.8	1.0	3.5	54,743 ¹	12.4	1.5	1.6	12510.0	4.0	4.0

NOTE:
¹The modeled DIA width was assumed to be the same as the starting DCIA width for the calibration to the 2015 data. When updates were made to adjust the "Calibration Factor for Max DCIA Area that could be DIA Area" based on the 2017 meter data, the modeled DIA flow length was kept the same to maintain the calibrated shape and timing of flow peaks, and the width was recalculated as the modeled DIA area divided by the modeled flow length.

DCIA Subcatchments																					
Sewershed	Subcatchment ID	Starting DCIA Area	Estimated Width of Alleys in Subcatchment (alleys included in road GIS area)	Estimated Area of Alleys in Subcatchment (width x length)	Starting DCIA Area that is not roads (starting DCIA - roads + estimated alleys)	10% of Total Subcatchment Area	Assumed Max DCIA Area that could be DIA Area (min of non-road area and 10% of total area)	Calibration Factor for Max DCIA Area that could be DIA Area	Calibrated DCIA Area that should be DIA Area	Assumed Max DIA Area that could be DCIA Area (min of starting DIA area and 10% of total area)	Calibration Factor for Max DIA Area that could be DCIA Area	Calibrated DIA Area that should be DCIA Area	DCIA Area Assumed to Flow Overland out of Subcatchment	DCIA Area Assumed to Flow Overland out of Subcatchment	Other DCIA Area Adjustment per Calibration	Calibrated Modeled DCIA Area	Length of Streets in Sub-catchment	Length of Alleys in Sub-catchment	Starting Model Width (Length of Roads+ Alleys * 2)	Calibration Width Adjustment Factor	Calibrated Modeled Width
		(ac)	(ft)	(ac)	(ac)		(ac)		(ac)	(ac)		(ac)		(ac)	(ac)	(ac)	(ft)	(ft)	(ft)		(ft)
SPRING - CAROLINE	003-02-01	16.9	11.0	1.2	7.1	6.8	6.8	100%	-6.85	1.72	0%	0.0	0%	0.0	0.0	10.1	14,662	4,782	38,890	0.03	694 ²
	003-02-02	6.0	10.0	0.1	2.7	2.3	2.3	100%	-2.28	0.62	0%	0.0	0%	0.0	0.0	3.7	5,543	645	12,380	0.03	227 ²
	003-02-04	12.8	11.0	1.1	4.9	5.1	4.9	100%	-4.87	2.31	0%	0.0	0%	0.0	0.0	7.9	9,959	4,207	28,330	0.03	523 ²
	003-02-05	8.0	10.0	0.6	2.7	2.7	2.7	100%	-2.68	1.35	0%	0.0	0%	0.0	0.0	5.3	6,205	2,632	17,670	0.03	351 ²
	003-02-07	1.7	14.0	0.1	1.0	0.3	0.3	100%	-0.29	0.15	0%	0.0	0%	0.0	0.0	1.4	940	199	2,280	0.03	56 ²
	003-03-03	9.5	10.0	0.5	4.0	4.5	4.0	0%	0.00	1.73	0%	0.0	0%	0.0	0.0	9.5	6,840	2,330	18,340	0.06	1,100
	003-03-06	12.9	10.0	1.1	4.9	4.8	4.8	0%	0.00	2.55	0%	0.0	0%	0.0	0.0	12.9	9,976	4,606	29,160	0.06	1,750
	003-05-01	3.7	12.0	0.4	2.0	1.2	1.2	0%	0.00	0.00	0%	0.0	0%	0.0	0.0	3.7	2,720	1,520	8,480	0.01	84.8
	003-06-01	11.5		0.0	3.3	3.1	3.1	0%	0.00	0.00	0%	0.0	0%	0.0	0.0	11.5	9,870	3,090	25,920	0.03	777.6
	003-07-02	15.2	10.0	1.7	7.0	5.7	5.7	100%	-5.66	1.89	0%	0.0	0%	0.0	0.0	9.5	11,575	7,225	37,600	0.03	709 ²
	003-07-03	16.7	10.0	1.2	7.6	7.0	7.0	100%	-7.02	3.90	0%	0.0	0%	0.0	0.0	9.6	9,580	5,395	29,950	0.03	520 ²
	003-07-04	6.4	9.0	0.4	2.7	2.3	2.3	100%	-2.33	1.39	0%	0.0	0%	0.0	0.0	4.1	5,350	1,845	14,390	0.03	276 ²
	003-07-05	7.6	11.0	0.4	2.9	2.5	2.5	100%	-2.45	1.04	0%	0.0	0%	0.0	0.0	5.2	6,100	1,720	15,640	0.03	320 ²

NOTE:

²The modeled DCIA widths were calibrated to the 2015 data using the "Calibration Width Adjustment Factor" shown in the table. When updates were made to adjust the "Calibration Factor for Max DCIA Area that could be DIA Area" based on the 2017 meter data, the modeled DCIA flow length from was kept the same to maintain the calibrated shape and timing of flow peaks, and the width was recalculated as the modeled DCIA area divided by the modeled flow length.

APPENDIX G

RDII Summary



Flowmeter	Location	RDII Group	Baseline Constant DWF (cfs)	Average Variable DWF (cfs)	Long-Term Response RTK			Long-Term Response Initial Abstraction		Medium-Term Response RTK			Medium-Term Response Initial Abstraction		Short-Term Response RTK			Short-Term Response Initial Abstraction	
					R	T	K	Dmax	Drec	R	T	K	Dmax	Drec	R	T	K	Dmax	Drec
000-06FT	Riverfront Interceptor upstream of Caroline St. regulator	medium-high	1.1	0	0.06	1	144	3	0.1	0.04	1.5	16	5	0.1	0.01	1	2	0	0
000-07FT	1561 E Lake Ave. in grass on north side of road	high-varies by month	0.2	0.157	0.3	1	336	4	0.1428	0.12	1	36	1	0.1	0.05	0.083	27	0.5	0.5
000-08FT	N Prospect & E London Ave.	high	0.15	0.171	0.4	2	108	2	0.1428	0.13	1.5	24	0.3	0.1	0.0667	1	6	0.3	0.1
000-09FT	London Ave, just west of Prospect & London																		
000-10FT	RFI upstream of Grandview Pump Station	low-high	0.045	0.0368	0.12	1	144	3	0.1	0.04	1.5	16	5	0.1	0.01	1	2	0	0
000-11FT	RFI upstream of Grandview Pump Station	low	0.09	0.331	0	0	0	0	0	0.04	2	60	2	0.07	0.005	0.083	45	0	0
019-02FP	Darst St. Regulator	low - extrapolated (same as 019-04)	0.3	0.733	0	0	0	0	0	0.008	0.4	20	0	0	0.011	0.4	7.5	0	0
019-04FT	Separate trunk sewer	low	0.1	0.241	0	0	0	0	0	0.008	0.4	20	0	0	0.011	0.4	7.5	0	0
019-05FT	Separate trunk sewer	low	0.03	0.0876	0	0	0	0	0	0.008	0.4	20	0	0	0.011	0.4	7.5	0	0
019-06FT	Separate trunk sewer	medium	0.17	0.1234	0	0	0	0	0	0.06	0.0167	119.7	0	0	0	0	0	0	0
019-07FT	Separate trunk sewer	low - extrapolated (same as 019-10)	0.05	0.0535	0	0	0	0	0	0.005	0.0167	119.7	0	0	0	0	0	0	0
019-08FT	Combined trunk sewer	low-medium - extrapolated (half of 014-01 medium response)	0	0.0322	0	0	0	0	0	0.03	0.0167	15	0	0	0	0	0	0	0
019-10FT	Storm and combined bypass trunk sewer - no DWF - receives overflow from 016 sewershed upstream	low - extrapolated (same as 019-07)	0	0	0	0	0	0	0	0.005	0.0167	119.7	0	0	0	0	0	0	0
016-09FT (019-11FT)	016 sewershed combined trunk sewer downstream of overflow diversion to Outfall 019 sewershed - all base flow goes to Outfall 016 sewershed	low - extrapolated (same as 019-07)	0.25	0.415	0	0	0	0	0	0.005	0.0167	119.7	0	0	0	0	0	0	0
018-04FP	Upstream of Sanger St. Regulator	medium - extrapolated (same as 014-01)	0.25	0.339	0	0	0	0	0	0.03	0.05	20	0.5	0.167	0.06	0.0167	14.96	0	0
018-05FP	Upstream of Washington St. Regulator West of Sanger St.	medium - extrapolated (same as 014-01)	0.01	0.041	0	0	0	0	0	0.03	0.05	20	0.5	0.167	0.06	0.0167	14.96	0	0
018-06FP	Upstream of Washington St. Regulator East of Sanger St.	medium - extrapolated (same as 014-01)	0.0062	0.023	0	0	0	0	0	0.03	0.05	20	0.5	0.167	0.06	0.0167	14.96	0	0
017-02FP	Upstream of South St. Regulator	medium - extrapolated (same as 014-01)	0.03	0.073	0	0	0	0	0	0.03	0.05	20	0.5	0.167	0.06	0.0167	14.96	0	0

Flowmeter	Location	RDII Group	Baseline Constant DWF (cfs)	Average Variable DWF (cfs)	Long-Term Response RTK			Long-Term Response Initial Abstraction		Medium-Term Response RTK			Medium-Term Response Initial Abstraction		Short-Term Response RTK			Short-Term Response Initial Abstraction	
					R	T	K	Dmax	Drec	R	T	K	Dmax	Drec	R	T	K	Dmax	Drec
016-02FP	Upstream of Cedar St. Regulator	low - extrapolated (same as 019-07)	0.3	0.862	0	0	0	0	0	0.005	0.0167	119.7	0	0	0	0	0	0	0
016-03FP	Upstream of Water St. Regulator	low - extrapolated (same as 019-07)	0	0	0	0	0	0	0	0.005	0.0167	119.7	0	0	0	0	0	0	0
016-06FT	Mostly separate trunk sewer	high - extrapolated (uses 014-01 medium and partial fast response plus average long response)	0.2	0.158	0.4	2	168	0	0	0.03	0.05	20	0.5	0.167	0.012	0.0167	15	0	0
016-07FT	Mostly separate trunk sewer	low-medium - extrapolated (uses 014-01 medium and partial fast response)	0.1	0.478	0	0	0	0	0	0.03	0.05	20	0.5	0.167	0.021	0.0167	15	0	0
016-08FT	Mostly separate trunk sewer	medium - extrapolated (same as 014-01)	0.2	0.137	0	0	0	0	0	0.03	0.05	20	0.5	0.167	0.06	0.0167	15	0	0
014-01FT	Upstream of State St. Regulator	medium - same 6% volume as 019-06 with additional slower response at 0.5 inches of rain	0.01	0.0152	0	0	0	0	0	0.033	0.05	20	0.5	0.167	0.06	0.0167	15	0	0
009-03FPA	Downstream Fulton St. Regulator	high	0	0	0.3	0.16	120	0	0.05	0.1	0.167	45	0	0.05	0.15	0.167	2	0	20
009-03FPB	Upstream Fulton St. Regulator	medium-high	0	0.0371	0.05	0.0167	60	0	0.05	0.05	0.0167	45	0	0.05	0.06	0.0167	5	0.1	20
007-05FT	Separate trunk sewer	high - Drec varies by month	0.1	0.138	0.3	2	216	1	0.0556	0.2	1	36	2.8	0.1556	0.06	0.5	6	1	0.0714
007-06FT	Mostly separate trunk sewer	high - extrapolated (007-05 values with half long response, Drec varies by month)	0.45	0.421	0.15	2	216	1	0.0556	0.2	1	36	2.8	0.1556	0.06	0.5	6	1	0.0714
006-03FP	Upstream of Eaton Swirl Concentrator	low - extrapolated (uses medium 014-01 values)	0.9	0.78	0	0	0	0	0	0.03	0.05	20	0.5	0.167	0	0	0	0	0
003-02FP	Upstream of Spring St. Regulator	medium - extrapolated (014-01 values with half short response R)	0.1363	0.351	0	0	0	0	0	0.03	0.05	20	0.5	0.167	0.03	0.0167	15	0	0
003-03FP	Upstream of Caroline St. Regulator	medium - extrapolated (014-01 values with half short response R)	0.02166	0.13498	0	0	0	0	0	0.03	0.05	20	0.5	0.167	0.03	0.0167	15	0	0
003-04FT	Caroline St. Regulator	medium - extrapolated (same as 014-01)	0	0	0	0	0	0	0	0.03	0.05	20	0.5	0.167	0.06	0.0167	15	0	0
003-05FT	Combined trunk sewer parallel to Prospect Rd. storm sewer	high - extrapolated (000-08+000-09 with higher short R)	0.1532	0.205	0.4	2	108	2	0.1428	0.13	1.5	24	0.3	0.1	0.13	1	6	0.3	0.1
003-07FT	Combined trunk sewer upstream of Spring/Caroline sewershed diversion	high - extrapolated (same as 000-08+000-09)	0.3551	0.8864	0.4	2	108	2	0.1428	0.13	1.5	24	0.3	0.1	0.067	1	6	0.3	0.1

APPENDIX H

Calibration and Verification Tables and Graphs

(included separately due to file size)

APPENDIX I

Interceptor and Throttle Pipe Direct Connections from GPSD

Riverfront Interceptor Connections Not Previously Monitored
 During the 2015, ADS, Flow Monitoring Efforts

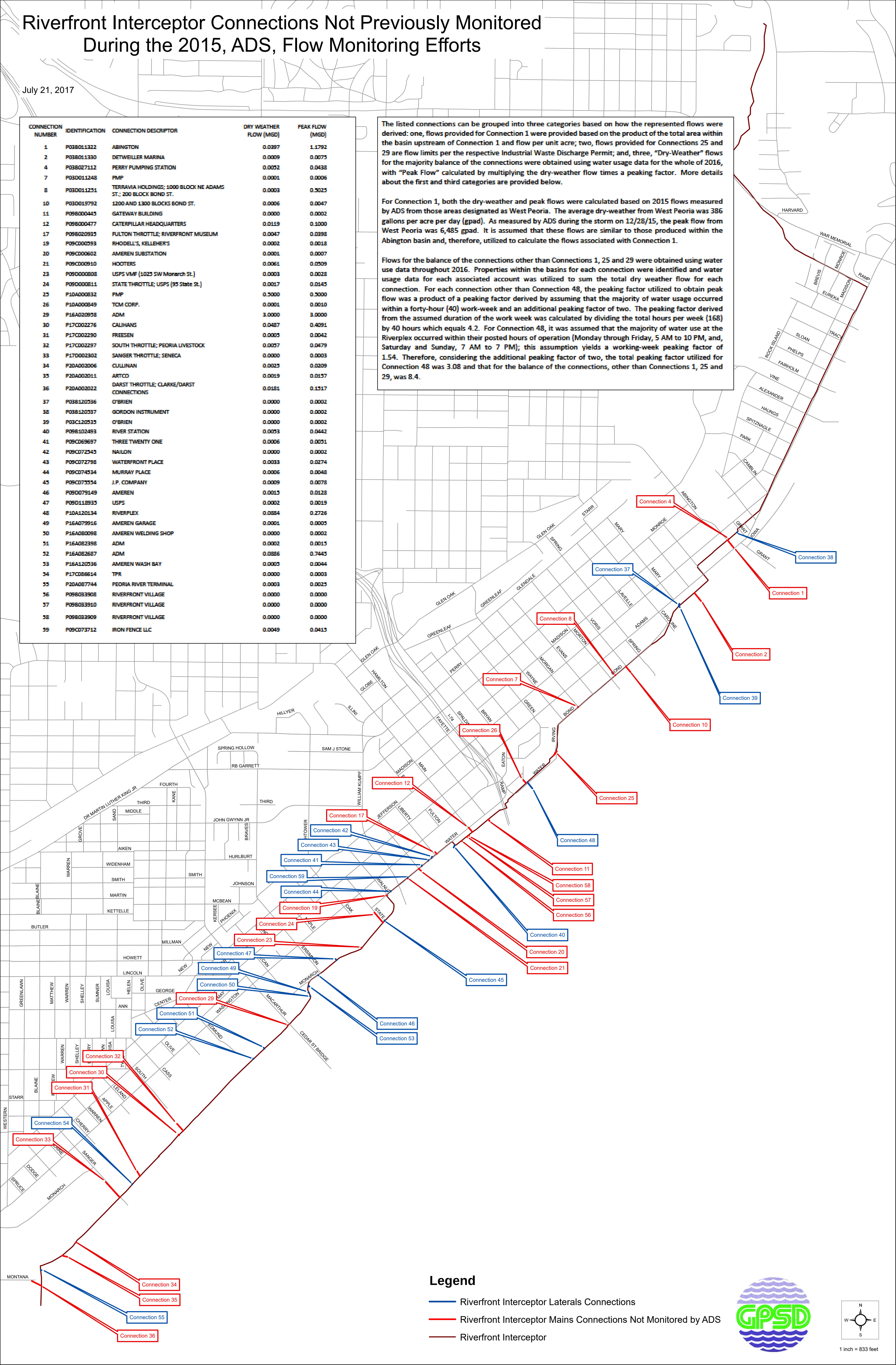
July 21, 2017

CONNECTION NUMBER	IDENTIFICATION	CONNECTION DESCRIPTOR	DRY WEATHER FLOW (MGD)	PEAK FLOW (MGD)
1	P098011322	ABINGTON	0.0397	1.1792
2	P098011330	DETWEILLER MARINA	0.0009	0.0073
4	P098027112	PERRY PUMPING STATION	0.0032	0.0438
7	P09D011248	PMP	0.0001	0.0006
8	P09D011231	TERRAVIA HOLDINGS; 1000 BLOCK NE ADAMS ST.; 200 BLOCK BOND ST.	0.0003	0.3023
10	P09D019792	1200 AND 1300 BLOCKS BOND ST.	0.0006	0.0047
11	P098000443	GATEWAY BUILDING	0.0000	0.0002
12	P098000477	CATERPILLAR HEADQUARTERS	0.0119	0.1000
17	P098020933	FULTON THROTTLE; RIVERFRONT MUSEUM	0.0047	0.0398
19	P09C000593	RHODELL'S, KELLEHER'S	0.0002	0.0018
20	P09C000602	AMEREN SUBSTATION	0.0001	0.0007
21	P09C000910	HOOTERS	0.0061	0.0509
23	P09D000808	USPS VMF (1025 SW Monarch St.)	0.0003	0.0028
24	P09D000811	STATE THROTTLE; USPS (95 State St.)	0.0017	0.0143
25	P10A000832	PMP	0.3000	0.3000
26	P10A000849	TOM CORP.	0.0001	0.0010
29	P16A0029958	ADM	3.0000	3.0000
30	P17C002276	CALIHANS	0.0487	0.4091
31	P17C002290	FREENEN	0.0003	0.0042
32	P17D002297	SOUTH THROTTLE; PEORIA LIVESTOCK	0.0037	0.0479
33	P17D002302	SANGER THROTTLE; SENECA	0.0000	0.0003
34	P20A002006	CULLINAN	0.0023	0.0209
35	P20A003011	ARTCO	0.0019	0.0157
36	P20A002022	DARST THROTTLE; CLARKE/DARST CONNECTIONS	0.0181	0.1317
37	P098120336	O'BRIEN	0.0000	0.0002
38	P098120337	GORDON INSTRUMENT	0.0000	0.0002
39	P09C120335	O'BRIEN	0.0000	0.0002
40	P098102493	RIVER STATION	0.0033	0.0442
41	P09C09697	THREE TWENTY ONE	0.0006	0.0031
42	P09C072543	NAILON	0.0000	0.0002
43	P09C072798	WATERFRONT PLACE	0.0033	0.0274
44	P09C074334	MURRAY PLACE	0.0006	0.0048
45	P09C073534	J.P. COMPANY	0.0009	0.0078
46	P09D079149	AMEREN	0.0013	0.0128
47	P09D118933	USPS	0.0002	0.0019
48	P10A120134	RIVERPLEX	0.0884	0.2726
49	P16A079916	AMEREN GARAGE	0.0001	0.0003
50	P16A080098	AMEREN WELDING SHOP	0.0000	0.0002
51	P16A082398	ADM	0.0002	0.0013
52	P16A082687	ADM	0.0886	0.7443
53	P16A120336	AMEREN WASH BAY	0.0003	0.0044
54	P17C086614	TPR	0.0000	0.0003
55	P20A087744	PEORIA RIVER TERMINAL	0.0003	0.0023
56	P098033908	RIVERFRONT VILLAGE	0.0000	0.0000
57	P098033910	RIVERFRONT VILLAGE	0.0000	0.0000
58	P098033909	RIVERFRONT VILLAGE	0.0000	0.0000
59	P09C073712	IRON FENCE LLC	0.0049	0.0413

The listed connections can be grouped into three categories based on how the represented flows were derived: one, flows provided for Connection 1 were provided based on the product of the total area within the basin upstream of Connection 1 and flow per unit acre; two, flows provided for Connections 25 and 29 are flow limits per the respective Industrial Waste Discharge Permit; and, three, "Dry-Weather" flows for the majority balance of the connections were obtained using water usage data for the whole of 2016, with "Peak Flow" calculated by multiplying the dry-weather flow times a peaking factor. More details about the first and third categories are provided below.

For Connection 1, both the dry-weather and peak flows were calculated based on 2015 flows measured by ADS from those areas designated as West Peoria. The average dry-weather from West Peoria was 386 gallons per acre per day (gpac). As measured by ADS during the storm on 12/28/15, the peak flow from West Peoria was 6,485 gpac. It is assumed that these flows are similar to those produced within the Abington basin and, therefore, utilized to calculate the flows associated with Connection 1.

Flows for the balance of the connections other than Connections 1, 25 and 29 were obtained using water use data throughout 2016. Properties within the basins for each connection were identified and water usage data for each associated account was utilized to sum the total dry weather flow for each connection. For each connection other than Connection 48, the peaking factor utilized to obtain peak flow was a product of a peaking factor derived by assuming that the majority of water usage occurred within a forty-hour (40) work-week and an additional peaking factor of two. The peaking factor derived from the assumed duration of the work week was calculated by dividing the total hours per week (168) by 40 hours which equals 4.2. For Connection 48, it was assumed that the majority of water use at the Riverplex occurred within their posted hours of operation (Monday through Friday, 5 AM to 10 PM, and, Saturday and Sunday, 7 AM to 7 PM); this assumption yields a working-week peaking factor of 1.54. Therefore, considering the additional peaking factor of two, the total peaking factor utilized for Connection 48 was 3.08 and that for the balance of the connections, other than Connections 1, 25 and 29, was 8.4.



APPENDIX J

Riverfront Interceptor
Sediment Depth
Measurements from GPSD

MH Sta.	Pipe Dia.(In.)	April 2017 Grit Depth (in.)
300.06	84	0.0
412.80	84	0.0
569.80	84	0.0
859.80	84	0.0
1086.30	84	0.0
1328.10	84	0.0
1639.00	84	0.0
1748.00	84	12.0
1916.70	84	0.0
2193.70	84	6.0
2488.20	84	6.0
2783.00	84	3.5
3082.00	78	0.0
3268.20	78	0.0
4660.20	78	6.0
5054.70	78	7.0
5219.70	78	10.0
5514.70	78	14.0
6187.70	78	18.0
6892.30	78	25.0
7258.30	78	21.0
7615.40	78	23.0
8013.40	78	33.0
8327.40	69	0.0
8601.40	69	17.0
8926.40	69	16.0
9320.60	69	12.0
9354.00	69	17.0
9680.80	69	13.0
10118.20	69	12.0
10447.50	69	9.0
10974.50	69	10.0
11407.50	66	8.0
12077.50	66	18.0
12118.10	66	6.0
12566.80	66	7.0
13036.80	66	7.0
13484.80	66	6.0
13537.60	66	13.0
13930.80	66	17.0
14050.80	66	24.0
14496.30	66	20.0

MH Sta.	Pipe Dia.(In.)	April 2017 Grit Depth (in.)
14598.30	60	16.0
14929.30	60	12.0
15247.60	60	2.0
15398.80	60	2.0
15462.50	48	10.0
15494.70	48	0.0
15570.80	48	0.0
15608.70	48	4.0
15550.70	48	0.0
16050.30	48	6.0
16522.70	48	12.0
16699.90	48	10.0
16822.90	48	12.0
16908.90	48	0.0
17098.90	48	12.0
17315.98	48	12.0
17594.90	48	14.0
17855.90	48	14.0
18159.60	48	4.0
18454.40	48	17.0
18733.40	48	7.0
19107.40	48	18.0
19504.40	48	18.0
19859.90	42	0.0
20211.40	42	12.0
20349.30	42	8.0
20826.30	39	0.0
21692.00	39	6.0
22278.90	39	11.0
22494.90	39	11.0
22907.90	39	10.0
23329.90	39	11.0
23362.90	39	12.0
23621.90	39	0.0

Riverfront Interceptor
 Grit Depths (inches)
 Blanks equate to no grit readings taken

			Sept. 2016		Mar. 2009		July 1988		May 1985		Oct. 1983		Nov. 1982		Comments
Station	MH ID	Dia.	Depth	% Grit	Depth	% Grit	Depth	% Grit	Depth	% Grit	Depth	% Grit	Depth	% Grit	
16 + 39.0	P20A001841	84	0	0%	1	1%									
19 + 16.7	P20A002417	84	4	5%							3	4%	14	17%	
27 + 83.0	P17D002312	84	10	11%	10	12%									
30 + 82.0	P17D002274	78	1	1%			0	0%							
32 + 68.2	P17D002250	78	0	0%			7	9%	6	8%			4	5%	
35 + 44.7	P17C002243	78					11	14%	10	13%			6	8%	
38 + 69.7	P17C002215	78					3	4%	6	8%			6	8%	
42 + 83.7	P17C002184	78					11	14%	14	18%	8	10%	18	23%	
46 + 60.2	P17C002153	78	7	8%			15	19%	7	9%			12	15%	
50 + 54.7	P17C002123	78	10	13%			0	0%	3	4%			4	5%	
52 + 19.7	P17C002118	78	3	4%			4	5%	6	8%	4	5%	6	8%	
55 + 14.7	P17C002088	78	11	14%			19	24%	16	21%	15	19%	16	21%	
58 + 44.7	P17C002062	78					18	23%	18	23%	15	19%	14	18%	
61 + 87.7	P17B002018	78	6	8%			18	23%	9	12%	15	19%	12	15%	
68 + 92.3	P17B001953	78	8	11%			17	22%	11	14%	12	15%	12	15%	
72 + 58.3	P16A001910	78					18	23%	12	15%			18	23%	
76 + 15.4	P16A001869	78					20	26%	12	15%	24	31%	18	23%	
80 + 13.4	P16A001798	78							26	33%	24	31%	30	38%	
82 + 28.4	P16A001786	78													
83 + 27.4	P16A001762	69							0	0%			0	0%	
86 + 1.4	P16A001750	69							14	20%					
89 + 26.4	P16A001695	69	12	17%			16	23%					14	20%	
93 + 20.6	P16A000664	69	4	5%			12	17%	12	17%	8	12%	7	10%	
96 + 80.8	P09D000620	69	5	7%					5	7%	8	12%	11	16%	
101 + 18.2	P09D001621	69	6	9%					7	10%	8	12%	11	16%	
104 + 47.5	P09D001610	69							7	10%	12	17%	10	14%	
109 + 74.5	P09D001531	69	8	12%			18	26%					14	20%	
114 + 7.5	P09C001461	66	4	6%			10	15%	7	11%	8	12%	10	15%	
116 + 70.5	P09C001399	66							11	17%	12	18%	13	20%	
118 + 60.5	P09C001343	66					11	17%	10	15%	8	12%	11	17%	

Riverfront Interceptor
 Grit Depths (inches)
 Blanks equate to no grit readings taken

			Sept. 2016		Mar. 2009		July 1988		May 1985		Oct. 1983		Nov. 1982		Comments
Station	MH ID	Dia.	Depth	% Grit	Depth	% Grit	Depth	% Grit	Depth	% Grit	Depth	% Grit	Depth	% Grit	
120 + 77.5	P09C001315	66	4	5%			11	17%	11	17%	10	15%	8	12%	
121 + 18.1	P09C001302	66	6	9%			11	17%	11	17%	10	15%	8	12%	
125 + 66.8	P09C001247	66	6	9%					9	14%	8	12%	6	9%	
130 + 36.8	P09C001185	66	3	5%			11	17%	10	15%	4	6%	7	11%	
134 + 84.8	P09C001119	66	5	7%			2	3%	10	15%	10	15%			
139 + 30.8	P09B001118	66	16	24%			18	27%	15	23%	12	18%	12	18%	
140 + 50.8	P09B000504	66									16	24%	13	20%	
144 + 96.3	P09B001039	66							9	14%	18	27%	11	17%	
145 + 98.3	P09B001029	60	4	7%			21	35%	11	18%			7	12%	
152 + 47.6	P09B000898	60	5	9%			20	33%					8	13%	
153 + 78.0		60					21	35%							
154 + 2.9		48					16	33%	18	38%			8	17%	
154 + 53.1		48					15	31%	12	25%	12	25%	3	6%	
	P09B019209	60	4	6%											
	P09B019208	60													
	P09B019207	60	3	5%											
	P09B019203	48	0	0%											
	P10A019204	48	1	3%											
155 + 50.7	P10A000843	48	0	0%			8	17%	4	8%	7	15%			
160 + 50.3	P10A000750	48											8	17%	
165 + 22.7	P10A000452	48	5	10%			10	21%	9	19%	11	23%	5	10%	
166 + 99.9	P10A000412	48	7	15%			4	8%	6	13%			5	10%	
168 + 22.9	P10A000368	48	8	18%			10	21%	10	21%	8	17%	4	8%	
173 + 15.9	P10A000202	48	10	20%									4	8%	
175 + 94.9	P03D011421	48	7	14%									8	17%	
181 + 59.6	P03D011385	48	8	18%											
184 + 54.4	P03D011361	48	3	6%									8	17%	
187 + 33.4	P03D011339	48	1	3%							12	25%	6	13%	
195 + 4.4	P03D011269	48							3	6%	13	27%	9	19%	
198 + 59.9	P03C011277	42	2	4%											

Riverfront Interceptor
Grit Depths (inches)
Blanks equate to no grit readings taken

			Sept. 2016		Mar. 2009		July 1988		May 1985		Oct. 1983		Nov. 1982		Comments
Station	MH ID	Dia.	Depth	% Grit	Depth	% Grit	Depth	% Grit	Depth	% Grit	Depth	% Grit	Depth	% Grit	
202 + 11.4	P03C011253	42	8	19%			14	33%	11	26%	12	29%	9	21%	
203 + 49.3	P03C011245	42	8	20%			8	19%	13	31%	13	31%	14	33%	
205 + 81.3	P03C011219	42					14	33%	11	26%			5	12%	
208 + 26.3	P03C011195	39	0	0%											
212 + 68.0	P03C011151	39									2	5%	6	15%	
216 + 92.0	P03B011111	39	5	13%			4	10%			6	15%			
222 + 78.9	P03B011070	39	7	18%			0	0%			2	5%	5	13%	
224 + 94.9	P03B011036	39	4	10%							3	8%	7	18%	
233 + 29.9	P03B010964	39	8	22%			14	36%			4	10%	7	18%	
241 + 22.4	P03B010906	30	1	4%			4	13%			2	7%	4	13%	
258 + 85.4	R35D010717	24									1	4%			
287 + 75.4	R35A010474	30					4	13%			2	7%	3	10%	
290 + 73.4	R35A010453	30					2	7%			1	3%	1	3%	
293 + 61.4	R35A010430	30					1	3%					1	3%	