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Nanticoke Creek Flood Hazard Mapping

Final Hydraulic Modelling Report



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EXECUTIVE SUMMARY

The Nanticoke Creek watershed drains an area of 177 km^2 and is located in the jurisdiction of the Long Point Region Conservation Authority (LPRCA). Nanticoke Creek flows from north to south, passing through Norfolk County and Haldimand County before discharging into Lake Erie.

Historical floodplain mapping for Nanticoke creek was originally prepared by M.M. Dillon in 1977. However, the existing mapping no longer aligns with current land use and updated technical guidelines. In response, Wood Environment & Infrastructure Solutions (Wood) undertook the task of creating new floodplain mapping for a portion of Nanticoke Creek in 2020. This effort covered upper Nanticoke Creek in Norfolk County from Thompson Road through Waterford to Waterford Ponds, incorporating the latest technical guidance and modern modeling and mapping resources. Notably, recent advancements in modeling software have enhanced designers' ability to accurately quantify the impacts of modifications to watercourses. To ensure effective planning for future flood events and safeguard the well-being of residents, precise floodplain mapping and hydraulic modeling are required.

Aquafor Beech Limited (Aquafor) was retained by the LPRCA to establish updated regulatory floodplain mapping for Nanticoke Creek from Thompson Road in Waterford (the downstream end of the mapping completed by Wood in 2020) to the outlet of the creek at Lake Erie, through detailed field inventory and hydraulic modelling. The 100-year event has been adopted by the LPRCA to regulate development within the floodplain and to identify risks to properties and roads within the study area. The LPRCA partnered with the Canada/Ontario Flood Hazard Information and Mapping Program (FHIMP) to fund and oversee the development of flood hazard maps for the study area.

A 1-D HEC-RAS hydraulic model (US Army Corps of Engineers HEC-RAS software, version 6.4.1) was developed for approximately 46km of Nanticoke Creek. Preliminary flow inputs were determined based on outputs from the 2024 Matrix and 2020 Baird reports. An updated hydrologic model for the study area was completed in January 2026 by Water's Edge, which was used to update the model flows in the final hydraulic model. A 2018 LiDAR-derived DTM available from the Ontario Land Information GeoHub was used in conjunction with field survey data to define stream and crossing structure geometries and to establish flood lines. Particular care was taken to correct the channel bed elevation and the low-flow profile using bathymetric survey data. An additional analysis was undertaken to assess ice flow and ice jam conditions, including a sensitivity analysis. In total, 46 km of creek, 462 cross-sections and 20 hydraulic structures were modelled. The regulatory floodplain mapping was then developed for the segment of Nanticoke Creek located within the study area.

The approach used for hydraulic modelling and flood line delineation was consistent with the HEC-RAS User's Manual (US Army Corps of Engineers, 2023), the Technical Guide for River & Stream Systems: Flooding Hazard Limit (OMNR, 2002), the Federal Hydrologic and Hydraulic Procedures for Flood Hazard Delineation (NRCan, 2023), the Technical Guidelines for Flood Hazard Mapping (EWRG et al., 2017), the 2023 MNR Technical Bulletin – Flood Hazard: Data Survey and Mapping Specifications, and the 2024 FHIMP Program Guide.

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1 INTRODUCTION

1.1 Study Objective

The purpose of this study is to establish updated regulatory floodplain mapping along Nanticoke Creek, from Thompson Road in Waterford to Lake Erie, through detailed hydraulic modelling. The study was undertaken on behalf of the LPRCA, who received partial funding from the Canada/Ontario Flood Hazard Information and Mapping Program (FHIMP). The 100-year flood profile is used by the LPRCA to regulate development within the floodplain, to protect developed areas through structural land acquisition measures, and to identify properties at risk within the study area. The present report details the methodology and results of the floodplain mapping study.

Aquafor developed a 1-D hydraulic model using the US Army Corps of Engineers HEC-RAS software (Ver. 6.4.1) in the Canadian Geodetic Datum of 2013 (CGVD2013) vertical datum, as opposed to the older CGVD28 vertical datum. The model was developed based on a 2018 LiDAR-derived DTM available form the Ontario Land Information GeoHub, topographic field survey data collected by Aquafor in 2025, and flows from the 2025 Water's Edge Hydrologic Modelling Report and 2026 LPRCA Technical Memorandum on Regional Storm Flood Flows. Simulations were performed for the 25-year, 50-year, 100-year (regulatory), 200-year, 350-year, 500-year, 1000-year and Regional flood events.

Key objectives of this study are as follows:

- Review all available background information provided by the LPRCA;
- Perform a data gap analysis to identify missing hydrologic, GIS data and road crossing information;
- Identify all watercourse crossing structures along the reaches of interest and complete field surveys;
- Develop a georeferenced 1-D hydraulic model using both the HEC-RAS and GeoHECRAS platforms throughout the study area, based upon the LiDAR-derived DTM, which is referenced to the NAD83 (CSRS) UTM Zone 17N horizontal coordinate system and the CGVD2013 vertical datum;
- Incorporate the flood flow estimates from the Nanticoke Creek Hydrologic Modelling – Final Report completed by Water's Edge Environmental Solutions Team in 2025;
- Perform a boundary conditions sensitivity analysis;
- Generate riverine water surface elevations for the 25-year, 50-year, 100-year (Regulatory), 200-year, 350-year, 500-year and 1000-year storms flood events as well as for the Regional flood event;
- Generate riverine flood lines for the 25-year, 100-year (Regulatory), 200-year, 350-year, and Regional flood events;
- Identify flooding extents;
- Identify areas of potential spills;
- Assess hydraulic performance of all structures including peak event conveyance, hydraulic head change, and depth and velocity of flow over any overtopped roadways;
- Identify buildings within the 100-year (Regulatory), 200-year and 350-year flood hazard extents;
- Provide the regulatory floodplain mapping sheets; and
- Provide the digital flood lines for all events.

1.2 Study Area

The Nanticoke Creek watershed drains an area of 177 km^2 and flows from north to south, passing through Norfolk County and Haldimand County before discharging into Lake Erie. As illustrated in **Figure 1-1**, the watershed has an elongated shape and is characterized by a main drainage branch that runs in a southerly direction. The watershed is predominantly rural, comprising forests, cultivated lands, and wetlands. Urbanization is concentrated within the Town of Waterford (located upstream of the study area) and the Town of Townsend (located immediately east of Nanticoke Creek).

The reaches of Nanticoke Creek and its tributaries included in this hydraulic study are shown in the Watercourses to be Mapped layer in **Figure 1-1** and the appended mapping. The hydraulic study area extends from the Nanticoke Creek outlet into Lake Erie, upstream to the decommissioned railway bed, approximately 0.3 km southeast of the Cockshutt Road and Thompson Road E intersection.

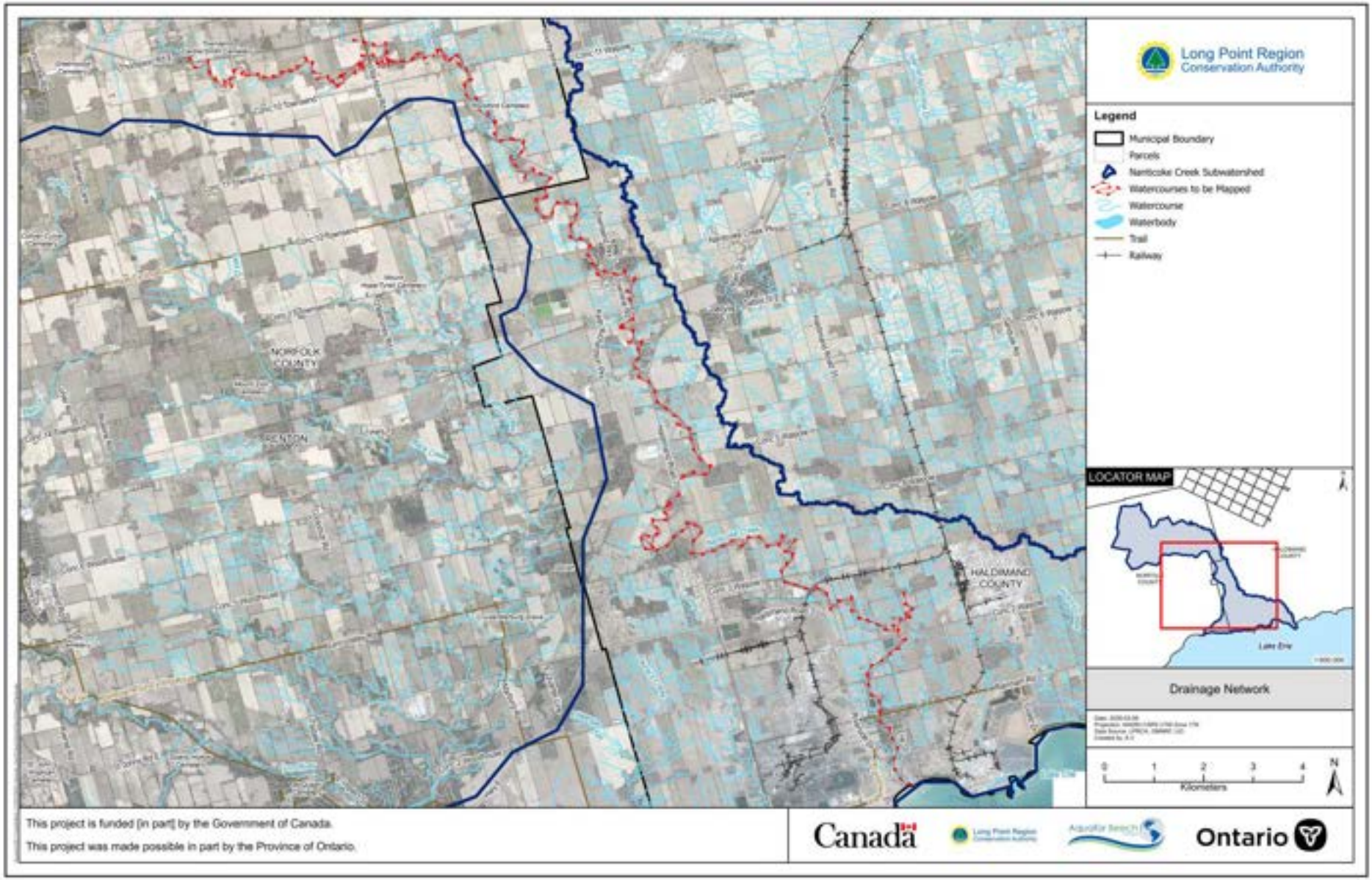


Figure 1-1. Nanticoke Creek Drainage Network and Reaches to be Mapped

2 BACKGROUND REVIEW AND SITE RECONNAISSANCE

2.1 Background Data Review

At the onset of the study, Aquafor collected and compiled all pertinent background information from the LPRCA, including:

- A high-resolution DTM that was derived from 2018 LiDAR data
- Nanticoke Creek Hydrologic Modelling – Final Report (Water's Edge, 2025)
- Nanticoke Creek Flood Hazard Mapping Technical Memorandum on Regional Storm Flood Flows (Water's Edge, 2026)
- The LPRCA Flood Hazard Mapping Update Report and HEC-RAS Models (Wood, 2020)
- LPRCA Riverine Flood Hydrology Study (Matrix Solutions Ltd., 2024)
- Flood Plain Mapping Project – Haldimand-Norfolk (M.M. Dillon Limited, 1977)
- Norfolk County Lake Erie Hazard Mapping and Risk Assessment Technical Report (Baird, 2020)
- Digital scans of relevant 1977 hardcopy maps
- Historical streamflow and water level data from the Water Survey of Canada gauge, Nanticoke Creek
- Bridge drawings and assessments
- Building footprints
- GIS data layers for existing flood lines, watercourse centrelines, structure locations, land use, and flow nodes with associated flow rates.

2.2 Coordinate System and Vertical Datum

As required by FHIMP, the floodplain mapping and associated models must be developed using a specific geospatial reference system. For consistency, all topographic data such as the LiDAR-derived DTM and Aquafor's survey points were referenced to the same horizontal coordinate system and vertical datum as follows:

- Horizontal Datum: North American Datum of 1983 (NAD83), Canadian Spatial Reference System (CSRS)
- Projection: Universal Transverse Mercator, Zone 17 North (UTM Zone 17N)
- Vertical Datum: Canadian Geodetic Vertical Datum of 2013 (CGVD2013)
- A a shift of -0.456 m was applied to convert elevations from the IGLD1985 vertical datum to CGVD2013.

2.3 LiDAR-Derived DTM

A DTM having a 0.5m resolution produced was available for the entire study area. The DTM was produced by Ontario Land Information GeoHub based on LiDAR data collected in 2018 and was used as the primary elevation data source for defining the geometries of hydraulic model components and delineating flood extents. It is referenced to the NAD83 (CSRS) UTM Zone 17N horizontal coordinate system and the CGVD2013 vertical datum.

2.4 Structure Inventory and Survey

In August 2025, Aquafor conducted a detailed topographic survey of 21 significant channel crossing structures. The survey included structure type and material, location and size of openings and headwalls/wingwalls, heights, depth of embedment, invert and soffit elevations, etc. A structure tracking sheet and summaries of field inventories at each crossing structure was created, and they are compiled in **Appendix A**. **Figure 2-1** illustrates the general location of each hydraulic structure incorporated into the model.

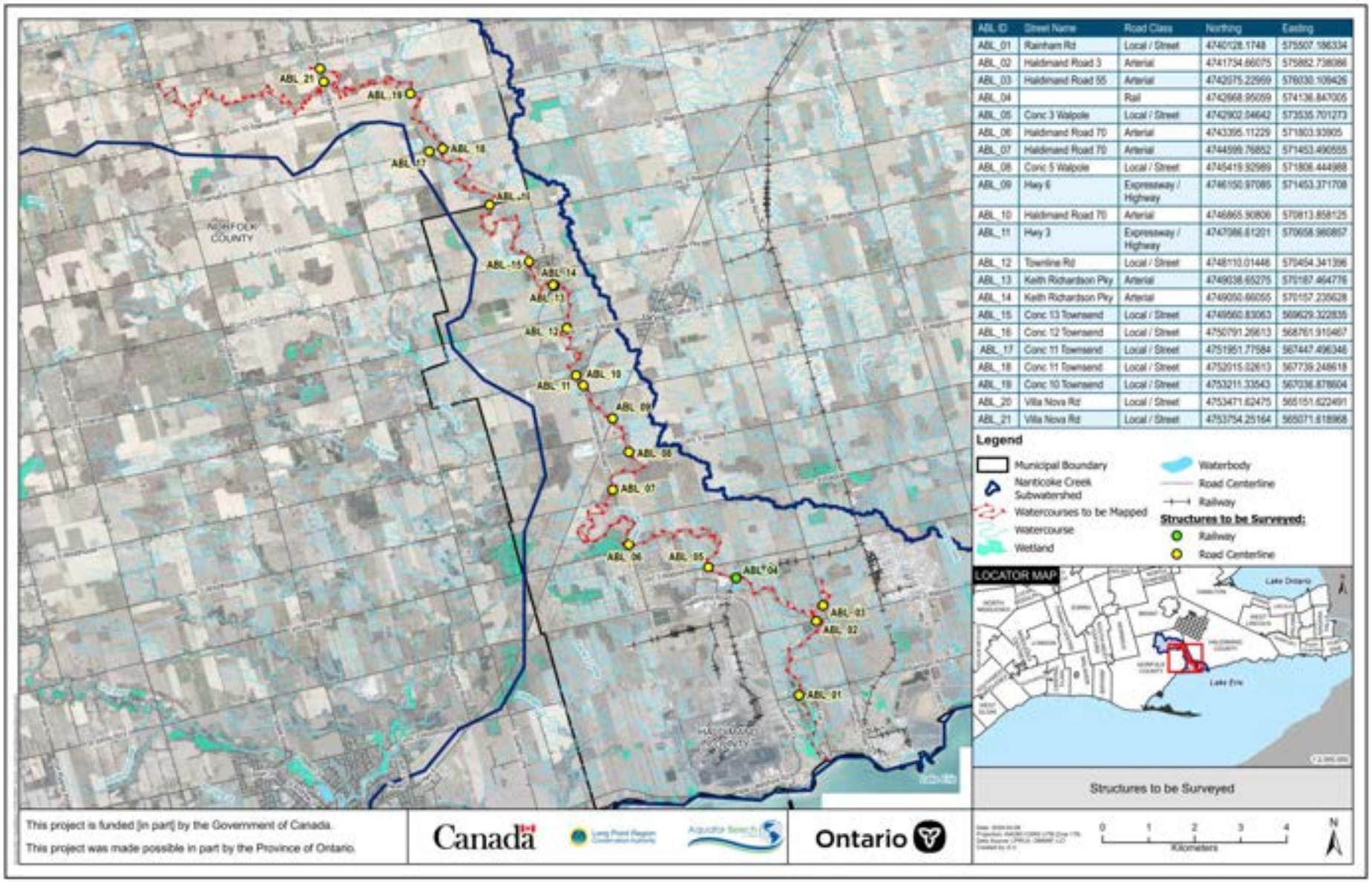


Figure 2-1. Location of the Watercourse Crossing Structures

2.5 Cross-Section Survey

In order to capture low-flow channel characteristics, Aquafor undertook a detailed topographic survey of river cross-sections at different locations to complete the hydraulic modelling geometry. Cross-sections were surveyed throughout the study area, comprised of 4 cross-sections at each crossing structures (2 upstream and 2 downstream). The topographic elevation survey of the river cross-sections identified the locations and elevations of the thalweg, streambed bathymetry, bottom and top of bank, and overbank topography within the floodplain.

3 HYDRAULIC MODEL DEVELOPMENT

3.1 Model Software and Platform

The Nanticoke Creek 1-D hydraulic model was built using a combination of the HEC-RAS software (ver. 6.4.1) and the GeoHECRAS platform, which integrates HEC-RAS modelling directly with various GIS tools and data sources (AutoCAD drawings, elevation rasters, CSV files, ESRI shapefiles, etc.). Floodplain mapping was also generated using GeoHECRAS from HEC-RAS results and the LiDAR-derived DTM.

3.2 Channel Network and Cross-Sections

A base model was generated in GeoHECRAS using the 2018 LiDAR-derived DTM and other GIS data. A total of 46 km of Nanticoke Creek was included in the hydraulic model as five reaches, consisting of three reaches making up the main channel and two reaches for tributaries of Nanticoke Creek. The main creek and tributary centrelines were defined using a shapefile provided by the LPRCA, with refinements made to the centreline using the DTM.

The DTM was also used to define channel cross-sections reflecting the channel and floodplain geometry (462 cross-sections in total). At select locations where more detailed survey information was obtained through the field investigation, cross-sections were refined with the detailed topographic survey data for better representation of the stream bathymetry so as to incorporate the channel bed geometry, top of bank, and bottom of bank.

Cross-sections were spaced to account for changes in channel geometry, meanders, bridge structures, and to account for the narrowest sections of the creek. Additionally, cross-sections were placed close enough to ensure accurate computation of the energy losses. As per standard modeling procedures, cross-sections were extended across the entire floodplain and oriented perpendicular to the contours and anticipated flow lines.

3.3 Low-Flow Channel

The low-flow channels of modelled cross-sections located near surveyed cross-sections were corrected by using the topographic / bathymetric survey data directly. Surveyed cross-sections accounted for all low-flow channel characteristics such as channel bed elevation, water’s edge, bottom and top of bank, and slopes. Detailed reach investigations of the low flow channel were not conducted along the entirety of the creek due to the scale of the study area and because of site access and safety conditions.

3.4 Hydraulic Structures

Hydraulic structures included in this study consisted of bridges and culverts. Four cross-sections (i.e., 2 upstream and 2 downstream of each structure) were coded at each crossing structure to define streambed and floodplain geometry in close proximity to the structure, as well as to account for expansion and contraction of flow at these structures.

The spacing of these cross-sections was consistent with the HEC-RAS reference manual (US Army Corps of Engineers, 2022), estimated using the recommended flow expansion and contraction ratios. In general, the locations for the upstream cross-sections were selected by assuming a typical flow contraction ratio of 1:1, while the downstream cross-section locations were selected based on expansion ratios that were typically in the range of 2:1 (**Figure 3-1**).

Structure parameters were then coded as per the approach shown in **Figure 3-1**, including the structure material, opening dimensions, invert elevations, skew angles, depth of embedment, etc. Road profiles were mostly defined using LiDAR-derived DTM and cross-referenced with background information. In addition, the height of railing was added to the road profile for certain bridges, where the railing or fencing was anticipated to act as a blockage under high flows. In this case, 100% blockage was coded in the model to be conservative.

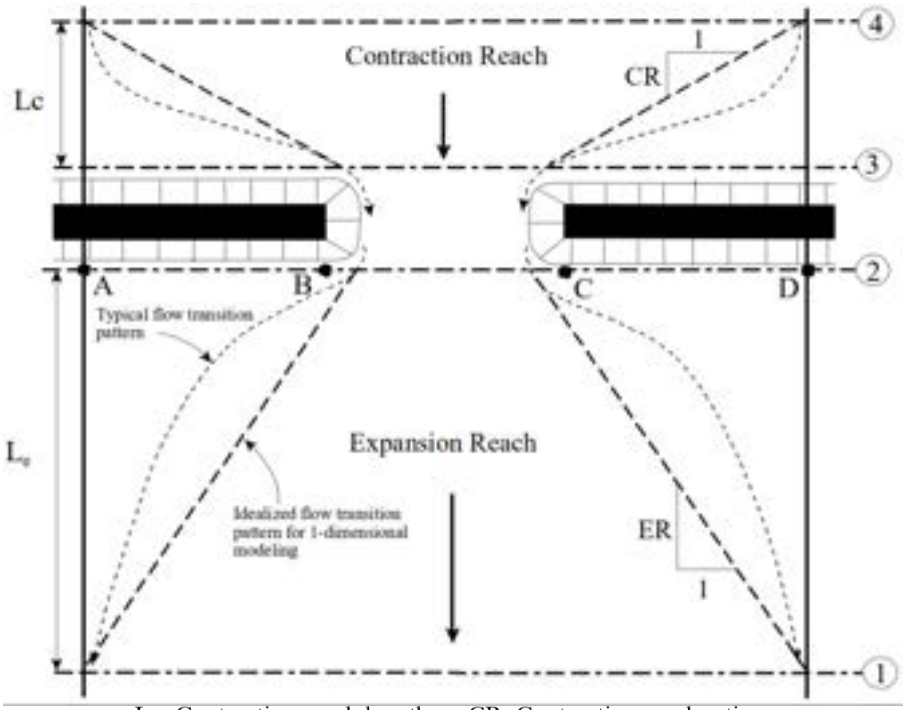


Figure 3-1. Cross-Section Locations at Crossing Structures (US Army Corps of Engineers, 2022)

It is important to note that for computing bridge hydraulics under high flow conditions, the pressure and weir flow calculations were chosen when bridges were under pressure for the Regulatory storm. If the coded bridge was partially under pressure (only the upstream water surface reached the soffit), the applied discharge

coefficient was 0.5. When the bridge was fully submerged (both the upstream and downstream faces of the bridge were submerged), the applied discharge coefficient was 0.8.

3.5 Ineffective Flow Areas and Levees

The ineffective flow area option was applied in the model to restrict the flow area to the width of the structure opening until the structure was overtopped and weir flow began over the road structure. Ineffective flow areas were coded in accordance with the HEC-RAS Hydraulic Reference Manual (USACE, 2016) where stations were placed on either side of the structure based on the distance between the bounding cross-sections and structure faces, with a 1:1 contraction ratio upstream and a 2:1 expansion ratio downstream. The ineffective flow elevations upstream were set to the lowest point of the top-of-road (minimum weir elevation), while downstream elevations were set to the average of the soffit and minimum road surface elevations. Refinements were made after the initial run where surface water elevations were confined by the ineffective flow areas.

Levees have been added to the model at some roads and other topographic high points in order to ensure that the estimated water surface elevation remains confined within the channel corridor until the flood flow reaches the levee elevation and enters the floodplain depressions.

3.6 Manning's Roughness Coefficients

Manning's roughness coefficients were assigned to each cross-section based on the land use layer provided by the LPRCA for the study. Nanticoke Creek flows through a mix of land uses within the study area, consisting of mostly natural coverage (i.e., forest and cultivated crop land). Manning's roughness values were defined as shown in **Table 3-1**, based on the recommendations provided in the Technical Guidelines for Flood Hazard Mapping (EWRG et al., 2017), the MTO Drainage Management Manual (Design Chart 2.01, 1997), and the HEC-RAS reference Manual (US Army Corps of Engineers., 2016). A sensitivity analysis of roughness coefficients has been completed as part of this study, but values have not been calibrated to flow events. A map illustrating the land uses within the watershed, and the associated Manning's roughness coefficients, is shown in **Figure 3-2**.

Table 3-1. Manning's Roughness Values Used in the HEC-RAS Model

Classification	Manning's n Coefficient
Cultivated Crop Lands	0.07
Bare Soil Areas	0.045
Grasslands/Shrubs	0.055
Conifer Treed Forest	0.07
Deciduous Treed Forest	0.07
Mixed Treed Forest	0.07
Sparse Treed	0.08
Wetlands	0.08
Open Water Areas	0.03
Barren Areas	0.05
Commercial/Industrial	0.025
Residential	0.05
Settlement Open Areas	0.05
Roads	0.025

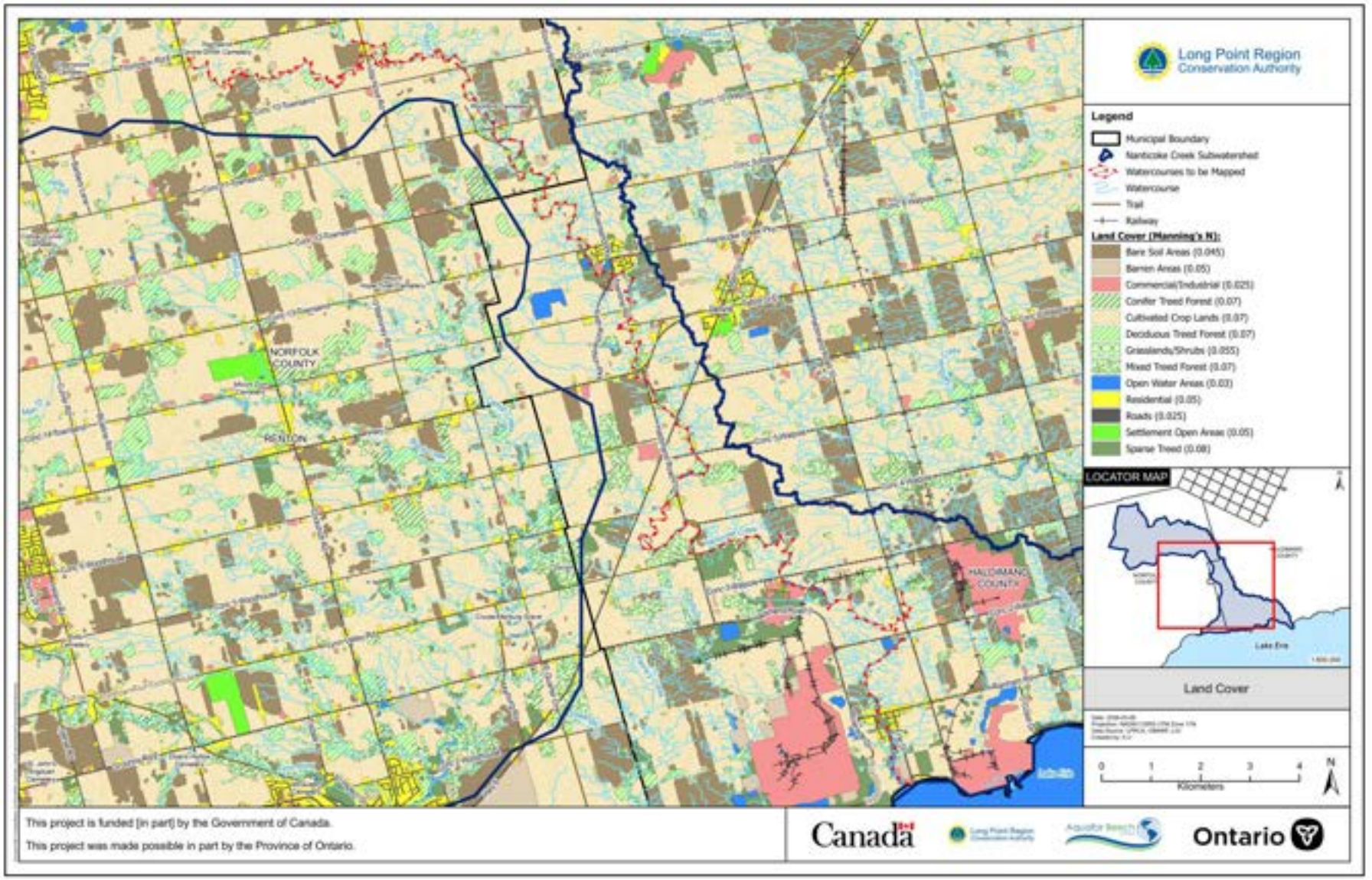


Figure 3-2. Land Cover and Manning's n Coefficients within the Nanticoke Creek Watershed

3.7 Contraction and Expansion Coefficients

Contraction and expansion coefficients were coded in the model to evaluate transition loss due to changes of flow between cross-sections. These coefficients were applied differently between regular cross-sections and structure cross-sections based on recommended values, which are summarized in **Table 3-2**. Contraction and expansion coefficients were applied to two cross-sections upstream and one cross-section downstream of each bridge structure.

Table 3-2. Contraction and Expansion Loss Coefficients used in the HEC-RAS Model

	Contraction Coefficient	Expansion Coefficient
Regular Cross-sections	0.1	0.3
Structure Cross-sections	0.3	0.5

3.8 Conveyance Obstructions (Buildings)

Buildings located within the study area were modeled as conveyance obstructions when defining areas of the cross-section that are permanently blocked out. Building footprint data was provided by LPRCA as a shapefile representing buildings as polygons, and a building height equal to the maximum elevation in the cross-section was automatically assigned for each identified building.

3.9 Boundary Conditions

When determining the boundary conditions to be used in the Nanticoke Creek flood hazard mapping, several data sources were considered. The HEC-RAS model was run in a sub-critical flow regime, and therefore only downstream boundary condition inputs were required.

Monthly all time and peak mean water level data for the outlet into Lake Erie was compiled using Fisheries and Oceans Canada's Historical Monthly Mean Water Levels webpage. The All-Time Mean Water Level Data from the DFO's site for 2018-2024 is summarized in **Table 3-3**. The all-time mean water level was found to be 173.72 m (green highlight), and the maximum all-time average monthly mean was 173.91 m (blue highlight) in the month of June. All water levels have been converted to the CGVD2013 vertical datum.

Table 3-3. Lake Erie All-Time Mean Water Levels by Month (2018-2024)

Water Level (m CGVD2013)			
Month	**Average**	**Minimum**	**Maximum**
January	173.57	172.75	174.40
February	173.57	172.72	174.44
March	173.65	172.74	174.49
April	173.80	172.92	174.59
May	173.88	172.98	174.62
June	173.91	172.99	174.68
July	173.90	172.99	174.67
August	173.83	172.97	174.56
September	173.74	172.92	174.41
October	173.64	172.84	174.48
November	173.57	172.74	174.39
December	173.56	172.73	174.43
Average	**173.72**	**172.87**	**174.44**
Minimum	**173.46**	**172.72**	**174.22**
Maximum	**173.91**	**172.99**	**174.68**

Data Source: https://www.tides.gc.ca/en/historical-monthly-mean-water-levels-coordinated-network-lake-erie

Return period-based stillwater lake levels, defined as the static water level plus storm surge, were derived by the MNR in 1989, and provided in Baird's 2020 Norfolk County Lake Erie Hazard Mapping and Risk Assessment report. While Baird updated the stillwater water levels for the Port Dover (12710) station location to incorporate data recorded after 1989, the LPRCA elected to continue using the MNR values to define flood hazards along the Erie shore. Aqaufor has therefore considered the 1989 MNR values shown in Baird's report to continue to govern. The static and stillwater Port Dover water levels are summarized in **Table 3-4** by return period.

Table 3-4. Port Dover Return Period Water Levels (MNR, 1989)

Water Level	Return Period Water Level (m CGVD2013)						
	2-year	**5-year**	**10-year**	**25-year**	**50-year**	**100-year**	**200-year**
Static	173.89	174.13	174.26	174.38	174.47	174.54	174.60
Stillwater	175.04	175.33	175.48	175.64	175.74	175.84	175.92

Excerpt from 2020 Norfolk County Lake Erie Hazard Mapping and Risk Assessment by Baird, 2020

3.9.1 *Flood Hazard Boundary Conditions*

Per the River & Stream Systems: Flooding Hazard Limit MNR guidelines, for rivers flowing into larger water bodies governed by separate and independent flood events, the flood standard should be the higher of:

i) The mean annual flood level in the river and the flood hazard limit in the connecting water body; and,

ii) The flood hazard event (100-year) in the river outletting to the mean monthly level in the connecting lake.

Aquafor has used this methodology to determine the appropriate downstream boundary condition and regulatory flood hazard limit at the Nanticoke Creek outlet into Lake Erie. This logic has also been used to determine the flood hazard limits and boundary conditions for the larger flood events. Two scenarios were therefore input into the HEC-RAS hydraulic model:

1. **Scenario A (Nanticoke_V1 – AEP Stillwater TWC + 2-yr Q)**: The 2-year flow event in Nanticoke Creek outletting to the event-based Lake Erie stillwater elevations (175.84 m (CGVD2013) for Regulatory Event);
2. **Scenario B (Nanticoke_V1 – Max Mean Month TWC + AEP Q):** The event-based peak flows in Nanticoke Creek outletting to the constant tailwater elevation equal to the maximum all-time average monthly mean of 173.91 m (CGVD2013).

The smallest return-period event provided in the Water's Edge hydrologic report is the 2-year flow event, and that data was applied as a proxy for the mean annual flood event in Nanticoke Creek. At HEC-HMS Junction J_10 – Outlet, the 2-year peak flow is 16.1 m^3/s. Importantly, Baird's 2020 Norfolk County Lake Erie Hazard Mapping and Risk Assessment report defined the Lake Erie flood hazard as the 100-year stillwater flood level (static water level plus storm surge). As shown in **Table 3-4** at the Port Dover station, the MNR determined the 100-year stillwater elevation in Lake Erie to be 176.3 m (IGLD85), or 175.84 m (CGVD2013). The event-based stillwater elevations applied as the downstream boundary conditions in Scenario A are provided in **Table 3-5**.

Table 3-5. Nanticoke Creek Scenario A Downstream Boundary Conditions

Flood Event	Boundary Condition	Source	Elevation (m) CGVD2013
25-year	Known WSE	25-year Stillwater Water Level	175.64
50-year	Known WSE	50-year Stillwater Water Level	175.74
100-year	Known WSE	100-year Stillwater Water Level	175.84
200-year	Known WSE	200-year Stillwater Water Level	175.92
350-year	Known WSE	200-year Stillwater Water Level	175.92
500-year	Known WSE	200-year Stillwater Water Level	175.92
1000-year	Known WSE	200-year Stillwater Water Level	175.92
Regional	Known WSE	200-year Stillwater Water Level	175.92

For the mean monthly Lake Erie water level applied in Scenario B, Aquafor has applied the long-term monthly mean water level from the month with the highest long term water levels. According to the Fisheries and Oceans Canada Historical Monthly Mean Water Levels data, as of June 2026, the highest average monthly mean water level occurs in June at an elevation of 174.37 m (IGLD85), or 173.91 m (CGVD2013).

A comparison of the two boundary condition scenarios in the 100-year (regulatory) event is provided in **Table 3-6**, and a profile view comparison is shown in **Figure 3-3**. The results show that the scenario modelling the 2-year peak flow in Nanticoke Creek outletting to the 100-year stillwater Lake Erie elevation (Scenario A) produces higher water surface elevations at the Nanticoke Creek outlet until approximately 1.7 km upstream until the crossover point at Cross Section 2576 for all flood events. It is noted that the crossover point occurs downstream of the Rainham Road crossing.

Table 3-6. 100-year (Regulatory) Event Flood Hazard Boundary Condition Scenario Comparison

HEC-RAS XS	Water Surface Elevation (m) (CGVD2013)		WSE Difference A - B (m)	Governing Flood Hazard Scenario
	Scenario A	Scenario B		
2814	177.04	**178.39**	-1.35	**B**
2811	177.02	**178.35**	-1.33	**B**
2791	Rainham Road Culvert			**B**
2776	177	**177.73**	-0.73	**B**
2769	176.87	**177.72**	-0.85	**B**
2694	176.92	**177.84**	-0.92	**B**
2693	176.76	**177.35**	-0.59	**B**
2577	176.13	**176.69**	-0.56	**B**
2576	175.85	**175.94**	-0.09	**B**
2485	**175.85**	175.52	0.33	**A**
2386	**175.85**	175.41	0.44	**A**
2313	**175.85**	175.39	0.46	**A**
2229	**175.85**	175.38	0.47	**A**
2228	**175.85**	175.38	0.47	**A**
2053	**175.85**	175.36	0.49	**A**
2052	**175.85**	175.35	0.5	**A**
1990	**175.85**	175.34	0.51	**A**
1891	**175.85**	175.31	0.54	**A**
1792	**175.85**	175.28	0.57	**A**
1693	**175.85**	175.27	0.58	**A**
1610	**175.85**	175.25	0.6	**A**
1513	**175.85**	175.24	0.61	**A**
1397	**175.85**	175.23	0.62	**A**
1396	**175.85**	175.21	0.64	**A**
1297	**175.85**	175.19	0.66	**A**
1175	**175.84**	175.03	0.81	**A**
1043	**175.84**	174.44	1.4	**A**

Similar scenario comparisons were completed for the 200-year, 350-year, 500-year, 1000-year and Regional flood events. For these larger return period events beyond the 100-year regulatory flood, the 200-year stillwater elevation has been applied as the tailwater condition in Scenario A. The results of each event comparison found that Scenario A governs at the Nanticoke Creek outlet. For all larger events except the Regional event, the location where Scenario B water surface elevations exceeded Scenario A water surface elevations remained at Cross Section 2576. Under the Regional event, Scenario B produced higher water surface elevations much closer to the creek outlet, at Cross Section 1297. Results of the tailwater analysis are provided in **Appendix C.**

The use of the stillwater water surface elevations as the downstream boundary condition is considered to be a somewhat conservative method. However, Aquafor believes that the application of the Lake Erie flood hazard criteria defined by Baird's 2020 report, combined with the lower creek flows until the event-based flows produce higher water surface elevations is an appropriate approach.

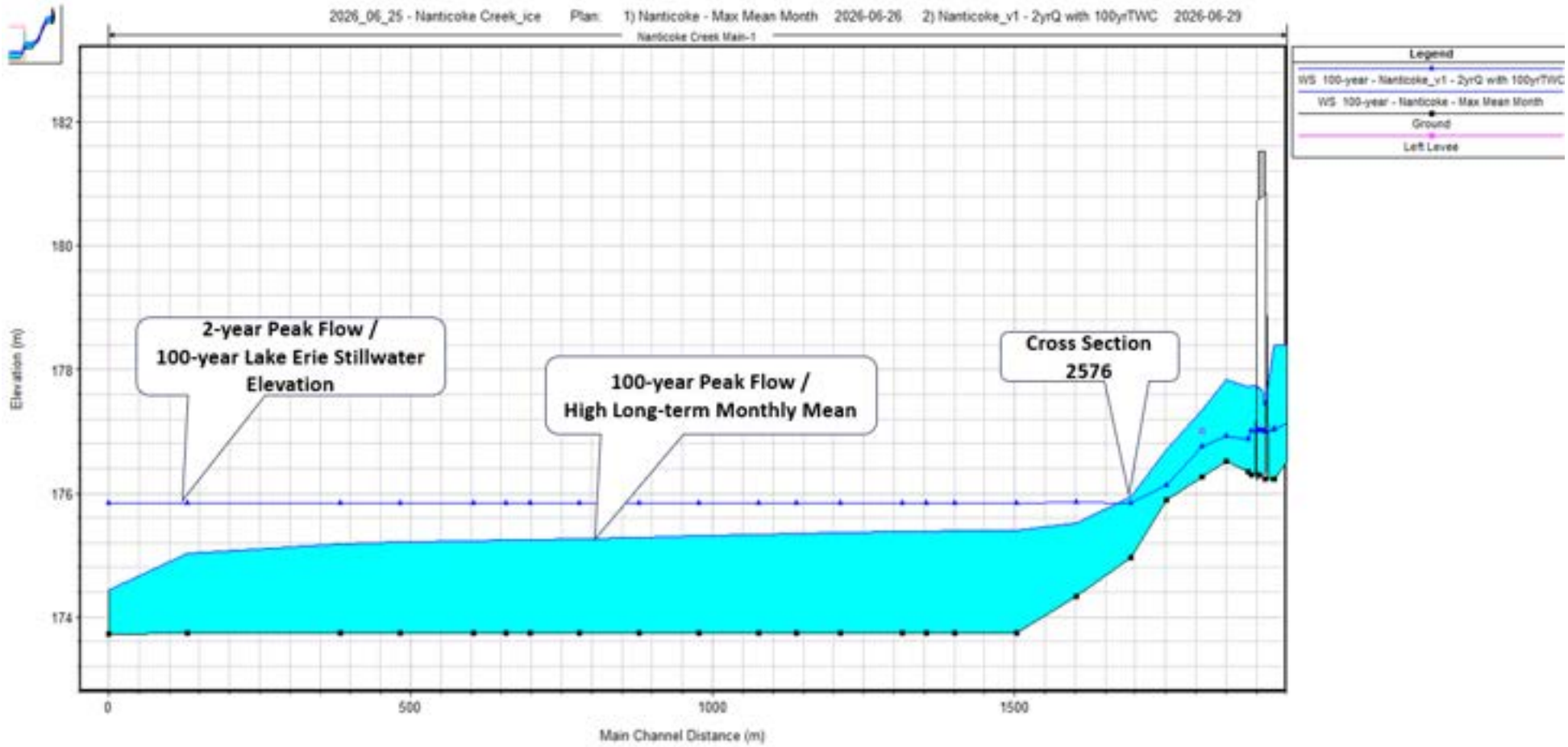


Figure 3-3 100-Year Event Profile Comparison from Boundary Condition Scenarios

3.10 Steady-State Flow Rates

Flow rates for the 25-year, 50-year, 100-year (Regulatory), 200-year, 350-year, 500-year and 1000-year floods were provided by the LPRCA for 12 locations within the study area, based on results from the LPRCA Nanticoke Creek Hydrologic Modelling Report completed by Water's Edge Environmental Solutions Team in 2025. Flow rates for the Regional Storm flood were provided in the subsequent Addendum to the Water's Edge report by LPRCA in January 2026. The locations of all HEC-RAS flow nodes are provided in **Figure 3-3**, and the associated flow rates input for Scenario A are presented in **Table 3-7** and Scenario B in **Table 3-8**. The flows shown in **Table 3-7** reflect the application of the 2-year peak flow rate of 16.1 m^3/s at the Nanticoke Creek outlet. The Scneario B peak flows in **Table 3-8** are unchanged from the Water's Edge results.

Table 3-7. Water's Edge HEC-HMS Peak Flow Data for Scenario A HEC-RAS Model Input

HECHMS Junction	HEC-RAS Reach	HEC-RAS XS #	25yr	50yr	100yr	200yr	350yr	500yr	1000yr	Regional
J_1	Main-3	8113	18.50	24.00	29.80	36.10	41.40	45.00	52.1	147.90
J_2	Main-3	6705	27.30	34.90	42.90	51.50	58.80	63.50	73.2	189.30
J_3	Main-2	29288	36.10	45.60	55.50	66.00	74.90	80.80	92.4	209.10
J_4	Main-2	25403	40.80	51.10	62.00	73.40	83.10	89.40	101.9	222.50
J_5	Main-2	18299	45.00	56.10	67.70	79.90	90.10	96.80	110.2	222.80
J_6	Main-2	14025	47.50	59.00	71.00	83.60	94.20	101.20	115.0	218.50
J_7	Main-2	7204	49.50	61.40	73.70	86.70	97.60	104.70	118.9	223.80
J_8	Main-2	3118	52.50	64.80	77.60	91.10	102.30	109.70	124.3	223.90
J_9	Main-1	5096	54.00	66.50	79.60	93.30	104.80	112.20	127.1	227.40
J_10	Main-1	2776	*16.10**	*16.10**	*16.10**	*16.10**	*16.10**	*16.10**	*16.10**	*16.10**
NC_9	Trib-1	1945	4.60	5.40	6.10	6.90	7.50	7.90	8.70	17.60
NC_2	Trib-2	2010	7.0	8.80	10.70	12.70	14.40	15.50	17.7	47.70

** Peak flow represents the 2-year HEC-HMS peak flow at Junction J_10*

Table 3-8. Water's Edge HEC-HMS Peak Flow Data for Scenario B HEC-RAS Model Input

HECHMS Junction	HEC-RAS Reach	HEC-RAS XS #	25yr	50yr	100yr	200yr	350yr	500yr	1000yr	Regional
J_1	Main-3	8113	18.50	24.00	29.80	36.10	41.40	45.00	52.1	147.90
J_2	Main-3	6705	27.30	34.90	42.90	51.50	58.80	63.50	73.2	189.30
J_3	Main-2	29288	36.10	45.60	55.50	66.00	74.90	80.80	92.4	209.10
J_4	Main-2	25403	40.80	51.10	62.00	73.40	83.10	89.40	101.9	222.50
J_5	Main-2	18299	45.00	56.10	67.70	79.90	90.10	96.80	110.2	222.80
J_6	Main-2	14025	47.50	59.00	71.00	83.60	94.20	101.20	115.0	218.50
J_7	Main-2	7204	49.50	61.40	73.70	86.70	97.60	104.70	118.9	223.80
J_8	Main-2	3118	52.50	64.80	77.60	91.10	102.30	109.70	124.3	223.90
J_9	Main-1	5096	54.00	66.50	79.60	93.30	104.80	112.20	127.1	227.40
J_10	Main-1	2776	55.60	68.40	81.70	95.60	107.20	114.80	129.9	224.00
NC_9	Trib-1	1945	4.60	5.40	6.10	6.90	7.50	7.90	8.70	17.60
NC_2	Trib-2	2010	7.0	8.80	10.70	12.70	14.40	15.50	17.7	47.70

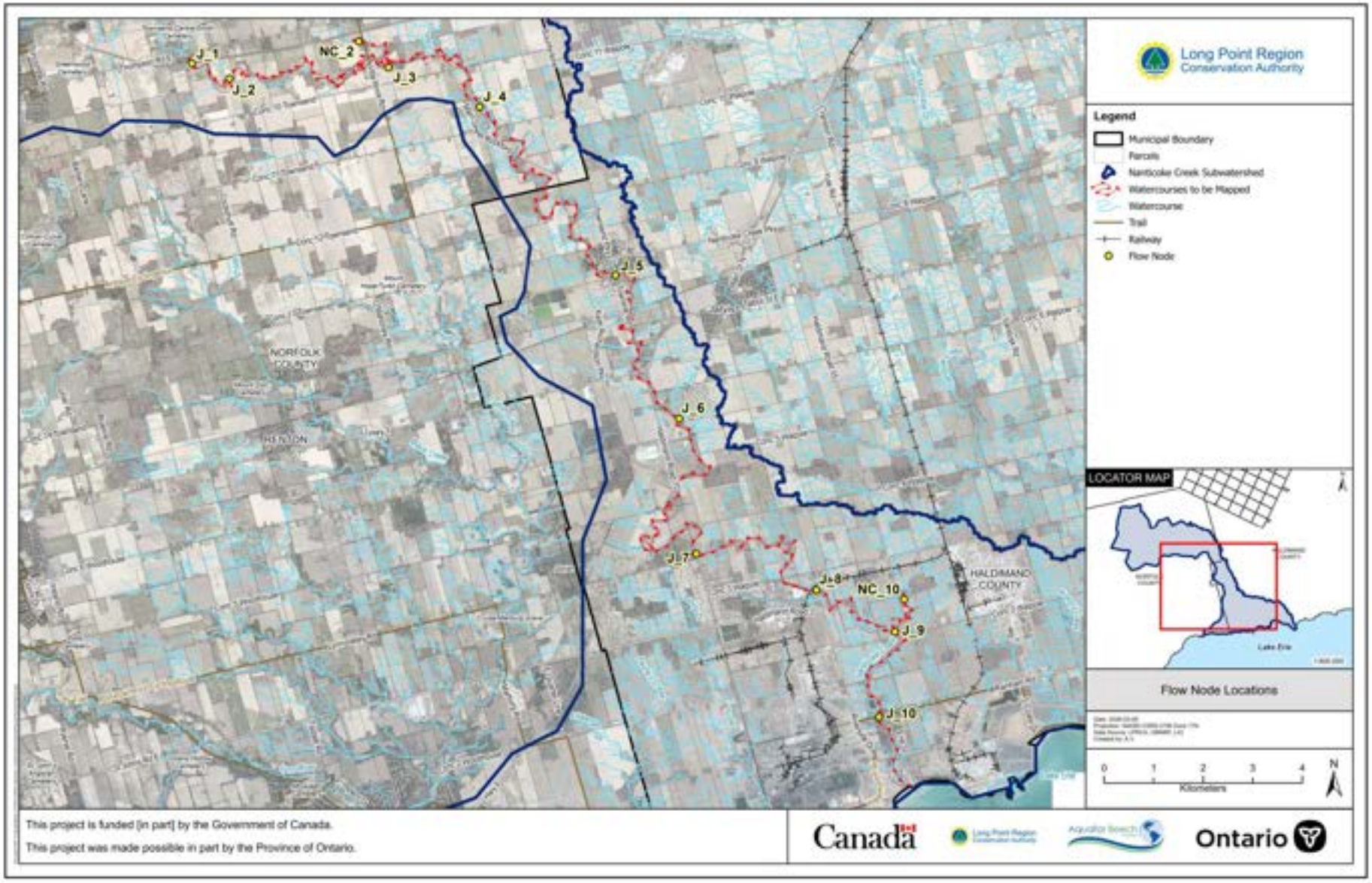


Figure 3-4. HEC-RAS Model Setup and Flow Node Locations

4 MODEL RESULTS AND FLOODPLAIN MAPPING

4.1 High Flow Analysis Results and Flood Lines

The HEC-RAS modelling plans Scenario A and Scenario B were executed under a subcritical flow regime to generate water surface profiles for each of the 25, 50, 100, 200, 350, 500 and 1000-year flood events and Regional flood event, with a focus on the 100-year flood, which is considered to be the Regulatory event for this watershed. Model results for all reaches and scenarios are presented in **Appendix B**.

The higher water surface elevation at each cross section between the two scenarios was used to define the flood elevation for each mapped event. Based on the discussion above, Scenario B water surface elevations were used for the majority of the model except for the downstream portion of Reach Main-1, where Scenario A governs based on the stillwater tailwater elevation applied as the tailwater condition. A summary of the flood hazard mapping conditions is provided in **Table 4-1**, and the effective peak flow rates at each location in the model for the flood hazard mapping are shown in **Table 4-2**.

Table 4-1. Nanticoke Flood Hazard Mapping Characteristics

Mapped Flood Event	Downstream Boundary Condition	Boundary Condition Elevation (m) CGVD2013	Location of Scenario B WSE Exceedance over Scenario A	
			Reach	Cross Section
25-year	25-year Stillwater	175.64	Main-1	2576
100-year	100-year Stillwater	175.84		
200-year	200-year Stillwater	175.92		
350-year	200-year Stillwater	175.92		
Regional	200-year Stillwater	175.92		1297

Table 4-2. Effective Peak Flow Rates for Flood Hazard Mapping

HEC-HMS Junction	HEC-RAS Reach	HEC-RAS XS #	25yr	100yr	200yr	350yr	Regional
J_1	Main-3	8113	18.50	29.80	36.10	41.40	147.90
J_2	Main-3	6705	27.30	42.90	51.50	58.80	189.30
J_3	Main-2	29288	36.10	55.50	66.00	74.90	209.10
J_4	Main-2	25403	40.80	62.00	73.40	83.10	222.50
J_5	Main-2	18299	45.00	67.70	79.90	90.10	222.80
J_6	Main-2	14025	47.50	71.00	83.60	94.20	218.50
J_7	Main-2	7204	49.50	73.70	86.70	97.60	223.80
J_8	Main-2	3118	52.50	77.60	91.10	102.30	223.90
J_9	Main-1	5096	54.00	79.60	93.30	104.80	227.40
J_10	Main-1	2776	55.60	81.70	95.60	107.20	224.00
	Main-1	2576	*16.10**	*16.10**	*16.10**	*16.10**	224.00
	Main-1	1297	*16.10**	*16.10**	*16.10**	*16.10**	*16.10**
NC_9	Trib-1	1945	4.60	6.10	6.90	7.50	17.60
NC_2	Trib-2	2010	7.0	10.70	12.70	14.40	47.70

** Peak flow represents the 2-year HEC-HMS peak flow at Junction J_10*

Regulatory flood lines were generated using the determined water surface elevation outputs from the HEC-RAS model scenario comparison as-described above under the 100-year event and current land use. The flood lines were mapped based on the highest water surface elevation between Scenarios A and B, and the intersection between the predicted water surface elevation and the LiDAR-derived DTM, as well as engineering judgement. Regulatory floodplain mapping for the 100-year (Regulatory) storm is included in **Appendix D**. **Figure 4-1** provides an overview of the regulatory floodplain mapping, showing the locations of the 15 map sheets. The following are notable components of the flood hazard mapping exercise:

- The hydraulic model was built using a combination of topographic data (DTM and field survey), both referenced to the CGVD2013 vertical datum.
- The hydraulic model was run under subcritical flow for all storm events (25-year, 50-year, 100-year (regulatory), 200-year, 350-year, 500-year, 1000-year and Regional).
- Floodlines were generated for the 25-year, 100-year (regulatory), 200-year, 350-year and Regional flood events;
- The event-based Lake Erie stillwater water levels were applied as the downstream boundary conditions following an extensive analysis of governing flood hazards along the Lake Erie shoreline.
- Smoothing of flood lines and full manual inspection of the flood lines for all storms was performed.
- Where the automatically-generated flood extents were cut off, the flood boundary was filled-in by extending it to an appropriate contour elevation.
- Islands were manually filled and isolated areas of flooding were removed, as deemed appropriate.

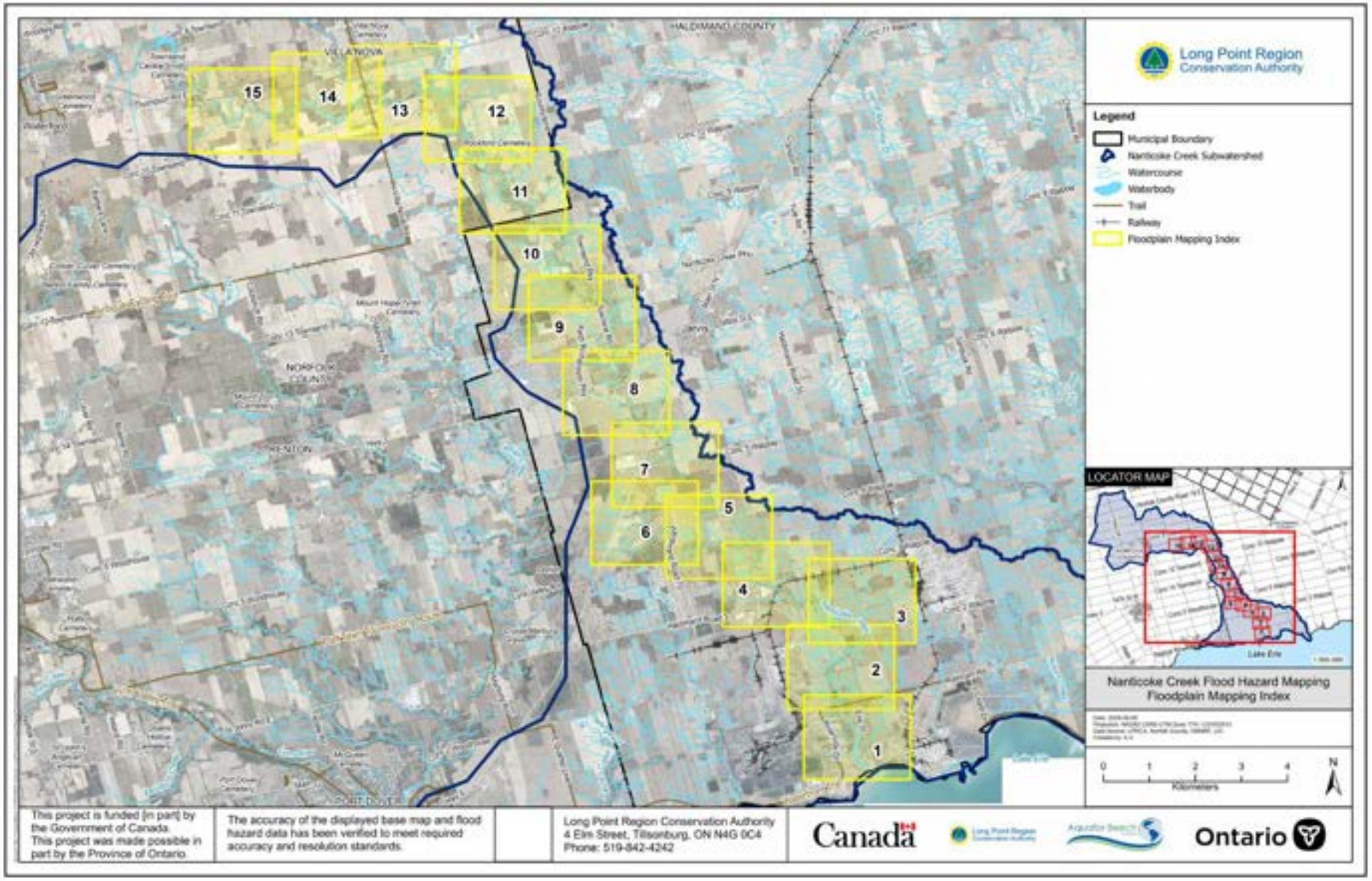


Figure 4-1. Overview of the Nanticoke Creek Regulatory Floodplain Mapping

4.2 Flooded Building Assessment

The impact of the flood lines on private and public facilities was analyzed using the building feature layers provided by the LPRCA for Norfolk and Haldimand Counties. In total, 13 buildings within the study area were identified as being within the Regulatory floodline, as they are either fully or partially located within the flood extents under the 100-year event. An additional 16 buildings were found to be within the extents of a larger flood event, with 10 of those only encroached upon by the Regional event. It is noted that 2 of the total 29 buildings (ID 6 and 22) did not appear on aerial photography and may have been removed. A summary of the flooded building assessment is provided in **Table 4-1** , and the buildings are identified in **Figure 4-2** and on the Climate Change Comparison mapping in **Appendix E**.

Table 4-3 Building Flood Encroachment

ID	County	Building Type	Min. Flood Event of Footprint Encroachment	Site Grade at Encroachment (m)
1	**Haldimand**	**Industrial/Commercial**	**100-Year**	**175.50**
2	**Haldimand**	**Industrial/Commercial**	**100-Year**	**175.64**
3	**Haldimand**	**Industrial/Commercial**	**100-Year**	**175.11**
4	**Haldimand**	**Industrial/Commercial**	**100-Year**	**174.79**
5	**Haldimand**	**Industrial/Commercial**	**100-Year**	**175.06**
6	**Haldimand**	***Not in aerial***	**100-Year**	**174.73**
7	**Haldimand**	**Industrial/Commercial**	**100-Year**	**174.70**
8	**Haldimand**	**Industrial/Commercial**	**100-Year**	**175.14**
9	**Haldimand**	**Industrial/Commercial**	**100-Year**	**175.63**
10	**Haldimand**	**Industrial/Commercial**	**100-Year**	**175.82**
11	Haldimand	Accessory building	200-Year	175.89
12	**Haldimand**	**Accessory building**	**100-Year**	**176.61**
13	Haldimand	Accessory building	200-Year	176.78
14	**Haldimand**	**Accessory building**	**100-Year**	**191.75**
15	**Haldimand**	**Accessory building**	**100-Year**	**191.82**
16	Haldimand	Residential	Regional	199.77
17	Haldimand	Residential	Regional	199.2
18	Haldimand	Residential	Regional	199.34
19	Haldimand	Agricultural	Regional	200.89
20	Haldimand	Residential	350-Year	199.41
21	Haldimand	Residential	Regional	201.4
22	Haldimand	*Not in aerial*	Regional	200.22
23	Haldimand	Residential	Regional	200.70
24	Haldimand	Residential	350-Year	199.87
25	Haldimand	Agricultural	Regional	201.28
26	Haldimand	Residential	Regional	202.6
27	Norfolk	Agricultural	350-Year	207.65
28	Norfolk	Agricultural	Regional	207.57
29	Norfolk	Agricultural	200-Year	203.23
30	**Haldimand**	**Industrial/Commercial**	**100-Year**	**174.92**
31	**Haldimand**	**Industrial/Commercial**	**100-Year**	**175.46**
32	**Haldimand**	**Industrial/Commercial**	**100-Year**	**175.62**

Of the 16 buildings within the 100-year Regulatory flood limit, none are classified as residential. Thirteen (13) of the 16 (including one not seen on aerial imagery) are considered industrial/commercial and are all located close to the creek's outlet into Lake Erie. They appear to be related to the fishing/boating industry and likely depend on proximity to the lake and creek for water access. The remaining buildings affected by the 100-year flood limit were classified as accessory buildings such as sheds.

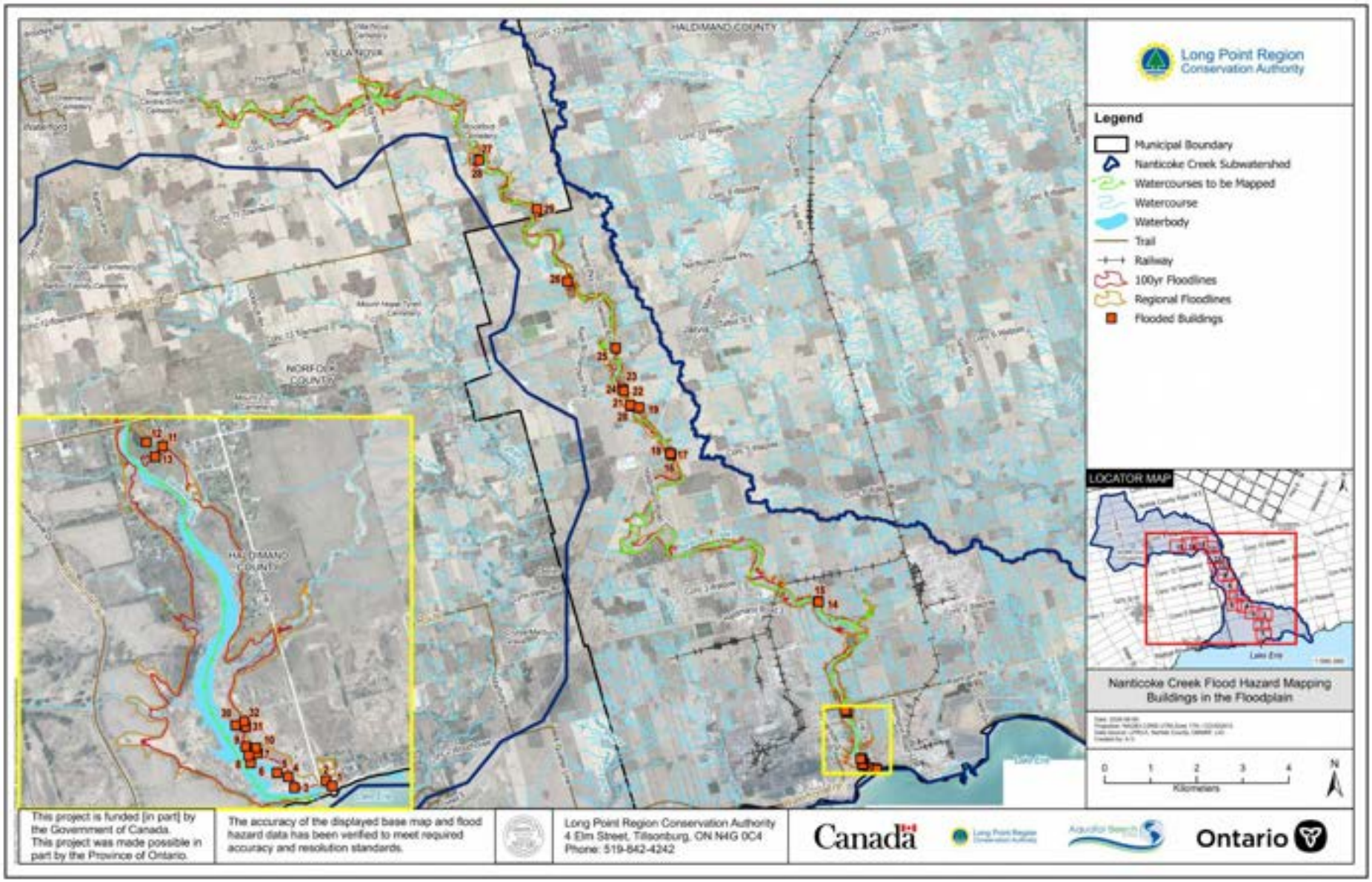


Figure 4-2: Flooded Buildings Assessment Results

4.3 Structure Performance

The bridges and culverts included in the hydraulic model were assessed to determine whether overtopping occurred during any of the modelled events. Fourteen of the bridges overtopped during the Regional event, as summarized in **Table 4-2**. Depths greater than 0.3m are identified in red, as this depth is greater than the emergency access allowance.

In total, 4 crossings were found to convey less than the 100-year Regulatory flood event. These roadways appear to be a combination of municipally and regionally governed roads. Of particular concern is the Haldimand Road 70 crossing at Reach Main-2 Cross Section 7215. A low point 100m north of the bridge conveys flows over the regional road at the 10-year and greater events. The lowest point in the road is approximately 0.3 m below the bridge structure's soffit, and in the smaller flood events, the total conveyance capacity of the structure is not utilized before the road overtops. While increasing the bridge's span and conveyance capacity while raising the low points in the road could improve the conveyance without overtopping, any increases to the road profile could impact upstream flood conditions. In its existing condition, the crossing does not have a significant impact on upstream flooding.

Table 4-4 Road Structure Performance Analysis

Reach	River Station (HEC-RAS)	Roadway	Max Event Conveyed w/out Overtopping			Regional Event	
			Event	Peak Flow Conveyed (m^3/s)	Hydraulic Head Change (m)	Road Flow Depth (m)	Road Flow Velocity (m/s)
Main-3	1525	Villa Nova Road	25-year	27.3	0.33	0.90	1.14
Trib-2	1915	Villa Nova Road	1000-year	17.7	0.2	0.47	0.82
Main-2	26551	Concession Road 10	50-year	45.6	0	0.89	1.17
Main-2	24788	Concession Road 11	200-Year	73.4	0.35	0.71	1.09
Main-2	22262	Concession 12 Townsend Road	1000-Year	101.9	0.25	0.75	1.1
Main-2	19357	Concession 13 Townsend Road	1000-year	101.9	0.15	0.72	1.11
Main-2	18323	Pedestrian Trail	Regional	222.5	0.22	0	0
Main-2	18230.9	Keith Richardson Parkway	1000-Year	110.2	0.44	0.44	1.36
Main-2	16943	Townline Road	1000-year	110.2	0.53	1.46	0.90
Main-2	15354	Old Highway 3	Regional	222.8	0	0	0
Main-2	15047	Haldimand Road 70	1000-year	110.2	0.04	1.16	0.46
Main-2	14040	Highway 6	1000-year	110.2	0.19	0.17	0.49
Main-2	13166	Concession 5 Walpole	1000-Year	115	0.36	0.65	1.02
Main-2	11731	Haldimand Road 70	1000-year	115	0.30	0.39	0.79
Main-2	7215	Haldimand Road 70	5-year	24.2	0.01	1.87	0.65
Main-2	3881	Concession 3 Walpole	25-year	49.5	0.02	1.56	0.73
Main-2	3218	Haldimand Road 3	Regional	223.8	0.65	0	0
Main-1	4974	Railway	1000-Year	127.1	1.29	0.28	0.51
Trib-1	1357	Haldimand Road 55	Regional	17.6	0.24	0.9	0
Main-1	2791	Rainham Road	Regional	227.4	2.02	0.47	0

4.4 Climate Change Assessment

The hydrologic study for Nanticoke Creek derived flows for the 200-year flood event and the 350-year flood event. As per FHIMP guidelines, these events represent proxy scenarios for climate change. The extent of the flooding hazard limit was mapped for both events and is included in **Appendix D**. The climate change scenarios result in flooding extents that are larger than the 100-year extents but remain within the extents of the Regional event (Hurricane Hazel).

4.5 Validation of Computed Water Surface Elevations

A validation exercise was undertaken to evaluate the accuracy of Aquafor's hydraulic model by comparing modelled outputs against expected values, based on a site frequency analysis performed for water levels recorded by the WSC flow gauge (ID #02GC022) located downstream of Rainham Road. Annual instantaneous water level records were available between 2002 and 2025, though three records were missing. In total, 21 recorded peak water levels were used in the analysis. Due to the relatively short record period, and given that most recorded peak flow events occurred prior to 2002, only the 2-year, 5-year, and 10-year events were considered as part of the validation exercise.

The site frequency analysis was undertaken using HEC-SSP (ver. 2.3) statistical analysis software. A goodness of fit test was first performed to compare various probability models (e.g., Generalized Extreme Value, Normal, Log-Pearson Type III, etc.) using the Kolmogorov-Smirnov Test and Chi-Square Test, as well as a visual inspection of fit. Both the L-moments and Product Moments fitting methods were considered. Based on this comparison, the Normal distribution fitted using the Product Moments method was found to have the best fit. The fitted curve and 90% confidence limits for the fitted distribution are shown in **Figure 4-3**.

Flows from the Water's Edge hydrology study were adjusted by first determining the ratio between flood frequency (FFA) estimates for the WSC flow gauge (estimated by Water's Edge) and the modelling-derived return period flows at the WSC gauge, then applying this ratio to all modelled flows for each of the 2-year to 10-year return periods. This step was necessary since Water's Edge flows differed from FFA estimates. Aquafor's HEC-RAS model was then run using these adjusted flows and comparing modelled water surface elevations at XS #2776 (WSC flow gauge location) against water level estimates from the site frequency analysis (**Table 4-3**).

The model was found to produce water surface elevations that were similar to expected values for the 5-year and 10-year events, though modelled flows for the 2-year event were outside the 90% confidence intervals from the site frequency analysis. This suggests that the model is able to accurately simulate water surface elevations for higher flood events, but is less accurate for smaller storms, likely because the model is more sensitive to variations in channel roughness, cross-section geometry, or other elements of the model setup (e.g., cross-section spacing and expansion/contraction coefficients) for smaller storms. Overall, the model is deemed to be suitable for simulating water surface elevations for major flood events, including the Regulatory event.

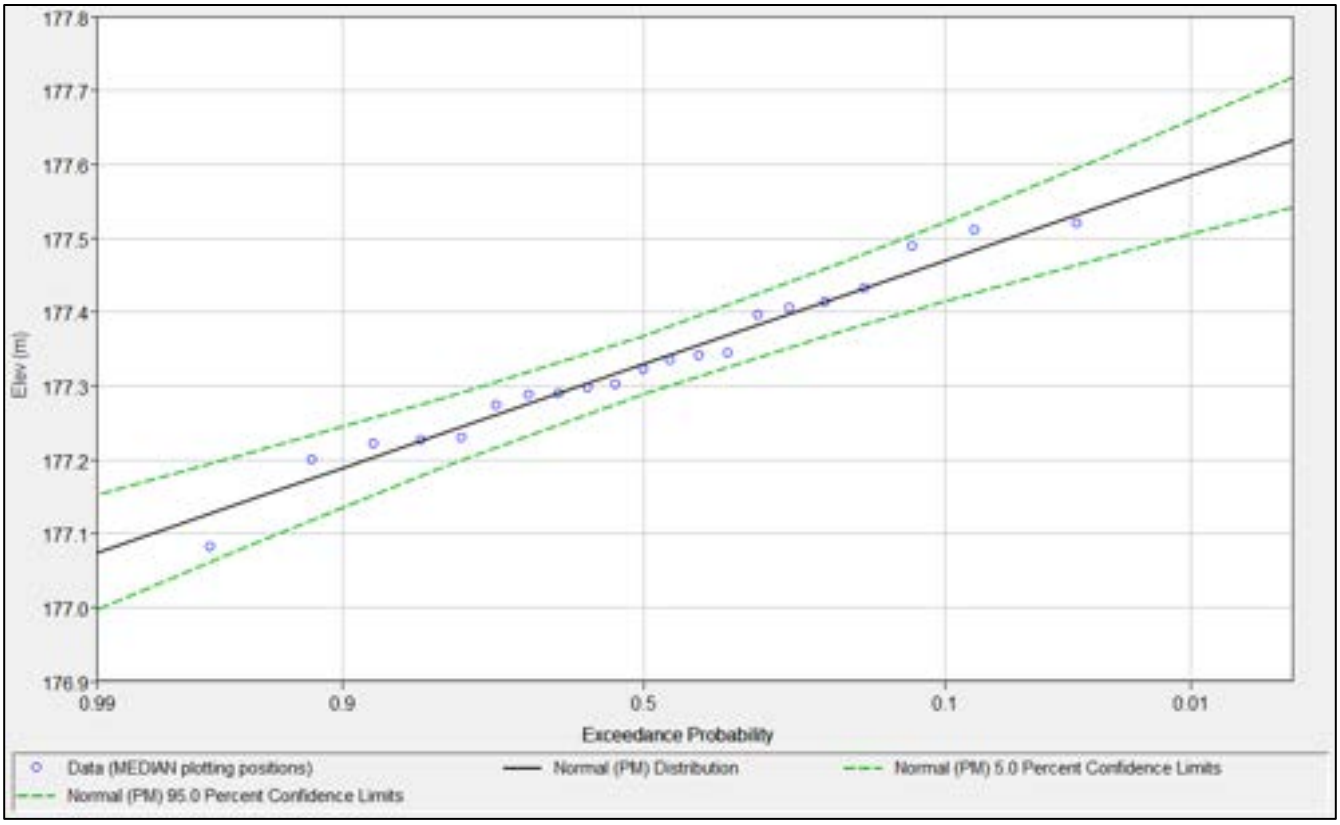


Figure 4-3: Best Fit Normal Curve with 90% Confidence Limits

Table 4-5 Comparison of Modelled WSE's at the WSC Nanticoke Gauge with Fitted Normal Distribution WSE Estimates and Confidence Limits

Return Period	Normal Distribution Median Curve (m)	Lower Limit (m)	Upper Limit (m)	HEC-RAS Results (m)
2-year	177.33	177.29	177.37	177.20
5-year	177.42	177.37	177.47	177.39
10-year	177.47	177.41	177.52	177.49

4.6 Floodline Validation

The 100-year floodplain extents were compared against the LPRCA's currently approved regulatory floodplain mapping. In general, the floodlines generated as a part of this study are reasonably consistent with the LPRCA's currently approved floodplain mapping. There have been minimal changes with respect to topography, channel alignment and floodplain development compared with the previously completed mapping. There are localized changes noted including one additional structure impacted by flooding. These changes may reflect differences in topographic data or differences in hydraulic modelling simulation results due to updated software. Additionally, the simulated floodplain extents use the most up to date flow rate estimates from the 2025 Water's Edge hydrologic model.

A comparison of the Aquafor Beech generated 100-year floodline and the LPRCA's previously completed 100yr floodline for sample portions of Nanticoke Creek is presented in **Figure 4-4** below.



Figure 4-4: Aquafor Beech Simulated 100-year Floodlines (Purple) vs. LPRCA approved 100-year Floodline (Green)

4.7 Ice Flow and Ice Jam Analysis Results

Ice jams occur within Nanticoke Creek during the spring freshet when lake ice creates a flow barrier to moving creek ice. While historical ice data is not available for the study area, and the flood hazard mapping cannot be accurately mapped using an ice scenario, Aquafor used previous work experience on similar projects (Mid-Humber Gap Trail, Credit Valley and Mississauga Golf and Country Club, Erindale Ice Control Structure) to assign preliminary ice cover data to the model for the 100-year storm event.

Given that lake ice is responsible for ice jamming within the creek, tailwater conditions associated with lake ice were investigated. It was observed that the channel bed slope flattens considerably in the downstream reach of the creek, before it reaches Lake Erie. This change in slope is creating a sudden reduction in channel velocity, causing water turbulence and likely leading to ice build up in this area. For this reason, ice cover was assigned from the downstream limits of the creek up to cross-section 2577, which encompasses the slope-transition area. An ice jam was simulated for all cross sections in this range to account for worst case scenario conditions. Ice cover was modelled in three different scenarios using the 100-year storm event, which varied the ice thickness from 0.1m to 0.3m.

A steady flow input data file was created to account for the following:

- Peak flows for all events/locations were set to the event-based HEC-HMS results;
- The tailwater boundary condition was set to a constant elevation of 173.91 m (CGVD2013), which represents the long-term maximum average monthly mean lake level. The tailwater condition was

reduced in the ice jam scenario from the stillwater elevations used to map flood hazards to reflect the lower Lake Erie water levels that occur over the winter months.

The results of the third scenario (ice thickness of 0.3m) compared to the 100-year flood event without ice cover are shown in **Table 4-6** below. The results show that water surface elevations upstream of the roadway crossing structure at Rainham Road are hydraulically controlled by the structure, meaning that the ice jam had little-to-no impact past the structure. The model shows that the area most impacted by ice buildup is the slope-transition area, which can be seen in **Figure 4-5** as a greater difference between the ice and no-ice scenarios.

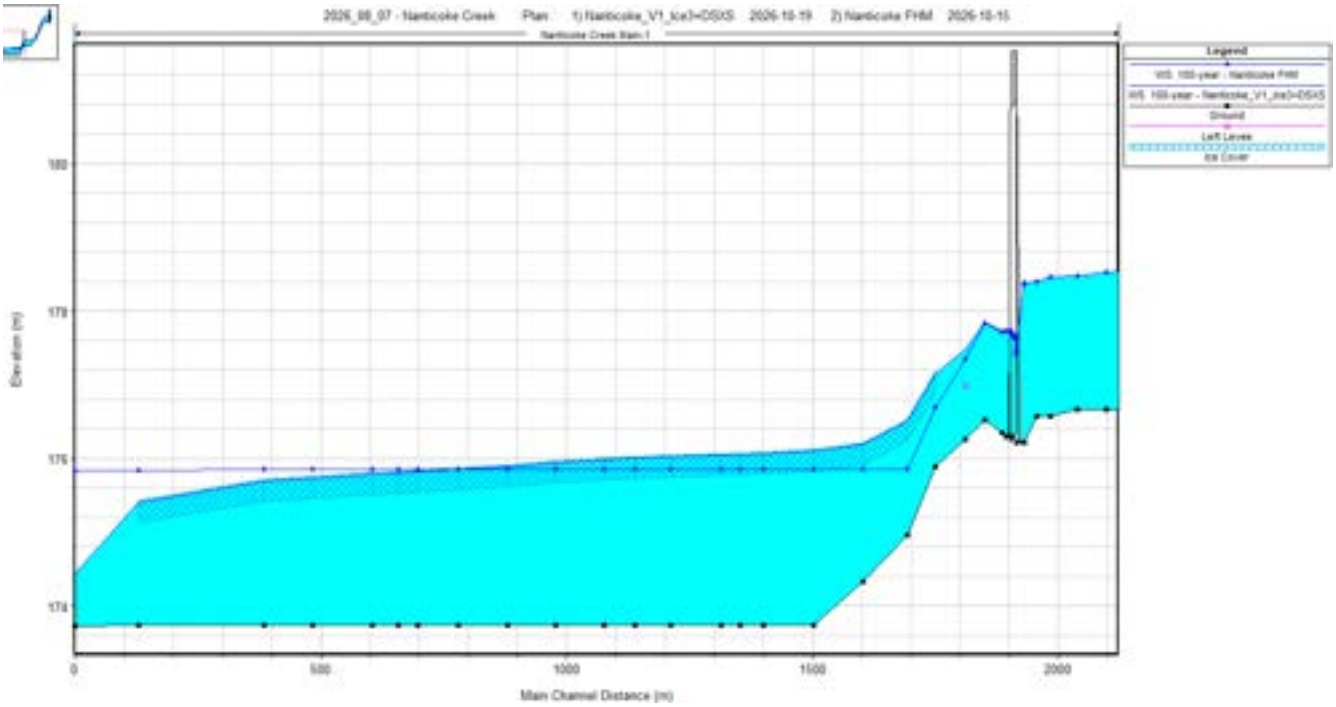


Figure 4-5: 100-Year Event WSE Profile Comparison between Mapped Levels and Ice Cover Scenario

The simulated ice jam raised water surface elevations downstream of Rainham Road by up to 0.67 m above the mapped 100-year water surface elevation profile, as shown in **Table 4-4** below. Additional results are provided in **Appendix B**.

Table 4-6: Summary of Ice Modelling Scenario: 100-Year Event WSE Comparison

Reach	River Sta	Profile	Without Ice	With Ice	Change in W.S. Elev
			W.S. Elev	W.S. Elev	
			(m)	(m)	(m)
Main-1	2814	100-year	178.39	178.39	0
Main-1	2811	100-year	178.35	178.35	0
Main-1	2791				0
Main-1	2776	100-year	177.73	177.74	0.01
Main-1	2769	100-year	177.72	177.73	0.01

Reach	River Sta	Profile	Without Ice	With Ice	Change in W.S. Elev
			W.S. Elev	W.S. Elev	
			(m)	(m)	(m)
Main-1	2694	100-year	177.84	177.84	0
Main-1	2693	100-year	177.35	177.48	0.13
Main-1	2577	100-year	176.7	177.16	0.46
Main-1	2576	100-year	175.84	176.51	0.67
Main-1	2485	100-year	175.84	176.19	0.35
Main-1	2386	100-year	175.84	176.1	0.26
Main-1	2313	100-year	175.84	176.07	0.23
Main-1	2229	100-year	175.84	176.05	0.21
Main-1	2228	100-year	175.84	176.04	0.20
Main-1	2053	100-year	175.84	176.02	0.18
Main-1	2052	100-year	175.84	176.00	0.16
Main-1	1990	100-year	175.84	175.99	0.15
Main-1	1891	100-year	175.84	175.95	0.11
Main-1	1792	100-year	175.84	175.89	0.05
Main-1	1693	100-year	175.84	175.85	0.01
Main-1	1610	100-year	175.84	175.82	-0.02
Main-1	1513	100-year	175.84	175.81	-0.03
Main-1	1397	100-year	175.84	175.78	-0.06
Main-1	1396	100-year	175.84	175.74	-0.10
Main-1	1297	100-year	175.84	175.69	-0.15
Main-1	1175	100-year	175.84	175.41	-0.43
Main-1	1043	100-year	175.84	174.44	-1.40

We note that while an estimate of ice jam behaviour has been made using our experience and modelling software, historical data and verification of actual ice jam and flood events is crucial to the proper simulation and hazard mapping of ice-related flooding. At this time, the ice jam scenarios have therefore not been included in the flood hazard mapping.

4.8 Ice Flow Results Sensitivity Analysis

A sensitivity analysis was conducted to ascertain if the model was particularly sensitive to selected key modelling parameters to determine a potential range of hydraulic impacts associated with ice cover within Nanticoke Creek.

Complete sensitivity analysis results are included in **Appendix B**. A discussion of general outcomes is provided in the subsequent sections. The results presented were simulated using the 100-year storm event with an ice cover thickness of 0.3 m. The model sensitivity analysis has considered the assessment of the following parameters summarized in **Table 4-5** below.

Table 4-7 Summary of Ice Cover Sensitivity Analysis Parameters

	-20%	Baseline	+20%
Internal Friction Angle (degrees)	36	45	54
Ice Jam Porosity	0.32	0.40	0.48
Ice Cover Mannings, n	0.04	0.05	0.06

Complete sensitivity analysis results are included in **Appendix B**. A discussion of general outcomes is provided in the subsequent sections.

4.8.1 *Manning's Roughness Coefficient*

The simulated results with respect to the Manning's Roughness Coefficient impact on water surface elevation is presented in **Table B-3** of **Appendix B**. The modelling results indicate that on average, the hydraulic modelling is relatively insensitive to changes in values, with average water level changes of 0.14 m. Areas closer to the outlet at Lake Erie may exhibit a greater sensitivity, with some of the simulated maximum differences in elevation of up to 0.18 m.

4.8.2 *Internal Friction Angle*

To model the Internal Friction Angle of the Ice Jam the default value of 45 degrees was used. For the purposes of the sensitivity analysis this value was increased/decreased by 20%. Water surface elevation is minimally impacted by changes to the internal friction angle of the ice jam with an average change of approximately 0.08 m. Areas with greater sensitivity yielded a maximum change in water surface elevation of only 0.13 m.

4.8.3 *Ice Jam Porosity*

The Ice Jam Porosity or fraction of the ice jam that is filled with liquid water was initially modelled with the default value of 0.40. Aquafor considered conditions where this value was increased/decreased by 20%. The results show that the water surface elevation showed some sensitivity to changes in ice jam porosity. A decrease of 20% yielded an average increase in water surface elevation of 0.45 m with a maximum change of 0.69 m.

5 UNCERTAINTIES, LIMITS AND RECOMMENDATIONS

Aquafor undertook a variety of measures to reduce uncertainty and increase confidence in the HEC-RAS hydraulic model's ability to predict water surface elevations. These included the use of flow rate estimates from the 2026 Water's Edge hydrologic model, the use of appropriate hydraulic parameters based on technical guidelines, reviewing errors, warnings and notes in the model, and adjusting regulatory flood lines based on a visual inspection of preliminary model results and historical flood lines.

Detailed reach investigations of the low flow channel were not conducted along the entirety of the creek due to the scale of the study area and because of site access and safety conditions. River cross-sections were only surveyed within the channel at certain locations generally located a few meters upstream and downstream of hydraulic structures. Aquafor was able to correct the low flow shape including the bed channel elevation at those specific areas but did not correct the channel bed for the entire study area. An undefined low-flow channel may increase model uncertainty, especially during base flow and more frequent flood event conditions. However, during the larger flood events targeted as part of this study, the geometry and resulting conveyance capacity of

the low-flow channel has much less impact on hydraulic conditions, as the overall conveyance area of the floodway greatly exceeds the low-flow area.

It is noted that the hydraulic model has first and foremost been developed for the purposes of flood hazard mapping. The development of the model was focused on assessing the hydraulic regime for the Regulatory flood event (100-year flood event). The hydraulic model results for other return period storm events have higher degrees of uncertainty. The hydraulic model and the results presented within this report for events other than the Regulatory event are intended to only provide general guidance for infrastructure planning and/or flood estimation purposes. Additional detailed studies may be required to ensure adequate accuracy of modelling results for these storm events.

6 PUBLIC INFORMATION CENTRE

A Public Information Centre (PIC) was held on May 28th, 2026. The session was held in order to provide an update on the flood hazard mapping study and address any project issues, comments, or concerns from the public. Aqaufor staff were available to speak with residents, providing information on the following topics:

- Flood hazards and historic flooding impacts;
- Approaches to reducing flooding impacts;
- Consultant company profile; and
- Overview of study methodology including topographic survey, hydrologic modelling, hydraulic modelling, and floodplain mapping.

Updated floodplain maps were also presented in draft format, including 25-year, 100-year (regulatory), and Regional floodlines. Comment sheets were made available at the PIC for the public to submit comments, concerns, or questions. No comments have been received at the time of this study's completion.

7 CONCLUSIONS

The 1-D HEC-RAS hydraulic model was built using the most recent data in possession of the LPRCA and is compliant with all pertinent technical guidelines (OMNR, 2002; EWRG et al., 2017; NRCan, 2023). This study thus provides detailed insight into the hydraulic behaviour of the Nanticoke Creek riverine system.

The following points are key conclusions drawn from this study:

- The hydraulic model includes a total of 462 river cross-sections, covering a total creek length of 46 km;
- The model includes a total of 20 hydraulic structures, consisting of bridges and culverts;
- The model incorporates hydrologic modelling data, using a total of 12 flow nodes;
- Survey investigations were conducted by Aquafor Beech Limited in August 2025 to confirm the designs of all hydraulic structures within the study area and to more accurately define stream bathymetry;
- Structure inventory sheets were developed for each of the surveyed hydraulic structures;

- A LiDAR-derived DTM referenced to the NAD83 (CSRS) UTM Zone 17N horizontal coordinate system and the CGVD2013 vertical datum was applied to define river cross-sections, stream centerline, and overbank locations, and to generate flood lines;

- Flows for the 25-year, 50-year, 100-year (Regulatory), 200-year, 350-year, 500-year, 1000-year and Regional flood events were inputted into the hydraulic model based on results from the Water's Edge hydrologic modelling;

- Manning's roughness values for existing land use conditions were assigned in the model according to Design Chart 2.01 of the MTO Drainage Management Manual (MTO, 1997) and Technical Guidelines for Flood Hazard Mapping (EWRG et al., 2017);

- The model was run under steady state conditions and a subcritical flow regime;

- Floodplain mapping was produced for the 25-year, 100-year (Regulatory), 200-year, 350-year and Regional flood events (15 map sheets in total);

- Mapping of the 200-year and 350-year flood events serves as a proxy for potential climate change impacts within the Nanticoke Creek river system;

- The floodline mapping showed that flood events are largely contained within the Nanticoke Creek valley, with no major spill points observed;

- A building assessment was completed; 13 buildings were found to be within the 100-year flood limit, and an additional 16 were within the limits of the larger floods. The buildings within the Regulatory flood limit were classified as either industrial/commercial or accessory buildings. All of the industrial/commercial buildings are located near the creek's outlet to Lake Erie and appear to be related to the fishing/boating industry.

- The crossing structure analysis found that 4 roadway crossings convey less than the 100-year regulatory flood peak flow without overtopping the roadway. In particular, the bridge on Haldimand Road 70 on Reach Main-2 Cross Section 7215 only conveyed the 5-year peak flow without overtopping, largely due to the road profile geometry. Several of the roadways experienced high roadway flow velocities and depths under the Regional event.

- Future road crossing replacements, especially on higher road embankments should be designed to conform to the latest drainage and conveyance standards to maintain or improve on upstream flood elevations;

- An ice-jam analysis was completed to evaluate potential impacts of ice jams in Nanticoke Creek. The findings showed that ice jam scenarios may increase flood elevations in the Creek immediately downstream of Rainham Road.

- Due to the lack of historical data and verification of actual ice jam and flood events, the ice jam simulation scenarios were not included in the flood hazard mapping.

Aquafor has confidence in the hydraulic model to predict water surface elevations with a reasonable degree of accuracy for the Regulatory event (100-year flood event) and therefore, in the Regulatory Floodplain Mapping product.

8 REFERENCES

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APPENDIX A – STRUCTURE INVENTORY SHEETS

CROSSING DATA SHEET

Watershed and Location Information	Structure Configuration and Dimensions		Current Flow Information
Date (mm/dd/yyyy): 08/19/2025	Structure Type: Road Bridge	Shape: Rectangular	Flow Present (Y/N): Y
Field Crew: CM, HI	Number of Cells: 2	Open Footing (Yes/No): Y	Approx. Depth of Water (mm): 400
ABL ID: ABL_01	Material (Concrete/Steel): Concrete		Upstream Erosion (Y/N): N
Creek Name: Nanticoke Creek	Height (m) x Width (m): 4.5 x 27.5		Downstream Erosion (Y/N): N
Road Type: Local/Street	Length (m): 14		Structure Conditions and Additional Comments:
Municipality: Nanticoke	U/S Invert Elev. (m): 176.4149	U/S Obvert Elev. (m): 180.6959	
Location (Road Name/Intersection): Rainham Road	D/S Invert Elev. (m): 176.2108	D/S Obvert Elev. (m): 180.6427	
UTM Coordinates (LON, LAT): (84901.14436781144 , 4752225.42005854)	Inlet Type (Projecting/Mitered/Headwall): Wingwall		
	Depth of Siltation (mm): 0		
Survey Vertical Datum: CGVD2013			

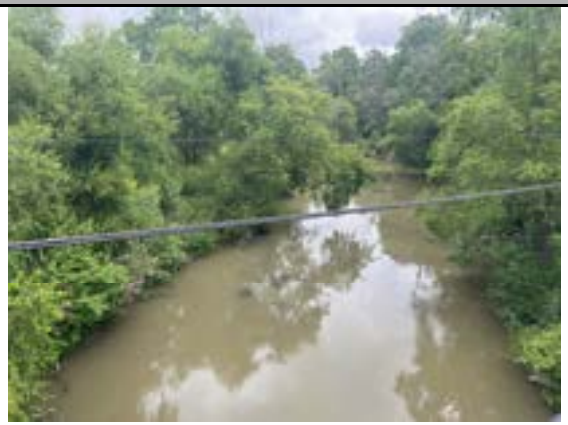
Location and Site Photographs

Site Location:





Upstream Face



Upstream Channel



Downstream Face



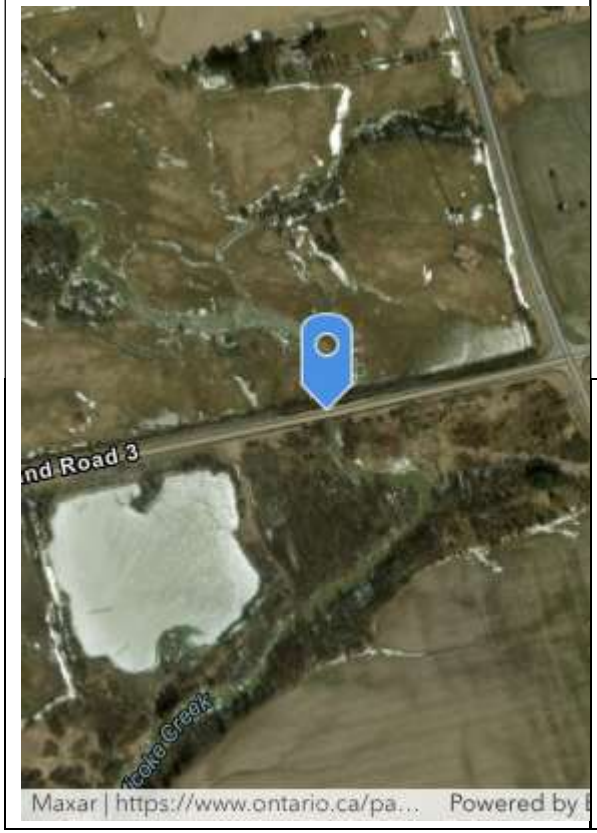
Downstream Channel

CROSSING DATA SHEET

Watershed and Location Information	Structure Configuration and Dimensions		Current Flow Information
Date (mm/dd/yyyy): 08/19/2025	Structure Type: Road Bridge	Shape: Arch	Flow Present (Y/N): Y
Field Crew: CM, HI	Number of Cells: 1	Open Footing (Yes/No): Y	Approx. Depth of Water (mm): 300
ABL ID: ABL_02	Material (Concrete/Steel): Concrete		Upstream Erosion (Y/N): N
Creek Name: Nanticoke Creek	Height (m) x Width (m): 3.5 x 18.5		Downstream Erosion (Y/N): Y
Road Type: Arterial	Length (m): 11		Structure Conditions and Additional Comments: Farmers fence on upstream side preventing XS.
Municipality: Nanticoke	U/S Invert Elev. (m): 184.2947	U/S Obvert Elev. (m): 187.8115	
Location (Road Name/Intersection): Haldimand Road 3	D/S Invert Elev. (m): 184.1475	D/S Obvert Elev. (m): 187.7825	
UTM Coordinates (LON, LAT): (85396.13963877555 , 4753807.055478588)	Inlet Type (Projecting/Mitered/Headwall): Wingwall		
	Depth of Siltation (mm): 15		
Survey Vertical Datum: CGVD2013			

Location and Site Photographs

Site Location:





Upstream Face



Upstream Channel



Downstream Face



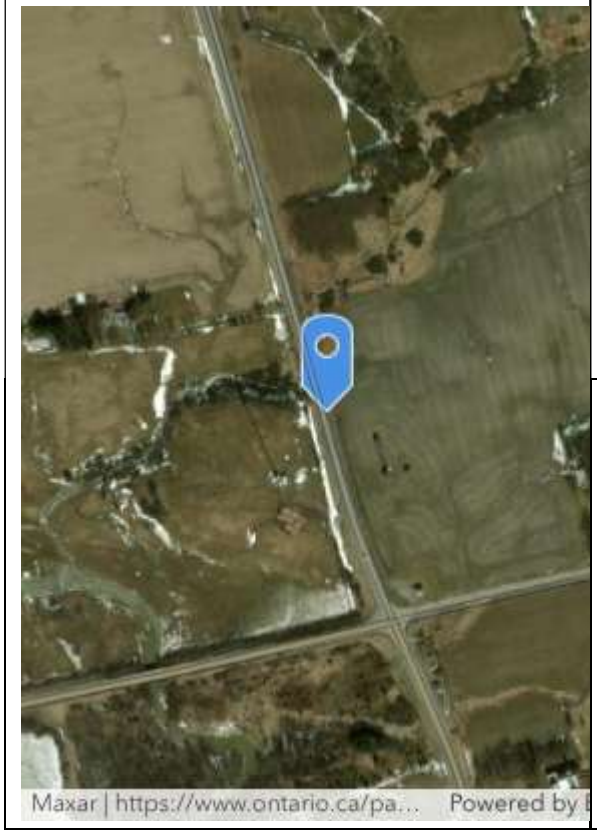
Downstream Channel

CROSSING DATA SHEET

Watershed and Location Information	Structure Configuration and Dimensions		Current Flow Information
Date (mm/dd/yyyy): 08/19/2025	Structure Type: Culvert, Road	Shape: Rectangular	Flow Present (Y/N): Y
Field Crew: CM, HI	Number of Cells: 1	Open Footing (Yes/No): Y	Approx. Depth of Water (mm): 250
ABL ID: ABL_03	Material (Concrete/Steel): Concrete		Upstream Erosion (Y/N): Y
Creek Name: Nanticoke Creek	Height (m) x Width (m): 1.55 x 4.25		Downstream Erosion (Y/N): Y
Road Type: Arterial	Length (m): 21		Structure Conditions and Additional Comments: Fence on upstream side preventing XS.
Municipality: Nanticoke	U/S Invert Elev. (m): 186.8704	U/S Obvert Elev. (m): 188.2699	
Location (Road Name/Intersection): Haldimand Road 55	D/S Invert Elev. (m): 186.671	D/S Obvert Elev. (m): 188.2181	
UTM Coordinates (LON, LAT): (85592.7773833205 , 4754064.738005186)	Inlet Type (Projecting/Mitered/Headwall): Projecting		
	Depth of Siltation (mm): 50		
Survey Vertical Datum: CGVD2013			

Location and Site Photographs

Site Location:





Upstream Face



Upstream Channel



Downstream Face



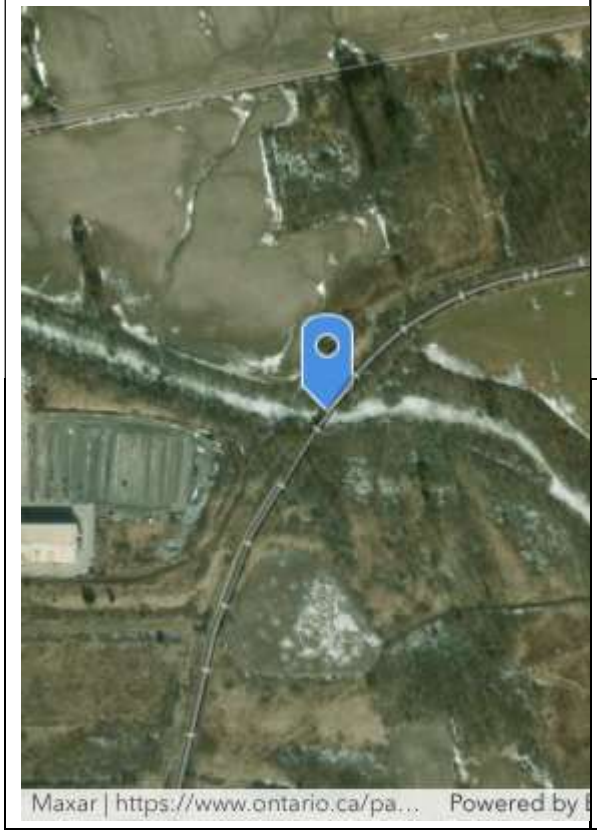
Downstream Channel

CROSSING DATA SHEET

Watershed and Location Information	Structure Configuration and Dimensions		Current Flow Information
Date (mm/dd/yyyy): 09/09/2025	Structure Type: Rail Bridge	Shape: Rectangular	Flow Present (Y/N): Y
Field Crew: CM, ET	Number of Cells: 3	Open Footing (Yes/No): Y	Approx. Depth of Water (mm): N/A
ABL ID: ABL_04	Material (Concrete/Steel): Concrete		Upstream Erosion (Y/N): N
Creek Name: Nanticoke Creek	Height (m) x Width (m) or Diameter (m): N/A		Downstream Erosion (Y/N): N
Road Type: Rail	Length (m): 3		Structure Conditions and Additional Comments: Unable to survey
Municipality: Nanticoke	U/S Invert Elev. (m): N/A	U/S Obvert Elev. (m): N/A	
Location (Road Name/Intersection): Railway	D/S Invert Elev. (m): N/A	D/S Obvert Elev. (m): N/A	
UTM Coordinates (LON, LAT): (83723.7829660814 , 4754868.654852477)	Inlet Type (Projecting/Mitered/Headwall): Headwall		
	Depth of Siltation (mm): N/A		
Survey Vertical Datum: CGVD2013			

Location and Site Photographs

Site Location:





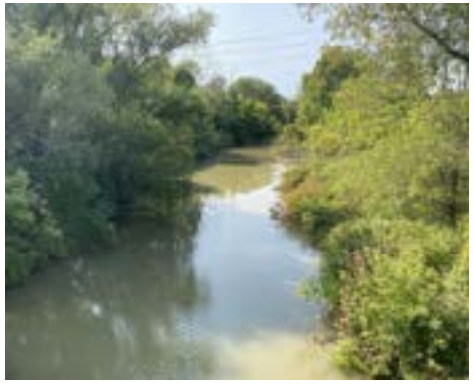
Upstream Face



Upstream Channel



Downstream Face



Downstream Channel

CROSSING DATA SHEET

Watershed and Location Information	Structure Configuration and Dimensions		Current Flow Information
Date (mm/dd/yyyy): 09/09/2025	Structure Type: Road Bridge	Shape: Arch	Flow Present (Y/N): Y
Field Crew: CM, ET	Number of Cells: 1	Open Footing (Yes/No): Y	Approx. Depth of Water (mm): 1,200
ABL ID: ABL_05	Material (Concrete/Steel): Concrete		Upstream Erosion (Y/N): Y
Creek Name: Nanticoke Creek	Height (m) x Width (m): 3.8 x 17		Downstream Erosion (Y/N): Y
Road Type: Local/Street	Length (m): 10		Structure Conditions and Additional Comments:
Municipality: Varency	U/S Invert Elev. (m): 191.7969	U/S Obvert Elev. (m): 195.261	
Location (Road Name): Concession 3 Walpole Road	D/S Invert Elev. (m): 190.6662	D/S Obvert Elev. (m): 194.3026	
UTM Coordinates (LON, LAT): (83103.3713066419 , 4755140.34956431)	Inlet Type (Projecting/Mitered/Headwall): Headwall		
	Depth of Siltation (mm): 150		
Survey Vertical Datum: CGVD2013			

Location and Site Photographs

Site Location:





Upstream Face



Upstream Channel



Downstream Face



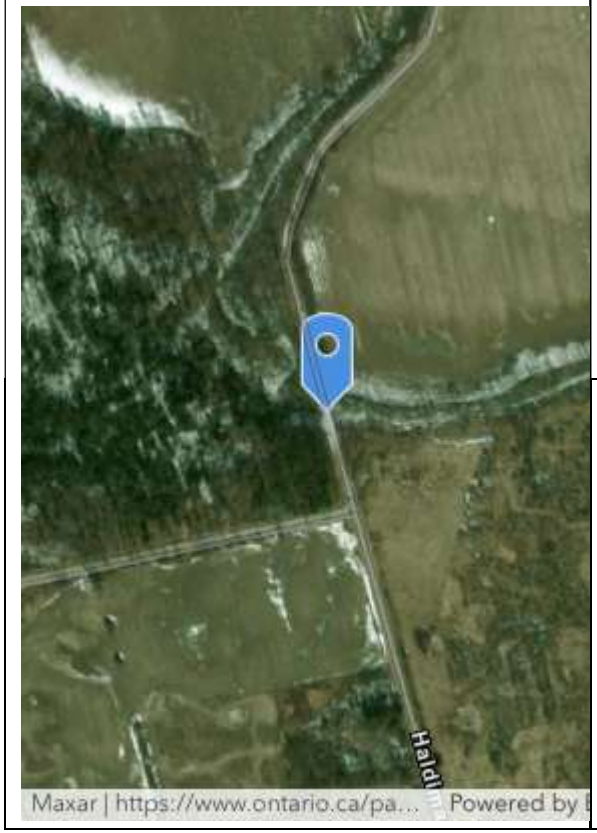
Downstream Channel

CROSSING DATA SHEET

Watershed and Location Information	Structure Configuration and Dimensions		Current Flow Information
Date (mm/dd/yyyy): 09/09/2025	Structure Type: Road Bridge,	Shape: Arch	Flow Present (Y/N): Y
Field Crew: CM, ET	Number of Cells: 1	Open Footing (Yes/No): Y	Approx. Depth of Water (mm): 950
ABL ID: ABL_06	Material (Concrete/Steel): Concrete		Upstream Erosion (Y/N): N
Creek Name: Nanticoke Creek	Height (m) x Width (m): 3.7 x 15		Downstream Erosion (Y/N): N
Road Type: Arterial	Length (m): 9		Structure Conditions and Additional Comments:
Municipality: Varnecy	U/S Invert Elev. (m): 193.5856	U/S Obvert Elev. (m): 195.4316	
Location (Road Name/Intersection): Haldimand Road 70	D/S Invert Elev. (m): 192.2573	D/S Obvert Elev. (m): 195.4253	
UTM Coordinates (LON, LAT): (81441.66995038692 , 4755757.293578861)	Inlet Type (Projecting/Mitered/Headwall): Headwall		
	Depth of Siltation (mm): 150		
Survey Vertical Datum: CGVD2013			

Location and Site Photographs

Site Location:





Upstream Face



Upstream Channel



Downstream Face



Downstream Channel

CROSSING DATA SHEET

Watershed and Location Information	Structure Configuration and Dimensions		Current Flow Information
Date (mm/dd/yyyy): 09/09/2025	Structure Type: Road Bridge	Shape: Rectangular	Flow Present (Y/N): Y
Field Crew: CM, ET	Number of Cells: 2	Open Footing (Yes/No): Y	Approx. Depth of Water (mm): 500
ABL ID: ABL_07	Material (Concrete/Steel): Concrete		Upstream Erosion (Y/N): N
Creek Name: Nanticoke Creek	Height (m) x Width (m): 3.5 x 12.5 (x2)		Downstream Erosion (Y/N): Y
Road Type: Arterial	Length (m): 11		Structure Conditions and Additional Comments: Debris jam on left cell of upstream side (looking DS).
Municipality: Varnecy	U/S Invert Elev. (m): 194.8508, 194.9478	U/S Obvert Elev. (m): 198.2657, 198.4049	
Location (Road Name): Haldimand Road 70	D/S Invert Elev. (m): 194.7455, 194.8549	D/S Obvert Elev. (m): 198.4365, 198.481	
UTM Coordinates (LON, LAT): (81176.51379337761 , 4756969.990300185)	Inlet Type (Projecting/Mitered/Headwall): Headwall		
	Depth of Siltation (mm): 50		
Survey Vertical Datum: CGVD2013			

Location and Site Photographs

Site Location:





Upstream Face



Upstream Channel



Downstream Face



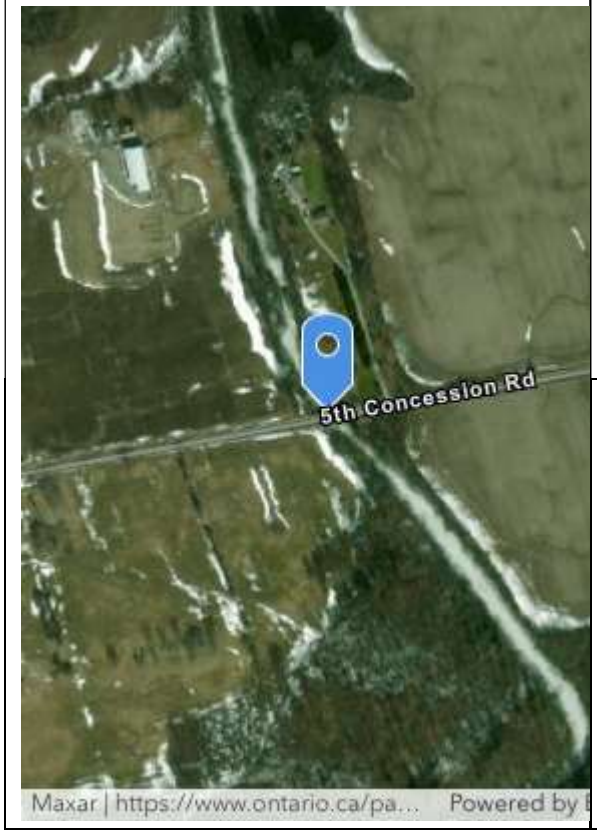
Downstream Channel

CROSSING DATA SHEET

Watershed and Location Information	Structure Configuration and Dimensions		Current Flow Information
Date (mm/dd/yyyy): 08/26/2025	Structure Type: Road Bridge	Shape: Arch	Flow Present (Y/N): Y
Field Crew: HI, GS	Number of Cells: 1	Open Footing (Yes/No): Y	Approx. Depth of Water (mm): 1200
ABL ID: ABL_08	Material (Concrete/Steel): Concrete		Upstream Erosion (Y/N): Y
Creek Name: Nanticoke Creek	Height (m) x Width (m): 4.5 x 18.5		Downstream Erosion (Y/N): Y
Road Type: Local/Street	Length (m): 10.5		Structure Conditions and Additional Comments: Unable to finish upstream face and cross-section due to depth of water and siltation
Municipality: Lutesville	U/S Invert Elev. (m): 195.0862	U/S Obvert Elev. (m): 199.6349	
Location (Road Name/Intersection): Concession 5 Walpole	D/S Invert Elev. (m): 194.951	D/S Obvert Elev. (m): 199.5824	
UTM Coordinates (LON, LAT): (81584.0468295947 , 4757785.196500223)	Inlet Type (Projecting/Mitered/Headwall): Headwall		
	Depth of Siltation (mm): 300		
Survey Vertical Datum: CGVD2013			

Location and Site Photographs

Site Location:





Upstream Face



Upstream Channel



Downstream Face



Downstream Channel

CROSSING DATA SHEET

Watershed and Location Information	Structure Configuration and Dimensions		Current Flow Information
Date (mm/dd/yyyy): 08/21/2025	Structure Type: Road Bridge	Shape: Rectangular	Flow Present (Y/N): Y
Field Crew: CM, MSR	Number of Cells: 1	Open Footing (Yes/No): N	Approx. Depth of Water (mm): 1,000
ABL ID: ABL_09	Material (Concrete/Steel): Concrete		Upstream Erosion (Y/N): Y
Creek Name: Nanticoke Creek	Height (m) x Width (m) or Diameter (m): 5.25 x 19		Downstream Erosion (Y/N): N
Road Type: Expressway/Highway	Length (m): 13		Structure Conditions and Additional Comments:
Municipality: Lutesville	U/S Invert Elev. (m): 195.7526	U/S Obvert Elev. (m): 201.0137	
Location (Road Name/Intersection): Highway 6	D/S Invert Elev. (m): 195.6609	D/S Obvert Elev. (m): 199.87065	
UTM Coordinates (LON, LAT): (81285.70069370518 , 4758532.351299016)	Inlet Type (Projecting/Mitered/Headwall): Headwall		
	Depth of Siltation (mm): 50		
Survey Vertical Datum: CGVD2013			

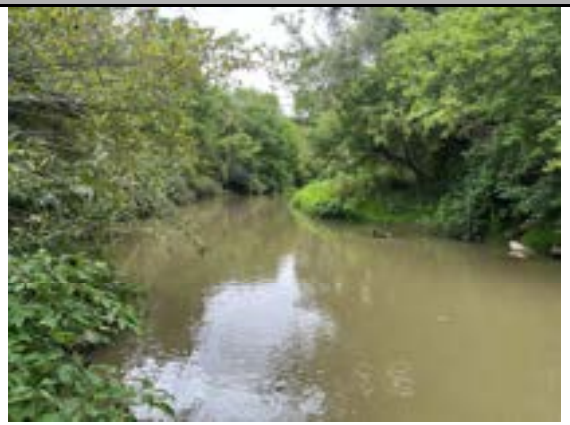
Location and Site Photographs

Site Location:





Upstream Face



Upstream Channel



Downstream Face



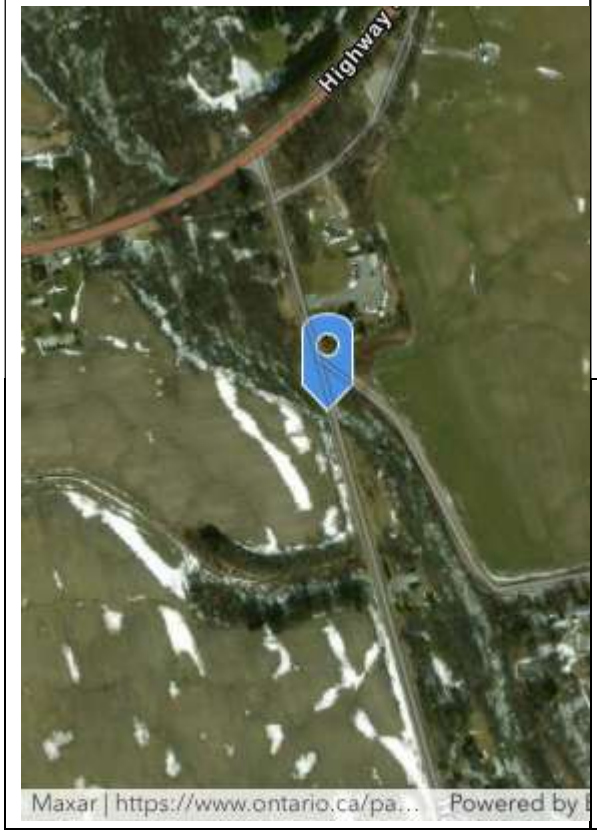
Downstream Channel

CROSSING DATA SHEET

Watershed and Location Information	Structure Configuration and Dimensions		Current Flow Information
Date (mm/dd/yyyy): 08/20/2025	Structure Type: Road Bridge	Shape: Arch	Flow Present (Y/N): Y
Field Crew: CM, HI	Number of Cells: 1	Open Footing (Yes/No): Y	Approx. Depth of Water (mm): 1,250
ABL ID: ABL_10	Material (Concrete/Steel): Concrete		Upstream Erosion (Y/N): Y
Creek Name: Nanticoke Creek	Height (m) x Width (m): 4.8 x 18.5		Downstream Erosion (Y/N): Y
Road Type: Arterial	Length (m): 10.5		Structure Conditions and Additional Comments: No Upstream cross-sections were able to be taken due to depth of sediment and water.
Municipality: Lutesville	U/S Invert Elev. (m): 195.7866	U/S Obvert Elev. (m): 200.6005	
Location (Road Name/Intersection): Haldimand Road 70	D/S Invert Elev. (m): 195.4674	D/S Obvert Elev. (m): 200.5961	
UTM Coordinates (LON, LAT): (80696.08754122403 , 4759298.455567674)	Inlet Type (Projecting/Mitered/Headwall): Headwall		
	Depth of Siltation (mm): 100		
Survey Vertical Datum: CGVD2013			

Location and Site Photographs

Site Location:





Upstream Face



Upstream Channel



Downstream Face



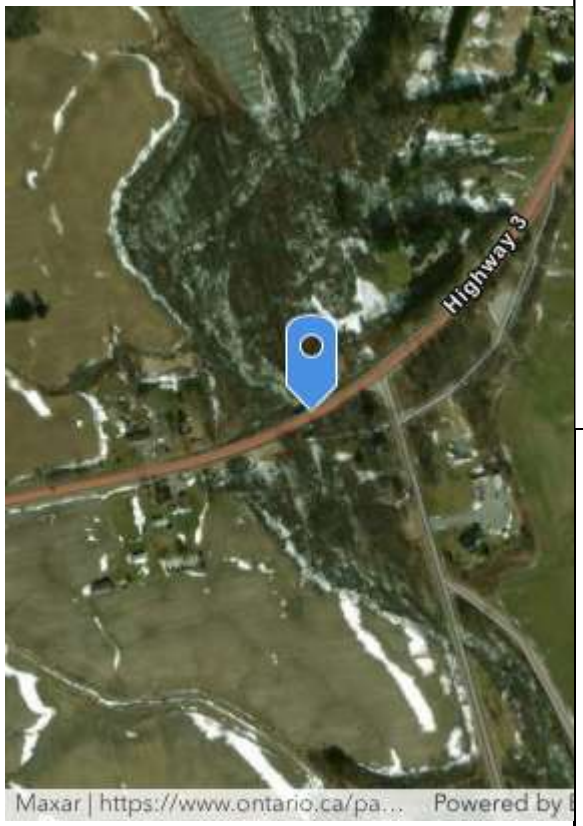
Downstream Channel

CROSSING DATA SHEET

Watershed and Location Information	Structure Configuration and Dimensions		Current Flow Information
Date (mm/dd/yyyy): 08/21/2025	Structure Type: Road Bridge	Shape: Arch	Flow Present (Y/N): Y
Field Crew: CM, MSR	Number of Cells: 1	Open Footing (Yes/No): Y	Approx. Depth of Water (mm): 900
ABL ID: ABL_11	Material (Concrete/Steel): Concrete		Upstream Erosion (Y/N): Y
Creek Name: Nanticoke Creek	Height (m) x Width (m): 6 x 15		Downstream Erosion (Y/N): Y
Road Type: Expressway/Highway	Length (m): 16		Structure Conditions and Additional Comments: Weir or historic evidence of bridge on US side of crossing. Abandoned and overgrown pedestrian bridge on DS side preventing cross-sections. Large debris jam between the two crossings.
Municipality: Lutesville	U/S Invert Elev. (m): 196.1632	U/S Obvert Elev. (m): 201.9739	
Location (Road Name/Intersection): Old Highway 3	D/S Invert Elev. (m): 195.9402	D/S Obvert Elev. (m): 201.8127	
UTM Coordinates (LON, LAT): (80566.27546536224 , 4759533.246194177)	Inlet Type (Projecting/Mitered/Headwall): Headwall		
	Depth of Siltation (mm): 150		
Survey Vertical Datum: CGVD2013			

Location and Site Photographs

Site Location:





Upstream Face



Upstream Channel



Downstream Face



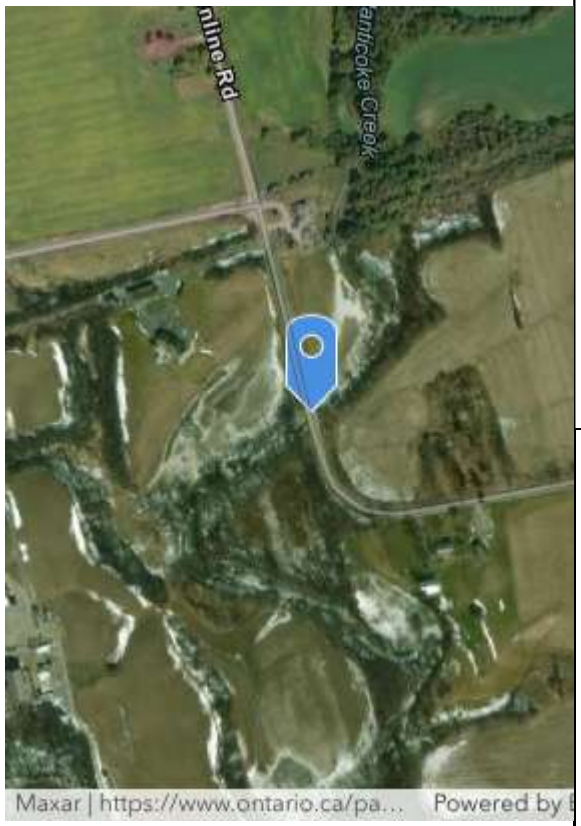
Downstream Channel

CROSSING DATA SHEET

Watershed and Location Information	Structure Configuration and Dimensions		Current Flow Information
Date (mm/dd/yyyy): 08/21/2025	Structure Type: Road Bridge	Shape: Rectangular	Flow Present (Y/N): Y
Field Crew: CM, MSR	Number of Cells: 1	Open Footing (Yes/No): Y	Approx. Depth of Water (mm): 800
ABL ID: ABL_12	Material (Concrete/Steel): Concrete		Upstream Erosion (Y/N): Y
Creek Name: Nanticoke Creek	Height (m) x Width (m): 3.15 x 18.2		Downstream Erosion (Y/N): N
Road Type: Local/Street	Length (m): 11		Structure Conditions and Additional Comments:
Municipality: Jarvis	U/S Invert Elev. (m): 197.3407	U/S Obvert Elev. (m): 200.4898	
Location (Road Name/Intersection): Townline Road	D/S Invert Elev. (m): 197.2318	D/S Obvert Elev. (m): 200.4947	
UTM Coordinates (LON, LAT): (80429.08869118331 , 4760572.8320852965)	Inlet Type (Projecting/Mitered/Headwall): Headwall		
	Depth of Siltation (mm): 80		
Survey Vertical Datum: CGVD2013			

Location and Site Photographs

Site Location:





Upstream Face



Upstream Channel



Downstream Face



Downstream Channel

CROSSING DATA SHEET

Watershed and Location Information	Structure Configuration and Dimensions		Current Flow Information
Date (mm/dd/yyyy): 08/21/2025	Structure Type: Pedestrian	Shape: Arch	Flow Present (Y/N): Y
Field Crew: CM, MSR	Number of Cells: 1	Open Footing (Yes/No): N	Approx. Depth of Water (mm): 1,100
ABL ID: ABL_ABL_13	Material (Concrete/Steel): Concrete		Upstream Erosion (Y/N): N
Creek Name: Nanticoke Creek	Height (m) x Width (m): 3.5 x 15		Downstream Erosion (Y/N): Y
Road Type: Trail	Length (m): 8.5		Structure Conditions and Additional Comments:
Municipality: Jarvis	U/S Invert Elev. (m): 197.0219	U/S Obvert Elev. (m): 200.5289	
Location (Intersection): Townline and Keith Richardson	D/S Invert Elev. (m): 196.5866	D/S Obvert Elev. (m): 200.5097	
UTM Coordinates (LON, LAT): (80226.5528360377 , 4761512.121760375)	Inlet Type (Projecting/Mitered/Headwall): Headwall		
	Depth of Siltation (mm): 200		
Survey Vertical Datum: CGVD2013			

Location and Site Photographs

Site Location:





Upstream Face



Upstream Channel



Downstream Face



Downstream Channel

CROSSING DATA SHEET

Watershed and Location Information	Structure Configuration and Dimensions		Current Flow Information
Date (mm/dd/yyyy): 08/21/2025	Structure Type: Road Bridge	Shape: Rectangular	Flow Present (Y/N): Y
Field Crew: CM, MSR	Number of Cells: 1	Open Footing (Yes/No): Y	Approx. Depth of Water (mm): 850
ABL ID: ABL_14	Material (Concrete/Steel): Concrete		Upstream Erosion (Y/N): Y
Creek Name: Nanticoke Creek	Height (m) x Width (m): 9 x 50		Downstream Erosion (Y/N): N
Road Type: Arterial	Length (m): 21		Structure Conditions and Additional Comments:
Municipality: Jarvis	U/S Invert Elev. (m): 197.6369	U/S Obvert Elev. (m): 207.3848	
Location (Road Name): Keith Richardson Parkway	D/S Invert Elev. (m): 197.0726	D/S Obvert Elev. (m): 206.0792	
UTM Coordinates (LON, LAT): (80198.69072482624 , 4761523.95029834)	Inlet Type (Projecting/Mitered/Headwall): Headwall		
	Depth of Siltation (mm): 150		
Survey Vertical Datum: CGVD2013			

Location and Site Photographs

Site Location:





Upstream Face



Upstream Channel



Downstream Face



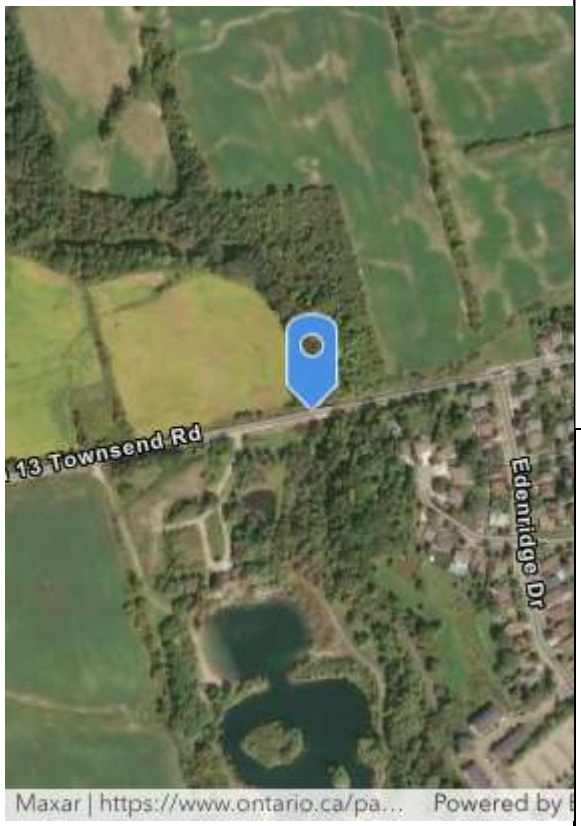
Downstream Channel

CROSSING DATA SHEET

Watershed and Location Information	Structure Configuration and Dimensions		Current Flow Information
Date (mm/dd/yyyy): 08/25/2025	Structure Type: Road Bridge	Shape: Rectangular	Flow Present (Y/N): Y
Field Crew: CM, HI	Number of Cells: 1	Open Footing (Yes/No): Y	Approx. Depth of Water (mm): 600
ABL ID: ABL_15	Material (Concrete/Steel): Concrete		Upstream Erosion (Y/N): N
Creek Name: Nanticoke Creek	Height (m) x Width (m): 4 x 14.5		Downstream Erosion (Y/N): N
Road Type: Local/Street	Length (m): 10.5		Structure Conditions and Additional Comments:
Municipality: Townsend	U/S Invert Elev. (m): 199.095	U/S Obvert Elev. (m): 203.08375	
Location (Road Name): Concession 13 Townsend Road	D/S Invert Elev. (m): 198.9933	D/S Obvert Elev. (m): 203.11305	
UTM Coordinates (LON, LAT): (79690.45648924605 , 4762075.69219046)	Inlet Type (Projecting/Mitered/Headwall): Headwall		
	Depth of Siltation (mm): 125		
Survey Vertical Datum: CGVD2013			

Location and Site Photographs

Site Location:





Upstream Face



Upstream Channel



Downstream Face



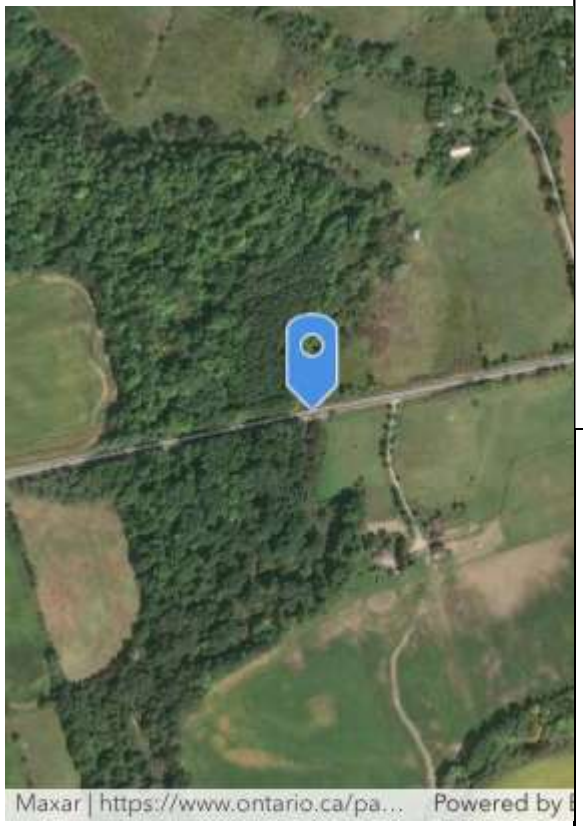
Downstream Channel

CROSSING DATA SHEET

Watershed and Location Information	Structure Configuration and Dimensions		Current Flow Information
Date (mm/dd/yyyy): 08/25/2025	Structure Type: Road Bridge	Shape: Arch	Flow Present (Y/N): Y
Field Crew: CM, HI	Number of Cells: 1	Open Footing (Yes/No): Y	Approx. Depth of Water (mm): 900
ABL ID: ABL_16	Material (Concrete/Steel): Concrete		Upstream Erosion (Y/N): N
Creek Name: Nanticoke Creek	Height (m) x Width (m): 4.85 x 15		Downstream Erosion (Y/N): N
Road Type: Local/Street	Length (m): 10		Structure Conditions and Additional Comments:
Municipality: Townsend	U/S Invert Elev. (m): 199.6991	U/S Obvert Elev. (m): 204.5505	
Location (Road Name): Concession 12 Townsend Road	D/S Invert Elev. (m): 199.6222	D/S Obvert Elev. (m): 204.507	
UTM Coordinates (LON, LAT): (78930.63052723074 , 4763368.320214)	Inlet Type (Projecting/Mitered/Headwall): Headwall		
	Depth of Siltation (mm): 200		
Survey Vertical Datum: CGVD2013			

Location and Site Photographs

Site Location:





Upstream Face



Upstream Channel



Downstream Face



Downstream Channel

CROSSING DATA SHEET

Watershed and Location Information	Structure Configuration and Dimensions		Current Flow Information
Date (mm/dd/yyyy): 08/19/2025	Structure Type: Road Bridge	Shape: Rectangular	Flow Present (Y/N): Y
Field Crew: CM, HI	Number of Cells: 1	Open Footing (Yes/No): Y	Approx. Depth of Water (mm): 600
ABL ID: ABL_17	Material (Concrete/Steel): Concrete		Upstream Erosion (Y/N): Y
Creek Name: Nanticoke Creek	Height (m) x Width (m): 2.15 x 12		Downstream Erosion (Y/N): N
Road Type: Local/Street	Length (m): 10		Structure Conditions and Additional Comments:
Municipality: Rockford	U/S Invert Elev. (m): 205.7772	U/S Obvert Elev. (m): 207.9184	
Location (Road Name/Intersection): Concession Road 11	D/S Invert Elev. (m): 205.4356	D/S Obvert Elev. (m): 207.9226	
UTM Coordinates (LON, LAT): (77696.43694833823 , 4764617.053552763)	Inlet Type (Projecting/Mitered/Headwall): Headwall		
	Depth of Siltation (mm): 50		
Survey Vertical Datum: CGVD2013			

Location and Site Photographs

Site Location:





Upstream Face



Upstream Channel



Downstream Face



Downstream Channel

CROSSING DATA SHEET

Watershed and Location Information	Structure Configuration and Dimensions		Current Flow Information
Date (mm/dd/yyyy): 08/20/2025	Structure Type: Road Bridge	Shape: Rectangular	Flow Present (Y/N): Y
Field Crew: CM, HI	Number of Cells: 1	Open Footing (Yes/No): N	Approx. Depth of Water (mm): 450
ABL ID: ABL_18	Material (Concrete/Steel): Concrete		Upstream Erosion (Y/N): N
Creek Name: Nanticoke Creek	Height (m) x Width (m): 3.4 x 11.8		Downstream Erosion (Y/N): Y
Road Type: Local/Street	Length (m): 9.8		Structure Conditions and Additional Comments:
Municipality: Rockford	U/S Invert Elev. (m): 204.9732	U/S Obvert Elev. (m): 208.3635	
Location (Road Name/Intersection): Concession Road 11	D/S Invert Elev. (m): 204.7331	D/S Obvert Elev. (m): 208.2426	
UTM Coordinates (LON, LAT): (78000.99596465047 , 4764679.710871101)	Inlet Type (Projecting/Mitered/Headwall): Headwall		
	Depth of Siltation (mm): 25		
Survey Vertical Datum: CGVD2013			

Location and Site Photographs

Site Location:





Upstream Face



Upstream Channel



Downstream Face



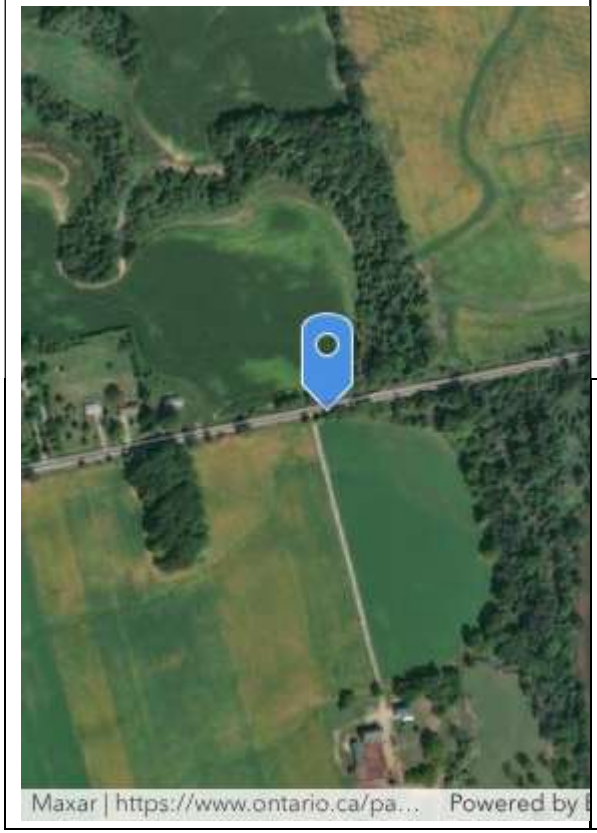
Downstream Channel

CROSSING DATA SHEET

Watershed and Location Information	Structure Configuration and Dimensions		Current Flow Information
Date (mm/dd/yyyy): 08/20/2025	Structure Type: Road Bridge	Shape: Rectangular	Flow Present (Y/N): Y
Field Crew: CM, HI	Number of Cells: 1	Open Footing (Yes/No): N	Approx. Depth of Water (mm): 1,000
ABL ID: ABL_19	Material (Concrete/Steel): Concrete		Upstream Erosion (Y/N): Y
Creek Name: Nanticoke Creek	Height (m) x Width (m): 2 x 13		Downstream Erosion (Y/N): Y
Road Type: Local/Street	Length (m): 10		Structure Conditions and Additional Comments: Only one XS on downstream side due to sediment and water depth.
Municipality: Rockford	U/S Invert Elev. (m): 212.2104	U/S Obvert Elev. (m): 214.14025	
Location (Road Name/Intersection): Concession Road 10	D/S Invert Elev. (m): 211.9613	D/S Obvert Elev. (m): 214.12645	
UTM Coordinates (LON, LAT): (77328.98267897102 , 4765898.45560993)	Inlet Type (Projecting/Mitered/Headwall): Headwall		
	Depth of Siltation (mm): 400		
Survey Vertical Datum: CGVD2013			

Location and Site Photographs

Site Location:





Upstream Face



Upstream Channel



Downstream Face



Downstream Channel

CROSSING DATA SHEET

Watershed and Location Information	Structure Configuration and Dimensions		Current Flow Information
Date (mm/dd/yyyy): 08/20/2025	Structure Type: Road Bridge	Shape: Rectangular	Flow Present (Y/N): Y
Field Crew: CM, HI	Number of Cells: 1	Open Footing (Yes/No): N	Approx. Depth of Water (mm): 150
ABL ID: ABL_20	Material (Concrete/Steel): Concrete		Upstream Erosion (Y/N): Y
Creek Name: Nanticoke Creek	Height (m) x Width (m): 3.3 x 10.5		Downstream Erosion (Y/N): Y
Road Type: Local/Street	Length (m): 10		Structure Conditions and Additional Comments:
Municipality: Villa Nova	U/S Invert Elev. (m): 214.11	U/S Obvert Elev. (m): 217.4176	
Location (Road Name/Intersection): Villa Nova Road	D/S Invert Elev. (m): 214.0539	D/S Obvert Elev. (m): 217.4826	
UTM Coordinates (LON, LAT): (75519.49481786386 , 4766308.521458882)	Inlet Type (Projecting/Mitered/Headwall): Headwall		
	Depth of Siltation (mm): 75		
Survey Vertical Datum: CGVD2013			

Location and Site Photographs

Site Location:





Upstream Face



Upstream Channel



Downstream Face



Downstream Channel

CROSSING DATA SHEET

Watershed and Location Information	Structure Configuration and Dimensions		Current Flow Information
Date (mm/dd/yyyy): 08/20/2025	Structure Type: Road Bridge,	Shape: Rectangular	Flow Present (Y/N): Y
Field Crew: CM, HI	Number of Cells: 1	Open Footing (Yes/No): Y	Approx. Depth of Water (mm): 100
ABL ID: ABL_21	Material (Concrete/Steel): Concrete		Upstream Erosion (Y/N): N
Creek Name: Nanticoke Creek	Height (m) x Width (m): 2.1 x 6		Downstream Erosion (Y/N): Y
Road Type: Local/Street	Length (m): 13		Structure Conditions and Additional Comments:
Municipality: Villa Nova	U/S Invert Elev. (m): 215.3141	U/S Obvert Elev. (m): 217.4213	
Location (Road Name/Intersection): Villa Nova Road	D/S Invert Elev. (m): 215.18	D/S Obvert Elev. (m): 217.4312	
UTM Coordinates (LON, LAT): (75459.90190319094 , 4766593.593423317)	Inlet Type (Projecting/Mitered/Headwall): Headwall		
	Depth of Siltation (mm): 70		
Survey Vertical Datum: CGVD2013			

Location and Site Photographs

Site Location:





Upstream Face



Upstream Channel



Downstream Face



Downstream Channel

APPENDIX B – HEC-RAS MODEL OUTPUT RESULTS

Project Name: Nanticoke Creek FHM
Project No.: 68044
River: Nanticoke Creek

B-1 HEC-RAS Hydraulic Output Summary
Model Scenario: Scenario A - AEP Stillwater TWC + 2-yr Q

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-3	8113	25-year	18.5	218.63	219.77		219.92	0.00427	1.91	12.79	18.19	0.67	0.67
Main-3	8113	50-year	24	218.63	219.87		220.07	0.004781	2.18	14.63	18.24	0.72	0.72
Main-3	8113	100-year	29.8	218.63	219.96		220.21	0.005311	2.44	16.3	18.27	0.77	0.77
Main-3	8113	200-year	36.1	218.63	220.04		220.35	0.005875	2.71	17.87	18.3	0.82	0.82
Main-3	8113	350-year	41.4	218.63	220.1		220.46	0.00644	2.94	18.96	18.31	0.86	0.86
Main-3	8113	500-year	45	218.63	220.14	220.03	220.54	0.006846	3.09	19.62	18.32	0.9	0.9
Main-3	8113	1000-year	52.1	218.63	220.2	220.12	220.68	0.007704	3.39	20.77	18.34	0.96	0.96
Main-3	8113	Hazel	147.9	218.63	221.2	221.2	222.33	0.008599	5.26	39.22	18.6	1.12	1.12
Main-3	8000	25-year	18.5	218.66	219.6		219.65	0.001395	1.1	26.01	44.21	0.39	0.39
Main-3	8000	50-year	24	218.66	219.7		219.76	0.001467	1.23	30.85	45.08	0.4	0.4
Main-3	8000	100-year	29.8	218.66	219.8		219.87	0.001567	1.35	35.31	47.68	0.42	0.42
Main-3	8000	200-year	36.1	218.66	219.9		219.98	0.001641	1.47	40.19	50.18	0.44	0.44
Main-3	8000	350-year	41.4	218.66	219.98		220.07	0.001684	1.56	44.02	51.09	0.45	0.45
Main-3	8000	500-year	45	218.66	220.02		220.12	0.001708	1.61	46.55	51.62	0.46	0.46
Main-3	8000	1000-year	52.1	218.66	220.12		220.22	0.001748	1.71	51.37	52.66	0.47	0.47
Main-3	8000	Hazel	147.9	218.66	220.99		221.23	0.002173	2.65	104.37	71.59	0.57	0.57
Main-3	7988	25-year	18.5	218.59	219.4		219.46	0.002888	1.4	24.9	62.28	0.54	0.54
Main-3	7988	50-year	24	218.59	219.51		219.57	0.002759	1.51	31.78	64.49	0.54	0.54
Main-3	7988	100-year	29.8	218.59	219.61		219.68	0.002562	1.58	38.7	65.75	0.53	0.53
Main-3	7988	200-year	36.1	218.59	219.71		219.79	0.002442	1.66	45.56	67.37	0.52	0.52
Main-3	7988	350-year	41.4	218.59	219.79		219.87	0.002361	1.71	50.96	68.26	0.52	0.52
Main-3	7988	500-year	45	218.59	219.85		219.93	0.002308	1.75	54.53	68.83	0.52	0.52
Main-3	7988	1000-year	52.1	218.59	219.94		220.03	0.002212	1.81	61.36	69.78	0.52	0.52
Main-3	7988	Hazel	147.9	218.59	220.85		221	0.002149	2.56	129.36	84.08	0.56	0.56
Main-3	7872	25-year	18.5	218.12	219.34		219.35	0.000404	0.6	73.47	116.53	0.2	0.2
Main-3	7872	50-year	24	218.12	219.46		219.46	0.000407	0.65	86.76	118.15	0.21	0.21
Main-3	7872	100-year	29.8	218.12	219.57		219.58	0.000407	0.7	99.87	120.04	0.21	0.21
Main-3	7872	200-year	36.1	218.12	219.67		219.68	0.000412	0.75	112.69	121.78	0.22	0.22
Main-3	7872	350-year	41.4	218.12	219.75		219.77	0.000416	0.78	122.7	122.69	0.22	0.22
Main-3	7872	500-year	45	218.12	219.81		219.82	0.000417	0.8	129.3	123.15	0.22	0.22
Main-3	7872	1000-year	52.1	218.12	219.91		219.92	0.000422	0.85	141.82	125.08	0.23	0.23
Main-3	7872	Hazel	147.9	218.12	220.84		220.87	0.000502	1.29	263.36	135.86	0.27	0.27
Main-3	7728	25-year	18.5	218.14	219.29		219.3	0.000743	0.75	58.91	105.39	0.27	0.27
Main-3	7728	50-year	24	218.14	219.4		219.41	0.000696	0.78	71.14	106.07	0.27	0.27
Main-3	7728	100-year	29.8	218.14	219.51		219.53	0.000662	0.81	83.06	106.8	0.26	0.26
Main-3	7728	200-year	36.1	218.14	219.62		219.63	0.000652	0.84	94.42	108.03	0.27	0.27
Main-3	7728	350-year	41.4	218.14	219.7		219.72	0.000648	0.87	103.32	108.97	0.27	0.27
Main-3	7728	500-year	45	218.14	219.76		219.77	0.000652	0.89	109.18	110.54	0.27	0.27
Main-3	7728	1000-year	52.1	218.14	219.86		219.87	0.000649	0.94	120.4	112.63	0.27	0.27
Main-3	7728	Hazel	147.9	218.14	220.78		220.81	0.000711	1.43	236.91	136.33	0.31	0.31
Main-3	7600	25-year	18.5	218.03	219.25		219.26	0.000417	0.7	53.35	60.84	0.22	0.22
Main-3	7600	50-year	24	218.03	219.36		219.37	0.000488	0.8	60.13	62.39	0.24	0.24
Main-3	7600	100-year	29.8	218.03	219.46		219.48	0.000574	0.92	66.91	66.48	0.26	0.26
Main-3	7600	200-year	36.1	218.03	219.56		219.59	0.000637	1.02	73.66	68.22	0.28	0.28
Main-3	7600	350-year	41.4	218.03	219.64		219.67	0.000677	1.1	79.04	68.89	0.29	0.29
Main-3	7600	500-year	45	218.03	219.69		219.72	0.00071	1.15	82.53	70.19	0.3	0.3
Main-3	7600	1000-year	52.1	218.03	219.79		219.82	0.000752	1.23	89.36	71.24	0.31	0.31
Main-3	7600	Hazel	147.9	218.03	220.65		220.74	0.001203	2.08	155.64	81.73	0.42	0.42
Main-3	7500	25-year	18.5	218.09	219.16		219.19	0.001208	1.04	45.42	111.85	0.36	0.36
Main-3	7500	50-year	24	218.09	219.27		219.3	0.001058	1.05	58.2	113.57	0.34	0.34

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-3	7500	100-year	29.8	218.09	219.38		219.41	0.000985	1.09	70.32	118.46	0.33	0.33
Main-3	7500	200-year	36.1	218.09	219.48		219.51	0.000933	1.12	82.65	123.05	0.33	0.33
Main-3	7500	350-year	41.4	218.09	219.56		219.59	0.000894	1.15	92.64	125.98	0.33	0.33
Main-3	7500	500-year	45	218.09	219.61		219.64	0.000873	1.17	99.04	127.24	0.33	0.33
Main-3	7500	1000-year	52.1	218.09	219.71		219.74	0.00083	1.19	111.8	130.14	0.32	0.32
Main-3	7500	Hazel	147.9	218.09	220.58		220.63	0.000788	1.61	236.85	155.7	0.34	0.34
Main-3	7260	25-year	18.5	218.01	219.12		219.12	0.000329	0.59	75.63	113.41	0.19	0.19
Main-3	7260	50-year	24	218.01	219.23		219.24	0.000343	0.65	88.66	115.21	0.2	0.2
Main-3	7260	100-year	29.8	218.01	219.33		219.34	0.000358	0.7	100.86	116.85	0.2	0.2
Main-3	7260	200-year	36.1	218.01	219.44		219.45	0.000374	0.76	112.84	118.46	0.21	0.21
Main-3	7260	350-year	41.4	218.01	219.52		219.53	0.000383	0.8	122.36	119.15	0.22	0.22
Main-3	7260	500-year	45	218.01	219.57		219.58	0.000391	0.83	128.37	119.88	0.22	0.22
Main-3	7260	1000-year	52.1	218.01	219.67		219.68	0.000401	0.87	140.34	121.62	0.22	0.22
Main-3	7260	Hazel	147.9	218.01	220.53		220.56	0.000566	1.4	250.41	135.06	0.29	0.29
Main-3	7259	25-year	18.5	217.98	219.07		219.08	0.000487	0.73	76.75	164.23	0.23	0.23
Main-3	7259	50-year	24	217.98	219.18		219.19	0.000478	0.77	96.76	188.77	0.23	0.23
Main-3	7259	100-year	29.8	217.98	219.29		219.3	0.00043	0.78	117.81	197.66	0.22	0.22
Main-3	7259	200-year	36.1	217.98	219.4		219.4	0.000397	0.79	138.71	203.89	0.22	0.22
Main-3	7259	350-year	41.4	217.98	219.48		219.49	0.000381	0.81	155.51	209.76	0.22	0.22
Main-3	7259	500-year	45	217.98	219.53		219.54	0.000371	0.81	166.31	212.28	0.21	0.21
Main-3	7259	1000-year	52.1	217.98	219.63		219.64	0.000354	0.83	188.05	220.45	0.21	0.21
Main-3	7259	Hazel	147.9	217.98	220.5		220.51	0.000305	1.04	441.37	352.12	0.21	0.21
Main-3	7205	25-year	18.5	217.9	219.03		219.04	0.000384	0.66	78.35	141.45	0.21	0.21
Main-3	7205	50-year	24	217.9	219.14		219.15	0.000374	0.69	95.08	147.65	0.21	0.21
Main-3	7205	100-year	29.8	217.9	219.25		219.26	0.000368	0.73	111.58	153.32	0.21	0.21
Main-3	7205	200-year	36.1	217.9	219.36		219.37	0.000366	0.77	128.03	159	0.21	0.21
Main-3	7205	350-year	41.4	217.9	219.44		219.45	0.000361	0.79	141.16	160.8	0.21	0.21
Main-3	7205	500-year	45	217.9	219.49		219.5	0.000362	0.81	149.47	163.57	0.21	0.21
Main-3	7205	1000-year	52.1	217.9	219.59		219.6	0.000358	0.85	166.3	168.65	0.21	0.21
Main-3	7205	Hazel	147.9	217.9	220.46		220.48	0.000424	1.23	330.55	216.98	0.25	0.25
Main-3	7066	25-year	18.5	217.81	219		219	0.000137	0.39	127.37	183.82	0.12	0.12
Main-3	7066	50-year	24	217.81	219.12		219.12	0.000142	0.42	148.81	187.79	0.13	0.13
Main-3	7066	100-year	29.8	217.81	219.23		219.23	0.000153	0.47	170.65	208.09	0.13	0.13
Main-3	7066	200-year	36.1	217.81	219.33		219.33	0.000157	0.5	192.87	215.45	0.14	0.14
Main-3	7066	350-year	41.4	217.81	219.41		219.42	0.000159	0.52	210.84	220.62	0.14	0.14
Main-3	7066	500-year	45	217.81	219.46		219.47	0.000161	0.54	222.19	223.9	0.14	0.14
Main-3	7066	1000-year	52.1	217.81	219.57		219.57	0.000161	0.56	245.14	227.73	0.14	0.14
Main-3	7066	Hazel	147.9	217.81	220.43		220.44	0.000207	0.86	463.39	308.59	0.18	0.18
Main-3	6877	25-year	18.5	217.79	218.98		218.99	0.000106	0.35	129.55	177.38	0.11	0.11
Main-3	6877	50-year	24	217.79	219.1		219.1	0.000114	0.39	150.01	179.76	0.12	0.12
Main-3	6877	100-year	29.8	217.79	219.21		219.21	0.000121	0.43	171.48	238.47	0.12	0.12
Main-3	6877	200-year	36.1	217.79	219.31		219.31	0.000125	0.46	198.48	273.88	0.12	0.12
Main-3	6877	350-year	41.4	217.79	219.39		219.4	0.000128	0.48	221.37	286.4	0.13	0.13
Main-3	6877	500-year	45	217.79	219.44		219.45	0.00013	0.5	236.17	294.16	0.13	0.13
Main-3	6877	1000-year	52.1	217.79	219.55		219.55	0.000136	0.53	266.35	300.74	0.13	0.13
Main-3	6877	Hazel	147.9	217.79	220.41		220.41	0.000146	0.73	545.54	343.29	0.15	0.15
Main-3	6705	25-year	27.3	217.73	218.93		218.94	0.000459	0.73	89.75	109.32	0.23	0.23
Main-3	6705	50-year	34.9	217.73	219.04		219.05	0.000503	0.81	101.78	110.27	0.24	0.24
Main-3	6705	100-year	42.9	217.73	219.14		219.16	0.000543	0.89	113.13	110.9	0.25	0.25
Main-3	6705	200-year	51.5	217.73	219.24		219.26	0.00058	0.97	124.29	111.41	0.26	0.26
Main-3	6705	350-year	58.8	217.73	219.32		219.34	0.000608	1.03	133.08	112.04	0.27	0.27
Main-3	6705	500-year	63.5	217.73	219.37		219.39	0.000623	1.07	138.61	112.41	0.28	0.28
Main-3	6705	1000-year	73.2	217.73	219.47		219.49	0.000652	1.14	149.45	112.96	0.29	0.29
Main-3	6705	Hazel	189.3	217.73	220.3		220.35	0.000903	1.77	245.21	117.64	0.36	0.36
Main-3	6578	25-year	27.3	217.7	218.88		218.9	0.000684	0.81	80.59	116.42	0.27	0.27
Main-3	6578	50-year	34.9	217.7	218.99		219	0.000721	0.9	92.98	118.07	0.28	0.28
Main-3	6578	100-year	42.9	217.7	219.09		219.1	0.000754	0.97	104.78	119.55	0.29	0.29
Main-3	6578	200-year	51.5	217.7	219.19		219.2	0.00078	1.05	116.48	120.38	0.3	0.3

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-3	6578	350-year	58.8	217.7	219.26		219.28	0.000801	1.1	125.74	121.96	0.31	0.31
Main-3	6578	500-year	63.5	217.7	219.31		219.33	0.000815	1.14	131.61	122.49	0.31	0.31
Main-3	6578	1000-year	73.2	217.7	219.41		219.43	0.000834	1.21	143.21	123.79	0.32	0.32
Main-3	6578	Hazel	189.3	217.7	220.22		220.27	0.001039	1.81	251.96	141.48	0.38	0.38
Main-3	6400	25-year	27.3	217.64	218.7		218.73	0.001895	1.29	50.98	95.52	0.44	0.44
Main-3	6400	50-year	34.9	217.64	218.8		218.84	0.001858	1.38	60.91	99.03	0.45	0.45
Main-3	6400	100-year	42.9	217.64	218.9		218.94	0.001791	1.44	70.76	102.39	0.45	0.45
Main-3	6400	200-year	51.5	217.64	218.99		219.04	0.001737	1.51	80.75	104.64	0.45	0.45
Main-3	6400	350-year	58.8	217.64	219.07		219.12	0.0017	1.55	88.89	107.03	0.45	0.45
Main-3	6400	500-year	63.5	217.64	219.12		219.17	0.00168	1.58	93.92	107.85	0.45	0.45
Main-3	6400	1000-year	73.2	217.64	219.21		219.26	0.00165	1.64	103.89	110.42	0.45	0.45
Main-3	6400	Hazel	189.3	217.64	220		220.08	0.001566	2.17	200.91	136.76	0.47	0.47
Main-3	6300	25-year	27.3	217.58	218.61		218.63	0.000845	0.89	87.17	169.41	0.3	0.3
Main-3	6300	50-year	34.9	217.58	218.73		218.74	0.000753	0.91	106.53	174.47	0.29	0.29
Main-3	6300	100-year	42.9	217.58	218.83		218.84	0.000694	0.93	125.35	179.97	0.28	0.28
Main-3	6300	200-year	51.5	217.58	218.94		218.95	0.000659	0.96	144.08	185.77	0.28	0.28
Main-3	6300	350-year	58.8	217.58	219.02		219.03	0.000634	0.98	159.24	188.63	0.27	0.27
Main-3	6300	500-year	63.5	217.58	219.07		219.08	0.000623	1	168.53	191.47	0.27	0.27
Main-3	6300	1000-year	73.2	217.58	219.16		219.17	0.000604	1.03	186.95	195.56	0.27	0.27
Main-3	6300	Hazel	189.3	217.58	219.98		220	0.000546	1.32	362.58	234.12	0.28	0.28
Main-3	6184	25-year	27.3	217.56	218.56		218.57	0.0005	0.7	106.53	171.78	0.23	0.23
Main-3	6184	50-year	34.9	217.56	218.68		218.68	0.000471	0.74	126.82	174.12	0.23	0.23
Main-3	6184	100-year	42.9	217.56	218.79		218.79	0.000458	0.78	146.05	177.24	0.23	0.23
Main-3	6184	200-year	51.5	217.56	218.89		218.9	0.000455	0.82	164.81	186.13	0.23	0.23
Main-3	6184	350-year	58.8	217.56	218.97		218.98	0.000454	0.86	180.3	190.57	0.24	0.24
Main-3	6184	500-year	63.5	217.56	219.02		219.03	0.000454	0.88	189.67	194.15	0.24	0.24
Main-3	6184	1000-year	73.2	217.56	219.12		219.13	0.000457	0.92	208.61	200.79	0.24	0.24
Main-3	6184	Hazel	189.3	217.56	219.94		219.96	0.000475	1.26	393.64	249.49	0.27	0.27
Main-3	6095	25-year	27.3	217.39	218.49		218.5	0.000595	0.82	74.51	106.6	0.26	0.26
Main-3	6095	50-year	34.9	217.39	218.6		218.62	0.000617	0.89	87.1	109.22	0.27	0.27
Main-3	6095	100-year	42.9	217.39	218.71		218.73	0.000643	0.97	98.98	112.15	0.28	0.28
Main-3	6095	200-year	51.5	217.39	218.81		218.84	0.000664	1.04	110.46	114.16	0.29	0.29
Main-3	6095	350-year	58.8	217.39	218.89		218.92	0.000679	1.09	119.63	115.76	0.29	0.29
Main-3	6095	500-year	63.5	217.39	218.94		218.97	0.000691	1.13	125.1	116.78	0.3	0.3
Main-3	6095	1000-year	73.2	217.39	219.03		219.06	0.000713	1.19	135.98	118.07	0.3	0.3
Main-3	6095	Hazel	189.3	217.39	219.82		219.88	0.000918	1.78	236.13	140.92	0.37	0.37
Main-3	5991	25-year	27.3	217.23	218.44		218.45	0.00051	0.77	77.32	94.19	0.24	0.24
Main-3	5991	50-year	34.9	217.23	218.55		218.57	0.000555	0.86	88.08	95.06	0.26	0.26
Main-3	5991	100-year	42.9	217.23	218.66		218.68	0.000599	0.95	97.99	95.64	0.27	0.27
Main-3	5991	200-year	51.5	217.23	218.76		218.78	0.000646	1.03	107.43	96.27	0.28	0.28
Main-3	5991	350-year	58.8	217.23	218.83		218.86	0.000682	1.1	114.91	96.84	0.29	0.29
Main-3	5991	500-year	63.5	217.23	218.88		218.9	0.000706	1.14	119.3	97.14	0.3	0.3
Main-3	5991	1000-year	73.2	217.23	218.97		219	0.000752	1.23	128.02	97.76	0.31	0.31
Main-3	5991	Hazel	189.3	217.23	219.71		219.79	0.001218	2.02	206.15	114.83	0.42	0.42
Main-3	5892	25-year	27.3	217.2	218.39		218.41	0.000952	1	59.78	79.89	0.32	0.32
Main-3	5892	50-year	34.9	217.2	218.49		218.52	0.001029	1.11	68.68	84.98	0.34	0.34
Main-3	5892	100-year	42.9	217.2	218.59		218.62	0.00112	1.23	77.33	91.3	0.36	0.36
Main-3	5892	200-year	51.5	217.2	218.68		218.72	0.001194	1.33	86.24	100.26	0.38	0.38
Main-3	5892	350-year	58.8	217.2	218.76		218.8	0.001233	1.41	93.88	105.32	0.39	0.39
Main-3	5892	500-year	63.5	217.2	218.8		218.84	0.001263	1.45	98.48	107.82	0.39	0.39
Main-3	5892	1000-year	73.2	217.2	218.89		218.93	0.00131	1.54	107.95	113.88	0.4	0.4
Main-3	5892	Hazel	189.3	217.2	219.62		219.7	0.001551	2.19	204.74	146.04	0.47	0.47
Main-3	5831	25-year	27.3	217.12	218.31		218.35	0.001365	1.24	51.07	81.31	0.39	0.39
Main-3	5831	50-year	34.9	217.12	218.41		218.45	0.001468	1.37	59.38	83.72	0.41	0.41
Main-3	5831	100-year	42.9	217.12	218.5		218.55	0.001571	1.5	67.09	85.49	0.43	0.43
Main-3	5831	200-year	51.5	217.12	218.58		218.64	0.001684	1.62	74.44	87.11	0.45	0.45
Main-3	5831	350-year	58.8	217.12	218.65		218.72	0.001753	1.71	80.5	88.16	0.47	0.47
Main-3	5831	500-year	63.5	217.12	218.69		218.76	0.001809	1.77	83.95	88.66	0.48	0.48

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-3	5831	1000-year	73.2	217.12	218.77		218.85	0.001915	1.89	90.9	90.22	0.49	0.49
Main-3	5831	Hazel	189.3	217.12	219.41		219.58	0.002965	2.98	161.74	144.26	0.65	0.65
Main-3	5758	25-year	27.3	217.06	218.15		218.22	0.002756	1.61	41.5	84.14	0.54	0.54
Main-3	5758	50-year	34.9	217.06	218.24		218.32	0.002949	1.77	49.23	90.81	0.57	0.57
Main-3	5758	100-year	42.9	217.06	218.33		218.41	0.003026	1.89	57.17	95.48	0.58	0.58
Main-3	5758	200-year	51.5	217.06	218.4		218.49	0.003137	2.02	64.67	98.33	0.6	0.6
Main-3	5758	350-year	58.8	217.06	218.47		218.57	0.003159	2.1	71.23	101.32	0.61	0.61
Main-3	5758	500-year	63.5	217.06	218.5		218.6	0.003213	2.16	74.85	102.63	0.62	0.62
Main-3	5758	1000-year	73.2	217.06	218.58		218.68	0.003317	2.28	82.27	107.25	0.63	0.63
Main-3	5758	Hazel	189.3	217.06	219.23		219.37	0.00326	2.95	173.04	165.8	0.67	0.67
Main-3	5665	25-year	27.3	216.84	218.01		218.05	0.001649	1.36	55.01	103.66	0.43	0.43
Main-3	5665	50-year	34.9	216.84	218.09		218.13	0.001794	1.49	63.38	104.37	0.45	0.45
Main-3	5665	100-year	42.9	216.84	218.16		218.21	0.002048	1.66	70.85	109.81	0.48	0.48
Main-3	5665	200-year	51.5	216.84	218.23		218.29	0.002197	1.79	78.53	111.21	0.51	0.51
Main-3	5665	350-year	58.8	216.84	218.3		218.36	0.002161	1.84	86.38	111.95	0.51	0.51
Main-3	5665	500-year	63.5	216.84	218.33		218.39	0.002246	1.9	89.81	112.33	0.52	0.52
Main-3	5665	1000-year	73.2	216.84	218.39		218.46	0.002386	2.02	96.94	115.04	0.54	0.54
Main-3	5665	Hazel	189.3	216.84	218.99		219.13	0.003484	3.07	182.78	174.73	0.69	0.69
Main-3	5576	25-year	27.3	216.8	217.68		217.76	0.006069	1.96	39.49	118.84	0.76	0.76
Main-3	5576	50-year	34.9	216.8	217.75		217.83	0.005733	2.03	47.67	122.94	0.75	0.75
Main-3	5576	100-year	42.9	216.8	217.83		217.9	0.005016	2.03	58.37	145.47	0.72	0.72
Main-3	5576	200-year	51.5	216.8	217.9		217.97	0.004575	2.06	69.48	154.19	0.69	0.69
Main-3	5576	350-year	58.8	216.8	217.96		218.04	0.004861	2.21	78.51	158.15	0.72	0.72
Main-3	5576	500-year	63.5	216.8	218		218.07	0.004558	2.2	84.65	159.89	0.7	0.7
Main-3	5576	1000-year	73.2	216.8	218.06		218.14	0.004324	2.23	95.32	164.57	0.69	0.69
Main-3	5576	Hazel	189.3	216.8	218.72		218.79	0.002765	2.46	230.08	257.04	0.6	0.6
Main-3	5503	25-year	27.3	216.74	217.61		217.61	0.000812	0.7	103.45	227.75	0.28	0.28
Main-3	5503	50-year	34.9	216.74	217.67		217.68	0.000888	0.77	117.51	231.4	0.29	0.29
Main-3	5503	100-year	42.9	216.74	217.75		217.76	0.000846	0.81	137	241.48	0.29	0.29
Main-3	5503	200-year	51.5	216.74	217.83		217.84	0.000814	0.85	156.8	272.08	0.29	0.29
Main-3	5503	350-year	58.8	216.74	217.9		217.9	0.000775	0.87	174.96	283.37	0.29	0.29
Main-3	5503	500-year	63.5	216.74	217.93		217.94	0.000769	0.89	186.16	291.17	0.29	0.29
Main-3	5503	1000-year	73.2	216.74	218		218.01	0.000767	0.93	206.15	302.82	0.29	0.29
Main-3	5503	Hazel	189.3	216.74	218.68		218.69	0.000614	1.16	428.71	370.64	0.28	0.28
Main-3	5499	25-year	27.3	216.71	217.57		217.58	0.000535	0.6	118.61	227.18	0.23	0.23
Main-3	5499	50-year	34.9	216.71	217.63		217.63	0.000629	0.68	131.46	228.2	0.25	0.25
Main-3	5499	100-year	42.9	216.71	217.71		217.72	0.000614	0.73	150.9	230.71	0.25	0.25
Main-3	5499	200-year	51.5	216.71	217.79		217.8	0.000619	0.77	169.16	236.7	0.26	0.26
Main-3	5499	350-year	58.8	216.71	217.86		217.86	0.000629	0.82	184.83	242.03	0.26	0.26
Main-3	5499	500-year	63.5	216.71	217.9		217.9	0.00063	0.84	194.34	244.23	0.26	0.26
Main-3	5499	1000-year	73.2	216.71	217.96		217.97	0.000649	0.89	210.6	246.03	0.27	0.27
Main-3	5499	Hazel	189.3	216.71	218.64		218.65	0.000712	1.28	388.94	297.54	0.31	0.31
Main-3	5422	25-year	27.3	216.62	217.52		217.52	0.000587	0.69	115.38	235.6	0.25	0.25
Main-3	5422	50-year	34.9	216.62	217.56		217.57	0.000724	0.8	126.29	237.18	0.28	0.28
Main-3	5422	100-year	42.9	216.62	217.65		217.66	0.00068	0.83	147.22	240.86	0.27	0.27
Main-3	5422	200-year	51.5	216.62	217.73		217.74	0.000672	0.87	166.26	244.07	0.27	0.27
Main-3	5422	350-year	58.8	216.62	217.8		217.81	0.000654	0.89	182.43	246	0.27	0.27
Main-3	5422	500-year	63.5	216.62	217.84		217.85	0.000646	0.91	192.26	246.93	0.27	0.27
Main-3	5422	1000-year	73.2	216.62	217.9		217.91	0.00067	0.96	208.2	249.13	0.28	0.28
Main-3	5422	Hazel	189.3	216.62	218.57		218.59	0.000703	1.33	395.7	304.32	0.31	0.31
Main-3	5318	25-year	27.3	216.55	217.44		217.45	0.000608	0.71	112.22	224.71	0.25	0.25
Main-3	5318	50-year	34.9	216.55	217.47		217.47	0.000879	0.86	116.96	226.03	0.3	0.3
Main-3	5318	100-year	42.9	216.55	217.56		217.57	0.000792	0.88	138.75	232.41	0.29	0.29
Main-3	5318	200-year	51.5	216.55	217.64		217.65	0.000775	0.92	157.52	237.24	0.29	0.29
Main-3	5318	350-year	58.8	216.55	217.71		217.72	0.00075	0.95	173.86	238.94	0.29	0.29
Main-3	5318	500-year	63.5	216.55	217.75		217.76	0.000735	0.96	183.74	240.03	0.29	0.29
Main-3	5318	1000-year	73.2	216.55	217.81		217.82	0.000767	1.02	198.37	241.62	0.3	0.3
Main-3	5318	Hazel	189.3	216.55	218.48		218.5	0.000783	1.39	382.33	329.25	0.33	0.33

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-3	5254	25-year	27.3	216.52	217.41		217.41	0.000415	0.56	141.23	290.88	0.2	0.2
Main-3	5254	50-year	34.9	216.52	217.4		217.41	0.000689	0.72	140.45	290.78	0.26	0.26
Main-3	5254	100-year	42.9	216.52	217.51		217.51	0.000558	0.7	171.11	294.88	0.24	0.24
Main-3	5254	200-year	51.5	216.52	217.59		217.6	0.000526	0.73	195.65	297.98	0.24	0.24
Main-3	5254	350-year	58.8	216.52	217.66		217.67	0.000494	0.74	217.09	300.56	0.23	0.23
Main-3	5254	500-year	63.5	216.52	217.7		217.71	0.000481	0.75	229.92	302.79	0.23	0.23
Main-3	5254	1000-year	73.2	216.52	217.76		217.77	0.000506	0.8	247.7	305.33	0.24	0.24
Main-3	5254	Hazel	189.3	216.52	218.43		218.45	0.000501	1.08	473.42	382.13	0.26	0.26
Main-3	5201	25-year	27.3	216.41	217.35		217.36	0.000354	0.52	133.27	228.87	0.19	0.19
Main-3	5201	50-year	34.9	216.41	217.3		217.31	0.000777	0.74	121.45	227.74	0.28	0.28
Main-3	5201	100-year	42.9	216.41	217.43		217.43	0.000601	0.72	150.28	232.78	0.25	0.25
Main-3	5201	200-year	51.5	216.41	217.51		217.52	0.0006	0.77	170.79	259.48	0.26	0.26
Main-3	5201	350-year	58.8	216.41	217.58		217.59	0.000629	0.83	189.95	273.87	0.27	0.27
Main-3	5201	500-year	63.5	216.41	217.63		217.64	0.000614	0.84	202.26	281.44	0.26	0.26
Main-3	5201	1000-year	73.2	216.41	217.68		217.69	0.00066	0.9	217.53	293.66	0.28	0.28
Main-3	5201	Hazel	189.3	216.41	218.36		218.37	0.000556	1.14	446.06	362.23	0.27	0.27
Main-3	5142	25-year	27.3	216.39	217.34		217.34	0.000176	0.37	174.46	267.04	0.13	0.13
Main-3	5142	50-year	34.9	216.39	217.27		217.27	0.000366	0.5	156.6	254.28	0.19	0.19
Main-3	5142	100-year	42.9	216.39	217.4		217.4	0.00034	0.54	191.03	273.48	0.19	0.19
Main-3	5142	200-year	51.5	216.39	217.48		217.49	0.000354	0.59	214.84	293.78	0.2	0.2
Main-3	5142	350-year	58.8	216.39	217.56		217.56	0.000349	0.61	236.53	304.57	0.2	0.2
Main-3	5142	500-year	63.5	216.39	217.6		217.61	0.000345	0.63	250.33	309.59	0.2	0.2
Main-3	5142	1000-year	73.2	216.39	217.65		217.66	0.000384	0.68	266.15	315.59	0.21	0.21
Main-3	5142	Hazel	189.3	216.39	218.33		218.34	0.000406	0.98	501.81	386.31	0.24	0.24
Main-3	5066	25-year	27.3	216.33	217.29	217.01	217.31	0.001179	1.04	69.84	129.86	0.36	0.36
Main-3	5066	50-year	34.9	216.33	217.05	217.05	217.17	0.010572	2.49	39.15	124.19	1.01	1.01
Main-3	5066	100-year	42.9	216.33	217.36	217.09	217.37	0.000482	0.7	170.39	267.73	0.23	0.23
Main-3	5066	200-year	51.5	216.33	217.45	217.12	217.45	0.00048	0.74	192.85	275.72	0.23	0.23
Main-3	5066	350-year	58.8	216.33	217.52	217.16	217.53	0.00047	0.77	213.5	290.8	0.23	0.23
Main-3	5066	500-year	63.5	216.33	217.57	217.18	217.57	0.000458	0.78	226.89	295.87	0.23	0.23
Main-3	5066	1000-year	73.2	216.33	217.61	217.21	217.62	0.000511	0.84	240.85	302.79	0.25	0.25
Main-3	5066	Hazel	189.3	216.33	218.29	217.29	218.31	0.000472	1.1	466.52	348.21	0.26	0.26
Main-3	4877	25-year	27.3	216.78	217.1	216.8	217.11	0.002708	0.65	62.99	180.49	0.43	0.43
Main-3	4877	50-year	34.9	216.78	217.18	216.83	217.19	0.002489	0.75	77.22	191.54	0.44	0.44
Main-3	4877	100-year	42.9	216.78	217.26	216.87	217.28	0.002538	0.89	94.15	209.92	0.46	0.46
Main-3	4877	200-year	51.5	216.78	217.35	216.89	217.37	0.002116	0.94	113.49	219.52	0.43	0.43
Main-3	4877	350-year	58.8	216.78	217.43	216.93	217.45	0.001772	0.95	131.39	226.18	0.41	0.41
Main-3	4877	500-year	63.5	216.78	217.48	216.94	217.5	0.001595	0.96	142.83	229	0.39	0.39
Main-3	4877	1000-year	73.2	216.78	217.52	216.97	217.54	0.001774	1.05	151.28	230.69	0.42	0.42
Main-3	4877	Hazel	189.3	216.78	218.25	217.23	218.26	0.000548	0.96	466.03	368.3	0.26	0.26
Main-3	4798	25-year	27.3	216.29	217.02		217.03	0.001305	0.76	96.09	277.93	0.34	0.34
Main-3	4798	50-year	34.9	216.29	217.11		217.12	0.001049	0.76	122.05	292.26	0.31	0.31
Main-3	4798	100-year	42.9	216.29	217.21		217.21	0.000847	0.75	149.92	302.54	0.29	0.29
Main-3	4798	200-year	51.5	216.29	217.31		217.31	0.000687	0.74	181.11	311.98	0.27	0.27
Main-3	4798	350-year	58.8	216.29	217.4		217.4	0.000579	0.73	209.56	331.24	0.25	0.25
Main-3	4798	500-year	63.5	216.29	217.45		217.46	0.00053	0.73	227.73	342.12	0.24	0.24
Main-3	4798	1000-year	73.2	216.29	217.48		217.49	0.000617	0.8	238.89	349.8	0.26	0.26
Main-3	4798	Hazel	189.3	216.29	218.23		218.24	0.00041	0.96	526.73	411.26	0.23	0.23
Main-3	4797	25-year	27.3	216.12	216.96	216.68	216.97	0.000764	0.73	103.03	232.66	0.28	0.28
Main-3	4797	50-year	34.9	216.12	217.06	216.71	217.07	0.00067	0.75	126.05	234.94	0.26	0.26
Main-3	4797	100-year	42.9	216.12	217.16	216.74	217.17	0.000587	0.76	150.01	236.94	0.25	0.25
Main-3	4797	200-year	51.5	216.12	217.27	216.77	217.28	0.000516	0.77	175.73	240.61	0.24	0.24
Main-3	4797	350-year	58.8	216.12	217.37	216.79	217.37	0.000465	0.77	198.27	244.91	0.23	0.23
Main-3	4797	500-year	63.5	216.12	217.43	216.8	217.43	0.000321	0.66	264.28	340.62	0.2	0.2
Main-3	4797	1000-year	73.2	216.12	217.46	216.82	217.46	0.000382	0.74	273.99	341.97	0.21	0.21
Main-3	4797	Hazel	189.3	216.12	218.22	217.06	218.22	0.000305	0.91	540	358.82	0.21	0.21
Main-3	4765	25-year	27.3	216.06	216.93		216.94	0.000752	0.72	108.88	263.93	0.27	0.27

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-3	4765	50-year	34.9	216.06	217.03		217.04	0.000644	0.73	137.14	282.13	0.26	0.26
Main-3	4765	100-year	42.9	216.06	217.14		217.15	0.000549	0.73	167.72	305.1	0.24	0.24
Main-3	4765	200-year	51.5	216.06	217.25		217.26	0.000459	0.72	202.71	322.3	0.23	0.23
Main-3	4765	350-year	58.8	216.06	217.35		217.35	0.000399	0.72	234.14	335.62	0.21	0.21
Main-3	4765	500-year	63.5	216.06	217.41		217.42	0.000357	0.7	256.37	340.57	0.21	0.21
Main-3	4765	1000-year	73.2	216.06	217.44		217.44	0.00043	0.78	264.89	341.9	0.23	0.23
Main-3	4765	Hazel	189.3	216.06	218.2		218.21	0.000328	0.94	534.97	366.97	0.21	0.21
Main-3	4659	25-year	27.3	215.95	216.9		216.9	0.000606	0.71	119.1	299.34	0.25	0.25
Main-3	4659	50-year	34.9	215.95	217.01		217.01	0.000484	0.69	152.95	315.64	0.23	0.23
Main-3	4659	100-year	42.9	215.95	217.12		217.12	0.000398	0.68	188.09	322.07	0.21	0.21
Main-3	4659	200-year	51.5	215.95	217.23		217.24	0.000332	0.66	225.86	329.72	0.2	0.2
Main-3	4659	350-year	58.8	215.95	217.33		217.33	0.000289	0.65	258.56	337.43	0.19	0.19
Main-3	4659	500-year	63.5	215.95	217.4		217.4	0.000262	0.64	281.49	344.9	0.18	0.18
Main-3	4659	1000-year	73.2	215.95	217.42		217.42	0.000323	0.72	289.03	350.53	0.2	0.2
Main-3	4659	Hazel	189.3	215.95	218.18		218.19	0.000289	0.92	582.89	409.34	0.2	0.2
Main-3	4595	25-year	27.3	215.85	216.88		216.88	0.000263	0.49	170.77	355.85	0.17	0.17
Main-3	4595	50-year	34.9	215.85	216.99		216.99	0.000229	0.49	211.68	365.14	0.16	0.16
Main-3	4595	100-year	42.9	215.85	217.1		217.11	0.000204	0.5	253.38	375.05	0.15	0.15
Main-3	4595	200-year	51.5	215.85	217.22		217.22	0.000179	0.5	298.13	383.98	0.14	0.14
Main-3	4595	350-year	58.8	215.85	217.32		217.32	0.000161	0.5	337	396.13	0.14	0.14
Main-3	4595	500-year	63.5	215.85	217.39		217.39	0.000149	0.5	364.11	398.98	0.13	0.13
Main-3	4595	1000-year	73.2	215.85	217.41		217.41	0.000186	0.56	371.93	400.36	0.15	0.15
Main-3	4595	Hazel	189.3	215.85	218.17		218.18	0.000187	0.75	697.06	454.13	0.16	0.16
Main-3	4482	25-year	27.3	215.86	216.87		216.87	0.000178	0.4	200.64	371.86	0.14	0.14
Main-3	4482	50-year	34.9	215.86	216.98		216.98	0.000162	0.41	243.8	379.49	0.13	0.13
Main-3	4482	100-year	42.9	215.86	217.09		217.1	0.000148	0.42	287.39	389.88	0.13	0.13
Main-3	4482	200-year	51.5	215.86	217.21		217.21	0.000133	0.43	334.09	395.56	0.13	0.13
Main-3	4482	350-year	58.8	215.86	217.31		217.31	0.000122	0.44	373.96	402.49	0.12	0.12
Main-3	4482	500-year	63.5	215.86	217.38		217.38	0.000114	0.44	401.71	404.47	0.12	0.12
Main-3	4482	1000-year	73.2	215.86	217.4		217.4	0.000143	0.49	408.98	404.64	0.13	0.13
Main-3	4482	Hazel	189.3	215.86	218.17		218.17	0.000152	0.68	724.06	419.51	0.15	0.15
Main-3	4427	25-year	27.3	215.82	216.86		216.86	0.000271	0.49	161.16	306.49	0.17	0.17
Main-3	4427	50-year	34.9	215.82	216.97		216.97	0.000241	0.51	197.53	319.92	0.16	0.16
Main-3	4427	100-year	42.9	215.82	217.09		217.09	0.00022	0.52	234.52	329.88	0.16	0.16
Main-3	4427	200-year	51.5	215.82	217.21		217.21	0.00021	0.54	274.81	344.48	0.16	0.16
Main-3	4427	350-year	58.8	215.82	217.31		217.31	0.000186	0.54	309.86	348.96	0.15	0.15
Main-3	4427	500-year	63.5	215.82	217.38		217.38	0.000174	0.54	334.06	351.01	0.15	0.15
Main-3	4427	1000-year	73.2	215.82	217.39		217.39	0.000219	0.61	339.78	351.36	0.16	0.16
Main-3	4427	Hazel	189.3	215.82	218.16		218.16	0.000221	0.82	616.4	372.32	0.18	0.18
Main-3	4355	25-year	27.3	215.77	216.85		216.85	0.000232	0.47	160.96	294.93	0.16	0.16
Main-3	4355	50-year	34.9	215.77	216.96		216.97	0.000214	0.49	195.85	306.75	0.15	0.15
Main-3	4355	100-year	42.9	215.77	217.08		217.08	0.000198	0.51	231.68	316.72	0.15	0.15
Main-3	4355	200-year	51.5	215.77	217.2		217.2	0.000181	0.52	270.12	323.3	0.15	0.15
Main-3	4355	350-year	58.8	215.77	217.3		217.3	0.000166	0.52	303.11	327.17	0.14	0.14
Main-3	4355	500-year	63.5	215.77	217.37		217.37	0.000156	0.52	325.98	331.05	0.14	0.14
Main-3	4355	1000-year	73.2	215.77	217.38		217.39	0.000199	0.59	330.92	332.02	0.16	0.16
Main-3	4355	Hazel	189.3	215.77	218.15		218.16	0.000223	0.84	598.9	365.47	0.18	0.18
Main-3	4097	25-year	27.3	215.63	216.79		216.81	0.000601	0.84	85.19	176.08	0.26	0.26
Main-3	4097	50-year	34.9	215.63	216.92		216.93	0.000554	0.87	107.17	186.66	0.26	0.26
Main-3	4097	100-year	42.9	215.63	217.03		217.05	0.000521	0.9	130	199.22	0.25	0.25
Main-3	4097	200-year	51.5	215.63	217.16		217.17	0.000474	0.91	155.37	208.21	0.24	0.24
Main-3	4097	350-year	58.8	215.63	217.26		217.28	0.000433	0.91	177.66	216.67	0.24	0.24
Main-3	4097	500-year	63.5	215.63	217.33		217.35	0.000405	0.91	193.43	223.27	0.23	0.23
Main-3	4097	1000-year	73.2	215.63	217.34		217.36	0.00053	1.04	194.41	223.46	0.26	0.26
Main-3	4097	Hazel	189.3	215.63	218.1		218.13	0.000535	1.36	375.24	243.43	0.28	0.28
Main-3	4005	25-year	27.3	215.56	216.76		216.77	0.000366	0.67	99.63	184.11	0.21	0.21
Main-3	4005	50-year	34.9	215.56	216.88		216.89	0.000368	0.72	122.65	195.11	0.21	0.21
Main-3	4005	100-year	42.9	215.56	217		217.01	0.00036	0.76	146.65	207.11	0.21	0.21

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-3	4005	200-year	51.5	215.56	217.13		217.14	0.000332	0.78	173.5	213.88	0.21	0.21
Main-3	4005	350-year	58.8	215.56	217.24		217.25	0.000309	0.79	196.8	221.54	0.2	0.2
Main-3	4005	500-year	63.5	215.56	217.31		217.32	0.000286	0.78	213.27	223.11	0.19	0.19
Main-3	4005	1000-year	73.2	215.56	217.31		217.32	0.000385	0.9	212.35	223.07	0.23	0.23
Main-3	4005	Hazel	189.3	215.56	218.06		218.09	0.000439	1.25	391.42	247.96	0.26	0.26
Main-3	3883	25-year	27.3	215.59	216.71		216.72	0.000511	0.73	94.87	159.79	0.24	0.24
Main-3	3883	50-year	34.9	215.59	216.84		216.85	0.000469	0.76	115.67	172.27	0.23	0.23
Main-3	3883	100-year	42.9	215.59	216.96		216.97	0.000433	0.78	137.04	177.85	0.23	0.23
Main-3	3883	200-year	51.5	215.59	217.09		217.1	0.000426	0.83	160.37	183.9	0.23	0.23
Main-3	3883	350-year	58.8	215.59	217.2		217.21	0.000385	0.83	180.93	185.82	0.22	0.22
Main-3	3883	500-year	63.5	215.59	217.28		217.29	0.000355	0.83	195.2	186.66	0.21	0.21
Main-3	3883	1000-year	73.2	215.59	217.26		217.28	0.000496	0.97	192.12	186.48	0.25	0.25
Main-3	3883	Hazel	189.3	215.59	218.01		218.04	0.000599	1.39	339.13	205.73	0.3	0.3
Main-3	3755	25-year	27.3	215.52	216.67		216.68	0.0005	0.73	96.59	167.01	0.24	0.24
Main-3	3755	50-year	34.9	215.52	216.8		216.81	0.000445	0.75	118.55	169.49	0.23	0.23
Main-3	3755	100-year	42.9	215.52	216.93		216.94	0.000405	0.77	139.99	170.44	0.22	0.22
Main-3	3755	200-year	51.5	215.52	217.06		217.07	0.000371	0.79	162.55	172.68	0.21	0.21
Main-3	3755	350-year	58.8	215.52	217.17		217.18	0.000341	0.8	182.35	174.47	0.21	0.21
Main-3	3755	500-year	63.5	215.52	217.25		217.26	0.000317	0.79	196.13	174.99	0.2	0.2
Main-3	3755	1000-year	73.2	215.52	217.22		217.24	0.000455	0.94	191.26	174.82	0.24	0.24
Main-3	3755	Hazel	189.3	215.52	217.96		217.99	0.000599	1.4	322.81	182.74	0.3	0.3
Main-3	3679	25-year	27.3	215.55	216.63		216.64	0.000399	0.63	103	158.1	0.21	0.21
Main-3	3679	50-year	34.9	215.55	216.76		216.77	0.000364	0.66	124.4	159.09	0.2	0.2
Main-3	3679	100-year	42.9	215.55	216.89		216.9	0.00034	0.69	144.99	159.89	0.2	0.2
Main-3	3679	200-year	51.5	215.55	217.03		217.03	0.000318	0.72	166.44	161.14	0.2	0.2
Main-3	3679	350-year	58.8	215.55	217.14		217.15	0.000295	0.73	185.38	168.08	0.19	0.19
Main-3	3679	500-year	63.5	215.55	217.22		217.23	0.000277	0.73	199.08	170.99	0.19	0.19
Main-3	3679	1000-year	73.2	215.55	217.18		217.2	0.000411	0.88	192.08	169.27	0.23	0.23
Main-3	3679	Hazel	189.3	215.55	217.9		217.93	0.000597	1.37	322.41	190.12	0.3	0.3
Main-3	3490	25-year	27.3	215.54	216.57		216.58	0.000393	0.65	112.53	188.3	0.21	0.21
Main-3	3490	50-year	34.9	215.54	216.72		216.72	0.000341	0.66	139.77	198.36	0.2	0.2
Main-3	3490	100-year	42.9	215.54	216.85		216.86	0.000318	0.69	166.73	206.67	0.2	0.2
Main-3	3490	200-year	51.5	215.54	216.99		216.99	0.000283	0.7	195.68	211.02	0.19	0.19
Main-3	3490	350-year	58.8	215.54	217.11		217.11	0.000255	0.7	221.57	221.94	0.18	0.18
Main-3	3490	500-year	63.5	215.54	217.19		217.2	0.000233	0.69	240.9	241.2	0.18	0.18
Main-3	3490	1000-year	73.2	215.54	217.13		217.14	0.000367	0.85	227.23	225.23	0.22	0.22
Main-3	3490	Hazel	189.3	215.54	217.84		217.86	0.000477	1.25	420.56	312.11	0.27	0.27
Main-3	3418	25-year	27.3	215.5	216.56		216.56	0.00015	0.37	150.93	249.25	0.13	0.13
Main-3	3418	50-year	34.9	215.5	216.7		216.71	0.000132	0.39	187.47	260.99	0.12	0.12
Main-3	3418	100-year	42.9	215.5	216.84		216.84	0.000121	0.4	223.16	269.03	0.12	0.12
Main-3	3418	200-year	51.5	215.5	216.98		216.98	0.00011	0.42	261.15	274.04	0.12	0.12
Main-3	3418	350-year	58.8	215.5	217.1		217.1	0.000101	0.42	294.76	280.83	0.11	0.11
Main-3	3418	500-year	63.5	215.5	217.18		217.19	0.000096	0.43	319.03	294.97	0.11	0.11
Main-3	3418	1000-year	73.2	215.5	217.12		217.13	0.000149	0.52	300.65	284.65	0.14	0.14
Main-3	3418	Hazel	189.3	215.5	217.82		217.84	0.00021	0.8	519.47	331.21	0.17	0.17
Main-3	3253	25-year	27.3	215.53	216.54		216.54	0.000203	0.44	158.95	241.35	0.15	0.15
Main-3	3253	50-year	34.9	215.53	216.69		216.69	0.000176	0.45	194.46	245.88	0.14	0.14
Main-3	3253	100-year	42.9	215.53	216.82		216.82	0.000161	0.47	228.22	249.77	0.14	0.14
Main-3	3253	200-year	51.5	215.53	216.96		216.97	0.000146	0.48	263.61	251.59	0.13	0.13
Main-3	3253	350-year	58.8	215.53	217.09		217.09	0.000136	0.49	294.81	257.05	0.13	0.13
Main-3	3253	500-year	63.5	215.53	217.17		217.17	0.000127	0.49	316.91	260.85	0.13	0.13
Main-3	3253	1000-year	73.2	215.53	217.1		217.11	0.000203	0.6	298.69	258.53	0.16	0.16
Main-3	3253	Hazel	189.3	215.53	217.8		217.81	0.000301	0.95	485.95	277.81	0.21	0.21
Main-3	3057	25-year	27.3	215.51	216.52		216.52	0.000326	0.53	133.73	208.76	0.18	0.18
Main-3	3057	50-year	34.9	215.51	216.67		216.67	0.000284	0.55	165.67	221.93	0.18	0.18
Main-3	3057	100-year	42.9	215.51	216.81		216.81	0.000253	0.57	196.75	228.5	0.17	0.17
Main-3	3057	200-year	51.5	215.51	216.95		216.95	0.000223	0.58	229.7	231.26	0.16	0.16
Main-3	3057	350-year	58.8	215.51	217.07		217.08	0.0002	0.58	258.5	233.63	0.16	0.16

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-3	3057	500-year	63.5	215.51	217.16		217.16	0.000184	0.58	278.72	235.83	0.15	0.15
Main-3	3057	1000-year	73.2	215.51	217.08		217.09	0.000302	0.72	260.49	233.8	0.19	0.19
Main-3	3057	Hazel	189.3	215.51	217.77		217.78	0.000432	1.12	426.26	249.31	0.25	0.25
Main-3	2877	25-year	27.3	215.46	216.49		216.5	0.000392	0.61	115.81	175.53	0.21	0.21
Main-3	2877	50-year	34.9	215.46	216.64		216.65	0.000334	0.63	143.01	180.68	0.19	0.19
Main-3	2877	100-year	42.9	215.46	216.78		216.79	0.0003	0.64	168.56	183.11	0.19	0.19
Main-3	2877	200-year	51.5	215.46	216.93		216.94	0.000272	0.66	195.36	186.11	0.18	0.18
Main-3	2877	350-year	58.8	215.46	217.06		217.06	0.000249	0.67	218.92	189.02	0.18	0.18
Main-3	2877	500-year	63.5	215.46	217.14		217.15	0.000231	0.68	235.51	191.11	0.17	0.17
Main-3	2877	1000-year	73.2	215.46	217.05		217.06	0.000387	0.84	218.74	189	0.22	0.22
Main-3	2877	Hazel	189.3	215.46	217.72		217.75	0.000602	1.35	349.87	202.49	0.29	0.29
Main-3	2801	25-year	27.3	215.4	216.47		216.48	0.000612	0.77	96.96	173.74	0.25	0.25
Main-3	2801	50-year	34.9	215.4	216.63		216.63	0.000474	0.74	124.95	180.52	0.23	0.23
Main-3	2801	100-year	42.9	215.4	216.77		216.78	0.000406	0.73	151.13	185.41	0.21	0.21
Main-3	2801	200-year	51.5	215.4	216.92		216.92	0.000354	0.73	179.06	191.51	0.2	0.2
Main-3	2801	350-year	58.8	215.4	217.04		217.05	0.000311	0.72	203.63	194.26	0.19	0.19
Main-3	2801	500-year	63.5	215.4	217.13		217.14	0.000284	0.71	220.96	196.97	0.19	0.19
Main-3	2801	1000-year	73.2	215.4	217.03		217.05	0.000494	0.9	202.03	194.04	0.24	0.24
Main-3	2801	Hazel	189.3	215.4	217.69		217.72	0.000819	1.47	345.65	260.35	0.33	0.33
Main-3	2764	25-year	27.3	215.46	216.44		216.45	0.000298	0.5	129.62	193.06	0.18	0.18
Main-3	2764	50-year	34.9	215.46	216.61		216.61	0.00025	0.51	161.32	195.8	0.17	0.17
Main-3	2764	100-year	42.9	215.46	216.75		216.76	0.000228	0.54	190.18	201.62	0.16	0.16
Main-3	2764	200-year	51.5	215.46	216.9		216.91	0.000206	0.56	220.46	204.63	0.16	0.16
Main-3	2764	350-year	58.8	215.46	217.03		217.03	0.000188	0.57	246.98	208.06	0.15	0.15
Main-3	2764	500-year	63.5	215.46	217.12		217.12	0.000175	0.57	265.7	210.03	0.15	0.15
Main-3	2764	1000-year	73.2	215.46	217.01		217.02	0.000303	0.71	243.63	207.05	0.19	0.19
Main-3	2764	Hazel	189.3	215.46	217.66		217.68	0.0005	1.19	382.05	222.14	0.27	0.27
Main-3	2659	25-year	27.3	215.34	216.41		216.42	0.000634	0.8	90.71	147.08	0.26	0.26
Main-3	2659	50-year	34.9	215.34	216.58		216.59	0.000526	0.81	117.13	165.1	0.24	0.24
Main-3	2659	100-year	42.9	215.34	216.73		216.73	0.000449	0.81	143	184.34	0.23	0.23
Main-3	2659	200-year	51.5	215.34	216.88		216.89	0.000382	0.81	172.04	194.85	0.22	0.22
Main-3	2659	350-year	58.8	215.34	217.01		217.02	0.00033	0.8	198.57	210.29	0.2	0.2
Main-3	2659	500-year	63.5	215.34	217.1		217.11	0.000312	0.8	217.79	213.14	0.2	0.2
Main-3	2659	1000-year	73.2	215.34	216.98		216.99	0.000561	1.03	192.31	206.29	0.27	0.27
Main-3	2659	Hazel	189.3	215.34	217.6		217.63	0.000815	1.56	332.43	239.42	0.34	0.34
Main-3	2574	25-year	27.3	215.34	216.38		216.39	0.000416	0.63	100.17	132.87	0.21	0.21
Main-3	2574	50-year	34.9	215.34	216.55		216.56	0.000379	0.68	124	144.79	0.21	0.21
Main-3	2574	100-year	42.9	215.34	216.7		216.71	0.000349	0.71	148.04	180.73	0.2	0.2
Main-3	2574	200-year	51.5	215.34	216.86		216.87	0.000313	0.73	178.27	205.41	0.2	0.2
Main-3	2574	350-year	58.8	215.34	216.99		217	0.000277	0.73	206.51	218.66	0.19	0.19
Main-3	2574	500-year	63.5	215.34	217.08		217.09	0.000252	0.72	226.97	225.23	0.18	0.18
Main-3	2574	1000-year	73.2	215.34	216.95		216.96	0.000485	0.94	197.32	213.19	0.25	0.25
Main-3	2574	Hazel	189.3	215.34	217.56		217.58	0.000736	1.46	341.77	255.03	0.32	0.32
Main-3	2494	25-year	27.3	215.31	216.34		216.35	0.000751	0.85	81.14	140.2	0.28	0.28
Main-3	2494	50-year	34.9	215.31	216.52		216.53	0.000551	0.82	108.1	166.1	0.25	0.25
Main-3	2494	100-year	42.9	215.31	216.68		216.69	0.000446	0.81	134.78	175.12	0.23	0.23
Main-3	2494	200-year	51.5	215.31	216.84		216.84	0.000367	0.79	163.33	184.2	0.21	0.21
Main-3	2494	350-year	58.8	215.31	216.97		216.98	0.000312	0.78	189.05	192.01	0.2	0.2
Main-3	2494	500-year	63.5	215.31	217.07		217.07	0.000277	0.76	207.34	197.39	0.19	0.19
Main-3	2494	1000-year	73.2	215.31	216.91		216.93	0.000579	1.03	177.8	188.61	0.27	0.27
Main-3	2494	Hazel	189.3	215.31	217.5		217.53	0.000828	1.54	300.07	248.67	0.34	0.34
Main-3	2375	25-year	27.3	215.25	216.32		216.32	0.000232	0.48	134.23	187.47	0.16	0.16
Main-3	2375	50-year	34.9	215.25	216.5		216.51	0.000183	0.48	169.82	196.78	0.15	0.15
Main-3	2375	100-year	42.9	215.25	216.66		216.66	0.000162	0.5	201.71	202.84	0.14	0.14
Main-3	2375	200-year	51.5	215.25	216.82		216.83	0.000145	0.51	234.78	207.82	0.14	0.14
Main-3	2375	350-year	58.8	215.25	216.96		216.96	0.000131	0.51	263.88	214.2	0.13	0.13
Main-3	2375	500-year	63.5	215.25	217.06		217.06	0.000121	0.51	284.78	225.55	0.13	0.13
Main-3	2375	1000-year	73.2	215.25	216.89		216.9	0.000242	0.68	249.26	209.91	0.18	0.18

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-3	2375	Hazel	189.3	215.25	217.46		217.48	0.000523	1.23	388.93	275.81	0.27	0.27
Main-3	2110	25-year	27.3	215.21	216.29		216.3	0.000263	0.5	125.01	185.89	0.17	0.17
Main-3	2110	50-year	34.9	215.21	216.48		216.49	0.000197	0.48	161.77	196.25	0.15	0.15
Main-3	2110	100-year	42.9	215.21	216.65		216.65	0.000169	0.49	193.88	200.99	0.14	0.14
Main-3	2110	200-year	51.5	215.21	216.81		216.81	0.000149	0.5	227.37	210.6	0.14	0.14
Main-3	2110	350-year	58.8	215.21	216.95		216.95	0.000133	0.5	258.48	232.1	0.13	0.13
Main-3	2110	500-year	63.5	215.21	217.05		217.05	0.000121	0.5	281.21	241.15	0.13	0.13
Main-3	2110	1000-year	73.2	215.21	216.87		216.88	0.000254	0.67	240.4	221.93	0.18	0.18
Main-3	2110	Hazel	189.3	215.21	217.42		217.44	0.000461	1.12	382.05	287.56	0.25	0.25
Main-3	1912	25-year	27.3	215.13	216.25		216.26	0.000538	0.73	90.18	134.96	0.24	0.24
Main-3	1912	50-year	34.9	215.13	216.45		216.46	0.000416	0.73	119.44	159.48	0.22	0.22
Main-3	1912	100-year	42.9	215.13	216.62		216.63	0.00038	0.76	147.55	185.05	0.21	0.21
Main-3	1912	200-year	51.5	215.13	216.78		216.79	0.000356	0.8	180.17	215.93	0.21	0.21
Main-3	1912	350-year	58.8	215.13	216.93		216.94	0.000302	0.78	212.52	234.1	0.2	0.2
Main-3	1912	500-year	63.5	215.13	217.03		217.03	0.000266	0.76	236.11	245.56	0.19	0.19
Main-3	1912	1000-year	73.2	215.13	216.83		216.84	0.000639	1.09	189.17	222.73	0.28	0.28
Main-3	1912	Hazel	189.3	215.13	217.35		217.39	0.00105	1.7	322.64	286.6	0.38	0.38
Main-3	1758	25-year	27.3	214.87	216.18		216.2	0.000658	0.93	71.93	91.21	0.28	0.28
Main-3	1758	50-year	34.9	214.87	216.4		216.42	0.000506	0.91	92.87	109.9	0.25	0.25
Main-3	1758	100-year	42.9	214.87	216.57		216.58	0.000484	0.96	118.96	198.46	0.25	0.25
Main-3	1758	200-year	51.5	214.87	216.74		216.76	0.000405	0.95	156.03	224.38	0.23	0.23
Main-3	1758	350-year	58.8	214.87	216.89		216.9	0.000336	0.91	192.1	248.65	0.21	0.21
Main-3	1758	500-year	63.5	214.87	217		217.01	0.000291	0.88	218.28	256.1	0.2	0.2
Main-3	1758	1000-year	73.2	214.87	216.74		216.77	0.000822	1.35	155.76	224.28	0.33	0.33
Main-3	1758	Hazel	189.3	214.87	217.21		217.27	0.001478	2.12	273.3	268.68	0.46	0.46
Main-3	1606	25-year	27.3	214.87	216.16		216.17	0.000257	0.6	120.94	192.56	0.18	0.18
Main-3	1606	50-year	34.9	214.87	216.38		216.39	0.000194	0.58	172.66	251.99	0.16	0.16
Main-3	1606	100-year	42.9	214.87	216.55		216.56	0.00018	0.61	217.11	269.83	0.15	0.15
Main-3	1606	200-year	51.5	214.87	216.73		216.73	0.000148	0.59	266.33	284.97	0.14	0.14
Main-3	1606	350-year	58.8	214.87	216.88		216.89	0.000123	0.57	310.77	292.12	0.13	0.13
Main-3	1606	500-year	63.5	214.87	216.99		216.99	0.000108	0.55	341.65	295.98	0.12	0.12
Main-3	1606	1000-year	73.2	214.87	216.72		216.73	0.00031	0.85	262.53	283.92	0.21	0.21
Main-3	1606	Hazel	189.3	214.87	217.17		217.19	0.000619	1.4	394.83	300.39	0.3	0.3
Main-3	1546	25-year	27.3	214.8	216.16		216.16	0.00006	0.27	162.94	225.04	0.08	0.08
Main-3	1546	50-year	34.9	214.8	216.38		216.38	0.000047	0.26	217.42	253.61	0.07	0.07
Main-3	1546	100-year	42.9	214.8	216.55		216.55	0.000043	0.28	261.79	267.3	0.07	0.07
Main-3	1546	200-year	51.5	214.8	216.73		216.73	0.000039	0.28	309.94	277.57	0.07	0.07
Main-3	1546	350-year	58.8	214.8	216.88		216.89	0.000035	0.28	353.08	283.22	0.07	0.07
Main-3	1546	500-year	63.5	214.8	216.99		216.99	0.000032	0.28	383.05	286.73	0.07	0.07
Main-3	1546	1000-year	73.2	214.8	216.72		216.72	0.00008	0.41	306.29	276.47	0.1	0.1
Main-3	1546	Hazel	189.3	214.8	217.17		217.18	0.000197	0.75	434.56	291.64	0.17	0.17
Main-3	1542	25-year	27.3	213.85	216.07	215.29	216.14	0.000758	1.2	23.69	206.65	0.3	0.3
Main-3	1542	50-year	34.9	213.85	216.38	215.44	216.38	0.000028	0.26	230.25	256.56	0.06	0.06
Main-3	1542	100-year	42.9	213.85	216.55	215.56	216.55	0.000027	0.27	274.99	267.73	0.06	0.06
Main-3	1542	200-year	51.5	213.85	216.73	215.68	216.73	0.000024	0.27	323.33	278.05	0.06	0.06
Main-3	1542	350-year	58.8	213.85	216.88	215.77	216.89	0.000022	0.27	366.5	283.76	0.06	0.06
Main-3	1542	500-year	63.5	213.85	216.99	215.82	216.99	0.000021	0.27	396.49	287.25	0.05	0.05
Main-3	1542	1000-year	73.2	213.85	216.72	215.94	216.72	0.000051	0.39	319.64	276.75	0.08	0.08
Main-3	1542	Hazel	189.3	213.85	217.17	216.29	217.18	0.000129	0.7	447.99	292.01	0.14	0.14
Main-3	1525		Bridge										
Main-3	1513	25-year	27.3	213.83	215.55	215.55	215.95	0.007878	2.84	11.4	162.39	0.89	0.89
Main-3	1513	50-year	34.9	213.83	215.7	215.7	216.15	0.007729	3.07	14.09	190.73	0.91	0.91
Main-3	1513	100-year	42.9	213.83	215.84	215.84	216.35	0.007599	3.29	16.66	202	0.91	0.91
Main-3	1513	200-year	51.5	213.83	215.98	215.98	216.54	0.007473	3.49	19.2	221.93	0.92	0.92
Main-3	1513	350-year	58.8	213.83	216.09	216.09	216.69	0.007438	3.65	21.16	230.18	0.93	0.93
Main-3	1513	500-year	63.5	213.83	216.15	216.15	216.79	0.007505	3.76	22.28	238.63	0.94	0.94
Main-3	1513	1000-year	73.2	213.83	216.29	216.29	216.3	0.000133	0.53	217.22	255.34	0.13	0.13

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-3	1513	Hazel	189.3	213.83	216.76	216.29	216.77	0.000254	0.85	334.03	290.66	0.18	0.18
Main-3	1504	25-year	27.3	214.81	215.71		215.72	0.000576	0.63	91.76	195.03	0.24	0.24
Main-3	1504	50-year	34.9	214.81	215.79		215.8	0.000622	0.7	109.2	216.51	0.25	0.25
Main-3	1504	100-year	42.9	214.81	215.88		215.89	0.000596	0.74	128.02	231.72	0.25	0.25
Main-3	1504	200-year	51.5	214.81	215.96		215.97	0.000586	0.77	146.61	240.69	0.25	0.25
Main-3	1504	350-year	58.8	214.81	216.02		216.03	0.000578	0.8	161.6	248.07	0.25	0.25
Main-3	1504	500-year	63.5	214.81	216.07		216.08	0.000546	0.8	173.92	253.16	0.25	0.25
Main-3	1504	1000-year	73.2	214.81	216.14		216.15	0.000541	0.84	193.14	264.08	0.25	0.25
Main-3	1504	Hazel	189.3	214.81	216.75		216.77	0.000548	1.12	365.85	298.64	0.27	0.27
Main-3	1406	25-year	27.3	214.85	215.68		215.69	0.000514	0.62	105.83	185.15	0.23	0.23
Main-3	1406	50-year	34.9	214.85	215.77		215.77	0.000568	0.7	121.03	191.44	0.25	0.25
Main-3	1406	100-year	42.9	214.85	215.85		215.86	0.000599	0.77	137.41	200.77	0.26	0.26
Main-3	1406	200-year	51.5	214.85	215.93		215.94	0.000633	0.83	153.44	211.18	0.27	0.27
Main-3	1406	350-year	58.8	214.85	215.99		216	0.000658	0.89	166.53	219	0.27	0.27
Main-3	1406	500-year	63.5	214.85	216.03		216.04	0.000751	0.97	176.8	222.93	0.3	0.3
Main-3	1406	1000-year	73.2	214.85	216.11		216.12	0.00076	1.02	193.47	227.41	0.3	0.3
Main-3	1406	Hazel	189.3	214.85	216.71		216.74	0.000938	1.5	343.84	266.05	0.36	0.36
Main-3	1307	25-year	27.3	214.67	215.63		215.65	0.001003	0.89	71.87	128.44	0.32	0.32
Main-3	1307	50-year	34.9	214.67	215.7		215.72	0.001162	1.01	81.4	135.93	0.35	0.35
Main-3	1307	100-year	42.9	214.67	215.78		215.8	0.001258	1.11	92.2	141.42	0.37	0.37
Main-3	1307	200-year	51.5	214.67	215.85		215.88	0.00137	1.2	102.57	147.38	0.39	0.39
Main-3	1307	350-year	58.8	214.67	215.91		215.94	0.00141	1.26	111.1	149.17	0.39	0.39
Main-3	1307	500-year	63.5	214.67	215.95		215.98	0.001454	1.3	117.09	156.34	0.4	0.4
Main-3	1307	1000-year	73.2	214.67	216.02		216.05	0.0015	1.37	128.43	160.77	0.41	0.41
Main-3	1307	Hazel	189.3	214.67	216.59		216.66	0.001911	1.97	227.05	184.65	0.49	0.49
Main-3	1118	25-year	27.3	214.61	215.41		215.46	0.003527	1.61	50.41	157.78	0.6	0.6
Main-3	1118	50-year	34.9	214.61	215.5		215.54	0.003006	1.6	64.3	160.2	0.56	0.56
Main-3	1118	100-year	42.9	214.61	215.59		215.63	0.00244	1.55	79.89	163.59	0.52	0.52
Main-3	1118	200-year	51.5	214.61	215.67		215.72	0.002198	1.56	93.69	167.4	0.5	0.5
Main-3	1118	350-year	58.8	214.61	215.74		215.78	0.00205	1.57	104.75	168.9	0.49	0.49
Main-3	1118	500-year	63.5	214.61	215.79		215.82	0.001939	1.57	112.3	170.22	0.48	0.48
Main-3	1118	1000-year	73.2	214.61	215.86		215.9	0.001831	1.6	125.76	173.19	0.47	0.47
Main-3	1118	Hazel	189.3	214.61	216.42		216.49	0.002024	2.17	229.38	194.4	0.52	0.52
Main-3	1117	25-year	27.3	214.48	215.39		215.4	0.000333	0.47	115.05	275.15	0.18	0.18
Main-3	1117	50-year	34.9	214.48	215.49		215.49	0.000283	0.47	140.81	276.37	0.17	0.17
Main-3	1117	100-year	42.9	214.48	215.59		215.59	0.000238	0.47	169.35	310.38	0.16	0.16
Main-3	1117	200-year	51.5	214.48	215.67		215.67	0.00022	0.48	198.14	351.87	0.16	0.16
Main-3	1117	350-year	58.8	214.48	215.74		215.74	0.000209	0.49	222.17	364.14	0.15	0.15
Main-3	1117	500-year	63.5	214.48	215.78		215.79	0.000199	0.49	238.96	376.33	0.15	0.15
Main-3	1117	1000-year	73.2	214.48	215.86		215.87	0.000189	0.5	269.58	389.47	0.15	0.15
Main-3	1117	Hazel	189.3	214.48	216.43		216.44	0.000211	0.69	504.27	439.58	0.17	0.17
Trib-1	1945	25-year	4.6	188.87	189.68	189.61	189.84	0.009018	1.77	2.61	5.95	0.85	0.85
Trib-1	1945	50-year	5.4	188.87	189.71	189.67	189.9	0.010489	1.94	2.79	6.46	0.92	0.92
Trib-1	1945	100-year	6.1	188.87	189.72	189.72	189.95	0.01229	2.11	2.9	7.27	1	1
Trib-1	1945	200-year	6.9	188.87	189.79	189.79	190	0.01046	2.06	3.58	13.38	0.94	0.94
Trib-1	1945	350-year	7.5	188.87	189.82	189.82	190.04	0.009934	2.07	4.09	15.6	0.92	0.92
Trib-1	1945	500-year	7.9	188.87	189.87	189.87	190.06	0.008514	1.97	4.87	21.36	0.86	0.86
Trib-1	1945	1000-year	8.7	188.87	189.94	189.94	190.09	0.007628	1.81	6.72	31.46	0.81	0.81
Trib-1	1945	Hazel	17.6	188.87	190.11	190.11	190.32	0.010107	2.25	13.31	44.68	0.95	0.95
Trib-1	1840	25-year	4.6	188.63	189.26		189.29	0.003143	1.2	12.25	76.53	0.53	0.53
Trib-1	1840	50-year	5.4	188.63	189.28		189.32	0.003109	1.23	14.32	79.09	0.53	0.53
Trib-1	1840	100-year	6.1	188.63	189.31		189.34	0.002841	1.21	16.35	79.52	0.51	0.51
Trib-1	1840	200-year	6.9	188.63	189.34		189.37	0.002616	1.2	18.54	80.04	0.49	0.49
Trib-1	1840	350-year	7.5	188.63	189.35		189.38	0.002512	1.2	20.02	80.46	0.48	0.47
Trib-1	1840	500-year	7.9	188.63	189.37		189.39	0.002467	1.2	20.94	81.1	0.48	0.47
Trib-1	1840	1000-year	8.7	188.63	189.39		189.41	0.002389	1.21	22.72	82	0.48	0.47
Trib-1	1840	Hazel	17.6	188.63	189.6		189.63	0.001886	1.3	41.61	93.42	0.44	0.44

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Trib-1	1735	25-year	4.6	188.35	188.95		188.99	0.002854	1.07	9.09	35.39	0.5	0.5
Trib-1	1735	50-year	5.4	188.35	188.98		189.02	0.003024	1.15	10.11	36.18	0.52	0.52
Trib-1	1735	100-year	6.1	188.35	189		189.05	0.003195	1.21	10.91	36.91	0.54	0.54
Trib-1	1735	200-year	6.9	188.35	189.03		189.07	0.003366	1.28	11.82	38.14	0.56	0.56
Trib-1	1735	350-year	7.5	188.35	189.05		189.1	0.003289	1.31	12.72	38.77	0.55	0.6
Trib-1	1735	500-year	7.9	188.35	189.06		189.11	0.003436	1.35	13.02	38.88	0.57	0.61
Trib-1	1735	1000-year	8.7	188.35	189.08		189.13	0.003549	1.4	13.83	39.25	0.58	0.61
Trib-1	1735	Hazel	17.6	188.35	189.28		189.36	0.003948	1.8	22.3	43.1	0.64	0.65
Trib-1	1608	25-year	4.6	187.94	188.54		188.59	0.005167	1.32	7.93	38.87	0.65	0.65
Trib-1	1608	50-year	5.4	187.94	188.57		188.63	0.004898	1.34	9.41	41.35	0.64	0.64
Trib-1	1608	100-year	6.1	187.94	188.61		188.66	0.004082	1.29	11.14	44.47	0.59	0.59
Trib-1	1608	200-year	6.9	187.94	188.64		188.68	0.004175	1.34	12.15	47.18	0.6	0.6
Trib-1	1608	350-year	7.5	187.94	188.65		188.7	0.004392	1.4	12.72	48.73	0.62	0.52
Trib-1	1608	500-year	7.9	187.94	188.66		188.71	0.004221	1.4	13.46	49.71	0.61	0.52
Trib-1	1608	1000-year	8.7	187.94	188.69		188.74	0.004015	1.41	14.8	51.84	0.6	0.53
Trib-1	1608	Hazel	17.6	187.94	188.88		188.94	0.003966	1.7	25.88	69.09	0.63	0.32
Trib-1	1509	25-year	4.6	187.48	188.27	188.12	188.31	0.002361	1.01	9.33	49.51	0.45	0.45
Trib-1	1509	50-year	5.4	187.48	188.29	188.15	188.33	0.002778	1.12	10.1	50.84	0.49	0.49
Trib-1	1509	100-year	6.1	187.48	188.28	188.22	188.35	0.003576	1.27	10.06	50.78	0.56	0.56
Trib-1	1509	200-year	6.9	187.48	188.3	188.25	188.37	0.003994	1.36	10.75	51.74	0.59	0.59
Trib-1	1509	350-year	7.5	187.48	188.33	188.26	188.39	0.003382	1.31	12.57	53.14	0.55	0.77
Trib-1	1509	500-year	7.9	187.48	188.33	188.27	188.4	0.003979	1.41	12.23	52.8	0.6	0.77
Trib-1	1509	1000-year	8.7	187.48	188.34	188.29	188.42	0.004338	1.49	12.86	53.7	0.62	0.78
Trib-1	1509	Hazel	17.6	187.48	188.49		188.59	0.0053	1.92	21.44	60.41	0.72	0.18
Trib-1	1377	25-year	4.6	187.17	187.72	187.72	187.83	0.008557	1.6	4.47	28.91	0.83	0.83
Trib-1	1377	50-year	5.4	187.17	187.77	187.77	187.86	0.006974	1.55	6.04	42.89	0.76	0.76
Trib-1	1377	100-year	6.1	187.17	187.81	187.81	187.88	0.005133	1.43	8.22	50.26	0.66	0.66
Trib-1	1377	200-year	6.9	187.17	187.84	187.84	187.9	0.004799	1.42	9.42	51.92	0.65	0.65
Trib-1	1377	350-year	7.5	187.17	187.83	187.83	187.92	0.0061	1.59	9.1	51.48	0.73	0.43
Trib-1	1377	500-year	7.9	187.17	187.85	187.85	187.92	0.005328	1.53	10.06	52.39	0.68	0.16
Trib-1	1377	1000-year	8.7	187.17	187.87		187.94	0.004952	1.51	11.14	52.67	0.66	0.14
Trib-1	1377	Hazel	17.6	187.17	188.51		188.51	0.000205	0.52	61.93	100.24	0.15	0.06
Trib-1	1374	25-year	4.6	186.46	187.61	187.09	187.63	0.000677	0.64	7.54	13.92	0.24	0.24
Trib-1	1374	50-year	5.4	186.46	187.66	187.15	187.69	0.000731	0.7	8.17	15.22	0.26	0.26
Trib-1	1374	100-year	6.1	186.46	187.71	187.19	187.74	0.000762	0.74	8.74	16.46	0.26	0.26
Trib-1	1374	200-year	6.9	186.46	187.76	187.23	187.79	0.000789	0.79	9.37	16.85	0.27	0.26
Trib-1	1374	350-year	7.5	186.46	187.8	187.26	187.83	0.000804	0.82	9.83	17.06	0.27	0.23
Trib-1	1374	500-year	7.9	186.46	187.82	187.29	187.86	0.000816	0.83	10.12	17.2	0.28	0.17
Trib-1	1374	1000-year	8.7	186.46	187.88	187.32	187.91	0.000826	0.87	10.74	17.48	0.28	0.17
Trib-1	1374	Hazel	17.6	186.46	188.44	187.58	188.5	0.000704	1.06	19.03	72.99	0.28	0.15
Trib-1	1357		Culvert										
Trib-1	1342	25-year	4.6	186.64	187.54	187.18	187.58	0.001495	0.88	5.25	26.9	0.37	0.37
Trib-1	1342	50-year	5.4	186.64	187.57	187.23	187.62	0.001751	0.97	5.56	31.1	0.4	0.4
Trib-1	1342	100-year	6.1	186.64	187.6	187.26	187.66	0.001951	1.05	5.83	34.23	0.42	0.42
Trib-1	1342	200-year	6.9	186.64	187.63	187.3	187.7	0.002175	1.13	6.15	36.79	0.45	0.41
Trib-1	1342	350-year	7.5	186.64	187.65	187.33	187.72	0.002308	1.19	6.41	41.59	0.46	0.33
Trib-1	1342	500-year	7.9	186.64	187.66	187.35	187.74	0.00242	1.23	6.57	43.62	0.48	0.22
Trib-1	1342	1000-year	8.7	186.64	187.69	187.38	187.78	0.002586	1.31	6.93	47.62	0.5	0.22
Trib-1	1342	Hazel	17.6	186.64	187.91	187.72	188.1	0.00411	1.97	10.04	62.57	0.65	0.21
Trib-1	1330	25-year	4.6	186.98	187.54		187.55	0.000758	0.51	10.99	38.61	0.25	0.25
Trib-1	1330	50-year	5.4	186.98	187.58		187.59	0.000767	0.54	12.42	40.98	0.26	0.25
Trib-1	1330	100-year	6.1	186.98	187.61		187.62	0.000759	0.56	13.87	50.47	0.26	0.26
Trib-1	1330	200-year	6.9	186.98	187.64		187.66	0.00075	0.59	15.65	56.11	0.26	0.23
Trib-1	1330	350-year	7.5	186.98	187.66		187.68	0.000742	0.6	17.03	59.51	0.26	0.16
Trib-1	1330	500-year	7.9	186.98	187.68		187.7	0.000743	0.61	17.89	60.53	0.26	0.09
Trib-1	1330	1000-year	8.7	186.98	187.71		187.73	0.00073	0.63	19.72	62.57	0.26	0.09
Trib-1	1330	Hazel	17.6	186.98	187.98		188	0.000624	0.74	37.82	70.43	0.26	0.07

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Trib-1	1210	25-year	4.6	186.82	187.34		187.39	0.003111	0.98	5.95	26.77	0.5	0.5
Trib-1	1210	50-year	5.4	186.82	187.38		187.43	0.003009	1.02	6.96	27.36	0.5	0.71
Trib-1	1210	100-year	6.1	186.82	187.41		187.46	0.002859	1.05	7.88	28.1	0.5	0.61
Trib-1	1210	200-year	6.9	186.82	187.44		187.5	0.00287	1.09	8.75	29.51	0.5	0.33
Trib-1	1210	350-year	7.5	186.82	187.47		187.52	0.002761	1.11	9.52	29.84	0.5	0.21
Trib-1	1210	500-year	7.9	186.82	187.48		187.54	0.002864	1.15	9.8	30.43	0.51	0.13
Trib-1	1210	1000-year	8.7	186.82	187.51		187.57	0.002797	1.18	10.75	31.71	0.51	0.13
Trib-1	1210	Hazel	17.6	186.82	187.79		187.86	0.002312	1.4	20.49	38.1	0.49	0.11
Trib-1	1117	25-year	4.6	186.22	186.69	186.69	186.86	0.012495	1.83	2.58	8.45	0.99	0.99
Trib-1	1117	50-year	5.4	186.22	186.73	186.73	186.92	0.012004	1.91	2.93	9.02	0.98	0.48
Trib-1	1117	100-year	6.1	186.22	186.76	186.76	186.96	0.012304	2.02	3.18	9.35	1	0.27
Trib-1	1117	200-year	6.9	186.22	186.81	186.81	187.01	0.01096	2.01	3.69	10.65	0.96	0.18
Trib-1	1117	350-year	7.5	186.22	186.83	186.83	187.05	0.011009	2.06	3.97	11.52	0.97	0.13
Trib-1	1117	500-year	7.9	186.22	186.86	186.86	187.07	0.01026	2.05	4.28	12.28	0.94	0.09
Trib-1	1117	1000-year	8.7	186.22	186.9	186.9	187.11	0.009889	2.08	4.71	12.56	0.93	0.09
Trib-1	1117	Hazel	17.6	186.22	187.19	187.19	187.47	0.008012	2.45	9.41	20.38	0.9	0.09
Trib-2	2010	25-year	7	215.66	216.74		216.75	0.000668	0.73	31.35	150.26	0.26	0.26
Trib-2	2010	50-year	8.8	215.66	216.82		216.83	0.000478	0.66	44.5	160.1	0.22	0.22
Trib-2	2010	100-year	10.7	215.66	216.9		216.91	0.000372	0.62	57.66	168.44	0.2	0.2
Trib-2	2010	200-year	12.7	215.66	216.98		216.99	0.000299	0.58	71.32	175.72	0.18	0.18
Trib-2	2010	350-year	14.4	215.66	217.04		217.04	0.000262	0.57	81.92	179.12	0.17	0.17
Trib-2	2010	500-year	15.5	215.66	217.19		217.19	0.000135	0.44	108.64	185.73	0.13	0.13
Trib-2	2010	1000-year	17.7	215.66	217.23		217.24	0.00014	0.46	117.78	189.45	0.13	0.13
Trib-2	2010	Hazel	47.7	215.66	217.94		217.94	0.000094	0.5	260.91	217.53	0.11	0.11
Trib-2	1928	25-year	7	215.25	216.73		216.74	0.000071	0.3	49.64	175.72	0.09	0.09
Trib-2	1928	50-year	8.8	215.25	216.82		216.82	0.000064	0.3	64.95	193.83	0.08	0.08
Trib-2	1928	100-year	10.7	215.25	216.9		216.9	0.000058	0.3	80.97	204.09	0.08	0.08
Trib-2	1928	200-year	12.7	215.25	216.98		216.98	0.000051	0.29	97.31	206.46	0.08	0.08
Trib-2	1928	350-year	14.4	215.25	217.04		217.04	0.000048	0.29	109.71	207.74	0.08	0.08
Trib-2	1928	500-year	15.5	215.25	217.18		217.19	0.000028	0.24	140.6	211.21	0.06	0.06
Trib-2	1928	1000-year	17.7	215.25	217.23		217.23	0.00003	0.25	150.86	211.84	0.06	0.06
Trib-2	1928	Hazel	47.7	215.25	217.93		217.94	0.000027	0.3	305.89	227.18	0.06	0.06
Trib-2	1926	25-year	7	215.25	216.71	215.89	216.73	0.000431	0.62	12.43	164.16	0.2	0.2
Trib-2	1926	50-year	8.8	215.25	216.79	215.98	216.81	0.000527	0.72	13.83	182.95	0.22	0.22
Trib-2	1926	100-year	10.7	215.25	216.86	216.05	216.89	0.000613	0.81	15.31	190.56	0.24	0.24
Trib-2	1926	200-year	12.7	215.25	216.93	216.13	216.97	0.000684	0.89	16.89	199.18	0.25	0.25
Trib-2	1926	350-year	14.4	215.25	216.98	216.19	217.03	0.000738	0.95	18.1	200.51	0.27	0.27
Trib-2	1926	500-year	15.5	215.25	217.14	216.23	217.17	0.000529	0.87	21.65	209.23	0.23	0.23
Trib-2	1926	1000-year	17.7	215.25	217.18	216.3	217.22	0.000615	0.95	22.54	210.39	0.25	0.25
Trib-2	1926	Hazel	47.7	215.25	217.93	217.02	217.94	0.000048	0.35	215.53	227.62	0.07	0.07
Trib-2	1915		Bridge										
Trib-2	1905	25-year	7	215.14	216.7	215.79	216.71	0.000171	0.49	15.02	157.92	0.14	0.14
Trib-2	1905	50-year	8.8	215.14	216.76	215.87	216.78	0.000226	0.58	15.92	174.05	0.16	0.16
Trib-2	1905	100-year	10.7	215.14	216.82	215.93	216.84	0.000285	0.67	16.72	182.16	0.19	0.19
Trib-2	1905	200-year	12.7	215.14	216.88	215.99	216.91	0.000348	0.76	17.49	188.91	0.21	0.21
Trib-2	1905	350-year	14.4	215.14	216.92	216.04	216.95	0.000408	0.84	18.01	191.53	0.22	0.22
Trib-2	1905	500-year	15.5	215.14	216.94	216.06	216.98	0.000446	0.89	18.33	193.07	0.24	0.24
Trib-2	1905	1000-year	17.7	215.14	216.98	216.12	217.03	0.000524	0.98	18.95	199.63	0.26	0.26
Trib-2	1905	Hazel	47.7	215.14	217.38	216.68	217.39	0.000116	0.54	136.36	229.64	0.13	0.13
Trib-2	1901	25-year	7	215.58	216.7		216.7	0.000054	0.23	58.72	168.04	0.08	0.08
Trib-2	1901	50-year	8.8	215.58	216.77		216.77	0.000053	0.23	70.4	174.63	0.08	0.08
Trib-2	1901	100-year	10.7	215.58	216.83		216.83	0.000052	0.24	81.35	179.11	0.08	0.08
Trib-2	1901	200-year	12.7	215.58	216.89		216.89	0.000051	0.25	92.17	183.86	0.08	0.08
Trib-2	1901	350-year	14.4	215.58	216.93		216.93	0.000053	0.26	99.82	189	0.08	0.08
Trib-2	1901	500-year	15.5	215.58	216.96		216.96	0.000053	0.26	104.72	190.95	0.08	0.08
Trib-2	1901	1000-year	17.7	215.58	217.01		217.01	0.000054	0.28	114.31	194.85	0.08	0.08
Trib-2	1901	Hazel	47.7	215.58	217.38		217.39	0.000085	0.41	194.05	224.54	0.1	0.1

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Trib-2	1808	25-year	7	215.61	216.67		216.69	0.000499	0.69	20.29	76.04	0.23	0.23
Trib-2	1808	50-year	8.8	215.61	216.73		216.75	0.000545	0.76	25.39	79.27	0.24	0.24
Trib-2	1808	100-year	10.7	215.61	216.79		216.82	0.000575	0.81	30.23	82.11	0.25	0.25
Trib-2	1808	200-year	12.7	215.61	216.85		216.88	0.000601	0.86	35.1	85.14	0.26	0.26
Trib-2	1808	350-year	14.4	215.61	216.89		216.92	0.000633	0.9	38.44	86.38	0.27	0.27
Trib-2	1808	500-year	15.5	215.61	216.91		216.94	0.000653	0.93	40.58	88.55	0.27	0.27
Trib-2	1808	1000-year	17.7	215.61	216.96		216.99	0.000679	0.97	44.93	93.35	0.28	0.28
Trib-2	1808	Hazel	47.7	215.61	217.3		217.36	0.001263	1.56	83.4	145.45	0.4	0.4
Trib-2	1707	25-year	7	215.6	216.62		216.64	0.000464	0.64	25.66	79.9	0.22	0.22
Trib-2	1707	50-year	8.8	215.6	216.68		216.7	0.000501	0.7	30.7	83.31	0.23	0.23
Trib-2	1707	100-year	10.7	215.6	216.74		216.76	0.000531	0.75	35.51	84.47	0.24	0.24
Trib-2	1707	200-year	12.7	215.6	216.8		216.81	0.000556	0.79	40.3	88.07	0.25	0.25
Trib-2	1707	350-year	14.4	215.6	216.83		216.85	0.000597	0.84	43.42	89.23	0.26	0.26
Trib-2	1707	500-year	15.5	215.6	216.85		216.87	0.000618	0.87	45.43	89.72	0.26	0.26
Trib-2	1707	1000-year	17.7	215.6	216.9		216.92	0.000649	0.91	49.46	90.58	0.27	0.27
Trib-2	1707	Hazel	47.7	215.6	217.13		217.2	0.001813	1.72	71.52	98.76	0.47	0.47
Trib-2	1606	25-year	7	215.62	216.53	216.35	216.56	0.001322	0.96	18.32	65.4	0.36	0.36
Trib-2	1606	50-year	8.8	215.62	216.59	216.39	216.62	0.001375	1.03	22.29	74.58	0.37	0.37
Trib-2	1606	100-year	10.7	215.62	216.64	216.47	216.67	0.001505	1.12	26.04	79.41	0.39	0.39
Trib-2	1606	200-year	12.7	215.62	216.69	216.5	216.72	0.001544	1.18	30.37	87.2	0.4	0.4
Trib-2	1606	350-year	14.4	215.62	216.72	216.52	216.75	0.001648	1.25	32.81	88.71	0.42	0.42
Trib-2	1606	500-year	15.5	215.62	216.73	216.54	216.77	0.0017	1.28	34.47	90.24	0.43	0.43
Trib-2	1606	1000-year	17.7	215.62	216.78	216.57	216.82	0.001696	1.32	38.42	94.68	0.43	0.43
Trib-2	1606	Hazel	47.7	215.62	217.02	216.78	217.04	0.001091	1.23	115.93	175.76	0.36	0.36
Trib-2	1505	25-year	7	215.6	216.17	216.17	216.27	0.008379	1.77	8.59	50.69	0.84	0.84
Trib-2	1505	50-year	8.8	215.6	216.21	216.21	216.32	0.008491	1.89	10.91	60.52	0.86	0.86
Trib-2	1505	100-year	10.7	215.6	216.25	216.25	216.36	0.008618	2	13.38	69.08	0.88	0.88
Trib-2	1505	200-year	12.7	215.6	216.29	216.29	216.41	0.008149	2.06	16.81	76.92	0.86	0.86
Trib-2	1505	350-year	14.4	215.6	216.33	216.33	216.44	0.007666	2.08	19.42	81.09	0.85	0.85
Trib-2	1505	500-year	15.5	215.6	216.35	216.35	216.46	0.007439	2.09	20.94	84.04	0.84	0.84
Trib-2	1505	1000-year	17.7	215.6	216.36	216.36	216.49	0.008233	2.23	22.41	85.36	0.89	0.89
Trib-2	1505	Hazel	47.7	215.6	216.58	216.58	216.77	0.011249	3.17	41.94	92.76	1.09	1.09
Trib-2	1371	25-year	7	215.16	215.88	215.88	215.88	0.000226	0.31	63.85	212.44	0.13	0.13
Trib-2	1371	50-year	8.8	215.16	215.89	215.88	215.89	0.000335	0.39	65.21	212.8	0.16	0.16
Trib-2	1371	100-year	10.7	215.16	215.94	215.88	215.94	0.000324	0.4	75.22	216.14	0.16	0.16
Trib-2	1371	200-year	12.7	215.16	215.88	215.88	215.89	0.000743	0.57	63.85	212.44	0.24	0.24
Trib-2	1371	350-year	14.4	215.16	215.91	215.88	215.91	0.000744	0.59	69.48	214.12	0.25	0.25
Trib-2	1371	500-year	15.5	215.16	215.93	215.88	215.94	0.000684	0.58	75.07	216.1	0.24	0.24
Trib-2	1371	1000-year	17.7	215.16	215.99	215.88	215.99	0.000577	0.56	86.9	220.57	0.22	0.22
Trib-2	1371	Hazel	47.7	215.16	216.51	215.88	216.51	0.000287	0.58	203.91	233.9	0.17	0.17
Trib-2	1236	25-year	7	214.84	215.61	215.46	215.68	0.003142	1.25	8.65	45.92	0.53	0.53
Trib-2	1236	50-year	8.8	214.84	215.63	215.53	215.73	0.004521	1.51	9.24	51.51	0.64	0.64
Trib-2	1236	100-year	10.7	214.84	215.63	215.59	215.78	0.006296	1.8	9.67	53.9	0.76	0.76
Trib-2	1236	200-year	12.7	214.84	215.72	215.69	215.73	0.000578	0.6	59.99	171.99	0.24	0.24
Trib-2	1236	350-year	14.4	214.84	215.78	215.69	215.79	0.00047	0.57	70.16	174.4	0.22	0.22
Trib-2	1236	500-year	15.5	214.84	215.82	215.69	215.83	0.000412	0.56	77.21	175.39	0.2	0.2
Trib-2	1236	1000-year	17.7	214.84	215.9	215.69	215.9	0.000332	0.53	90.6	181.27	0.19	0.19
Trib-2	1236	Hazel	47.7	214.84	216.45	215.69	216.46	0.000231	0.62	198.66	205.73	0.17	0.17
Trib-2	1072	25-year	7	214.74	215.41	215.41	215.42	0.001536	0.74	25.34	145.84	0.36	0.36
Trib-2	1072	50-year	8.8	214.74	215.5	215.41	215.51	0.000877	0.64	40.46	169.37	0.28	0.28
Trib-2	1072	100-year	10.7	214.74	215.61	215.41	215.61	0.000481	0.53	58.27	179.64	0.21	0.21
Trib-2	1072	200-year	12.7	214.74	215.7	215.41	215.7	0.000327	0.48	74.86	183.15	0.18	0.18
Trib-2	1072	350-year	14.4	214.74	215.76	215.41	215.76	0.000272	0.46	86.61	184.68	0.17	0.17
Trib-2	1072	500-year	15.5	214.74	215.8	215.41	215.81	0.000243	0.45	94.54	186.16	0.16	0.16
Trib-2	1072	1000-year	17.7	214.74	215.88	215.41	215.89	0.000204	0.44	109.33	188.94	0.15	0.15
Trib-2	1072	Hazel	47.7	214.74	216.45	215.57	216.45	0.000174	0.56	219.61	203.18	0.15	0.15
Main-2	29288	25-year	36.1	214.3	215.3		215.31	0.000337	0.54	120.81	225.75	0.19	0.19
Main-2	29288	50-year	45.6	214.3	215.4		215.41	0.000318	0.57	145.11	250.9	0.19	0.19

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-2	29288	100-year	55.5	214.3	215.51		215.52	0.000313	0.6	174.79	302.62	0.19	0.19
Main-2	29288	200-year	66	214.3	215.59		215.6	0.000359	0.68	200.53	313.98	0.2	0.2
Main-2	29288	350-year	74.9	214.3	215.66		215.67	0.000337	0.69	223.22	323.75	0.2	0.2
Main-2	29288	500-year	80.8	214.3	215.71		215.72	0.000315	0.68	239.52	335.32	0.19	0.19
Main-2	29288	1000-year	92.4	214.3	215.8		215.8	0.000309	0.71	267.38	341.2	0.19	0.19
Main-2	29288	Hazel	209.1	214.3	216.37		216.38	0.000281	0.85	470.3	378.74	0.2	0.2
Main-2	29287	25-year	36.1	214.22	215.25		215.26	0.000811	0.88	117.31	242.53	0.29	0.29
Main-2	29287	50-year	45.6	214.22	215.35		215.37	0.000745	0.91	144.44	264.61	0.29	0.29
Main-2	29287	100-year	55.5	214.22	215.47		215.48	0.000648	0.91	175.81	293.69	0.27	0.27
Main-2	29287	200-year	66	214.22	215.55		215.56	0.000643	0.95	199.87	304.74	0.28	0.28
Main-2	29287	350-year	74.9	214.22	215.62		215.63	0.000608	0.96	222.88	313.09	0.27	0.27
Main-2	29287	500-year	80.8	214.22	215.67		215.69	0.000582	0.96	239.36	320.61	0.27	0.27
Main-2	29287	1000-year	92.4	214.22	215.76		215.77	0.000563	0.99	266.5	330.14	0.26	0.26
Main-2	29287	Hazel	209.1	214.22	216.33		216.35	0.000569	1.24	469.42	370.34	0.28	0.28
Main-2	29181	25-year	36.1	214.18	215.17		215.18	0.000775	0.8	118.1	201.14	0.28	0.28
Main-2	29181	50-year	45.6	214.18	215.28		215.29	0.000705	0.83	142.22	221.85	0.28	0.28
Main-2	29181	100-year	55.5	214.18	215.4		215.41	0.00065	0.87	171.09	266.66	0.27	0.27
Main-2	29181	200-year	66	214.18	215.48		215.49	0.000668	0.92	193.28	291.37	0.28	0.28
Main-2	29181	350-year	74.9	214.18	215.56		215.57	0.000659	0.96	216.94	321.8	0.28	0.28
Main-2	29181	500-year	80.8	214.18	215.61		215.62	0.000733	1.04	232.49	326.12	0.3	0.3
Main-2	29181	1000-year	92.4	214.18	215.69		215.71	0.000682	1.05	261.55	334.78	0.29	0.29
Main-2	29181	Hazel	209.1	214.18	216.27		216.29	0.000627	1.28	466.24	369.72	0.29	0.29
Main-2	29070	25-year	36.1	214.09	215.12		215.13	0.00095	0.93	106.55	196.7	0.31	0.31
Main-2	29070	50-year	45.6	214.09	215.24		215.25	0.000803	0.92	131.44	220.33	0.29	0.29
Main-2	29070	100-year	55.5	214.09	215.37		215.38	0.000678	0.91	163.57	274.27	0.27	0.27
Main-2	29070	200-year	66	214.09	215.45		215.46	0.000694	0.95	185.8	285.25	0.28	0.28
Main-2	29070	350-year	74.9	214.09	215.52		215.54	0.000668	0.95	209.02	310.87	0.28	0.28
Main-2	29070	500-year	80.8	214.09	215.57		215.58	0.000657	0.96	224.38	318.2	0.27	0.27
Main-2	29070	1000-year	92.4	214.09	215.66		215.67	0.000622	0.96	253.73	328.17	0.27	0.27
Main-2	29070	Hazel	209.1	214.09	216.24		216.26	0.000603	1.21	456.84	363.64	0.28	0.28
Main-2	28971	25-year	36.1	214.14	215.02		215.03	0.001052	0.91	108.6	227.65	0.33	0.33
Main-2	28971	50-year	45.6	214.14	215.17		215.18	0.000772	0.87	142.57	243.19	0.29	0.29
Main-2	28971	100-year	55.5	214.14	215.31		215.31	0.000617	0.86	177.9	265.35	0.27	0.27
Main-2	28971	200-year	66	214.14	215.38		215.39	0.000644	0.92	198.79	278.45	0.27	0.27
Main-2	28971	350-year	74.9	214.14	215.46		215.47	0.00062	0.94	221.65	292.11	0.27	0.27
Main-2	28971	500-year	80.8	214.14	215.51		215.52	0.000638	0.98	235.83	300.57	0.28	0.28
Main-2	28971	1000-year	92.4	214.14	215.61		215.62	0.000594	0.99	264.54	305.03	0.27	0.27
Main-2	28971	Hazel	209.1	214.14	216.19		216.2	0.000611	1.28	445.34	319.71	0.29	0.29
Main-2	28879	25-year	36.1	214.09	214.87		214.89	0.001758	1.09	92.32	209.06	0.42	0.42
Main-2	28879	50-year	45.6	214.09	215.08		215.09	0.000844	0.9	136.86	217.11	0.3	0.3
Main-2	28879	100-year	55.5	214.09	215.24		215.25	0.000625	0.86	171.37	224.51	0.27	0.27
Main-2	28879	200-year	66	214.09	215.31		215.32	0.00066	0.92	188.03	225.4	0.28	0.28
Main-2	28879	350-year	74.9	214.09	215.4		215.41	0.000625	0.94	206.86	227.12	0.27	0.27
Main-2	28879	500-year	80.8	214.09	215.44		215.45	0.000618	0.96	217.7	230.01	0.27	0.27
Main-2	28879	1000-year	92.4	214.09	215.54		215.55	0.000613	1.01	240.27	235.3	0.28	0.28
Main-2	28879	Hazel	209.1	214.09	216.11		216.13	0.000758	1.41	379.5	250.75	0.33	0.33
Main-2	28725	25-year	36.1	214.02	214.8		214.8	0.000776	0.72	115.72	188.49	0.28	0.28
Main-2	28725	50-year	45.6	214.02	215.04		215.05	0.00044	0.67	166.44	224.92	0.22	0.22
Main-2	28725	100-year	55.5	214.02	215.21		215.21	0.000355	0.67	205.25	245.97	0.2	0.2
Main-2	28725	200-year	66	214.02	215.28		215.28	0.000408	0.75	222.94	257.62	0.22	0.22
Main-2	28725	350-year	74.9	214.02	215.36		215.37	0.0004	0.77	244.83	260.72	0.22	0.22
Main-2	28725	500-year	80.8	214.02	215.41		215.42	0.000402	0.79	257.26	262.12	0.22	0.22
Main-2	28725	1000-year	92.4	214.02	215.51		215.51	0.000397	0.83	282.92	265.84	0.22	0.22
Main-2	28725	Hazel	209.1	214.02	216.07		216.08	0.000548	1.22	435.73	281.45	0.28	0.28
Main-2	28617	25-year	36.1	213.97	214.76		214.77	0.000598	0.58	142.02	290.63	0.24	0.24
Main-2	28617	50-year	45.6	213.97	215.03		215.03	0.000267	0.49	219.96	304.93	0.17	0.17
Main-2	28617	100-year	55.5	213.97	215.19		215.2	0.000206	0.48	271.8	308.46	0.15	0.15
Main-2	28617	200-year	66	213.97	215.26		215.27	0.000231	0.54	293.15	310.31	0.16	0.16

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-2	28617	350-year	74.9	213.97	215.35		215.35	0.000227	0.56	319.46	312.14	0.16	0.16
Main-2	28617	500-year	80.8	213.97	215.4		215.4	0.00023	0.58	334.32	314.15	0.17	0.17
Main-2	28617	1000-year	92.4	213.97	215.49		215.5	0.000228	0.6	364.93	315.68	0.17	0.17
Main-2	28617	Hazel	209.1	213.97	216.05		216.05	0.000337	0.92	543.94	331.74	0.21	0.21
Main-2	28538	25-year	36.1	213.93	214.73		214.73	0.000291	0.46	192.46	339.37	0.17	0.17
Main-2	28538	50-year	45.6	213.93	215.01		215.01	0.000134	0.39	289.51	348.21	0.12	0.12
Main-2	28538	100-year	55.5	213.93	215.18		215.18	0.000109	0.39	350.04	351.97	0.11	0.11
Main-2	28538	200-year	66	213.93	215.25		215.25	0.000125	0.43	373.82	352.49	0.12	0.12
Main-2	28538	350-year	74.9	213.93	215.33		215.34	0.000126	0.45	403.72	353.54	0.13	0.13
Main-2	28538	500-year	80.8	213.93	215.38		215.38	0.000129	0.47	420.45	354.84	0.13	0.13
Main-2	28538	1000-year	92.4	213.93	215.48		215.48	0.000131	0.5	455.06	356.43	0.13	0.13
Main-2	28538	Hazel	209.1	213.93	216.03		216.03	0.000213	0.78	652.25	365.85	0.17	0.17
Main-2	28425	25-year	36.1	213.83	214.71		214.71	0.000077	0.25	186.62	318.09	0.09	0.09
Main-2	28425	50-year	45.6	213.83	215		215	0.000037	0.22	281.71	328.75	0.07	0.07
Main-2	28425	100-year	55.5	213.83	215.17		215.18	0.000031	0.22	339.5	333.56	0.06	0.06
Main-2	28425	200-year	66	213.83	215.24		215.24	0.000036	0.24	361.72	335.77	0.07	0.07
Main-2	28425	350-year	74.9	213.83	215.33		215.33	0.000036	0.25	390.24	337.52	0.07	0.07
Main-2	28425	500-year	80.8	213.83	215.37		215.37	0.000037	0.26	406.14	338.45	0.07	0.07
Main-2	28425	1000-year	92.4	213.83	215.47		215.47	0.000038	0.28	439.1	340.06	0.07	0.07
Main-2	28425	Hazel	209.1	213.83	216.01		216.02	0.000064	0.43	624.88	348.17	0.1	0.1
Main-2	28368	25-year	36.1	213.82	214.7		214.7	0.000165	0.38	245.04	363.59	0.13	0.13
Main-2	28368	50-year	45.6	213.82	215		215	0.00008	0.32	355.83	374.37	0.1	0.1
Main-2	28368	100-year	55.5	213.82	215.17		215.17	0.000069	0.33	422.16	385.27	0.09	0.09
Main-2	28368	200-year	66	213.82	215.24		215.24	0.000082	0.37	447.57	387.9	0.1	0.1
Main-2	28368	350-year	74.9	213.82	215.32		215.32	0.000085	0.4	480.65	393.11	0.1	0.1
Main-2	28368	500-year	80.8	213.82	215.37		215.37	0.000088	0.41	499.19	397.13	0.11	0.11
Main-2	28368	1000-year	92.4	213.82	215.46		215.47	0.000092	0.44	537.96	400.83	0.11	0.11
Main-2	28368	Hazel	209.1	213.82	216		216.01	0.000158	0.69	756.79	413.43	0.15	0.15
Main-2	28225	25-year	36.1	213.67	214.67		214.67	0.000152	0.39	184.48	217.69	0.13	0.13
Main-2	28225	50-year	45.6	213.67	214.98		214.98	0.000088	0.36	252.48	220.48	0.1	0.1
Main-2	28225	100-year	55.5	213.67	215.16		215.16	0.000082	0.38	291.56	222.68	0.1	0.1
Main-2	28225	200-year	66	213.67	215.22		215.22	0.0001	0.43	305.53	223.19	0.11	0.11
Main-2	28225	350-year	74.9	213.67	215.3		215.31	0.000106	0.46	324.21	224.21	0.12	0.12
Main-2	28225	500-year	80.8	213.67	215.35		215.35	0.000112	0.48	334.53	224.79	0.12	0.12
Main-2	28225	1000-year	92.4	213.67	215.44		215.45	0.000119	0.52	356.07	225.65	0.13	0.13
Main-2	28225	Hazel	209.1	213.67	215.96		215.98	0.000245	0.89	473.36	232.19	0.19	0.19
Main-2	28164	25-year	36.1	213.69	214.65		214.66	0.000397	0.6	138.51	180.61	0.21	0.21
Main-2	28164	50-year	45.6	213.69	214.97		214.98	0.00021	0.54	197.45	191.14	0.16	0.16
Main-2	28164	100-year	55.5	213.69	215.15		215.15	0.000189	0.56	231.69	195.63	0.15	0.15
Main-2	28164	200-year	66	213.69	215.21		215.21	0.000228	0.63	243.64	196.9	0.17	0.17
Main-2	28164	350-year	74.9	213.69	215.29		215.3	0.000239	0.67	260.05	199.58	0.17	0.17
Main-2	28164	500-year	80.8	213.69	215.34		215.34	0.00025	0.7	269.22	203.67	0.18	0.18
Main-2	28164	1000-year	92.4	213.69	215.43		215.44	0.000264	0.75	288.82	209.97	0.19	0.19
Main-2	28164	Hazel	209.1	213.69	215.94		215.96	0.00051	1.24	399.96	230.76	0.27	0.27
Main-2	28071	25-year	36.1	213.66	214.63		214.64	0.000434	0.64	134.68	193.63	0.22	0.22
Main-2	28071	50-year	45.6	213.66	214.96		214.96	0.000208	0.54	199.95	204.05	0.16	0.16
Main-2	28071	100-year	55.5	213.66	215.14		215.14	0.000183	0.56	236.76	209.31	0.15	0.15
Main-2	28071	200-year	66	213.66	215.2		215.2	0.000222	0.63	249.13	210.92	0.17	0.17
Main-2	28071	350-year	74.9	213.66	215.28		215.29	0.000232	0.67	266.59	212.87	0.17	0.17
Main-2	28071	500-year	80.8	213.66	215.32		215.33	0.000242	0.7	276.17	213.92	0.18	0.18
Main-2	28071	1000-year	92.4	213.66	215.42		215.43	0.000254	0.74	296.43	216.19	0.18	0.18
Main-2	28071	Hazel	209.1	213.66	215.91		215.93	0.0005	1.24	405.27	228.92	0.27	0.27
Main-2	28023	25-year	36.1	213.56	214.62		214.62	0.000253	0.5	168.29	210.22	0.17	0.17
Main-2	28023	50-year	45.6	213.56	214.95		214.96	0.000136	0.45	241.81	227.67	0.13	0.13
Main-2	28023	100-year	55.5	213.56	215.13		215.14	0.000124	0.47	283.16	234.4	0.12	0.12
Main-2	28023	200-year	66	213.56	215.19		215.19	0.000152	0.53	296.75	236.33	0.14	0.14
Main-2	28023	350-year	74.9	213.56	215.27		215.28	0.000161	0.57	316.27	239.56	0.14	0.14
Main-2	28023	500-year	80.8	213.56	215.32		215.32	0.000169	0.59	326.98	240.4	0.15	0.15

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-2	28023	1000-year	92.4	213.56	215.41		215.42	0.000179	0.63	349.64	242.82	0.15	0.15
Main-2	28023	Hazel	209.1	213.56	215.89		215.91	0.000368	1.07	469.77	254.87	0.23	0.23
Main-2	27878	25-year	36.1	213.52	214.61		214.61	0.000263	0.53	163.5	229.02	0.17	0.17
Main-2	27878	50-year	45.6	213.52	214.95		214.95	0.000119	0.44	243.77	239.65	0.12	0.12
Main-2	27878	100-year	55.5	213.52	215.13		215.13	0.000106	0.45	287.37	246.36	0.12	0.12
Main-2	27878	200-year	66	213.52	215.18		215.19	0.000129	0.51	301.34	248.3	0.13	0.13
Main-2	27878	350-year	74.9	213.52	215.27		215.27	0.000137	0.54	321.79	253.54	0.13	0.13
Main-2	27878	500-year	80.8	213.52	215.31		215.31	0.000143	0.56	333.03	253.92	0.14	0.14
Main-2	27878	1000-year	92.4	213.52	215.4		215.41	0.00015	0.6	356.86	255.99	0.14	0.14
Main-2	27878	Hazel	209.1	213.52	215.88		215.89	0.000303	0.99	481.23	267.85	0.21	0.21
Main-2	27816	25-year	36.1	213.57	214.6		214.61	0.000091	0.29	182.67	219.07	0.1	0.1
Main-2	27816	50-year	45.6	213.57	214.95		214.95	0.000049	0.27	259.89	233.3	0.08	0.08
Main-2	27816	100-year	55.5	213.57	215.13		215.13	0.000045	0.28	302.37	238.93	0.08	0.08
Main-2	27816	200-year	66	213.57	215.18		215.19	0.000056	0.32	315.83	239.47	0.08	0.08
Main-2	27816	350-year	74.9	213.57	215.26		215.27	0.00006	0.34	335.46	241.35	0.09	0.09
Main-2	27816	500-year	80.8	213.57	215.31		215.31	0.000063	0.36	346.17	242.32	0.09	0.09
Main-2	27816	1000-year	92.4	213.57	215.4		215.41	0.000068	0.39	368.93	244.5	0.1	0.1
Main-2	27816	Hazel	209.1	213.57	215.88		215.89	0.000148	0.67	487.23	254.21	0.15	0.15
Main-2	27633	25-year	36.1	213.46	214.59		214.6	0.000343	0.64	158.47	271.17	0.2	0.2
Main-2	27633	50-year	45.6	213.46	214.94		214.94	0.000133	0.48	256.82	289.07	0.13	0.13
Main-2	27633	100-year	55.5	213.46	215.12		215.12	0.000114	0.48	310	300.26	0.12	0.12
Main-2	27633	200-year	66	213.46	215.18		215.18	0.000138	0.54	326.65	303.69	0.14	0.14
Main-2	27633	350-year	74.9	213.46	215.26		215.26	0.000144	0.57	351.59	309.75	0.14	0.14
Main-2	27633	500-year	80.8	213.46	215.3		215.31	0.00015	0.6	365.29	312.89	0.14	0.14
Main-2	27633	1000-year	92.4	213.46	215.39		215.4	0.000156	0.63	394.63	317.14	0.15	0.15
Main-2	27633	Hazel	209.1	213.46	215.86		215.88	0.000309	1.03	549.97	344.46	0.21	0.21
Main-2	27584	25-year	36.1	213.46	214.58		214.59	0.000237	0.52	203.44	368.14	0.16	0.16
Main-2	27584	50-year	45.6	213.46	214.94		214.94	0.000084	0.38	339.99	397.72	0.1	0.1
Main-2	27584	100-year	55.5	213.46	215.12		215.12	0.000071	0.38	413.15	409.31	0.1	0.1
Main-2	27584	200-year	66	213.46	215.17		215.18	0.000085	0.42	435.61	410.63	0.11	0.11
Main-2	27584	350-year	74.9	213.46	215.26		215.26	0.000086	0.44	469.1	412.7	0.11	0.11
Main-2	27584	500-year	80.8	213.46	215.3		215.3	0.000089	0.46	487.27	413.67	0.11	0.11
Main-2	27584	1000-year	92.4	213.46	215.39		215.4	0.000092	0.48	525.98	417.12	0.11	0.11
Main-2	27584	Hazel	209.1	213.46	215.86		215.86	0.000172	0.76	722.13	424.08	0.16	0.16
Main-2	27497	25-year	36.1	213.42	214.56		214.57	0.000234	0.51	194.28	330.46	0.16	0.16
Main-2	27497	50-year	45.6	213.42	214.93		214.93	0.000084	0.38	320.7	352.44	0.1	0.1
Main-2	27497	100-year	55.5	213.42	215.11		215.12	0.000071	0.38	385.31	356.33	0.1	0.1
Main-2	27497	200-year	66	213.42	215.17		215.17	0.000086	0.42	404.46	357.19	0.11	0.11
Main-2	27497	350-year	74.9	213.42	215.25		215.25	0.000089	0.45	433.49	358.35	0.11	0.11
Main-2	27497	500-year	80.8	213.42	215.29		215.3	0.000092	0.46	449.15	358.76	0.11	0.11
Main-2	27497	1000-year	92.4	213.42	215.39		215.39	0.000096	0.49	482.7	365.9	0.12	0.12
Main-2	27497	Hazel	209.1	213.42	215.84		215.85	0.000195	0.81	653.12	377.08	0.17	0.17
Main-2	27392	25-year	36.1	213.39	214.55		214.55	0.00013	0.4	237.16	290.67	0.12	0.12
Main-2	27392	50-year	45.6	213.39	214.93		214.93	0.000061	0.33	347.7	298.71	0.09	0.09
Main-2	27392	100-year	55.5	213.39	215.11		215.11	0.000057	0.35	402.53	301.78	0.09	0.09
Main-2	27392	200-year	66	213.39	215.16		215.16	0.000071	0.4	418.44	302.68	0.1	0.1
Main-2	27392	350-year	74.9	213.39	215.24		215.24	0.000076	0.42	442.93	303.69	0.1	0.1
Main-2	27392	500-year	80.8	213.39	215.29		215.29	0.000081	0.44	456.14	304.47	0.11	0.11
Main-2	27392	1000-year	92.4	213.39	215.38		215.38	0.000087	0.48	484.35	305.85	0.11	0.11
Main-2	27392	Hazel	209.1	213.39	215.83		215.84	0.000198	0.83	623.5	311.66	0.17	0.17
Main-2	27202	25-year	36.1	213.16	214.54		214.54	0.000196	0.55	194.04	260.47	0.15	0.15
Main-2	27202	50-year	45.6	213.16	214.92		214.92	0.000087	0.44	296.15	273.6	0.11	0.11
Main-2	27202	100-year	55.5	213.16	215.1		215.11	0.00008	0.45	346.94	280.9	0.1	0.1
Main-2	27202	200-year	66	213.16	215.15		215.16	0.000101	0.51	361.39	283.76	0.12	0.12
Main-2	27202	350-year	74.9	213.16	215.24		215.24	0.000108	0.55	384.31	287.61	0.12	0.12
Main-2	27202	500-year	80.8	213.16	215.28		215.28	0.000114	0.57	396.69	288.9	0.13	0.13
Main-2	27202	1000-year	92.4	213.16	215.37		215.37	0.000122	0.61	423.38	291.96	0.13	0.13
Main-2	27202	Hazel	209.1	213.16	215.81		215.82	0.000276	1.03	554.99	306.34	0.2	0.2

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-2	27027	25-year	36.1	213.03	214.52		214.52	0.000148	0.49	204.11	245.02	0.13	0.13
Main-2	27027	50-year	45.6	213.03	214.91		214.91	0.000071	0.4	301.9	252.93	0.1	0.1
Main-2	27027	100-year	55.5	213.03	215.1		215.1	0.000067	0.42	348.81	257.8	0.1	0.1
Main-2	27027	200-year	66	213.03	215.14		215.15	0.000085	0.48	361.49	259.07	0.11	0.11
Main-2	27027	350-year	74.9	213.03	215.22		215.23	0.000093	0.51	382.16	261.45	0.11	0.11
Main-2	27027	500-year	80.8	213.03	215.27		215.27	0.000099	0.54	393.23	262.22	0.12	0.12
Main-2	27027	1000-year	92.4	213.03	215.36		215.36	0.000108	0.58	417.13	264.21	0.12	0.12
Main-2	27027	Hazel	209.1	213.03	215.78		215.79	0.000265	1.01	531.99	284.53	0.2	0.2
Main-2	26884	25-year	36.1	212.81	214.51		214.52	0.000087	0.41	248.27	250.26	0.1	0.1
Main-2	26884	50-year	45.6	212.81	214.91		214.91	0.000048	0.35	348.68	257.54	0.08	0.08
Main-2	26884	100-year	55.5	212.81	215.09		215.1	0.000048	0.37	396.25	260.07	0.08	0.08
Main-2	26884	200-year	66	212.81	215.14		215.14	0.000061	0.43	408.88	260.81	0.09	0.09
Main-2	26884	350-year	74.9	212.81	215.22		215.22	0.000067	0.46	429.56	262.12	0.1	0.1
Main-2	26884	500-year	80.8	212.81	215.26		215.27	0.000072	0.48	440.61	262.63	0.1	0.1
Main-2	26884	1000-year	92.4	212.81	215.35		215.36	0.00008	0.52	464.43	263.55	0.11	0.11
Main-2	26884	Hazel	209.1	212.81	215.77		215.78	0.000207	0.93	574.95	267.84	0.18	0.18
Main-2	26773	25-year	36.1	212.75	214.51		214.51	0.000085	0.43	236.12	235.77	0.11	0.11
Main-2	26773	50-year	45.6	212.75	214.91		214.91	0.000048	0.37	330.98	241.44	0.08	0.08
Main-2	26773	100-year	55.5	212.75	215.09		215.09	0.000048	0.4	375.59	243.88	0.08	0.08
Main-2	26773	200-year	66	212.75	215.14		215.14	0.000062	0.46	387.26	244.68	0.1	0.1
Main-2	26773	350-year	74.9	212.75	215.22		215.22	0.000068	0.49	406.58	245.99	0.1	0.1
Main-2	26773	500-year	80.8	212.75	215.26		215.26	0.000074	0.51	416.88	246.34	0.11	0.11
Main-2	26773	1000-year	92.4	212.75	215.35		215.35	0.000082	0.56	439.1	247.05	0.11	0.11
Main-2	26773	Hazel	209.1	212.75	215.76		215.77	0.000217	1	540.87	251.12	0.19	0.19
Main-2	26690	25-year	36.1	212.7	214.51		214.51	0.00007	0.39	248.74	272.84	0.1	0.1
Main-2	26690	50-year	45.6	212.7	214.91		214.91	0.000036	0.32	361.03	288.79	0.07	0.07
Main-2	26690	100-year	55.5	212.7	215.09		215.09	0.000034	0.33	414.71	298.64	0.07	0.07
Main-2	26690	200-year	66	212.7	215.14		215.14	0.000044	0.38	428.96	301.33	0.08	0.08
Main-2	26690	350-year	74.9	212.7	215.22		215.22	0.000048	0.41	452.8	304.5	0.08	0.08
Main-2	26690	500-year	80.8	212.7	215.26		215.26	0.000051	0.43	465.56	306.26	0.09	0.09
Main-2	26690	1000-year	92.4	212.7	215.35		215.35	0.000056	0.46	493.32	309.91	0.09	0.09
Main-2	26690	Hazel	209.1	212.7	215.75		215.76	0.000139	0.79	622.22	326.01	0.15	0.15
Main-2	26564	25-year	36.1	212.75	214.5		214.5	0.000042	0.31	221.69	273.13	0.08	0.08
Main-2	26564	50-year	45.6	212.75	214.9		214.9	0.000019	0.24	335.61	293.66	0.05	0.05
Main-2	26564	100-year	55.5	212.75	215.09		215.09	0.000018	0.25	390.55	302.99	0.05	0.05
Main-2	26564	200-year	66	212.75	215.13		215.14	0.000023	0.28	404.79	305.81	0.06	0.06
Main-2	26564	350-year	74.9	212.75	215.21		215.21	0.000025	0.3	428.9	308.81	0.06	0.06
Main-2	26564	500-year	80.8	212.75	215.25		215.26	0.000026	0.31	441.76	309.98	0.06	0.06
Main-2	26564	1000-year	92.4	212.75	215.34		215.35	0.000028	0.33	469.72	312.81	0.07	0.07
Main-2	26564	Hazel	209.1	212.75	215.75		215.75	0.000069	0.57	598.21	326.18	0.11	0.11
Main-2	26562	25-year	36.1	212.68	214.43	213.53	214.49	0.000503	1.04	34.38	275.08	0.26	0.26
Main-2	26562	50-year	45.6	212.68	214.83	213.65	214.89	0.000366	1.02	43.62	291.12	0.23	0.23
Main-2	26562	100-year	55.5	212.68	215.09	213.76	215.09	0.000021	0.26	295.99	300.25	0.06	0.06
Main-2	26562	200-year	66	212.68	215.13	213.88	215.14	0.000027	0.3	305.68	301.53	0.06	0.06
Main-2	26562	350-year	74.9	212.68	215.21	213.98	215.21	0.000029	0.32	322.07	304.68	0.07	0.07
Main-2	26562	500-year	80.8	212.68	215.25	214.04	215.26	0.000019	0.27	456.42	305.73	0.05	0.05
Main-2	26562	1000-year	92.4	212.68	215.34	214.14	215.35	0.000021	0.28	483.99	307.99	0.06	0.06
Main-2	26562	Hazel	209.1	212.68	215.75	214.87	215.75	0.000051	0.49	610.05	319.79	0.09	0.09
Main-2	26551		Bridge										
Main-2	26536	25-year	36.1	212.73	213.89	213.75	214.16	0.005479	2.38	17.48	240.75	0.77	0.77
Main-2	26536	50-year	45.6	212.73	213.94	213.88	214.33	0.007286	2.84	18.6	253.9	0.9	0.9
Main-2	26536	100-year	55.5	212.73	214.01	214.01	214.5	0.008915	3.23	19.96	258.87	1	1
Main-2	26536	200-year	66	212.73	214.15	214.15	214.68	0.008217	3.37	23.11	266.98	0.98	0.98
Main-2	26536	350-year	74.9	212.73	214.24	214.24	214.82	0.008199	3.53	25.21	269.89	0.99	0.99
Main-2	26536	500-year	80.8	212.73	214.3	214.3	214.91	0.008154	3.63	26.58	272.4	1	1
Main-2	26536	1000-year	92.4	212.73	214.53	214.42	214.54	0.000226	0.67	248.21	281.53	0.17	0.17
Main-2	26536	Hazel	209.1	212.73	215.23	214.5	215.24	0.000183	0.77	473.69	291.29	0.16	0.16

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-2	26518	25-year	36.1	212.68	214.01		214.02	0.000156	0.47	185.58	269.52	0.14	0.14
Main-2	26518	50-year	45.6	212.68	214.12		214.13	0.000165	0.51	214.5	272.95	0.14	0.14
Main-2	26518	100-year	55.5	212.68	214.22		214.23	0.000174	0.55	241.92	276.03	0.15	0.15
Main-2	26518	200-year	66	212.68	214.32		214.32	0.000181	0.58	268.51	277.98	0.15	0.15
Main-2	26518	350-year	74.9	212.68	214.39		214.4	0.000186	0.61	289.7	279.01	0.16	0.16
Main-2	26518	500-year	80.8	212.68	214.44		214.45	0.00019	0.63	303.1	279.87	0.16	0.16
Main-2	26518	1000-year	92.4	212.68	214.53		214.54	0.000196	0.66	328.33	282.19	0.16	0.16
Main-2	26518	Hazel	209.1	212.68	215.22		215.24	0.000239	0.92	528.39	298.09	0.19	0.19
Main-2	26406	25-year	36.1	212.65	214		214.01	0.000176	0.52	179.36	240.04	0.15	0.15
Main-2	26406	50-year	45.6	212.65	214.11		214.11	0.00019	0.57	204.99	245.36	0.15	0.15
Main-2	26406	100-year	55.5	212.65	214.2		214.21	0.000205	0.62	229.54	249.84	0.16	0.16
Main-2	26406	200-year	66	212.65	214.3		214.31	0.000217	0.66	253.54	253.61	0.17	0.17
Main-2	26406	350-year	74.9	212.65	214.38		214.38	0.000226	0.7	272.94	258.55	0.17	0.17
Main-2	26406	500-year	80.8	212.65	214.42		214.43	0.000232	0.72	285.29	260.49	0.18	0.18
Main-2	26406	1000-year	92.4	212.65	214.51		214.52	0.000241	0.76	308.71	264.25	0.18	0.18
Main-2	26406	Hazel	209.1	212.65	215.2		215.22	0.000307	1.06	507.17	318.56	0.22	0.22
Main-2	26354	25-year	36.1	212.67	213.98		213.99	0.000438	0.69	125.96	182.96	0.22	0.22
Main-2	26354	50-year	45.6	212.67	214.09		214.1	0.000456	0.75	145.18	185.54	0.23	0.23
Main-2	26354	100-year	55.5	212.67	214.18		214.2	0.000473	0.81	163.39	187.95	0.24	0.24
Main-2	26354	200-year	66	212.67	214.28		214.29	0.00049	0.87	181.1	190.39	0.24	0.24
Main-2	26354	350-year	74.9	212.67	214.35		214.37	0.000501	0.91	195.3	191.84	0.25	0.25
Main-2	26354	500-year	80.8	212.67	214.4		214.41	0.000508	0.94	204.33	193.28	0.25	0.25
Main-2	26354	1000-year	92.4	212.67	214.49		214.5	0.00052	0.99	221.37	195.03	0.26	0.26
Main-2	26354	Hazel	209.1	212.67	215.16		215.19	0.000614	1.38	359.06	213.28	0.3	0.3
Main-2	26257	25-year	36.1	212.64	213.87		213.91	0.001541	1.27	63.25	109.04	0.41	0.41
Main-2	26257	50-year	45.6	212.64	213.96		214.02	0.001612	1.38	73.81	111.88	0.43	0.43
Main-2	26257	100-year	55.5	212.64	214.05		214.11	0.00167	1.49	83.95	114.34	0.44	0.44
Main-2	26257	200-year	66	212.64	214.14		214.2	0.001724	1.59	93.91	116.7	0.45	0.45
Main-2	26257	350-year	74.9	212.64	214.21		214.28	0.001762	1.66	101.9	118.38	0.46	0.46
Main-2	26257	500-year	80.8	212.64	214.25		214.32	0.001788	1.71	106.96	119.49	0.47	0.47
Main-2	26257	1000-year	92.4	212.64	214.33		214.41	0.001845	1.8	116.53	122.37	0.48	0.48
Main-2	26257	Hazel	209.1	212.64	214.95		215.08	0.002111	2.45	196.79	136.69	0.55	0.55
Main-2	26183	25-year	36.1	212.5	213.76		213.81	0.001286	1.3	71.65	128.72	0.39	0.39
Main-2	26183	50-year	45.6	212.5	213.86		213.9	0.001362	1.41	83.58	130.71	0.4	0.4
Main-2	26183	100-year	55.5	212.5	213.94		213.99	0.001434	1.51	94.8	132.94	0.42	0.42
Main-2	26183	200-year	66	212.5	214.02		214.08	0.001489	1.61	105.94	134.71	0.43	0.43
Main-2	26183	350-year	74.9	212.5	214.09		214.15	0.001534	1.68	114.81	136.54	0.44	0.44
Main-2	26183	500-year	80.8	212.5	214.13		214.19	0.001558	1.72	120.46	137.38	0.44	0.44
Main-2	26183	1000-year	92.4	212.5	214.21		214.28	0.001602	1.81	131.09	138.94	0.45	0.45
Main-2	26183	Hazel	209.1	212.5	214.81		214.92	0.001843	2.4	218.38	148.36	0.51	0.51
Main-2	26056	25-year	36.1	212.42	213.63		213.67	0.0012	1.2	73.62	146.57	0.37	0.37
Main-2	26056	50-year	45.6	212.42	213.72		213.76	0.001249	1.3	86.99	149.5	0.38	0.38
Main-2	26056	100-year	55.5	212.42	213.8		213.85	0.001287	1.38	99.57	150.88	0.39	0.39
Main-2	26056	200-year	66	212.42	213.89		213.94	0.001313	1.45	112.15	152.34	0.4	0.4
Main-2	26056	350-year	74.9	212.42	213.95		214.01	0.001332	1.51	122.08	153.18	0.41	0.41
Main-2	26056	500-year	80.8	212.42	213.99		214.05	0.001346	1.55	128.36	153.87	0.41	0.41
Main-2	26056	1000-year	92.4	212.42	214.07		214.13	0.001369	1.62	140.14	154.82	0.42	0.42
Main-2	26056	Hazel	209.1	212.42	214.67		214.76	0.001534	2.14	236.42	165.56	0.47	0.47
Main-2	25985	25-year	36.1	212.45	213.54		213.58	0.001317	1.18	78.7	150.15	0.38	0.38
Main-2	25985	50-year	45.6	212.45	213.63		213.67	0.00137	1.27	91.69	151.07	0.39	0.39
Main-2	25985	100-year	55.5	212.45	213.71		213.75	0.00141	1.36	104.02	151.65	0.4	0.4
Main-2	25985	200-year	66	212.45	213.79		213.83	0.001435	1.43	116.35	152.23	0.41	0.41
Main-2	25985	350-year	74.9	212.45	213.86		213.9	0.001457	1.49	126.02	152.68	0.42	0.42
Main-2	25985	500-year	80.8	212.45	213.9		213.94	0.001472	1.53	132.11	152.95	0.42	0.42
Main-2	25985	1000-year	92.4	212.45	213.97		214.02	0.001497	1.6	143.54	153.33	0.43	0.43
Main-2	25985	Hazel	209.1	212.45	214.56		214.64	0.001757	2.19	238.05	170.16	0.49	0.49
Main-2	25946	25-year	36.1	212.39	213.47		213.49	0.000937	0.95	87.47	214.92	0.32	0.32

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-2	25946	50-year	45.6	212.39	213.55		213.58	0.00091	1	106.76	216.14	0.32	0.32
Main-2	25946	100-year	55.5	212.39	213.64		213.67	0.000896	1.04	124.91	218.82	0.32	0.32
Main-2	25946	200-year	66	212.39	213.72		213.75	0.000883	1.09	143.44	224.79	0.32	0.32
Main-2	25946	350-year	74.9	212.39	213.79		213.82	0.000871	1.12	158.19	226.79	0.32	0.32
Main-2	25946	500-year	80.8	212.39	213.83		213.86	0.000864	1.14	167.5	227.68	0.32	0.32
Main-2	25946	1000-year	92.4	212.39	213.9		213.94	0.000854	1.18	185	229.39	0.32	0.32
Main-2	25946	Hazel	209.1	212.39	214.5		214.55	0.000832	1.49	325.02	238.06	0.34	0.34
Main-2	25843	25-year	36.1	212.35	213.41		213.43	0.000527	0.74	111.81	216.94	0.24	0.24
Main-2	25843	50-year	45.6	212.35	213.5		213.52	0.000546	0.8	131.43	225.27	0.25	0.25
Main-2	25843	100-year	55.5	212.35	213.58		213.6	0.000563	0.85	150.63	233.6	0.26	0.26
Main-2	25843	200-year	66	212.35	213.67		213.69	0.000566	0.89	170.22	236.55	0.26	0.26
Main-2	25843	350-year	74.9	212.35	213.73		213.75	0.000569	0.93	185.85	239.15	0.26	0.26
Main-2	25843	500-year	80.8	212.35	213.77		213.79	0.000572	0.95	195.72	240.8	0.26	0.26
Main-2	25843	1000-year	92.4	212.35	213.85		213.87	0.000577	0.99	214.37	246.15	0.27	0.27
Main-2	25843	Hazel	209.1	212.35	214.45		214.48	0.000613	1.3	373.67	301.23	0.29	0.29
Main-2	25746	25-year	36.1	212.43	213.37		213.38	0.000689	0.77	117.76	218.88	0.27	0.27
Main-2	25746	50-year	45.6	212.43	213.46		213.47	0.000699	0.83	137.27	223.37	0.28	0.28
Main-2	25746	100-year	55.5	212.43	213.54		213.55	0.000702	0.88	155.87	225.29	0.28	0.28
Main-2	25746	200-year	66	212.43	213.62		213.64	0.000701	0.93	174.77	227.86	0.28	0.28
Main-2	25746	350-year	74.9	212.43	213.69		213.7	0.0007	0.96	189.79	229.18	0.29	0.29
Main-2	25746	500-year	80.8	212.43	213.73		213.75	0.000703	0.99	199.22	230.45	0.29	0.29
Main-2	25746	1000-year	92.4	212.43	213.81		213.82	0.000709	1.04	216.9	232.96	0.29	0.29
Main-2	25746	Hazel	209.1	212.43	214.4		214.43	0.000765	1.39	360.22	248.25	0.33	0.33
Main-2	25606	25-year	36.1	212.42	213.27		213.29	0.001419	1.07	86.59	164.55	0.38	0.38
Main-2	25606	50-year	45.6	212.42	213.36		213.38	0.001409	1.14	101.19	166.95	0.39	0.39
Main-2	25606	100-year	55.5	212.42	213.44		213.46	0.001401	1.21	115.09	168.26	0.39	0.39
Main-2	25606	200-year	66	212.42	213.52		213.55	0.001389	1.28	129.3	170.73	0.4	0.4
Main-2	25606	350-year	74.9	212.42	213.59		213.62	0.001381	1.32	140.6	172.13	0.4	0.4
Main-2	25606	500-year	80.8	212.42	213.63		213.66	0.001383	1.36	147.59	172.91	0.4	0.4
Main-2	25606	1000-year	92.4	212.42	213.7		213.74	0.001391	1.42	160.64	174.28	0.41	0.41
Main-2	25606	Hazel	209.1	212.42	214.28		214.34	0.001507	1.91	264.54	183.7	0.45	0.45
Main-2	25498	25-year	36.1	212.15	213.07		213.11	0.001943	1.22	58.46	112.51	0.45	0.45
Main-2	25498	50-year	45.6	212.15	213.15		213.2	0.002014	1.33	67.79	114.07	0.46	0.46
Main-2	25498	100-year	55.5	212.15	213.22		213.28	0.002076	1.43	76.63	114.89	0.48	0.48
Main-2	25498	200-year	66	212.15	213.3		213.36	0.002149	1.53	85.12	117.36	0.49	0.49
Main-2	25498	350-year	74.9	212.15	213.36		213.43	0.00218	1.61	92.41	121.27	0.5	0.5
Main-2	25498	500-year	80.8	212.15	213.4		213.47	0.002216	1.66	96.84	123.46	0.51	0.51
Main-2	25498	1000-year	92.4	212.15	213.46		213.55	0.002289	1.75	105.08	125.55	0.52	0.52
Main-2	25498	Hazel	209.1	212.15	213.97		214.12	0.002729	2.44	172.74	139.3	0.6	0.6
Main-2	25403	25-year	40.8	212.11	212.79		212.82	0.003402	1.31	67.55	127.33	0.56	0.56
Main-2	25403	50-year	51.1	212.11	212.86		212.89	0.003589	1.46	76.25	127.9	0.59	0.59
Main-2	25403	100-year	62	212.11	212.92		212.96	0.003816	1.6	84.28	128.58	0.62	0.62
Main-2	25403	200-year	73.4	212.11	212.98		213.02	0.004075	1.74	91.62	129.12	0.64	0.64
Main-2	25403	350-year	83.1	212.11	213.02		213.08	0.004218	1.85	97.8	129.36	0.66	0.66
Main-2	25403	500-year	89.4	212.11	213.06		213.11	0.004272	1.91	101.86	129.51	0.67	0.67
Main-2	25403	1000-year	101.9	212.11	213.11		213.18	0.004413	2.03	109.24	129.78	0.69	0.69
Main-2	25403	Hazel	222.5	212.11	213.55		213.68	0.005357	2.93	167.77	136.81	0.81	0.81
Main-2	25335	25-year	40.8	211.87	212.34	212.17	212.37	0.011145	1.76	51.94	148.34	0.94	0.94
Main-2	25335	50-year	51.1	211.87	212.4	212.22	212.45	0.009902	1.73	62.27	151.89	0.89	0.89
Main-2	25335	100-year	62	211.87	212.47	212.25	212.51	0.00942	1.78	71.62	153.93	0.88	0.88
Main-2	25335	200-year	73.4	211.87	212.52	212.28	212.57	0.009367	1.91	79.45	154.38	0.89	0.89
Main-2	25335	350-year	83.1	211.87	212.57		212.62	0.008703	1.98	87.56	154.74	0.88	0.88
Main-2	25335	500-year	89.4	211.87	212.59		212.65	0.008903	2.06	90.88	154.88	0.89	0.89
Main-2	25335	1000-year	101.9	211.87	212.65		212.71	0.008438	2.14	99.97	155.31	0.88	0.88
Main-2	25335	Hazel	222.5	211.87	213.03	212.62	213.15	0.008608	3.01	161.23	166.39	0.97	0.97
Main-2	25233	25-year	40.8	211.14	211.4	211.32	211.51	0.021252	1.57	29.77	105.18	1.16	1.16
Main-2	25233	50-year	51.1	211.14	211.45	211.43	211.57	0.024681	1.9	35.29	129.41	1.29	1.29
Main-2	25233	100-year	62	211.14	211.49	211.49	211.62	0.026929	2.16	41.75	154.49	1.38	1.38

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-2	25233	200-year	73.4	211.14	211.57	211.53	211.67	0.026903	2.4	54.82	187.07	1.41	1.41
Main-2	25233	350-year	83.1	211.14	211.57	211.55	211.7	0.032391	2.68	56.24	188.2	1.56	1.56
Main-2	25233	500-year	89.4	211.14	211.6	211.57	211.73	0.03053	2.76	61.32	193.71	1.53	1.53
Main-2	25233	1000-year	101.9	211.14	211.62	211.6	211.77	0.0347	3.04	64.73	198.24	1.65	1.65
Main-2	25233	Hazel	222.5	211.14	211.83	211.83	212.1	0.044179	4.75	110.33	213.7	2.02	2.02
Main-2	25133	25-year	40.8	210.31	209.16		209.23	0.040893		33.92	149.32	0	0
Main-2	25133	50-year	51.1	210.31	209.21		209.29	0.033815		42.11	160.17	0	0
Main-2	25133	100-year	62	210.31	209.26		209.34	0.03125		49.81	172.16	0	0
Main-2	25133	200-year	73.4	210.31	209.29		209.38	0.031554		55.7	176.34	0	0
Main-2	25133	350-year	83.1	210.31	209.35		209.43	0.025884		65.4	181.27	0	0
Main-2	25133	500-year	89.4	210.31	209.36		209.45	0.027393		67.27	181.6	0	0
Main-2	25133	1000-year	101.9	210.31	209.41		209.5	0.024151		76.08	185.43	0	0
Main-2	25133	Hazel	222.5	210.31	209.71		209.85	0.018791		136.18	206.75	0	0
Main-2	25036	25-year	40.8	207.22	208.2	208.2	208.33	0.005745	2.17	52.2	200.87	0.77	0.77
Main-2	25036	50-year	51.1	207.22	208.24	208.24	208.39	0.006296	2.36	61.98	209.77	0.82	0.82
Main-2	25036	100-year	62	207.22	208.29	208.29	208.45	0.00657	2.5	72.46	219.57	0.84	0.84
Main-2	25036	200-year	73.4	207.22	208.34	208.34	208.5	0.006547	2.59	83.53	226.42	0.85	0.85
Main-2	25036	350-year	83.1	207.22	208.36	208.36	208.54	0.007348	2.78	88.06	228.99	0.9	0.9
Main-2	25036	500-year	89.4	207.22	208.39	208.39	208.56	0.007132	2.79	94.39	233.06	0.89	0.89
Main-2	25036	1000-year	101.9	207.22	208.42	208.42	208.61	0.007671	2.95	101.69	239.99	0.93	0.93
Main-2	25036	Hazel	222.5	207.22	208.7	208.7	208.95	0.009384	3.83	174.16	285.11	1.07	1.07
Main-2	24977	25-year	40.8	206.77	207.56	207.56	207.69	0.011395	2.63	47.97	172.35	1.05	1.05
Main-2	24977	50-year	51.1	206.77	207.61	207.61	207.75	0.011208	2.76	57.96	181.66	1.05	1.05
Main-2	24977	100-year	62	206.77	207.65	207.65	207.8	0.012024	2.96	64.98	185.06	1.1	1.1
Main-2	24977	200-year	73.4	206.77	207.69	207.69	207.84	0.012218	3.1	72.66	191.17	1.12	1.12
Main-2	24977	350-year	83.1	206.77	207.72	207.72	207.88	0.012725	3.24	78.19	198.79	1.15	1.15
Main-2	24977	500-year	89.4	206.77	207.76	207.72	207.91	0.011415	3.16	86.07	217.41	1.1	1.1
Main-2	24977	1000-year	101.9	206.77	207.9		208	0.006547	2.66	123.03	286.57	0.85	0.85
Main-2	24977	Hazel	222.5	206.77	208.38		208.44	0.003325	2.46	281.91	381.29	0.65	0.65
Main-2	24918	25-year	40.8	206.36	207.02		207.06	0.005932	1.7	66.88	204.01	0.73	0.73
Main-2	24918	50-year	51.1	206.36	207.22		207.24	0.00221	1.28	111.65	241.72	0.47	0.47
Main-2	24918	100-year	62	206.36	207.41		207.43	0.001243	1.12	162.61	302.34	0.37	0.37
Main-2	24918	200-year	73.4	206.36	207.6		207.61	0.000725	0.96	220.22	322.53	0.29	0.29
Main-2	24918	350-year	83.1	206.36	207.71		207.72	0.000586	0.92	256.82	336.55	0.26	0.26
Main-2	24918	500-year	89.4	206.36	207.78		207.78	0.000523	0.9	280.49	347.45	0.25	0.25
Main-2	24918	1000-year	101.9	206.36	207.9		207.91	0.000445	0.88	324.26	356.76	0.24	0.24
Main-2	24918	Hazel	222.5	206.36	208.35		208.36	0.000606	1.24	491.67	387.58	0.29	0.29
Main-2	24845	25-year	40.8	205.54	206.99		207	0.000364	0.75	162.93	247.2	0.21	0.21
Main-2	24845	50-year	51.1	205.54	207.2		207.21	0.000258	0.7	220.85	296.29	0.18	0.18
Main-2	24845	100-year	62	205.54	207.4		207.4	0.0002	0.66	281.16	317.98	0.16	0.16
Main-2	24845	200-year	73.4	205.54	207.58		207.59	0.000162	0.64	342.71	335.94	0.15	0.15
Main-2	24845	350-year	83.1	205.54	207.7		207.7	0.000153	0.65	380.74	340.44	0.15	0.15
Main-2	24845	500-year	89.4	205.54	207.77		207.77	0.000148	0.65	404.64	343.17	0.14	0.14
Main-2	24845	1000-year	101.9	205.54	207.89		207.9	0.000143	0.66	447.84	346.96	0.14	0.14
Main-2	24845	Hazel	222.5	205.54	208.33		208.34	0.000277	1.04	603.7	361.57	0.21	0.21
Main-2	24804	25-year	40.8	205.17	206.98		206.99	0.000152	0.56	199.82	297.66	0.14	0.14
Main-2	24804	50-year	51.1	205.17	207.2		207.2	0.00011	0.52	266.35	321.87	0.12	0.12
Main-2	24804	100-year	62	205.17	207.39		207.4	0.000088	0.5	332.93	351.8	0.11	0.11
Main-2	24804	200-year	73.4	205.17	207.58		207.58	0.000072	0.48	400.26	362.42	0.1	0.1
Main-2	24804	350-year	83.1	205.17	207.69		207.7	0.000069	0.48	441.35	367.58	0.1	0.1
Main-2	24804	500-year	89.4	205.17	207.76		207.77	0.000067	0.49	467.21	371.1	0.1	0.1
Main-2	24804	1000-year	101.9	205.17	207.89		207.89	0.000066	0.5	514.12	376.96	0.1	0.1
Main-2	24804	Hazel	222.5	205.17	208.33		208.34	0.000131	0.78	683.09	394.9	0.14	0.14
Main-2	24801	25-year	40.8	205.19	206.86	206.29	206.96	0.001472	1.64	41.33	263.61	0.43	0.43
Main-2	24801	50-year	51.1	205.19	207.06	206.43	207.17	0.001392	1.74	50.59	304.91	0.43	0.43
Main-2	24801	100-year	62	205.19	207.25	206.54	207.36	0.00133	1.83	59.3	335.66	0.43	0.43
Main-2	24801	200-year	73.4	205.19	207.43	206.65	207.55	0.001279	1.9	67.72	351.46	0.43	0.43
Main-2	24801	350-year	83.1	205.19	207.69	206.78	207.69	0.000066	0.47	338.01	367.73	0.1	0.1

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-2	24801	500-year	89.4	205.19	207.76	206.82	207.77	0.000065	0.48	356.28	371.49	0.1	0.1
Main-2	24801	1000-year	101.9	205.19	207.89	206.93	207.89	0.000065	0.49	389.47	378.4	0.1	0.1
Main-2	24801	Hazel	222.5	205.19	208.32	207.68	208.33	0.00014	0.8	509.26	397.82	0.15	0.15
Main-2	24788		Mult Open										
Main-2	24776	25-year	40.8	204.75	206.3	206.3	206.74	0.005995	3.25	20.71	149.45	0.87	0.87
Main-2	24776	50-year	51.1	204.75	206.51	206.51	206.92	0.004933	3.24	28.47	251.85	0.8	0.8
Main-2	24776	100-year	62	204.75	206.71	206.71	207.07	0.00411	3.19	37.27	289.29	0.75	0.75
Main-2	24776	200-year	73.4	204.75	206.81	206.81	207.2	0.004326	3.38	41.89	294.07	0.77	0.77
Main-2	24776	350-year	83.1	204.75	206.88	206.88	207.29	0.004513	3.54	45.4	302.64	0.8	0.8
Main-2	24776	500-year	89.4	204.75	206.94	206.94	207.35	0.004484	3.6	48.22	309.25	0.8	0.8
Main-2	24776	1000-year	101.9	204.75	206.97	206.97	207.47	0.005294	3.96	50.11	314.25	0.87	0.87
Main-2	24776	Hazel	222.5	204.75	207.76	207.68	207.77	0.000232	1.02	436.11	375.03	0.19	0.19
Main-2	24772	25-year	40.8	204.74	206.25		206.28	0.000771	1.17	91.22	188.15	0.31	0.31
Main-2	24772	50-year	51.1	204.74	206.38		206.4	0.000647	1.14	119.07	257.14	0.29	0.29
Main-2	24772	100-year	62	204.74	206.5		206.52	0.000537	1.09	154.16	299.19	0.27	0.27
Main-2	24772	200-year	73.4	204.74	206.62		206.64	0.000446	1.04	191.04	310.29	0.25	0.25
Main-2	24772	350-year	83.1	204.74	206.72		206.73	0.000393	1.01	220.75	319.38	0.23	0.23
Main-2	24772	500-year	89.4	204.74	206.78		206.79	0.000364	0.99	240.2	325.95	0.23	0.23
Main-2	24772	1000-year	101.9	204.74	206.89		206.9	0.000321	0.97	277.03	335.36	0.21	0.21
Main-2	24772	Hazel	222.5	204.74	207.76		207.77	0.000166	0.88	597.13	390.25	0.16	0.16
Main-2	24725	25-year	40.8	204.68	206.2		206.24	0.000762	1.16	100.61	238.92	0.31	0.31
Main-2	24725	50-year	51.1	204.68	206.33		206.37	0.000675	1.16	133.75	271.57	0.29	0.29
Main-2	24725	100-year	62	204.68	206.46		206.49	0.000613	1.16	171.21	305.71	0.28	0.28
Main-2	24725	200-year	73.4	204.68	206.59		206.61	0.00053	1.13	210.17	307.9	0.27	0.27
Main-2	24725	350-year	83.1	204.68	206.68		206.71	0.000475	1.11	240.62	308.75	0.26	0.26
Main-2	24725	500-year	89.4	204.68	206.75		206.77	0.000445	1.1	259.89	309.33	0.25	0.25
Main-2	24725	1000-year	101.9	204.68	206.86		206.88	0.000404	1.09	295.34	310.36	0.24	0.24
Main-2	24725	Hazel	222.5	204.68	207.74		207.76	0.00027	1.12	571.62	318.53	0.21	0.21
Main-2	24675	25-year	40.8	204.64	206.11		206.19	0.001419	1.59	72.26	165.59	0.42	0.42
Main-2	24675	50-year	51.1	204.64	206.26		206.32	0.0012	1.56	97.73	182.48	0.4	0.4
Main-2	24675	100-year	62	204.64	206.4		206.45	0.001029	1.53	125.41	216.76	0.37	0.37
Main-2	24675	200-year	73.4	204.64	206.53		206.58	0.000923	1.52	155.44	235.85	0.36	0.36
Main-2	24675	350-year	83.1	204.64	206.63		206.68	0.000825	1.49	180.76	247.56	0.34	0.34
Main-2	24675	500-year	89.4	204.64	206.7		206.74	0.000783	1.48	196.8	249.07	0.33	0.33
Main-2	24675	1000-year	101.9	204.64	206.82		206.86	0.000707	1.46	226.72	255.18	0.32	0.32
Main-2	24675	Hazel	222.5	204.64	207.71		207.74	0.000431	1.44	472.37	281.87	0.26	0.26
Main-2	24619	25-year	40.8	204.63	206.1		206.11	0.000542	0.93	121.75	153.95	0.26	0.26
Main-2	24619	50-year	51.1	204.63	206.24		206.25	0.000512	0.97	143.67	154.82	0.25	0.25
Main-2	24619	100-year	62	204.63	206.38		206.39	0.00049	1.01	164.98	155.52	0.25	0.25
Main-2	24619	200-year	73.4	204.63	206.51		206.52	0.000478	1.04	185.24	156.11	0.25	0.25
Main-2	24619	350-year	83.1	204.63	206.61		206.63	0.000472	1.08	201.29	156.57	0.25	0.25
Main-2	24619	500-year	89.4	204.63	206.67		206.69	0.000469	1.1	211.23	156.88	0.25	0.25
Main-2	24619	1000-year	101.9	204.63	206.79		206.81	0.000468	1.14	229.62	157.44	0.26	0.26
Main-2	24619	Hazel	222.5	204.63	207.67		207.7	0.000515	1.52	372.72	172.93	0.28	0.28
Main-2	24570	25-year	40.8	204.61	206.08		206.09	0.000198	0.6	110.33	116.53	0.16	0.16
Main-2	24570	50-year	51.1	204.61	206.22		206.23	0.000205	0.65	126.89	118.02	0.16	0.16
Main-2	24570	100-year	62	204.61	206.36		206.37	0.000209	0.69	143.07	118.63	0.17	0.17
Main-2	24570	200-year	73.4	204.61	206.49		206.5	0.000215	0.74	158.47	119.35	0.17	0.17
Main-2	24570	350-year	83.1	204.61	206.59		206.61	0.000219	0.77	170.68	119.77	0.18	0.18
Main-2	24570	500-year	89.4	204.61	206.65		206.67	0.000222	0.79	178.24	120.17	0.18	0.18
Main-2	24570	1000-year	101.9	204.61	206.77		206.79	0.000229	0.83	192.24	120.63	0.18	0.18
Main-2	24570	Hazel	222.5	204.61	207.65		207.68	0.000281	1.16	311.39	144.74	0.21	0.21
Main-2	24495	25-year	40.8	204.6	206.04		206.07	0.000593	1.01	81.01	116.55	0.27	0.27
Main-2	24495	50-year	51.1	204.6	206.19		206.21	0.000558	1.04	97.85	119.17	0.27	0.27
Main-2	24495	100-year	62	204.6	206.33		206.35	0.000528	1.07	114.4	120.04	0.26	0.26
Main-2	24495	200-year	73.4	204.6	206.46		206.48	0.000511	1.11	130.07	120.76	0.26	0.26
Main-2	24495	350-year	83.1	204.6	206.56		206.59	0.000501	1.14	142.49	121.49	0.26	0.26

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-2	24495	500-year	89.4	204.6	206.62		206.65	0.000497	1.16	150.18	122.08	0.26	0.26
Main-2	24495	1000-year	101.9	204.6	206.74		206.77	0.000496	1.2	164.5	125.36	0.26	0.26
Main-2	24495	Hazel	222.5	204.6	207.61		207.66	0.000517	1.54	285.64	149.17	0.29	0.29
Main-2	24405	25-year	40.8	204.57	206.03		206.05	0.000256	0.67	83.11	93.25	0.18	0.18
Main-2	24405	50-year	51.1	204.57	206.17		206.19	0.000261	0.73	96.5	94.32	0.18	0.18
Main-2	24405	100-year	62	204.57	206.31		206.33	0.000265	0.77	109.56	95.13	0.19	0.19
Main-2	24405	200-year	73.4	204.57	206.44		206.46	0.00027	0.82	121.97	96.13	0.19	0.19
Main-2	24405	350-year	83.1	204.57	206.54		206.57	0.000275	0.86	131.81	96.66	0.2	0.2
Main-2	24405	500-year	89.4	204.57	206.61		206.63	0.000278	0.88	137.9	96.91	0.2	0.2
Main-2	24405	1000-year	101.9	204.57	206.72		206.75	0.000285	0.92	149.12	97.33	0.2	0.2
Main-2	24405	Hazel	222.5	204.57	207.59		207.64	0.000344	1.28	241.47	117.91	0.24	0.24
Main-2	24350	25-year	40.8	204.57	206.02		206.03	0.000288	0.68	76.63	81.06	0.19	0.19
Main-2	24350	50-year	51.1	204.57	206.16		206.18	0.000297	0.74	88.25	82.89	0.19	0.19
Main-2	24350	100-year	62	204.57	206.29		206.32	0.000304	0.79	99.74	84.68	0.2	0.2
Main-2	24350	200-year	73.4	204.57	206.42		206.45	0.000313	0.85	110.79	86.62	0.2	0.2
Main-2	24350	350-year	83.1	204.57	206.53		206.55	0.000319	0.89	119.63	87.54	0.21	0.21
Main-2	24350	500-year	89.4	204.57	206.59		206.62	0.000323	0.91	125.11	87.87	0.21	0.21
Main-2	24350	1000-year	101.9	204.57	206.7		206.73	0.000332	0.96	135.22	88.56	0.21	0.21
Main-2	24350	Hazel	222.5	204.57	207.56		207.62	0.000412	1.35	216.94	105.85	0.25	0.25
Main-2	24303	25-year	40.8	204.57	205.99		206.01	0.000448	0.89	63.2	69.34	0.24	0.24
Main-2	24303	50-year	51.1	204.57	206.12		206.16	0.000475	0.97	72.9	70.67	0.25	0.25
Main-2	24303	100-year	62	204.57	206.26		206.3	0.000496	1.05	82.44	71.62	0.26	0.26
Main-2	24303	200-year	73.4	204.57	206.38		206.43	0.000518	1.13	91.54	72.95	0.27	0.27
Main-2	24303	350-year	83.1	204.57	206.48		206.53	0.000536	1.19	98.8	74.22	0.27	0.27
Main-2	24303	500-year	89.4	204.57	206.54		206.59	0.000547	1.22	103.33	74.8	0.28	0.28
Main-2	24303	1000-year	101.9	204.57	206.65		206.71	0.00057	1.3	111.72	75.93	0.29	0.29
Main-2	24303	Hazel	222.5	204.57	207.48		207.59	0.000733	1.84	184.03	98.96	0.34	0.34
Main-2	24258	25-year	40.8	204.56	205.96		205.99	0.00046	0.88	55.87	56.08	0.24	0.24
Main-2	24258	50-year	51.1	204.56	206.09		206.13	0.0005	0.98	63.49	57.26	0.25	0.25
Main-2	24258	100-year	62	204.56	206.22		206.27	0.000533	1.07	71	58.15	0.27	0.27
Main-2	24258	200-year	73.4	204.56	206.35		206.4	0.000566	1.16	78.12	58.58	0.28	0.28
Main-2	24258	350-year	83.1	204.56	206.44		206.5	0.000591	1.22	83.74	58.92	0.29	0.29
Main-2	24258	500-year	89.4	204.56	206.5		206.56	0.000607	1.27	87.2	59.12	0.29	0.29
Main-2	24258	1000-year	101.9	204.56	206.61		206.68	0.00064	1.35	93.54	59.53	0.3	0.3
Main-2	24258	Hazel	222.5	204.56	207.39		207.54	0.000924	2.01	142.95	74.96	0.38	0.38
Main-2	24193	25-year	40.8	204.56	205.93		205.96	0.000419	0.83	54.13	47.79	0.23	0.23
Main-2	24193	50-year	51.1	204.56	206.06		206.1	0.00047	0.93	60.43	48.64	0.25	0.25
Main-2	24193	100-year	62	204.56	206.19		206.24	0.000515	1.03	66.61	49.53	0.26	0.26
Main-2	24193	200-year	73.4	204.56	206.31		206.36	0.00056	1.13	72.48	50.26	0.27	0.27
Main-2	24193	350-year	83.1	204.56	206.4		206.46	0.000595	1.2	77.13	50.78	0.29	0.29
Main-2	24193	500-year	89.4	204.56	206.46		206.52	0.000617	1.25	80.01	51.04	0.29	0.29
Main-2	24193	1000-year	101.9	204.56	206.56		206.64	0.000664	1.34	85.28	52.06	0.31	0.31
Main-2	24193	Hazel	222.5	204.56	207.3		207.48	0.001014	2.05	126.95	65.56	0.4	0.4
Main-2	24146	25-year	40.8	204.56	205.89		205.94	0.000629	1	50.45	49.52	0.28	0.28
Main-2	24146	50-year	51.1	204.56	206.02		206.07	0.000706	1.12	56.65	50.16	0.3	0.3
Main-2	24146	100-year	62	204.56	206.14		206.21	0.000774	1.24	62.72	51.06	0.32	0.32
Main-2	24146	200-year	73.4	204.56	206.25		206.33	0.000841	1.35	68.44	51.67	0.34	0.34
Main-2	24146	350-year	83.1	204.56	206.34		206.43	0.000894	1.44	72.97	52.17	0.35	0.35
Main-2	24146	500-year	89.4	204.56	206.39		206.49	0.000927	1.5	75.75	52.44	0.36	0.36
Main-2	24146	1000-year	101.9	204.56	206.48		206.6	0.000997	1.61	80.78	52.99	0.37	0.37
Main-2	24146	Hazel	222.5	204.56	207.16		207.41	0.001569	2.47	118.17	57.92	0.49	0.49
Main-2	24100	25-year	40.8	204.56	205.86		205.9	0.000794	1.07	58.35	71.82	0.31	0.31
Main-2	24100	50-year	51.1	204.56	205.98		206.04	0.000857	1.19	67.24	72.97	0.32	0.32
Main-2	24100	100-year	62	204.56	206.1		206.17	0.000911	1.29	76	74.4	0.34	0.34
Main-2	24100	200-year	73.4	204.56	206.21		206.29	0.000962	1.39	84.26	75.11	0.35	0.35
Main-2	24100	350-year	83.1	204.56	206.3		206.38	0.001004	1.48	90.77	75.71	0.36	0.36
Main-2	24100	500-year	89.4	204.56	206.35		206.44	0.001031	1.53	94.78	76.2	0.37	0.37
Main-2	24100	1000-year	101.9	204.56	206.44		206.54	0.001089	1.62	102.01	76.74	0.38	0.38

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-2	24100	Hazel	222.5	204.56	207.12		207.33	0.001564	2.4	155.71	81.74	0.48	0.48
Main-2	24000	25-year	40.8	204.53	205.69		205.79	0.001771	1.46	37.9	61.41	0.45	0.45
Main-2	24000	50-year	51.1	204.53	205.8		205.92	0.001931	1.62	44.71	69.46	0.48	0.48
Main-2	24000	100-year	62	204.53	205.89		206.04	0.002103	1.78	51.74	75.54	0.5	0.5
Main-2	24000	200-year	73.4	204.53	205.99		206.15	0.00222	1.92	58.94	77.28	0.52	0.52
Main-2	24000	350-year	83.1	204.53	206.06		206.24	0.002313	2.03	64.77	83.64	0.54	0.54
Main-2	24000	500-year	89.4	204.53	206.1		206.29	0.002387	2.1	68.37	85.13	0.55	0.55
Main-2	24000	1000-year	101.9	204.53	206.18		206.39	0.002486	2.22	75.31	86.48	0.57	0.57
Main-2	24000	Hazel	222.5	204.53	206.72		207.11	0.003519	3.22	127.98	108.99	0.71	0.71
Main-2	23900	25-year	40.8	204.52	205.59		205.65	0.001174	1.17	49.57	76.5	0.37	0.37
Main-2	23900	50-year	51.1	204.52	205.69		205.76	0.001256	1.29	57.59	80.51	0.38	0.38
Main-2	23900	100-year	62	204.52	205.79		205.87	0.001314	1.39	65.8	85.42	0.4	0.4
Main-2	23900	200-year	73.4	204.52	205.89		205.97	0.001371	1.5	74.18	89.93	0.41	0.41
Main-2	23900	350-year	83.1	204.52	205.96		206.05	0.001401	1.57	81.1	92.78	0.42	0.42
Main-2	23900	500-year	89.4	204.52	206.01		206.1	0.001428	1.62	85.23	94.23	0.43	0.43
Main-2	23900	1000-year	101.9	204.52	206.09		206.19	0.001516	1.72	92.75	100.17	0.44	0.44
Main-2	23900	Hazel	222.5	204.52	206.64		206.83	0.002024	2.44	154.34	127.14	0.54	0.54
Main-2	23800	25-year	40.8	204.51	205.37	205.23	205.48	0.003208	1.64	32.13	61.62	0.58	0.58
Main-2	23800	50-year	51.1	204.51	205.47	205.3	205.59	0.003109	1.73	38.46	63.68	0.58	0.58
Main-2	23800	100-year	62	204.51	205.58		205.7	0.002975	1.81	45.19	70.18	0.57	0.57
Main-2	23800	200-year	73.4	204.51	205.67		205.81	0.002916	1.9	52.09	80.55	0.58	0.58
Main-2	23800	350-year	83.1	204.51	205.75		205.89	0.00286	1.97	58.46	85.12	0.58	0.58
Main-2	23800	500-year	89.4	204.51	205.79		205.94	0.002796	2	62.57	87.79	0.57	0.57
Main-2	23800	1000-year	101.9	204.51	205.86		206.02	0.002898	2.11	68.58	88.7	0.59	0.59
Main-2	23800	Hazel	222.5	204.51	206.28		206.6	0.004246	3.08	107.79	96.89	0.75	0.75
Main-2	23768	25-year	40.8	204.49	205.09		205.22	0.006701	1.85	29.89	54.45	0.79	0.79
Main-2	23768	50-year	51.1	204.49	205.13		205.31	0.008355	2.16	32.27	59.1	0.89	0.89
Main-2	23768	100-year	62	204.49	205.18	205.1	205.41	0.009567	2.43	35.59	65.74	0.96	0.96
Main-2	23768	200-year	73.4	204.49	205.25	205.17	205.51	0.010046	2.62	40.06	72.51	1	1
Main-2	23768	350-year	83.1	204.49	205.3	205.24	205.59	0.01023	2.77	44.1	79	1.02	1.02
Main-2	23768	500-year	89.4	204.49	205.34	205.24	205.64	0.010134	2.84	47.21	83.89	1.02	1.02
Main-2	23768	1000-year	101.9	204.49	205.41	205.4	205.72	0.009504	2.91	53.46	93.7	1	1
Main-2	23768	Hazel	222.5	204.49	206.05		206.32	0.004424	2.88	118.91	104.42	0.75	0.75
Main-2	23682	25-year	40.8	204.46	205.02	205.02	205.04	0.001002	0.72	81.92	139.44	0.31	0.31
Main-2	23682	50-year	51.1	204.46	205.02	205.02	205.04	0.001571	0.9	81.92	139.44	0.38	0.38
Main-2	23682	100-year	62	204.46	205.02	205.02	205.05	0.002313	1.09	81.92	139.44	0.47	0.47
Main-2	23682	200-year	73.4	204.46	205.02	205.02	205.07	0.003242	1.29	81.92	139.44	0.55	0.55
Main-2	23682	350-year	83.1	204.46	205.02	205.02	205.08	0.004156	1.46	81.92	139.44	0.62	0.62
Main-2	23682	500-year	89.4	204.46	205.02	205.02	205.09	0.00481	1.57	81.92	139.44	0.67	0.67
Main-2	23682	1000-year	101.9	204.46	205.02	205.02	205.11	0.006249	1.79	81.92	139.44	0.76	0.76
Main-2	23682	Hazel	222.5	204.46	206.03	205.02	206.09	0.00147	1.73	227.81	147.88	0.44	0.44
Main-2	23627	25-year	40.8	202.29	203.64	203.64	203.93	0.004598	2.62	25.71	80.13	0.74	0.74
Main-2	23627	50-year	51.1	202.29	203.82	203.67	203.94	0.002225	1.99	54.92	89.03	0.53	0.53
Main-2	23627	100-year	62	202.29	204	203.72	204.1	0.001711	1.89	71.83	99.14	0.47	0.47
Main-2	23627	200-year	73.4	202.29	204.18	203.79	204.26	0.001358	1.8	89.67	103.55	0.43	0.43
Main-2	23627	350-year	83.1	202.29	204.32	203.84	204.39	0.00114	1.74	105.7	116.15	0.4	0.4
Main-2	23627	500-year	89.4	202.29	204.41	203.89	204.48	0.00103	1.7	116.83	124.53	0.38	0.38
Main-2	23627	1000-year	101.9	202.29	204.6	203.95	204.66	0.000857	1.64	140.63	133.17	0.35	0.35
Main-2	23627	Hazel	222.5	202.29	206	204.39	206.04	0.000345	1.45	335.92	145.41	0.24	0.24
Main-2	23530	25-year	40.8	202.04	203.58		203.64	0.000593	1.06	42.87	53.96	0.28	0.28
Main-2	23530	50-year	51.1	202.04	203.76		203.82	0.00058	1.13	56.49	87.58	0.28	0.28
Main-2	23530	100-year	62	202.04	203.94		204	0.000542	1.17	72.33	89.36	0.27	0.27
Main-2	23530	200-year	73.4	202.04	204.12		204.18	0.000501	1.2	88.42	91.31	0.27	0.27
Main-2	23530	350-year	83.1	202.04	204.27		204.33	0.000466	1.21	101.98	92.45	0.26	0.26
Main-2	23530	500-year	89.4	202.04	204.36		204.42	0.000445	1.21	110.75	93.01	0.26	0.26
Main-2	23530	1000-year	101.9	202.04	204.55		204.6	0.000405	1.22	128.23	94.69	0.25	0.25
Main-2	23530	Hazel	222.5	202.04	205.96		206.02	0.00026	1.32	299.36	133.76	0.21	0.21

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-2	23493	25-year	40.8	202.02	203.5		203.6	0.001297	1.47	38.41	53.28	0.39	0.39
Main-2	23493	50-year	51.1	202.02	203.68		203.79	0.001254	1.56	47.93	54.84	0.4	0.4
Main-2	23493	100-year	62	202.02	203.85		203.97	0.001197	1.64	57.62	55.87	0.39	0.39
Main-2	23493	200-year	73.4	202.02	204.03		204.15	0.001137	1.7	67.45	56.85	0.39	0.39
Main-2	23493	350-year	83.1	202.02	204.17		204.3	0.001087	1.74	75.72	58	0.39	0.39
Main-2	23493	500-year	89.4	202.02	204.26		204.39	0.001056	1.77	81.16	58.94	0.38	0.38
Main-2	23493	1000-year	101.9	202.02	204.44		204.58	0.001008	1.82	92.09	62.69	0.38	0.38
Main-2	23493	Hazel	222.5	202.02	205.88		206	0.000581	1.9	255.33	131.2	0.31	0.31
Main-2	23442	25-year	40.8	202	203.44		203.53	0.001319	1.45	42.09	51.11	0.4	0.4
Main-2	23442	50-year	51.1	202	203.62		203.72	0.001249	1.54	51.44	53.39	0.39	0.39
Main-2	23442	100-year	62	202	203.8		203.91	0.00118	1.61	61.39	56.96	0.39	0.39
Main-2	23442	200-year	73.4	202	203.98		204.09	0.001112	1.66	72.01	60.85	0.39	0.39
Main-2	23442	350-year	83.1	202	204.13		204.24	0.001055	1.7	81.2	64.31	0.38	0.38
Main-2	23442	500-year	89.4	202	204.22		204.34	0.001018	1.73	87.47	69.72	0.38	0.38
Main-2	23442	1000-year	101.9	202	204.41		204.52	0.000958	1.77	103.95	106.13	0.37	0.37
Main-2	23442	Hazel	222.5	202	205.88		205.96	0.000468	1.72	313.38	161.41	0.28	0.28
Main-2	23378	25-year	40.8	201.97	203.39		203.46	0.001016	1.31	47.39	48.21	0.36	0.36
Main-2	23378	50-year	51.1	201.97	203.57		203.65	0.001027	1.43	56.74	60.97	0.37	0.37
Main-2	23378	100-year	62	201.97	203.75		203.84	0.000989	1.51	68.52	67.9	0.37	0.37
Main-2	23378	200-year	73.4	201.97	203.93		204.03	0.000931	1.57	81.48	75.33	0.36	0.36
Main-2	23378	350-year	83.1	201.97	204.07		204.18	0.000959	1.67	93.08	86.07	0.37	0.37
Main-2	23378	500-year	89.4	201.97	204.17		204.28	0.000902	1.67	101.85	89.84	0.36	0.36
Main-2	23378	1000-year	101.9	201.97	204.36		204.47	0.000834	1.7	120.21	102.91	0.35	0.35
Main-2	23378	Hazel	222.5	201.97	205.87		205.94	0.000395	1.62	326.64	152.75	0.26	0.26
Main-2	23325	25-year	40.8	201.77	203.29		203.4	0.001305	1.51	36.05	47.74	0.4	0.4
Main-2	23325	50-year	51.1	201.77	203.47		203.59	0.001311	1.63	44.95	52.49	0.41	0.41
Main-2	23325	100-year	62	201.77	203.65		203.78	0.00128	1.73	55.14	61.29	0.41	0.41
Main-2	23325	200-year	73.4	201.77	203.83		203.97	0.001211	1.79	66.74	66.06	0.41	0.41
Main-2	23325	350-year	83.1	201.77	203.98		204.12	0.001169	1.85	77.2	73.18	0.4	0.4
Main-2	23325	500-year	89.4	201.77	204.08		204.22	0.001118	1.86	84.74	77.44	0.4	0.4
Main-2	23325	1000-year	101.9	201.77	204.28		204.42	0.00101	1.88	101.14	94.18	0.38	0.38
Main-2	23325	Hazel	222.5	201.77	205.83		205.92	0.000435	1.71	309.55	152.8	0.27	0.27
Main-2	23232	25-year	40.8	201.55	203.2		203.28	0.001108	1.5	44.2	71.69	0.38	0.38
Main-2	23232	50-year	51.1	201.55	203.41		203.48	0.000879	1.45	59.39	73.19	0.34	0.34
Main-2	23232	100-year	62	201.55	203.61		203.68	0.000731	1.42	74.42	74.71	0.32	0.32
Main-2	23232	200-year	73.4	201.55	203.81		203.87	0.000624	1.4	89.52	75.97	0.3	0.3
Main-2	23232	350-year	83.1	201.55	203.97		204.03	0.000564	1.39	101.81	77.88	0.29	0.29
Main-2	23232	500-year	89.4	201.55	204.08		204.13	0.000526	1.38	110.11	78.91	0.28	0.28
Main-2	23232	1000-year	101.9	201.55	204.28		204.34	0.000464	1.37	126.57	81.55	0.27	0.27
Main-2	23232	Hazel	222.5	201.55	205.83		205.88	0.000259	1.39	297.6	127.37	0.21	0.21
Main-2	23156	25-year	40.8	201.47	203.19		203.22	0.000371	0.85	56.26	50.68	0.22	0.22
Main-2	23156	50-year	51.1	201.47	203.39		203.43	0.000366	0.92	66.6	52.03	0.22	0.22
Main-2	23156	100-year	62	201.47	203.59		203.63	0.000359	0.98	77.04	53.26	0.22	0.22
Main-2	23156	200-year	73.4	201.47	203.79		203.83	0.00035	1.03	87.66	54.52	0.22	0.22
Main-2	23156	350-year	83.1	201.47	203.94		203.99	0.000344	1.07	96.35	56.16	0.22	0.22
Main-2	23156	500-year	89.4	201.47	204.05		204.1	0.000344	1.1	102.35	61.34	0.23	0.23
Main-2	23156	1000-year	101.9	201.47	204.25		204.31	0.000331	1.14	115.28	67.31	0.22	0.22
Main-2	23156	Hazel	222.5	201.47	205.78		205.86	0.000258	1.37	242.19	93.66	0.21	0.21
Main-2	23088	25-year	40.8	201.44	203.13		203.19	0.000623	1.16	56.07	55.84	0.29	0.29
Main-2	23088	50-year	51.1	201.44	203.34		203.4	0.000611	1.24	67.35	56.44	0.29	0.29
Main-2	23088	100-year	62	201.44	203.53		203.6	0.000597	1.31	78.6	57.15	0.29	0.29
Main-2	23088	200-year	73.4	201.44	203.73		203.8	0.00058	1.37	89.94	57.87	0.29	0.29
Main-2	23088	350-year	83.1	201.44	203.89		203.96	0.000571	1.42	99.12	58.86	0.29	0.29
Main-2	23088	500-year	89.4	201.44	203.99		204.07	0.00056	1.45	105.38	62.32	0.29	0.29
Main-2	23088	1000-year	101.9	201.44	204.19		204.28	0.000563	1.52	118.36	66.97	0.3	0.3
Main-2	23088	Hazel	222.5	201.44	205.72		205.83	0.000446	1.83	240.97	87.86	0.28	0.28
Main-2	22984	25-year	40.8	201.23	203.06		203.13	0.000684	1.27	60.67	76.14	0.3	0.3
Main-2	22984	50-year	51.1	201.23	203.27		203.34	0.000625	1.31	76.97	77.47	0.29	0.29

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-2	22984	100-year	62	201.23	203.48		203.54	0.000578	1.34	93.05	78.44	0.29	0.29
Main-2	22984	200-year	73.4	201.23	203.68		203.75	0.000537	1.37	109.14	79.39	0.28	0.28
Main-2	22984	350-year	83.1	201.23	203.84		203.91	0.000511	1.4	122.04	79.98	0.28	0.28
Main-2	22984	500-year	89.4	201.23	203.95		204.02	0.000492	1.41	130.67	80.37	0.27	0.27
Main-2	22984	1000-year	101.9	201.23	204.16		204.22	0.000459	1.43	147.25	81.11	0.27	0.27
Main-2	22984	Hazel	222.5	201.23	205.71		205.78	0.000357	1.68	277.52	87.21	0.25	0.25
Main-2	22936	25-year	40.8	201.23	203.04		203.09	0.000601	1.13	68.43	83.33	0.28	0.28
Main-2	22936	50-year	51.1	201.23	203.26		203.31	0.000535	1.16	86.56	84.57	0.27	0.27
Main-2	22936	100-year	62	201.23	203.47		203.52	0.000487	1.18	104.34	85.72	0.26	0.26
Main-2	22936	200-year	73.4	201.23	203.67		203.72	0.000449	1.21	122.11	86.67	0.25	0.25
Main-2	22936	350-year	83.1	201.23	203.84		203.89	0.000425	1.23	136.3	87.4	0.25	0.25
Main-2	22936	500-year	89.4	201.23	203.95		203.99	0.000408	1.24	145.79	87.94	0.25	0.25
Main-2	22936	1000-year	101.9	201.23	204.15		204.2	0.000381	1.26	164.06	88.88	0.24	0.24
Main-2	22936	Hazel	222.5	201.23	205.71		205.77	0.000294	1.48	307.39	95.85	0.23	0.23
Main-2	22900	25-year	40.8	201.23	203.03		203.07	0.000414	0.97	69.16	76.52	0.23	0.23
Main-2	22900	50-year	51.1	201.23	203.25		203.29	0.00039	1.01	85.77	77.57	0.23	0.23
Main-2	22900	100-year	62	201.23	203.46		203.5	0.000372	1.06	102.05	78.78	0.23	0.23
Main-2	22900	200-year	73.4	201.23	203.66		203.71	0.000354	1.1	118.38	79.73	0.23	0.23
Main-2	22900	350-year	83.1	201.23	203.83		203.87	0.000344	1.13	131.44	80.51	0.23	0.23
Main-2	22900	500-year	89.4	201.23	203.93		203.98	0.000334	1.14	140.18	80.94	0.22	0.22
Main-2	22900	1000-year	101.9	201.23	204.14		204.19	0.000318	1.17	156.97	81.83	0.22	0.22
Main-2	22900	Hazel	222.5	201.23	205.69		205.76	0.000266	1.44	288.83	87.71	0.22	0.22
Main-2	22864	25-year	40.8	201.23	203.01		203.06	0.000527	1.04	65.51	62.54	0.26	0.26
Main-2	22864	50-year	51.1	201.23	203.23		203.28	0.000499	1.1	79.1	63.83	0.26	0.26
Main-2	22864	100-year	62	201.23	203.44		203.49	0.00048	1.16	92.46	65.03	0.26	0.26
Main-2	22864	200-year	73.4	201.23	203.64		203.69	0.000462	1.21	105.98	66.62	0.26	0.26
Main-2	22864	350-year	83.1	201.23	203.8		203.86	0.000451	1.25	116.86	67.62	0.26	0.26
Main-2	22864	500-year	89.4	201.23	203.91		203.97	0.00044	1.27	124.21	68.43	0.25	0.25
Main-2	22864	1000-year	101.9	201.23	204.12		204.18	0.000421	1.31	138.41	69.53	0.25	0.25
Main-2	22864	Hazel	222.5	201.23	205.66		205.75	0.000359	1.63	255.69	83.94	0.25	0.25
Main-2	22800	25-year	40.8	201.2	202.97		203.02	0.000597	1.12	47.28	52.13	0.28	0.28
Main-2	22800	50-year	51.1	201.2	203.19		203.24	0.000546	1.16	59.09	55.48	0.27	0.27
Main-2	22800	100-year	62	201.2	203.4		203.46	0.000508	1.2	71.19	58.99	0.26	0.26
Main-2	22800	200-year	73.4	201.2	203.61		203.67	0.000472	1.23	83.77	61.34	0.26	0.26
Main-2	22800	350-year	83.1	201.2	203.77		203.83	0.00045	1.26	94.04	63.2	0.25	0.25
Main-2	22800	500-year	89.4	201.2	203.88		203.94	0.000432	1.27	101.04	64.1	0.25	0.25
Main-2	22800	1000-year	101.9	201.2	204.09		204.15	0.000403	1.29	114.63	65.75	0.25	0.25
Main-2	22800	Hazel	222.5	201.2	205.65		205.72	0.000307	1.51	227.58	80.14	0.23	0.23
Main-2	22700	25-year	40.8	201.14	202.92		202.97	0.000421	0.99	49.04	46.73	0.24	0.24
Main-2	22700	50-year	51.1	201.14	203.15		203.19	0.000403	1.04	59.76	49.84	0.24	0.24
Main-2	22700	100-year	62	201.14	203.36		203.41	0.000387	1.09	70.62	52.28	0.24	0.24
Main-2	22700	200-year	73.4	201.14	203.57		203.62	0.000371	1.14	81.8	54.12	0.23	0.23
Main-2	22700	350-year	83.1	201.14	203.73		203.79	0.000361	1.17	90.87	55.52	0.23	0.23
Main-2	22700	500-year	89.4	201.14	203.84		203.9	0.000351	1.19	97.07	56.51	0.23	0.23
Main-2	22700	1000-year	101.9	201.14	204.06		204.11	0.000334	1.22	109.17	58.39	0.23	0.23
Main-2	22700	Hazel	222.5	201.14	205.62		205.69	0.000268	1.46	209.36	69.49	0.22	0.22
Main-2	22625	25-year	40.8	201.13	202.9		202.93	0.000428	0.95	71.97	73.11	0.24	0.24
Main-2	22625	50-year	51.1	201.13	203.12		203.16	0.00039	0.99	89.28	79.23	0.23	0.23
Main-2	22625	100-year	62	201.13	203.34		203.38	0.000359	1.02	106.81	82.87	0.22	0.22
Main-2	22625	200-year	73.4	201.13	203.55		203.59	0.000331	1.04	124.65	84.41	0.22	0.22
Main-2	22625	350-year	83.1	201.13	203.72		203.76	0.000313	1.07	138.87	85.1	0.22	0.22
Main-2	22625	500-year	89.4	201.13	203.83		203.87	0.0003	1.07	148.46	85.69	0.21	0.21
Main-2	22625	1000-year	101.9	201.13	204.05		204.08	0.000281	1.09	167.14	89.61	0.21	0.21
Main-2	22625	Hazel	222.5	201.13	205.62		205.67	0.000217	1.29	324.79	113.62	0.2	0.2
Main-2	22545	25-year	40.8	201.13	202.77		202.87	0.001016	1.42	33.48	28.45	0.36	0.36
Main-2	22545	50-year	51.1	201.13	202.98		203.1	0.001043	1.56	39.81	33.38	0.37	0.37
Main-2	22545	100-year	62	201.13	203.18		203.32	0.001056	1.68	46.97	39.11	0.38	0.38
Main-2	22545	200-year	73.4	201.13	203.38		203.53	0.001034	1.78	55.65	45.39	0.38	0.38

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-2	22545	350-year	83.1	201.13	203.55		203.7	0.001003	1.84	63.23	48.17	0.38	0.38
Main-2	22545	500-year	89.4	201.13	203.66		203.82	0.000974	1.87	68.68	50.49	0.38	0.38
Main-2	22545	1000-year	101.9	201.13	203.87		204.03	0.000911	1.91	79.79	53.81	0.37	0.37
Main-2	22545	Hazel	222.5	201.13	205.44		205.62	0.000663	2.21	189.94	87.11	0.34	0.34
Main-2	22497	25-year	40.8	201	202.75		202.82	0.000982	1.42	53.09	48.8	0.35	0.35
Main-2	22497	50-year	51.1	201	202.96		203.04	0.000937	1.51	64.09	52.3	0.35	0.35
Main-2	22497	100-year	62	201	203.17		203.26	0.000898	1.58	75.11	53.14	0.35	0.35
Main-2	22497	200-year	73.4	201	203.38		203.47	0.000856	1.65	86.34	53.89	0.35	0.35
Main-2	22497	350-year	83.1	201	203.55		203.64	0.00083	1.7	95.33	54.42	0.35	0.35
Main-2	22497	500-year	89.4	201	203.66		203.75	0.000805	1.72	101.48	54.81	0.34	0.34
Main-2	22497	1000-year	101.9	201	203.88		203.97	0.000764	1.77	113.34	55.69	0.34	0.34
Main-2	22497	Hazel	222.5	201	205.44		205.58	0.000654	2.21	237.46	113.2	0.34	0.34
Main-2	22399	25-year	40.8	200.8	202.57		202.71	0.001248	1.69	32.85	43.29	0.41	0.41
Main-2	22399	50-year	51.1	200.8	202.78		202.93	0.001253	1.82	42.4	47.64	0.42	0.42
Main-2	22399	100-year	62	200.8	202.99		203.15	0.0012	1.91	52.88	52.07	0.42	0.42
Main-2	22399	200-year	73.4	200.8	203.21		203.37	0.001125	1.97	66.31	74.4	0.41	0.41
Main-2	22399	350-year	83.1	200.8	203.39		203.55	0.001024	1.97	82.05	106.95	0.39	0.39
Main-2	22399	500-year	89.4	200.8	203.52		203.67	0.000938	1.95	96.27	112.5	0.38	0.38
Main-2	22399	1000-year	101.9	200.8	203.77		203.9	0.000755	1.86	125.88	117.94	0.35	0.35
Main-2	22399	Hazel	222.5	200.8	205.44		205.51	0.000336	1.68	337.06	132.62	0.25	0.25
Main-2	22338	25-year	40.8	200.77	202.59		202.64	0.000594	1.15	65.97	67.91	0.28	0.28
Main-2	22338	50-year	51.1	200.77	202.81		202.86	0.000558	1.2	81.17	70.53	0.27	0.27
Main-2	22338	100-year	62	200.77	203.02		203.08	0.000519	1.25	96.69	71.5	0.27	0.27
Main-2	22338	200-year	73.4	200.77	203.24		203.3	0.000485	1.28	112.7	73.52	0.26	0.26
Main-2	22338	350-year	83.1	200.77	203.42		203.48	0.000465	1.32	127.26	96.95	0.26	0.26
Main-2	22338	500-year	89.4	200.77	203.55		203.61	0.000459	1.35	140.69	122.73	0.26	0.26
Main-2	22338	1000-year	101.9	200.77	203.79		203.85	0.000431	1.39	172.38	132.81	0.26	0.26
Main-2	22338	Hazel	222.5	200.77	205.45		205.49	0.000221	1.34	402.26	143.29	0.2	0.2
Main-2	22277	25-year	40.8	199.64	202.57		202.61	0.000268	0.93	77.86	81.36	0.19	0.19
Main-2	22277	50-year	51.1	199.64	202.8		202.83	0.000261	0.98	96.03	82.13	0.19	0.19
Main-2	22277	100-year	62	199.64	203.02		203.05	0.00025	1.01	114.22	82.84	0.19	0.19
Main-2	22277	200-year	73.4	199.64	203.24		203.28	0.000238	1.03	132.86	86.69	0.19	0.19
Main-2	22277	350-year	83.1	199.64	203.42		203.46	0.000226	1.05	151.31	111.13	0.18	0.18
Main-2	22277	500-year	89.4	199.64	203.55		203.58	0.000225	1.07	165.64	120.09	0.18	0.18
Main-2	22277	1000-year	101.9	199.64	203.79		203.83	0.000194	1.04	196.61	129.98	0.17	0.17
Main-2	22277	Hazel	222.5	199.64	205.46		205.48	0.00011	1	438	152.53	0.14	0.14
Main-2	22274	25-year	40.8	199.47	202.54	201.13	202.6	0.000401	1.13	42.95	81.89	0.23	0.23
Main-2	22274	50-year	51.1	199.47	202.75	201.31	202.82	0.000456	1.27	48.1	82.82	0.25	0.25
Main-2	22274	100-year	62	199.47	202.95	201.53	203.04	0.000499	1.4	53.29	83.61	0.27	0.27
Main-2	22274	200-year	73.4	199.47	203.15	201.71	203.25	0.00053	1.51	58.64	84.44	0.28	0.28
Main-2	22274	350-year	83.1	199.47	203.32	201.83	203.43	0.000548	1.6	63.1	100.9	0.29	0.29
Main-2	22274	500-year	89.4	199.47	203.44	201.91	203.56	0.00055	1.64	66.26	107.31	0.29	0.29
Main-2	22274	1000-year	101.9	199.47	203.67	202.02	203.8	0.000548	1.71	72.52	120.35	0.29	0.29
Main-2	22274	Hazel	222.5	199.47	205.46	203.03	205.48	0.000092	0.93	438.08	153.09	0.13	0.13
Main-2	22262		Bridge										
Main-2	22251	25-year	40.8	199.44	202.49	201.1	202.57	0.000543	1.34	36.6	89.02	0.27	0.27
Main-2	22251	50-year	51.1	199.44	202.67	201.28	202.78	0.000654	1.54	40.88	89.82	0.3	0.3
Main-2	22251	100-year	62	199.44	202.84	201.45	202.98	0.000757	1.73	45.15	91.16	0.33	0.33
Main-2	22251	200-year	73.4	199.44	203.01	201.62	203.18	0.000848	1.91	49.66	94.4	0.35	0.35
Main-2	22251	350-year	83.1	199.44	203.15	201.76	203.35	0.000909	2.04	53.69	95.54	0.37	0.37
Main-2	22251	500-year	89.4	199.44	203.26	201.84	203.46	0.00093	2.1	56.67	96.51	0.37	0.37
Main-2	22251	1000-year	101.9	199.44	203.45	202.1	203.68	0.000956	2.22	62.7	102.89	0.38	0.38
Main-2	22251	Hazel	222.5	199.44	204.97	203.34	204.99	0.000138	1.08	367.67	147.78	0.16	0.16
Main-2	22245	25-year	40.8	199.86	202.51		202.54	0.000369	1.02	91.09	105.15	0.22	0.22
Main-2	22245	50-year	51.1	199.86	202.7		202.74	0.000357	1.06	111.48	105.82	0.22	0.22
Main-2	22245	100-year	62	199.86	202.89		202.92	0.000346	1.09	131.41	106.48	0.22	0.22
Main-2	22245	200-year	73.4	199.86	203.08		203.11	0.000332	1.12	151.36	107.13	0.21	0.21

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-2	22245	350-year	83.1	199.86	203.23		203.26	0.000321	1.14	167.73	107.72	0.21	0.21
Main-2	22245	500-year	89.4	199.86	203.34		203.37	0.000308	1.15	179.34	108.13	0.21	0.21
Main-2	22245	1000-year	101.9	199.86	203.55		203.58	0.000285	1.15	202.76	116.68	0.2	0.2
Main-2	22245	Hazel	222.5	199.86	204.96		204.99	0.000244	1.36	391.15	145.52	0.2	0.2
Main-2	22200	25-year	40.8	200.67	202.46		202.52	0.000677	1.27	75.75	106.56	0.3	0.3
Main-2	22200	50-year	51.1	200.67	202.66		202.71	0.000605	1.28	97.65	115.1	0.29	0.29
Main-2	22200	100-year	62	200.67	202.85		202.9	0.000546	1.3	120.56	126.85	0.28	0.28
Main-2	22200	200-year	73.4	200.67	203.05		203.09	0.00048	1.29	145.52	132.18	0.27	0.27
Main-2	22200	350-year	83.1	200.67	203.2		203.24	0.000436	1.28	166.81	141.73	0.26	0.26
Main-2	22200	500-year	89.4	200.67	203.31		203.35	0.0004	1.26	183.28	151.41	0.25	0.25
Main-2	22200	1000-year	101.9	200.67	203.53		203.56	0.000342	1.23	216.67	157.57	0.23	0.23
Main-2	22200	Hazel	222.5	200.67	204.95		204.98	0.000206	1.25	499.39	208.54	0.19	0.19
Main-2	22141	25-year	40.8	200.62	202.42		202.47	0.000567	1.11	75.8	104.45	0.27	0.27
Main-2	22141	50-year	51.1	200.62	202.63		202.67	0.000497	1.12	97.22	105.45	0.26	0.26
Main-2	22141	100-year	62	200.62	202.82		202.86	0.00045	1.14	117.93	106.38	0.25	0.25
Main-2	22141	200-year	73.4	200.62	203.02		203.06	0.00041	1.15	138.74	107.34	0.24	0.24
Main-2	22141	350-year	83.1	200.62	203.17		203.21	0.000383	1.16	155.71	108.04	0.24	0.24
Main-2	22141	500-year	89.4	200.62	203.29		203.32	0.00036	1.16	167.81	108.55	0.23	0.23
Main-2	22141	1000-year	101.9	200.62	203.5		203.54	0.000324	1.16	191.37	109.74	0.22	0.22
Main-2	22141	Hazel	222.5	200.62	204.91		204.96	0.000268	1.39	351.87	119.63	0.22	0.22
Main-2	22037	25-year	40.8	200.58	202.41		202.42	0.000259	0.76	125.04	121.51	0.18	0.18
Main-2	22037	50-year	51.1	200.58	202.61		202.63	0.00024	0.79	150.14	122.74	0.18	0.18
Main-2	22037	100-year	62	200.58	202.81		202.83	0.000228	0.82	174.36	123.7	0.18	0.18
Main-2	22037	200-year	73.4	200.58	203.01		203.02	0.000217	0.85	198.66	124.72	0.18	0.18
Main-2	22037	350-year	83.1	200.58	203.17		203.18	0.000209	0.87	218.46	125.42	0.18	0.18
Main-2	22037	500-year	89.4	200.58	203.28		203.29	0.0002	0.88	232.58	125.9	0.17	0.17
Main-2	22037	1000-year	101.9	200.58	203.49		203.51	0.000185	0.89	260.02	126.82	0.17	0.17
Main-2	22037	Hazel	222.5	200.58	204.91		204.93	0.000173	1.13	444.79	134.99	0.18	0.18
Main-2	21930	25-year	40.8	200.54	202.38		202.4	0.000312	0.84	98.5	87.49	0.2	0.2
Main-2	21930	50-year	51.1	200.54	202.58		202.61	0.000306	0.9	116.65	89.67	0.2	0.2
Main-2	21930	100-year	62	200.54	202.78		202.8	0.000303	0.95	134.42	92.46	0.21	0.21
Main-2	21930	200-year	73.4	200.54	202.97		203	0.000296	0.99	152.73	94.75	0.21	0.21
Main-2	21930	350-year	83.1	200.54	203.13		203.16	0.000292	1.03	167.88	96.86	0.21	0.21
Main-2	21930	500-year	89.4	200.54	203.24		203.27	0.000283	1.04	178.9	98.23	0.21	0.21
Main-2	21930	1000-year	101.9	200.54	203.46		203.49	0.000266	1.07	200.64	100.85	0.2	0.2
Main-2	21930	Hazel	222.5	200.54	204.87		204.91	0.000254	1.36	352.18	113.89	0.21	0.21
Main-2	21808	25-year	40.8	200.53	202.33		202.36	0.000346	0.88	76.95	74.71	0.21	0.21
Main-2	21808	50-year	51.1	200.53	202.54		202.57	0.000339	0.93	93.34	83.26	0.22	0.22
Main-2	21808	100-year	62	200.53	202.73		202.77	0.000332	0.99	109.95	85.94	0.22	0.22
Main-2	21808	200-year	73.4	200.53	202.93		202.97	0.000322	1.03	127.17	89.68	0.22	0.22
Main-2	21808	350-year	83.1	200.53	203.09		203.13	0.000313	1.06	141.55	91.8	0.22	0.22
Main-2	21808	500-year	89.4	200.53	203.2		203.24	0.000301	1.07	152.13	93.35	0.21	0.21
Main-2	21808	1000-year	101.9	200.53	203.42		203.46	0.000278	1.09	173.02	95.65	0.21	0.21
Main-2	21808	Hazel	222.5	200.53	204.83		204.89	0.000255	1.37	315.82	106.64	0.21	0.21
Main-2	21754	25-year	40.8	200.27	202.3		202.34	0.000375	0.99	66.96	63.41	0.23	0.23
Main-2	21754	50-year	51.1	200.27	202.51		202.55	0.000389	1.08	80.45	71.25	0.24	0.24
Main-2	21754	100-year	62	200.27	202.7		202.75	0.000398	1.15	94.47	75.24	0.24	0.24
Main-2	21754	200-year	73.4	200.27	202.9		202.95	0.000397	1.22	109.35	77.22	0.24	0.24
Main-2	21754	350-year	83.1	200.27	203.05		203.11	0.000393	1.26	121.65	78.51	0.25	0.25
Main-2	21754	500-year	89.4	200.27	203.17		203.23	0.00038	1.28	130.7	79.26	0.24	0.24
Main-2	21754	1000-year	101.9	200.27	203.39		203.45	0.000358	1.3	148.41	80.89	0.24	0.24
Main-2	21754	Hazel	222.5	200.27	204.79		204.87	0.000353	1.67	269.39	92.09	0.25	0.25
Main-2	21714	25-year	40.8	200.27	202.27		202.33	0.000524	1.15	61.16	56.46	0.27	0.27
Main-2	21714	50-year	51.1	200.27	202.47		202.53	0.000536	1.25	72.62	57.5	0.27	0.27
Main-2	21714	100-year	62	200.27	202.67		202.73	0.000547	1.33	83.75	58.55	0.28	0.28
Main-2	21714	200-year	73.4	200.27	202.86		202.93	0.000551	1.41	95.18	60.14	0.28	0.28
Main-2	21714	350-year	83.1	200.27	203.02		203.09	0.000548	1.47	104.65	61.06	0.29	0.29
Main-2	21714	500-year	89.4	200.27	203.13		203.21	0.000544	1.5	111.63	64.32	0.29	0.29

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-2	21714	1000-year	101.9	200.27	203.35		203.43	0.000516	1.54	126.29	68.67	0.28	0.28
Main-2	21714	Hazel	222.5	200.27	204.74		204.85	0.000498	1.95	243.94	97.53	0.3	0.3
Main-2	21670	25-year	40.8	200.27	202.27		202.3	0.000362	0.97	82.91	72.45	0.22	0.22
Main-2	21670	50-year	51.1	200.27	202.47		202.51	0.00037	1.05	98.09	78.82	0.23	0.23
Main-2	21670	100-year	62	200.27	202.66		202.7	0.000375	1.12	114.21	86.26	0.23	0.23
Main-2	21670	200-year	73.4	200.27	202.86		202.9	0.000371	1.17	131.74	94	0.24	0.24
Main-2	21670	350-year	83.1	200.27	203.02		203.06	0.000363	1.21	147.08	98.5	0.23	0.23
Main-2	21670	500-year	89.4	200.27	203.13		203.18	0.000348	1.22	158.54	100.67	0.23	0.23
Main-2	21670	1000-year	101.9	200.27	203.36		203.4	0.000324	1.23	181.72	108.37	0.23	0.23
Main-2	21670	Hazel	222.5	200.27	204.77		204.82	0.000281	1.48	353.78	132.8	0.22	0.22
Main-2	21594	25-year	40.8	200.27	202.28		202.28	0.000064	0.42	118.05	98.62	0.09	0.09
Main-2	21594	50-year	51.1	200.27	202.48		202.49	0.000071	0.47	139.22	110.37	0.1	0.1
Main-2	21594	100-year	62	200.27	202.67		202.69	0.000077	0.52	162.35	124	0.11	0.11
Main-2	21594	200-year	73.4	200.27	202.87		202.88	0.00008	0.55	187.03	128.13	0.11	0.11
Main-2	21594	350-year	83.1	200.27	203.03		203.04	0.000081	0.58	207.92	133.62	0.11	0.11
Main-2	21594	500-year	89.4	200.27	203.14		203.16	0.000079	0.59	223.46	137.28	0.11	0.11
Main-2	21594	1000-year	101.9	200.27	203.37		203.38	0.000077	0.61	254.81	144.78	0.11	0.11
Main-2	21594	Hazel	222.5	200.27	204.78		204.8	0.000079	0.8	484.08	176.69	0.12	0.12
Main-2	21551	25-year	40.8	200.27	202.22		202.27	0.00062	1.23	71.01	114.45	0.29	0.29
Main-2	21551	50-year	51.1	200.27	202.42		202.48	0.000641	1.33	95.23	130.64	0.3	0.3
Main-2	21551	100-year	62	200.27	202.62		202.68	0.000548	1.31	123.24	145.08	0.28	0.28
Main-2	21551	200-year	73.4	200.27	202.83		202.87	0.000468	1.29	153.82	152.97	0.26	0.26
Main-2	21551	350-year	83.1	200.27	202.99		203.03	0.000413	1.26	179.64	158.71	0.25	0.25
Main-2	21551	500-year	89.4	200.27	203.11		203.15	0.000373	1.24	198.92	163.79	0.24	0.24
Main-2	21551	1000-year	101.9	200.27	203.34		203.38	0.000309	1.19	237.5	170.39	0.22	0.22
Main-2	21551	Hazel	222.5	200.27	204.77		204.8	0.00019	1.21	499.56	195.28	0.18	0.18
Main-2	21491	25-year	40.8	200.26	202.21		202.24	0.000416	1.04	99.21	163.63	0.24	0.24
Main-2	21491	50-year	51.1	200.26	202.41		202.45	0.000373	1.05	136.21	189.84	0.23	0.23
Main-2	21491	100-year	62	200.26	202.62		202.65	0.0003	1.01	176.51	195.91	0.21	0.21
Main-2	21491	200-year	73.4	200.26	202.83		202.85	0.000249	0.97	217.63	201.65	0.19	0.19
Main-2	21491	350-year	83.1	200.26	202.99		203.01	0.00022	0.95	251.33	205.69	0.18	0.18
Main-2	21491	500-year	89.4	200.26	203.11		203.13	0.000198	0.93	276.22	209.47	0.18	0.18
Main-2	21491	1000-year	101.9	200.26	203.34		203.36	0.000165	0.89	325.02	213.35	0.16	0.16
Main-2	21491	Hazel	222.5	200.26	204.77		204.79	0.00011	0.94	651.49	241.84	0.14	0.14
Main-2	21413	25-year	40.8	200.26	202.2		202.22	0.000289	0.85	135.7	188.06	0.2	0.2
Main-2	21413	50-year	51.1	200.26	202.41		202.42	0.00024	0.83	176.06	197.98	0.18	0.18
Main-2	21413	100-year	62	200.26	202.62		202.63	0.000203	0.81	218.49	207.67	0.17	0.17
Main-2	21413	200-year	73.4	200.26	202.82		202.84	0.000174	0.8	262.27	214.07	0.16	0.16
Main-2	21413	350-year	83.1	200.26	202.99		203	0.000158	0.79	298.29	220.33	0.16	0.16
Main-2	21413	500-year	89.4	200.26	203.11		203.12	0.000144	0.78	324.98	223.83	0.15	0.15
Main-2	21413	1000-year	101.9	200.26	203.34		203.35	0.000122	0.76	377.17	227.45	0.14	0.14
Main-2	21413	Hazel	222.5	200.26	204.77		204.78	0.000086	0.82	718.94	248.69	0.12	0.12
Main-2	21341	25-year	40.8	200.26	202.18		202.2	0.0003	0.87	134.09	207.78	0.2	0.2
Main-2	21341	50-year	51.1	200.26	202.4		202.41	0.000233	0.82	179.27	212.67	0.18	0.18
Main-2	21341	100-year	62	200.26	202.61		202.62	0.00019	0.79	224.82	217.06	0.17	0.17
Main-2	21341	200-year	73.4	200.26	202.82		202.83	0.000161	0.77	270.62	221.3	0.16	0.16
Main-2	21341	350-year	83.1	200.26	202.98		203	0.000145	0.77	307.97	226.76	0.15	0.15
Main-2	21341	500-year	89.4	200.26	203.1		203.12	0.000132	0.75	335.52	228.56	0.14	0.14
Main-2	21341	1000-year	101.9	200.26	203.34		203.35	0.000112	0.73	389.06	232.55	0.13	0.13
Main-2	21341	Hazel	222.5	200.26	204.77		204.78	0.00008	0.8	737.56	252.14	0.12	0.12
Main-2	21282	25-year	40.8	200.26	202.17		202.19	0.000236	0.75	150.96	198.55	0.18	0.18
Main-2	21282	50-year	51.1	200.26	202.39		202.4	0.000193	0.73	195.22	208.58	0.16	0.16
Main-2	21282	100-year	62	200.26	202.6		202.61	0.000161	0.72	240.38	214.48	0.15	0.15
Main-2	21282	200-year	73.4	200.26	202.81		202.82	0.000141	0.71	286.21	222.83	0.14	0.14
Main-2	21282	350-year	83.1	200.26	202.98		202.99	0.000127	0.71	323.97	227.26	0.14	0.14
Main-2	21282	500-year	89.4	200.26	203.1		203.11	0.000117	0.7	351.73	230.5	0.13	0.13
Main-2	21282	1000-year	101.9	200.26	203.33		203.34	0.0001	0.68	406.04	235.9	0.13	0.13
Main-2	21282	Hazel	222.5	200.26	204.77		204.78	0.000074	0.76	763.54	258.02	0.12	0.12

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-2	21228	25-year	40.8	200.21	202.17		202.18	0.000165	0.63	162.52	179.96	0.15	0.15
Main-2	21228	50-year	51.1	200.21	202.38		202.39	0.000146	0.64	202.43	187.86	0.14	0.14
Main-2	21228	100-year	62	200.21	202.6		202.61	0.000131	0.65	243.16	192.95	0.14	0.14
Main-2	21228	200-year	73.4	200.21	202.81		202.82	0.000119	0.66	284.18	198.72	0.13	0.13
Main-2	21228	350-year	83.1	200.21	202.98		202.99	0.000111	0.66	317.74	201.6	0.13	0.13
Main-2	21228	500-year	89.4	200.21	203.1		203.11	0.000104	0.66	342.39	204.19	0.13	0.13
Main-2	21228	1000-year	101.9	200.21	203.33		203.34	0.000092	0.66	390.47	208.19	0.12	0.12
Main-2	21228	Hazel	222.5	200.21	204.76		204.77	0.000077	0.78	702.41	226.48	0.12	0.12
Main-2	21139	25-year	40.8	200.2	202.13		202.16	0.000283	0.86	89.8	106.82	0.2	0.2
Main-2	21139	50-year	51.1	200.2	202.35		202.38	0.000269	0.9	114.36	117.48	0.2	0.2
Main-2	21139	100-year	62	200.2	202.56		202.59	0.00025	0.92	140.36	124.3	0.19	0.19
Main-2	21139	200-year	73.4	200.2	202.78		202.81	0.000232	0.94	167.21	129.43	0.19	0.19
Main-2	21139	350-year	83.1	200.2	202.94		202.97	0.000221	0.96	189.56	135.06	0.19	0.19
Main-2	21139	500-year	89.4	200.2	203.07		203.1	0.000207	0.96	206.32	137.5	0.18	0.18
Main-2	21139	1000-year	101.9	200.2	203.3		203.33	0.000185	0.95	239.19	142.46	0.17	0.17
Main-2	21139	Hazel	222.5	200.2	204.73		204.77	0.000154	1.12	459.54	163.75	0.17	0.17
Main-2	21064	25-year	40.8	200.16	202.09		202.14	0.000444	1.08	65.37	76.3	0.25	0.25
Main-2	21064	50-year	51.1	200.16	202.3		202.35	0.000433	1.15	82.9	85.06	0.25	0.25
Main-2	21064	100-year	62	200.16	202.52		202.57	0.000411	1.19	101.86	90.57	0.25	0.25
Main-2	21064	200-year	73.4	200.16	202.73		202.78	0.000387	1.23	121.71	95.92	0.24	0.24
Main-2	21064	350-year	83.1	200.16	202.9		202.95	0.000369	1.25	138.34	99.73	0.24	0.24
Main-2	21064	500-year	89.4	200.16	203.02		203.08	0.000348	1.25	150.94	102.53	0.24	0.24
Main-2	21064	1000-year	101.9	200.16	203.26		203.31	0.000314	1.25	175.89	107.28	0.23	0.23
Main-2	21064	Hazel	222.5	200.16	204.69		204.75	0.000269	1.49	344.65	128.84	0.22	0.22
Main-2	21000	25-year	40.8	200.1	202.08		202.11	0.000383	0.99	82.52	69.75	0.23	0.23
Main-2	21000	50-year	51.1	200.1	202.29		202.33	0.000379	1.06	97.98	72.8	0.23	0.23
Main-2	21000	100-year	62	200.1	202.51		202.54	0.00037	1.11	114.02	75.8	0.23	0.23
Main-2	21000	200-year	73.4	200.1	202.72		202.76	0.000359	1.16	130.26	77.73	0.23	0.23
Main-2	21000	350-year	83.1	200.1	202.89		202.93	0.000351	1.2	143.53	78.93	0.23	0.23
Main-2	21000	500-year	89.4	200.1	203.01		203.05	0.000338	1.21	153.4	80.04	0.23	0.23
Main-2	21000	1000-year	101.9	200.1	203.25		203.29	0.000315	1.23	172.63	81.7	0.22	0.22
Main-2	21000	Hazel	222.5	200.1	204.67		204.73	0.000326	1.62	294.64	90.39	0.24	0.24
Main-2	20900	25-year	40.8	200.06	202.02		202.07	0.000468	1.1	64.1	52.67	0.25	0.25
Main-2	20900	50-year	51.1	200.06	202.23		202.29	0.000477	1.19	75.6	55.08	0.26	0.26
Main-2	20900	100-year	62	200.06	202.45		202.5	0.000477	1.27	87.61	57.77	0.27	0.27
Main-2	20900	200-year	73.4	200.06	202.66		202.72	0.000475	1.34	99.99	60.85	0.27	0.27
Main-2	20900	350-year	83.1	200.06	202.82		202.89	0.00047	1.39	110.38	63.03	0.27	0.27
Main-2	20900	500-year	89.4	200.06	202.95		203.02	0.000455	1.41	118.38	65.22	0.27	0.27
Main-2	20900	1000-year	101.9	200.06	203.19		203.26	0.000427	1.44	134.32	68.13	0.26	0.26
Main-2	20900	Hazel	222.5	200.06	204.59		204.69	0.000451	1.9	242	85.24	0.29	0.29
Main-2	20800	25-year	40.8	200.05	201.99		202.02	0.000376	0.96	81.16	69.85	0.22	0.22
Main-2	20800	50-year	51.1	200.05	202.21		202.24	0.000368	1.02	96.39	71.24	0.23	0.23
Main-2	20800	100-year	62	200.05	202.42		202.46	0.000359	1.08	111.96	74.15	0.23	0.23
Main-2	20800	200-year	73.4	200.05	202.63		202.67	0.00035	1.13	127.96	77.46	0.23	0.23
Main-2	20800	350-year	83.1	200.05	202.8		202.84	0.000343	1.17	141.48	83.1	0.23	0.23
Main-2	20800	500-year	89.4	200.05	202.93		202.97	0.000329	1.18	152.29	86.47	0.22	0.22
Main-2	20800	1000-year	101.9	200.05	203.17		203.21	0.000303	1.19	174.08	92.61	0.22	0.22
Main-2	20800	Hazel	222.5	200.05	204.58		204.64	0.000294	1.52	326.08	122.29	0.23	0.23
Main-2	20640	25-year	40.8	199.99	201.96		201.98	0.000187	0.7	131.17	134.32	0.16	0.16
Main-2	20640	50-year	51.1	199.99	202.18		202.2	0.000176	0.73	162.48	148.16	0.16	0.16
Main-2	20640	100-year	62	199.99	202.4		202.41	0.000163	0.75	196.06	155.93	0.16	0.16
Main-2	20640	200-year	73.4	199.99	202.62		202.63	0.000151	0.77	230.59	163.15	0.15	0.15
Main-2	20640	350-year	83.1	199.99	202.79		202.8	0.000142	0.78	259.05	167.47	0.15	0.15
Main-2	20640	500-year	89.4	199.99	202.92		202.93	0.000134	0.78	280.9	170.62	0.15	0.15
Main-2	20640	1000-year	101.9	199.99	203.16		203.18	0.000119	0.77	323.6	175.56	0.14	0.14
Main-2	20640	Hazel	222.5	199.99	204.59		204.61	0.000106	0.94	591.99	200.29	0.14	0.14
Main-2	20481	25-year	40.8	199.99	201.91		201.94	0.000437	1.02	101.73	144.36	0.24	0.24

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-2	20481	50-year	51.1	199.99	202.14		202.16	0.000349	0.99	136.58	156.21	0.22	0.22
Main-2	20481	100-year	62	199.99	202.37		202.39	0.000287	0.96	173.23	165.81	0.2	0.2
Main-2	20481	200-year	73.4	199.99	202.59		202.61	0.000243	0.94	210.97	173.61	0.19	0.19
Main-2	20481	350-year	83.1	199.99	202.76		202.78	0.000215	0.93	241.92	177.39	0.18	0.18
Main-2	20481	500-year	89.4	199.99	202.9		202.91	0.000193	0.91	265.59	180.59	0.17	0.17
Main-2	20481	1000-year	101.9	199.99	203.15		203.16	0.000161	0.88	311.4	184.65	0.16	0.16
Main-2	20481	Hazel	222.5	199.99	204.58		204.6	0.000121	0.98	591.61	207.63	0.15	0.15
Main-2	20364	25-year	40.8	199.98	201.87		201.9	0.000365	0.93	105.97	141.14	0.22	0.22
Main-2	20364	50-year	51.1	199.98	202.11		202.13	0.000292	0.9	140.65	148.56	0.2	0.2
Main-2	20364	100-year	62	199.98	202.34		202.36	0.000243	0.88	175.94	153.79	0.19	0.19
Main-2	20364	200-year	73.4	199.98	202.57		202.59	0.00021	0.88	211.14	158.84	0.18	0.18
Main-2	20364	350-year	83.1	199.98	202.75		202.76	0.000191	0.87	239.75	162.67	0.17	0.17
Main-2	20364	500-year	89.4	199.98	202.88		202.9	0.000174	0.86	261.63	164.87	0.16	0.16
Main-2	20364	1000-year	101.9	199.98	203.13		203.15	0.000149	0.84	303.84	168.86	0.15	0.15
Main-2	20364	Hazel	222.5	199.98	204.57		204.59	0.000123	0.99	565.29	196.24	0.15	0.15
Main-2	20273	25-year	40.8	199.9	201.86		201.87	0.000214	0.71	141.82	169.52	0.17	0.17
Main-2	20273	50-year	51.1	199.9	202.1		202.11	0.000175	0.7	183.95	178.7	0.16	0.16
Main-2	20273	100-year	62	199.9	202.33		202.34	0.000148	0.69	226.71	184.75	0.15	0.15
Main-2	20273	200-year	73.4	199.9	202.56		202.57	0.00013	0.69	269.3	191.87	0.14	0.14
Main-2	20273	350-year	83.1	199.9	202.74		202.75	0.000119	0.69	303.98	195.79	0.13	0.13
Main-2	20273	500-year	89.4	199.9	202.87		202.88	0.00011	0.68	330.5	199.01	0.13	0.13
Main-2	20273	1000-year	101.9	199.9	203.13		203.14	0.000095	0.67	382.01	205.65	0.12	0.12
Main-2	20273	Hazel	222.5	199.9	204.56		204.57	0.000082	0.81	701.5	237.52	0.12	0.12
Main-2	20201	25-year	40.8	199.8	201.83		201.85	0.000232	0.81	102.14	123.02	0.18	0.18
Main-2	20201	50-year	51.1	199.8	202.07		202.1	0.000205	0.82	133.6	132.38	0.17	0.17
Main-2	20201	100-year	62	199.8	202.31		202.33	0.000182	0.83	165.53	136.8	0.17	0.17
Main-2	20201	200-year	73.4	199.8	202.54		202.56	0.000168	0.84	197.23	143.26	0.16	0.16
Main-2	20201	350-year	83.1	199.8	202.72		202.74	0.000156	0.85	223.24	145.51	0.16	0.16
Main-2	20201	500-year	89.4	199.8	202.85		202.87	0.000145	0.84	243.09	146.77	0.15	0.15
Main-2	20201	1000-year	101.9	199.8	203.11		203.13	0.000128	0.84	281.24	151.15	0.15	0.15
Main-2	20201	Hazel	222.5	199.8	204.54		204.57	0.000119	1.02	511.24	170.91	0.15	0.15
Main-2	20101	25-year	40.8	199.72	201.81		201.83	0.000195	0.75	79.53	78.36	0.17	0.17
Main-2	20101	50-year	51.1	199.72	202.05		202.08	0.000184	0.79	99.37	83.49	0.17	0.17
Main-2	20101	100-year	62	199.72	202.29		202.31	0.000174	0.82	119.59	87.15	0.16	0.16
Main-2	20101	200-year	73.4	199.72	202.52		202.54	0.000166	0.84	139.79	90.42	0.16	0.16
Main-2	20101	350-year	83.1	199.72	202.7		202.72	0.000161	0.87	156.24	93.06	0.16	0.16
Main-2	20101	500-year	89.4	199.72	202.83		202.86	0.000152	0.87	169.01	94.64	0.16	0.16
Main-2	20101	1000-year	101.9	199.72	203.09		203.11	0.000139	0.88	193.66	97.65	0.15	0.15
Main-2	20101	Hazel	222.5	199.72	204.52		204.55	0.00014	1.11	343.1	111.33	0.16	0.16
Main-2	20000	25-year	40.8	199.69	201.75		201.8	0.000441	1.08	49.73	40.87	0.25	0.25
Main-2	20000	50-year	51.1	199.69	201.98		202.04	0.000451	1.18	60.04	46.3	0.25	0.25
Main-2	20000	100-year	62	199.69	202.21		202.28	0.000452	1.26	71.22	51.09	0.26	0.26
Main-2	20000	200-year	73.4	199.69	202.44		202.51	0.000449	1.33	82.9	56.11	0.26	0.26
Main-2	20000	350-year	83.1	199.69	202.61		202.69	0.000453	1.4	93.77	65.97	0.26	0.26
Main-2	20000	500-year	89.4	199.69	202.75		202.83	0.00043	1.4	103.05	68.95	0.26	0.26
Main-2	20000	1000-year	101.9	199.69	203.01		203.09	0.000393	1.42	121.46	73.51	0.25	0.25
Main-2	20000	Hazel	222.5	199.69	204.41		204.52	0.000413	1.85	244.05	104.93	0.27	0.27
Main-2	19900	25-year	40.8	199.65	201.71		201.76	0.000418	1.08	62.21	58.71	0.24	0.24
Main-2	19900	50-year	51.1	199.65	201.94		202	0.000427	1.18	78.25	73.4	0.25	0.25
Main-2	19900	100-year	62	199.65	202.18		202.24	0.00041	1.24	96.89	84.06	0.25	0.25
Main-2	19900	200-year	73.4	199.65	202.41		202.47	0.000387	1.27	117	91.57	0.25	0.25
Main-2	19900	350-year	83.1	199.65	202.59		202.64	0.000366	1.29	133.72	94.95	0.24	0.24
Main-2	19900	500-year	89.4	199.65	202.73		202.78	0.000339	1.28	147.35	98.01	0.23	0.23
Main-2	19900	1000-year	101.9	199.65	202.99		203.05	0.000299	1.27	174	103.76	0.22	0.22
Main-2	19900	Hazel	222.5	199.65	204.41		204.47	0.000274	1.55	338.55	128.37	0.23	0.23
Main-2	19840	25-year	40.8	199.65	201.66		201.73	0.000585	1.24	59.87	64	0.28	0.28
Main-2	19840	50-year	51.1	199.65	201.91		201.97	0.000525	1.28	78.22	82.03	0.27	0.27
Main-2	19840	100-year	62	199.65	202.14		202.21	0.00052	1.36	98.82	96.21	0.28	0.28

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-2	19840	200-year	73.4	199.65	202.38		202.44	0.000459	1.36	122.39	103.49	0.27	0.27
Main-2	19840	350-year	83.1	199.65	202.56		202.62	0.000421	1.36	141.84	108.5	0.26	0.26
Main-2	19840	500-year	89.4	199.65	202.71		202.76	0.000381	1.34	157.83	112.99	0.25	0.25
Main-2	19840	1000-year	101.9	199.65	202.98		203.03	0.000319	1.29	189.07	117.91	0.23	0.23
Main-2	19840	Hazel	222.5	199.65	204.4		204.46	0.000266	1.5	371.14	139.97	0.22	0.22
Main-2	19700	25-year	40.8	199.54	201.57		201.64	0.000643	1.33	53.89	54.63	0.3	0.3
Main-2	19700	50-year	51.1	199.54	201.81		201.9	0.000651	1.45	69.4	80.22	0.31	0.31
Main-2	19700	100-year	62	199.54	202.06		202.14	0.000598	1.49	91.38	97.41	0.3	0.3
Main-2	19700	200-year	73.4	199.54	202.31		202.38	0.000497	1.45	116.78	101.72	0.28	0.28
Main-2	19700	350-year	83.1	199.54	202.5		202.57	0.000445	1.43	136.7	105.15	0.27	0.27
Main-2	19700	500-year	89.4	199.54	202.66		202.72	0.000396	1.4	152.93	107.71	0.25	0.25
Main-2	19700	1000-year	101.9	199.54	202.94		202.99	0.000331	1.35	183.71	112.96	0.24	0.24
Main-2	19700	Hazel	222.5	199.54	204.37		204.43	0.000274	1.56	367.71	139.05	0.23	0.23
Main-2	19600	25-year	40.8	199.44	201.55		201.59	0.000335	0.98	71.19	60.2	0.22	0.22
Main-2	19600	50-year	51.1	199.44	201.8		201.84	0.000332	1.05	86.31	63.35	0.22	0.22
Main-2	19600	100-year	62	199.44	202.04		202.09	0.000327	1.11	101.98	68.57	0.22	0.22
Main-2	19600	200-year	73.4	199.44	202.29		202.34	0.000326	1.18	121.29	82.41	0.22	0.22
Main-2	19600	350-year	83.1	199.44	202.48		202.53	0.00031	1.2	137.36	84.92	0.22	0.22
Main-2	19600	500-year	89.4	199.44	202.63		202.68	0.000287	1.19	150.49	86.62	0.21	0.21
Main-2	19600	1000-year	101.9	199.44	202.91		202.96	0.000255	1.19	175.14	89.47	0.21	0.21
Main-2	19600	Hazel	222.5	199.44	204.33		204.4	0.000273	1.55	312.6	106.14	0.23	0.23
Main-2	19500	25-year	40.8	199.43	201.52		201.55	0.000396	1	83.33	87.72	0.23	0.23
Main-2	19500	50-year	51.1	199.43	201.77		201.8	0.000342	1	106.38	94.73	0.22	0.22
Main-2	19500	100-year	62	199.43	202.02		202.05	0.000297	1.01	130.77	100.24	0.21	0.21
Main-2	19500	200-year	73.4	199.43	202.27		202.3	0.000259	1	156.91	105.09	0.2	0.2
Main-2	19500	350-year	83.1	199.43	202.47		202.5	0.000238	1.01	177.69	109.16	0.19	0.19
Main-2	19500	500-year	89.4	199.43	202.62		202.65	0.000214	0.99	194.8	111.27	0.18	0.18
Main-2	19500	1000-year	101.9	199.43	202.91		202.93	0.000183	0.97	226.89	115.68	0.17	0.17
Main-2	19500	Hazel	222.5	199.43	204.34		204.37	0.000171	1.19	407.73	139.01	0.18	0.18
Main-2	19415	25-year	40.8	199.42	201.5		201.53	0.000277	0.87	87.05	92.71	0.2	0.2
Main-2	19415	50-year	51.1	199.42	201.75		201.78	0.000246	0.89	111.51	99.68	0.19	0.19
Main-2	19415	100-year	62	199.42	202.01		202.03	0.000217	0.9	137.36	105	0.18	0.18
Main-2	19415	200-year	73.4	199.42	202.26		202.28	0.000191	0.9	164.96	110.33	0.17	0.17
Main-2	19415	350-year	83.1	199.42	202.46		202.48	0.000178	0.91	187.04	115.47	0.17	0.17
Main-2	19415	500-year	89.4	199.42	202.61		202.64	0.000161	0.89	205.61	120.17	0.16	0.16
Main-2	19415	1000-year	101.9	199.42	202.9		202.92	0.000138	0.88	240.43	124.15	0.15	0.15
Main-2	19415	Hazel	222.5	199.42	204.33		204.36	0.00013	1.07	430.74	142.23	0.16	0.16
Main-2	19369	25-year	40.8	198.32	201.49		201.52	0.000183	0.82	75.83	79.86	0.17	0.17
Main-2	19369	50-year	51.1	198.32	201.75		201.77	0.000161	0.82	97.53	89.78	0.16	0.16
Main-2	19369	100-year	62	198.32	202		202.02	0.000135	0.8	121.61	99.3	0.15	0.15
Main-2	19369	200-year	73.4	198.32	202.26		202.28	0.000115	0.78	148.52	109.49	0.14	0.14
Main-2	19369	350-year	83.1	198.32	202.46		202.47	0.000101	0.76	170.38	112.21	0.13	0.13
Main-2	19369	500-year	89.4	198.32	202.61		202.63	0.000089	0.73	188.24	114.64	0.12	0.12
Main-2	19369	1000-year	101.9	198.32	202.9		202.91	0.000074	0.7	221.39	118.57	0.11	0.11
Main-2	19369	Hazel	222.5	198.32	204.33		204.35	0.000063	0.79	408.45	143.09	0.11	0.11
Main-2	19367	25-year	40.8	198.32	201.45	199.92	201.51	0.000317	1.07	46.56	75.17	0.21	0.21
Main-2	19367	50-year	51.1	198.32	201.69	200.08	201.76	0.000353	1.2	52.5	82.04	0.23	0.23
Main-2	19367	100-year	62	198.32	201.93	200.24	202	0.000381	1.32	58.38	89.69	0.24	0.24
Main-2	19367	200-year	73.4	198.32	202.17	200.41	202.26	0.000399	1.42	64.39	96.77	0.25	0.25
Main-2	19367	350-year	83.1	198.32	202.35	200.58	202.45	0.000416	1.5	68.96	100.87	0.26	0.26
Main-2	19367	500-year	89.4	198.32	202.5	200.65	202.6	0.00041	1.53	72.73	104.71	0.26	0.26
Main-2	19367	1000-year	101.9	198.32	202.77	200.8	202.88	0.000404	1.6	79.55	115.95	0.26	0.26
Main-2	19367	Hazel	222.5	198.32	204.33	201.81	204.35	0.000065	0.81	393.38	146.31	0.11	0.11
Main-2	19357		Bridge										
Main-2	19346	25-year	40.8	198.92	201.42	200.15	201.47	0.000385	1.12	40.42	72.41	0.24	0.24
Main-2	19346	50-year	51.1	198.92	201.64	200.28	201.71	0.000404	1.22	46.07	84.23	0.25	0.25
Main-2	19346	100-year	62	198.92	201.87	200.48	201.94	0.000415	1.31	51.64	89.35	0.25	0.25

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-2	19346	200-year	73.4	198.92	202.1	200.64	202.18	0.000416	1.38	57.36	93.24	0.26	0.26
Main-2	19346	350-year	83.1	198.92	202.27	200.76	202.36	0.000423	1.45	61.63	97.91	0.26	0.26
Main-2	19346	500-year	89.4	198.92	202.41	200.81	202.51	0.000406	1.46	65.28	101.82	0.26	0.26
Main-2	19346	1000-year	101.9	198.92	202.67	201.03	202.78	0.000387	1.5	71.82	118.34	0.26	0.26
Main-2	19346	Hazel	222.5	198.92	203.92	201.89	203.95	0.000154	1.16	352.37	166.32	0.17	0.17
Main-2	19340	25-year	40.8	198.85	201.43		201.46	0.000294	0.96	76.58	80.81	0.2	0.2
Main-2	19340	50-year	51.1	198.85	201.66		201.69	0.00028	1	95.92	85.36	0.2	0.2
Main-2	19340	100-year	62	198.85	201.89		201.92	0.000252	1.01	115.81	88.21	0.19	0.19
Main-2	19340	200-year	73.4	198.85	202.12		202.15	0.000223	1	136.85	90.85	0.19	0.19
Main-2	19340	350-year	83.1	198.85	202.3		202.33	0.000208	1	152.99	92.93	0.18	0.18
Main-2	19340	500-year	89.4	198.85	202.45		202.47	0.000188	0.98	166.92	95.03	0.17	0.17
Main-2	19340	1000-year	101.9	198.85	202.71		202.74	0.000162	0.96	192.66	98.4	0.16	0.16
Main-2	19340	Hazel	222.5	198.85	203.92		203.95	0.000162	1.17	345.04	160.23	0.17	0.17
Main-2	19290	25-year	40.8	199.42	201.39		201.44	0.000416	1.05	47.86	39.63	0.24	0.24
Main-2	19290	50-year	51.1	199.42	201.61		201.67	0.000433	1.15	57.24	43.69	0.25	0.25
Main-2	19290	100-year	62	199.42	201.83		201.9	0.000439	1.24	67.02	45.56	0.26	0.26
Main-2	19290	200-year	73.4	199.42	202.06		202.13	0.000433	1.31	77.58	47.62	0.26	0.26
Main-2	19290	350-year	83.1	199.42	202.23		202.31	0.000436	1.37	85.81	49.66	0.26	0.26
Main-2	19290	500-year	89.4	199.42	202.37		202.46	0.000412	1.38	93.22	51.05	0.26	0.26
Main-2	19290	1000-year	101.9	199.42	202.64		202.72	0.000385	1.41	107.19	58.41	0.25	0.25
Main-2	19290	Hazel	222.5	199.42	203.79		203.93	0.000494	1.96	225.7	129.76	0.3	0.3
Main-2	19222	25-year	40.8	199.42	201.38		201.41	0.000351	0.96	60.05	53.92	0.22	0.22
Main-2	19222	50-year	51.1	199.42	201.61		201.64	0.000327	1	72.5	55.35	0.22	0.22
Main-2	19222	100-year	62	199.42	201.83		201.87	0.000307	1.04	85.09	57.02	0.21	0.21
Main-2	19222	200-year	73.4	199.42	202.06		202.1	0.000284	1.06	98.47	58.48	0.21	0.21
Main-2	19222	350-year	83.1	199.42	202.23		202.27	0.000274	1.09	108.65	59.42	0.21	0.21
Main-2	19222	500-year	89.4	199.42	202.38		202.42	0.000253	1.08	117.58	60.31	0.2	0.2
Main-2	19222	1000-year	101.9	199.42	202.65		202.69	0.000225	1.08	133.86	61.74	0.19	0.19
Main-2	19222	Hazel	222.5	199.42	203.81		203.88	0.000294	1.52	211.39	72.48	0.23	0.23
Main-2	19144	25-year	40.8	199.42	201.28	200.48	201.37	0.000804	1.39	35.25	184.15	0.33	0.33
Main-2	19144	50-year	51.1	199.42	201.5	200.62	201.6	0.000814	1.51	41.55	187.12	0.34	0.34
Main-2	19144	100-year	62	199.42	201.71	200.76	201.82	0.000812	1.61	48.06	189.93	0.34	0.34
Main-2	19144	200-year	73.4	199.42	201.94	200.89	202.06	0.00079	1.69	55.24	193.88	0.34	0.34
Main-2	19144	350-year	83.1	199.42	202.1	200.99	202.23	0.000791	1.77	60.78	196.8	0.35	0.35
Main-2	19144	500-year	89.4	199.42	202.25	201.05	202.38	0.000736	1.77	66.25	199.34	0.34	0.34
Main-2	19144	1000-year	101.9	199.42	202.52	201.16	202.65	0.000665	1.79	76.4	203.11	0.33	0.33
Main-2	19144	Hazel	222.5	199.42	203.86	202.08	203.86	0.000012	0.31	838.58	244.4	0.05	0.05
Main-2	19106	25-year	40.8	199.41	201.25	200.44	201.34	0.000786	1.36	34.14	145.07	0.32	0.32
Main-2	19106	50-year	51.1	199.41	201.47	200.59	201.57	0.000777	1.46	40.74	152.58	0.33	0.33
Main-2	19106	100-year	62	199.41	201.69	200.72	201.79	0.000756	1.54	47.9	179.46	0.33	0.33
Main-2	19106	200-year	73.4	199.41	201.92	200.84	202.03	0.000714	1.6	55.9	193.18	0.33	0.33
Main-2	19106	350-year	83.1	199.41	202.09	200.93	202.2	0.0007	1.65	62.01	201.94	0.33	0.33
Main-2	19106	500-year	89.4	199.41	202.24	201.02	202.35	0.000642	1.64	67.83	208.73	0.31	0.31
Main-2	19106	1000-year	101.9	199.41	202.51	201.17	202.62	0.000569	1.65	78.45	221.22	0.3	0.3
Main-2	19106	Hazel	222.5	199.41	203.63	202.02	203.84	0.000777	2.37	131.13	271.6	0.37	0.37
Main-2	19054	25-year	40.8	199.41	201.22	200.38	201.3	0.000708	1.26	37.36	173.2	0.31	0.31
Main-2	19054	50-year	51.1	199.41	201.44	200.53	201.53	0.000705	1.37	44.29	181.3	0.31	0.31
Main-2	19054	100-year	62	199.41	201.66	200.67	201.75	0.00069	1.45	51.71	195.06	0.31	0.31
Main-2	19054	200-year	73.4	199.41	201.89	200.79	201.99	0.000658	1.51	60.39	214.16	0.31	0.31
Main-2	19054	350-year	83.1	199.41	202.06	200.88	202.16	0.000651	1.57	67.7	227.57	0.31	0.31
Main-2	19054	500-year	89.4	199.41	202.22	200.94	202.32	0.000591	1.56	75.05	237.4	0.3	0.3
Main-2	19054	1000-year	101.9	199.41	202.5	201.05	202.59	0.000511	1.55	88.62	257.39	0.29	0.29
Main-2	19054	Hazel	222.5	199.41	203.77	201.92	203.78	0.000014	0.33	913.76	286.02	0.05	0.05
Main-2	19010	25-year	40.8	199.41	201.21	200.26	201.26	0.000554	1.12	43.11	207.75	0.27	0.27
Main-2	19010	50-year	51.1	199.41	201.43	200.39	201.49	0.000537	1.19	52.46	218.55	0.27	0.27
Main-2	19010	100-year	62	199.41	201.65	200.51	201.72	0.000512	1.25	62.83	230.07	0.27	0.27
Main-2	19010	200-year	73.4	199.41	201.89	200.65	201.96	0.000469	1.28	74.99	243.22	0.26	0.26
Main-2	19010	350-year	83.1	199.41	202.13	200.78	202.13	0.000006	0.16	563.77	265.38	0.03	0.03

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-2	19010	500-year	89.4	199.41	202.29	200.84	202.29	0.000006	0.16	605.53	268.47	0.03	0.03
Main-2	19010	1000-year	101.9	199.41	202.56	200.95	202.56	0.000006	0.17	680.15	272.05	0.03	0.03
Main-2	19010	Hazel	222.5	199.41	203.77	201.81	203.78	0.000009	0.26	1018.61	287.35	0.04	0.04
Main-2	18933	25-year	40.8	199.25	201.04	200.59	201.19	0.001745	1.87	27.31	161.82	0.47	0.47
Main-2	18933	50-year	51.1	199.25	201.27	200.75	201.42	0.001523	1.91	34.69	171.56	0.45	0.45
Main-2	18933	100-year	62	199.25	201.51	200.9	201.65	0.001311	1.92	42.65	181.37	0.42	0.42
Main-2	18933	200-year	73.4	199.25	201.76	201.04	201.9	0.001116	1.91	51.43	188.22	0.4	0.4
Main-2	18933	350-year	83.1	199.25	201.98	201.13	202.12	0.000953	1.88	59.8	193.7	0.37	0.37
Main-2	18933	500-year	89.4	199.25	202.15	201.19	202.27	0.000845	1.84	66.21	198.23	0.36	0.36
Main-2	18933	1000-year	101.9	199.25	202.43	201.31	202.55	0.000717	1.81	78.16	207.41	0.33	0.33
Main-2	18933	Hazel	222.5	199.25	203.77	202.11	203.77	0.000017	0.36	786.32	233.62	0.05	0.05
Main-2	18874	25-year	40.8	199.04	201	200.09	201.1	0.000906	1.49	35.61	112.14	0.35	0.35
Main-2	18874	50-year	51.1	199.04	201.22	200.24	201.34	0.000946	1.64	41.87	125.3	0.36	0.36
Main-2	18874	100-year	62	199.04	201.44	200.39	201.59	0.000954	1.77	48.97	138.09	0.37	0.37
Main-2	18874	200-year	73.4	199.04	201.68	200.52	201.84	0.000919	1.85	57.62	145.15	0.37	0.37
Main-2	18874	350-year	83.1	199.04	201.91	200.64	202.06	0.000851	1.88	65.98	151.43	0.36	0.36
Main-2	18874	500-year	89.4	199.04	202.07	200.7	202.22	0.000789	1.89	72.25	154.8	0.35	0.35
Main-2	18874	1000-year	101.9	199.04	202.35	200.85	202.5	0.000718	1.91	83.43	161.04	0.34	0.34
Main-2	18874	Hazel	222.5	199.04	203.41	201.96	203.74	0.00112	2.89	128.95	184.17	0.45	0.45
Main-2	18811	25-year	40.8	199.03	200.99		201.04	0.000461	1.09	56.06	48.99	0.25	0.25
Main-2	18811	50-year	51.1	199.03	201.22		201.28	0.000463	1.17	67.62	51.1	0.26	0.26
Main-2	18811	100-year	62	199.03	201.46		201.52	0.000451	1.24	79.95	53.36	0.26	0.26
Main-2	18811	200-year	73.4	199.03	201.7		201.77	0.000428	1.29	93.26	55.05	0.26	0.26
Main-2	18811	350-year	83.1	199.03	201.93		202	0.000396	1.31	105.87	56.23	0.25	0.25
Main-2	18811	500-year	89.4	199.03	202.1		202.16	0.000367	1.31	115.24	57.22	0.24	0.24
Main-2	18811	1000-year	101.9	199.03	202.38		202.45	0.00034	1.34	131.95	61.05	0.24	0.24
Main-2	18811	Hazel	222.5	199.03	203.49		203.64	0.000511	2	207.8	72.14	0.3	0.3
Main-2	18763	25-year	40.8	199.02	200.98		201.02	0.000387	1	60.21	56.17	0.23	0.23
Main-2	18763	50-year	51.1	199.02	201.21		201.26	0.000385	1.08	73.94	61.21	0.24	0.24
Main-2	18763	100-year	62	199.02	201.45		201.5	0.000369	1.13	88.69	62.53	0.23	0.23
Main-2	18763	200-year	73.4	199.02	201.69		201.75	0.000346	1.17	104.34	63.77	0.23	0.23
Main-2	18763	350-year	83.1	199.02	201.92		201.98	0.000317	1.19	119.06	64.94	0.22	0.22
Main-2	18763	500-year	89.4	199.02	202.09		202.14	0.000292	1.18	129.99	66.35	0.22	0.22
Main-2	18763	1000-year	101.9	199.02	202.38		202.43	0.000265	1.2	149.35	69.14	0.21	0.21
Main-2	18763	Hazel	222.5	199.02	203.5		203.61	0.000395	1.77	234.48	84.43	0.27	0.27
Main-2	18679	25-year	40.8	199.01	200.97		200.99	0.00023	0.75	90.84	99.98	0.18	0.18
Main-2	18679	50-year	51.1	199.01	201.2		201.23	0.000212	0.78	114.82	102.93	0.17	0.17
Main-2	18679	100-year	62	199.01	201.45		201.47	0.000193	0.81	140.08	105.33	0.17	0.17
Main-2	18679	200-year	73.4	199.01	201.7		201.72	0.000174	0.82	166.76	107.42	0.16	0.16
Main-2	18679	350-year	83.1	199.01	201.93		201.95	0.000154	0.82	191.91	109.64	0.16	0.16
Main-2	18679	500-year	89.4	199.01	202.1		202.12	0.00014	0.81	210.5	111.85	0.15	0.15
Main-2	18679	1000-year	101.9	199.01	202.38		202.41	0.000123	0.81	243.11	114.58	0.14	0.14
Main-2	18679	Hazel	222.5	199.01	203.52		203.57	0.000172	1.16	382.46	129.2	0.18	0.18
Main-2	18632	25-year	40.8	199.01	200.94	199.94	200.98	0.000403	0.98	82.33	102.88	0.23	0.23
Main-2	18632	50-year	51.1	199.01	201.18	200.06	201.22	0.000348	0.99	107.41	104.99	0.22	0.22
Main-2	18632	100-year	62	199.01	201.43	200.2	201.46	0.000302	1	133.67	108.08	0.21	0.21
Main-2	18632	200-year	73.4	199.01	201.68	200.32	201.71	0.000261	0.99	161.47	110.75	0.2	0.2
Main-2	18632	350-year	83.1	199.01	201.91	200.61	201.94	0.000225	0.98	187.68	113.11	0.19	0.19
Main-2	18632	500-year	89.4	199.01	202.08	200.65	202.11	0.0002	0.96	207.08	115.16	0.18	0.18
Main-2	18632	1000-year	101.9	199.01	202.37	200.74	202.4	0.000172	0.95	240.74	117.11	0.17	0.17
Main-2	18632	Hazel	222.5	199.01	203.51	201.3	203.56	0.000227	1.33	378.89	126.57	0.2	0.2
Main-2	18555	25-year	40.8	199.01	200.93		200.95	0.000204	0.71	65.7	65.04	0.17	0.17
Main-2	18555	50-year	51.1	199.01	201.17		201.19	0.000191	0.75	82.58	74.01	0.17	0.17
Main-2	18555	100-year	62	199.01	201.42		201.44	0.00017	0.76	101.69	79.13	0.16	0.16
Main-2	18555	200-year	73.4	199.01	201.67		201.7	0.000149	0.76	122.52	83.57	0.15	0.15
Main-2	18555	350-year	83.1	199.01	201.91		201.93	0.000128	0.75	142.44	85.7	0.14	0.14
Main-2	18555	500-year	89.4	199.01	202.08		202.1	0.000113	0.73	157.26	88.02	0.13	0.13
Main-2	18555	1000-year	101.9	199.01	202.37		202.39	0.000097	0.72	183.4	91.36	0.13	0.13

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-2	18555	Hazel	222.5	199.01	203.51		203.54	0.000126	1	299.19	116.78	0.15	0.15
Main-2	18508	25-year	40.8	199.01	200.86		200.93	0.000707	1.29	56.31	66.61	0.31	0.31
Main-2	18508	50-year	51.1	199.01	201.1		201.17	0.000638	1.33	73.14	71.16	0.3	0.3
Main-2	18508	100-year	62	199.01	201.35		201.42	0.000567	1.36	91.52	76.11	0.29	0.29
Main-2	18508	200-year	73.4	199.01	201.61		201.68	0.000527	1.41	113.01	92.51	0.28	0.28
Main-2	18508	350-year	83.1	199.01	201.85		201.92	0.000446	1.37	136.37	99.6	0.26	0.26
Main-2	18508	500-year	89.4	199.01	202.02		202.09	0.000395	1.35	154.44	106.96	0.25	0.25
Main-2	18508	1000-year	101.9	199.01	202.32		202.38	0.000326	1.31	187.36	113.01	0.23	0.23
Main-2	18508	Hazel	222.5	199.01	203.45		203.53	0.000391	1.74	322.91	127.3	0.27	0.27
Main-2	18453	25-year	40.8	198.98	200.86		200.89	0.000353	0.93	99.58	90.8	0.22	0.22
Main-2	18453	50-year	51.1	198.98	201.11		201.14	0.000319	0.96	122.26	93.56	0.21	0.21
Main-2	18453	100-year	62	198.98	201.36		201.39	0.000288	0.98	146.13	96.19	0.21	0.21
Main-2	18453	200-year	73.4	198.98	201.62		201.65	0.00026	1	171.22	99.16	0.2	0.2
Main-2	18453	350-year	83.1	198.98	201.86		201.89	0.000231	1	195.47	102.08	0.19	0.19
Main-2	18453	500-year	89.4	198.98	202.03		202.06	0.00021	0.99	213.5	104.72	0.18	0.18
Main-2	18453	1000-year	101.9	198.98	202.33		202.36	0.000187	1	245.17	109.28	0.18	0.18
Main-2	18453	Hazel	222.5	198.98	203.45		203.5	0.000274	1.47	376.67	124.52	0.22	0.22
Main-2	18348	25-year	40.8	197.98	200.81		200.86	0.000279	0.97	52.79	40.18	0.2	0.2
Main-2	18348	50-year	51.1	197.98	201.04		201.1	0.00031	1.09	62.97	46.97	0.21	0.21
Main-2	18348	100-year	62	197.98	201.29		201.35	0.000322	1.18	74.68	48.99	0.22	0.22
Main-2	18348	200-year	73.4	197.98	201.54		201.61	0.000325	1.25	87.32	51.5	0.23	0.23
Main-2	18348	350-year	83.1	197.98	201.78		201.85	0.00031	1.28	100.01	54.09	0.22	0.22
Main-2	18348	500-year	89.4	197.98	201.96		202.03	0.000293	1.29	109.68	56.01	0.22	0.22
Main-2	18348	1000-year	101.9	197.98	202.25		202.33	0.000278	1.33	126.94	60.75	0.22	0.22
Main-2	18348	Hazel	222.5	197.98	203.26		203.45	0.000543	2.17	213.58	121.01	0.31	0.31
Main-2	18345	25-year	40.8	197.9	200.8	199.26	200.85	0.000341	1.04	45.78	31.44	0.22	0.22
Main-2	18345	50-year	51.1	197.9	201.03	199.41	201.1	0.00038	1.17	53.39	34.26	0.23	0.23
Main-2	18345	100-year	62	197.9	201.27	199.56	201.35	0.000404	1.28	61.96	38.06	0.24	0.24
Main-2	18345	200-year	73.4	197.9	201.52	199.73	201.6	0.000416	1.37	72.04	43.08	0.25	0.25
Main-2	18345	350-year	83.1	197.9	201.75	199.86	201.85	0.000398	1.41	82.53	44.76	0.25	0.25
Main-2	18345	500-year	89.4	197.9	201.93	199.94	202.02	0.000376	1.42	90.52	46.07	0.24	0.24
Main-2	18345	1000-year	101.9	197.9	202.23	200.07	202.32	0.000353	1.46	104.44	48.94	0.24	0.24
Main-2	18345	Hazel	222.5	197.9	203.21	201.21	203.43	0.000665	2.33	152.35	62.43	0.34	0.34
Main-2	18323		Bridge										
Main-2	18299	25-year	45	196.96	200.79	198.52	200.85	0.000292	1.07	43.4	17.04	0.2	0.2
Main-2	18299	50-year	56.1	196.96	201.02	198.72	201.09	0.000359	1.23	47.35	17.79	0.22	0.22
Main-2	18299	100-year	67.7	196.96	201.25	198.91	201.34	0.000413	1.37	51.63	19.27	0.24	0.24
Main-2	18299	200-year	79.9	196.96	201.49	199.11	201.6	0.00045	1.49	56.47	21.23	0.25	0.25
Main-2	18299	350-year	90.1	196.96	201.72	199.25	201.84	0.000455	1.56	61.57	22.84	0.25	0.25
Main-2	18299	500-year	96.8	196.96	201.89	199.36	202.01	0.000447	1.59	65.64	24.61	0.25	0.25
Main-2	18299	1000-year	110.2	196.96	202.18	199.53	202.31	0.000448	1.67	73.1	28.5	0.26	0.26
Main-2	18299	Hazel	222.8	196.96	203	200.84	203.3	0.000836	2.56	104.4	42	0.36	0.36
Main-2	18231	25-year	45	196.96	200.77	198.51	200.84	0.000311	1.21	42.92	18.31	0.21	0.21
Main-2	18231	50-year	56.1	196.96	200.99	198.73	201.08	0.000385	1.4	46.83	19.27	0.23	0.23
Main-2	18231	100-year	67.7	196.96	201.22	198.95	201.33	0.000449	1.57	50.97	19.98	0.25	0.25
Main-2	18231	200-year	79.9	196.96	201.45	199.16	201.59	0.000504	1.73	55.31	20.89	0.27	0.27
Main-2	18231	350-year	90.1	196.96	201.67	199.32	201.82	0.000526	1.83	59.63	22.11	0.28	0.28
Main-2	18231	500-year	96.8	196.96	201.84	199.43	202	0.000529	1.88	62.96	23.56	0.28	0.28
Main-2	18231	1000-year	110.2	196.96	202.11	199.62	202.29	0.000545	1.99	70.82	41.48	0.29	0.29
Main-2	18231	Hazel	222.8	196.96	202.8	201.02	203.24	0.001237	3.27	122.74	98.15	0.44	0.44
Main-2	18230.9		Bridge										
Main-2	18230.7	25-year	45	196.52	200.73	198.12	200.76	0.000147	0.85	60.88	93.67	0.15	0.15
Main-2	18230.7	50-year	56.1	196.52	200.91	198.31	200.95	0.000188	0.99	65.55	99.72	0.17	0.17
Main-2	18230.7	100-year	67.7	196.52	201.08	198.48	201.14	0.000229	1.13	69.95	102.52	0.19	0.19
Main-2	18230.7	200-year	79.9	196.52	201.23	198.66	201.31	0.000274	1.27	73.96	105.37	0.2	0.2
Main-2	18230.7	350-year	90.1	196.52	201.38	198.8	201.46	0.000304	1.37	77.66	108.46	0.22	0.22

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-2	18230.7	500-year	96.8	196.52	201.48	198.88	201.52	0.000178	1.07	170.53	112.23	0.17	0.17
Main-2	18230.7	1000-year	110.2	196.52	201.67	199.06	201.71	0.000181	1.11	191.72	117.19	0.17	0.17
Main-2	18230.7	Hazel	222.8	196.52	202.71	200.32	202.76	0.000208	1.37	321.49	130.14	0.19	0.19
Main-2	18230.6	25-year	45	196.52	200.74		200.75	0.000066	0.55	127.13	102.1	0.1	0.1
Main-2	18230.6	50-year	56.1	196.52	200.93		200.94	0.000076	0.62	146.56	105.03	0.11	0.11
Main-2	18230.6	100-year	67.7	196.52	201.11		201.12	0.000085	0.68	165.51	108.39	0.12	0.12
Main-2	18230.6	200-year	79.9	196.52	201.27		201.29	0.000093	0.73	183.57	111.4	0.12	0.12
Main-2	18230.6	350-year	90.1	196.52	201.42		201.44	0.000098	0.77	200.64	116.45	0.13	0.13
Main-2	18230.6	500-year	96.8	196.52	201.49		201.52	0.000102	0.8	209.09	117.08	0.13	0.13
Main-2	18230.6	1000-year	110.2	196.52	201.68		201.7	0.000104	0.83	230.83	118.87	0.13	0.13
Main-2	18230.6	Hazel	222.8	196.52	202.72		202.76	0.000135	1.1	359.55	131.44	0.16	0.16
Main-2	18230	25-year	45	198.78	200.73		200.75	0.000202	0.74	98.25	90.44	0.17	0.17
Main-2	18230	50-year	56.1	198.78	200.92		200.94	0.000201	0.78	115.65	94.17	0.17	0.17
Main-2	18230	100-year	67.7	198.78	201.1		201.12	0.000202	0.83	132.95	99.72	0.17	0.17
Main-2	18230	200-year	79.9	198.78	201.26		201.29	0.000202	0.87	149.54	101.31	0.18	0.18
Main-2	18230	350-year	90.1	198.78	201.42		201.44	0.000194	0.89	165.01	103.13	0.17	0.17
Main-2	18230	500-year	96.8	198.78	201.49		201.51	0.000198	0.91	172.51	104.34	0.18	0.18
Main-2	18230	1000-year	110.2	198.78	201.67		201.7	0.000189	0.93	191.99	106.53	0.17	0.17
Main-2	18230	Hazel	222.8	198.78	202.71		202.75	0.000199	1.17	313.02	123.32	0.19	0.19
Main-2	18113	25-year	45	198.65	200.71		200.73	0.000207	0.75	112.45	104.59	0.17	0.17
Main-2	18113	50-year	56.1	198.65	200.89		200.92	0.000216	0.82	132.32	108.06	0.18	0.18
Main-2	18113	100-year	67.7	198.65	201.07		201.1	0.000223	0.87	151.63	110.79	0.18	0.18
Main-2	18113	200-year	79.9	198.65	201.23		201.26	0.000232	0.93	170.02	113.73	0.19	0.19
Main-2	18113	350-year	90.1	198.65	201.39		201.42	0.00023	0.96	187.43	116.79	0.19	0.19
Main-2	18113	500-year	96.8	198.65	201.46		201.49	0.000237	0.99	195.78	117.73	0.19	0.19
Main-2	18113	1000-year	110.2	198.65	201.64		201.68	0.000231	1.03	217.82	120.09	0.19	0.19
Main-2	18113	Hazel	222.8	198.65	202.67		202.73	0.000271	1.36	352.51	141.77	0.22	0.22
Main-2	18033	25-year	45	198.65	200.68		200.71	0.000254	0.82	83.3	77.52	0.19	0.19
Main-2	18033	50-year	56.1	198.65	200.86		200.9	0.000274	0.9	98.01	82.61	0.2	0.2
Main-2	18033	100-year	67.7	198.65	201.04		201.08	0.000291	0.98	112.89	88.73	0.21	0.21
Main-2	18033	200-year	79.9	198.65	201.2		201.24	0.000307	1.05	127.47	92.79	0.21	0.21
Main-2	18033	350-year	90.1	198.65	201.35		201.4	0.000306	1.09	141.62	96	0.22	0.22
Main-2	18033	500-year	96.8	198.65	201.42		201.47	0.000317	1.13	148.31	97.35	0.22	0.22
Main-2	18033	1000-year	110.2	198.65	201.6		201.66	0.000313	1.17	166.76	102.8	0.22	0.22
Main-2	18033	Hazel	222.8	198.65	202.62		202.7	0.000361	1.54	285.61	129.79	0.25	0.25
Main-2	17959	25-year	45	198.64	200.64		200.69	0.000455	1.05	74.26	82.44	0.25	0.25
Main-2	17959	50-year	56.1	198.64	200.82		200.87	0.000467	1.13	89.77	88.36	0.25	0.25
Main-2	17959	100-year	67.7	198.64	201		201.05	0.000472	1.2	105.54	93.13	0.26	0.26
Main-2	17959	200-year	79.9	198.64	201.16		201.22	0.000481	1.27	120.81	97.07	0.26	0.26
Main-2	17959	350-year	90.1	198.64	201.31		201.37	0.000464	1.3	135.9	101.22	0.26	0.26
Main-2	17959	500-year	96.8	198.64	201.38		201.44	0.000476	1.34	142.91	103.47	0.27	0.27
Main-2	17959	1000-year	110.2	198.64	201.57		201.63	0.000453	1.37	162.79	108.69	0.26	0.26
Main-2	17959	Hazel	222.8	198.64	202.59		202.68	0.000457	1.7	286.38	129.88	0.28	0.28
Main-2	17899	25-year	45	198.64	200.63		200.66	0.000329	0.91	85.32	89.3	0.21	0.21
Main-2	17899	50-year	56.1	198.64	200.81		200.85	0.000341	0.99	102.02	93.28	0.22	0.22
Main-2	17899	100-year	67.7	198.64	200.98		201.02	0.00035	1.05	118.61	97.09	0.23	0.23
Main-2	17899	200-year	79.9	198.64	201.14		201.19	0.000367	1.13	134.56	105.57	0.23	0.23
Main-2	17899	350-year	90.1	198.64	201.29		201.34	0.000355	1.16	151.15	109.76	0.23	0.23
Main-2	17899	500-year	96.8	198.64	201.36		201.41	0.000364	1.19	158.74	113.48	0.24	0.24
Main-2	17899	1000-year	110.2	198.64	201.55		201.6	0.000356	1.24	181.01	125.26	0.24	0.24
Main-2	17899	Hazel	222.8	198.64	202.58		202.65	0.000353	1.52	320.23	143.43	0.25	0.25
Main-2	17803	25-year	45	198.64	200.62		200.63	0.000209	0.74	108.31	101.93	0.17	0.17
Main-2	17803	50-year	56.1	198.64	200.8		200.82	0.000209	0.79	127.22	103.4	0.17	0.17
Main-2	17803	100-year	67.7	198.64	200.98		200.99	0.00021	0.83	145.66	106.62	0.17	0.17
Main-2	17803	200-year	79.9	198.64	201.14		201.16	0.000213	0.88	162.96	108.53	0.18	0.18
Main-2	17803	350-year	90.1	198.64	201.29		201.31	0.000206	0.9	179.92	110.83	0.18	0.18
Main-2	17803	500-year	96.8	198.64	201.36		201.38	0.000211	0.92	187.56	111.78	0.18	0.18
Main-2	17803	1000-year	110.2	198.64	201.55		201.57	0.000202	0.95	208.98	114.8	0.18	0.18

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-2	17803	Hazel	222.8	198.64	202.58		202.61	0.000218	1.2	340.77	136.06	0.19	0.19
Main-2	17700	25-year	45	198.56	200.6		200.62	0.000152	0.64	87.67	73.76	0.15	0.15
Main-2	17700	50-year	56.1	198.56	200.78		200.8	0.000158	0.7	101.66	78.7	0.15	0.15
Main-2	17700	100-year	67.7	198.56	200.96		200.98	0.000162	0.74	115.74	83.6	0.15	0.15
Main-2	17700	200-year	79.9	198.56	201.12		201.14	0.000168	0.79	129.35	86.85	0.16	0.16
Main-2	17700	350-year	90.1	198.56	201.27		201.3	0.000164	0.81	142.96	89	0.16	0.16
Main-2	17700	500-year	96.8	198.56	201.34		201.37	0.00017	0.84	149.02	89.76	0.16	0.16
Main-2	17700	1000-year	110.2	198.56	201.53		201.56	0.000164	0.86	166.2	91.88	0.16	0.16
Main-2	17700	Hazel	222.8	198.56	202.56		202.6	0.000187	1.13	268.69	109.29	0.18	0.18
Main-2	17600	25-year	45	198.54	200.55		200.59	0.000468	1.11	80.21	75.47	0.25	0.25
Main-2	17600	50-year	56.1	198.54	200.73		200.77	0.000489	1.2	93.92	77.37	0.26	0.26
Main-2	17600	100-year	67.7	198.54	200.9		200.95	0.000503	1.28	107.28	79.04	0.27	0.27
Main-2	17600	200-year	79.9	198.54	201.05		201.11	0.000524	1.37	119.68	80.45	0.28	0.28
Main-2	17600	350-year	90.1	198.54	201.21		201.27	0.00051	1.4	132.21	81.72	0.28	0.28
Main-2	17600	500-year	96.8	198.54	201.27		201.34	0.000529	1.45	137.5	82.29	0.28	0.28
Main-2	17600	1000-year	110.2	198.54	201.46		201.53	0.00051	1.5	153.22	84.09	0.28	0.28
Main-2	17600	Hazel	222.8	198.54	202.46		202.56	0.000591	1.96	241.31	92.11	0.32	0.32
Main-2	17500	25-year	45	198.52	200.48		200.54	0.000591	1.26	75.98	79.16	0.29	0.29
Main-2	17500	50-year	56.1	198.52	200.66		200.72	0.000626	1.38	90.61	89.21	0.3	0.3
Main-2	17500	100-year	67.7	198.52	200.82		200.89	0.00066	1.49	106.06	95.92	0.31	0.31
Main-2	17500	200-year	79.9	198.52	200.98		201.05	0.00066	1.55	121.33	98.13	0.32	0.32
Main-2	17500	350-year	90.1	198.52	201.14		201.21	0.000613	1.56	137.36	100.32	0.31	0.31
Main-2	17500	500-year	96.8	198.52	201.21		201.28	0.000628	1.61	143.77	100.97	0.31	0.31
Main-2	17500	1000-year	110.2	198.52	201.4		201.47	0.000576	1.61	163.9	103.09	0.3	0.3
Main-2	17500	Hazel	222.8	198.52	202.41		202.5	0.000594	2	274.86	118.43	0.32	0.32
Main-2	17400	25-year	45	198.43	200.36		200.46	0.00092	1.55	53.21	61.92	0.36	0.36
Main-2	17400	50-year	56.1	198.43	200.53		200.64	0.000998	1.7	63.41	64.57	0.38	0.38
Main-2	17400	100-year	67.7	198.43	200.68		200.8	0.001042	1.82	73.73	67.3	0.39	0.39
Main-2	17400	200-year	79.9	198.43	200.82		200.96	0.001114	1.96	83.54	72.39	0.41	0.41
Main-2	17400	350-year	90.1	198.43	200.98		201.12	0.001069	2.01	95.91	79.17	0.4	0.4
Main-2	17400	500-year	96.8	198.43	201.04		201.19	0.001111	2.08	100.37	79.99	0.41	0.41
Main-2	17400	1000-year	110.2	198.43	201.25		201.39	0.000995	2.07	117.65	84.09	0.4	0.4
Main-2	17400	Hazel	222.8	198.43	202.26		202.42	0.000918	2.45	210.62	99.42	0.4	0.4
Main-2	17300	25-year	45	198.42	200.27	199.83	200.35	0.001137	1.65	64.73	75.21	0.39	0.39
Main-2	17300	50-year	56.1	198.42	200.44	199.93	200.52	0.001136	1.75	77.29	77.87	0.4	0.4
Main-2	17300	100-year	67.7	198.42	200.6	200.03	200.69	0.00112	1.83	90.03	80.44	0.4	0.4
Main-2	17300	200-year	79.9	198.42	200.74		200.84	0.001131	1.92	101.91	84.31	0.41	0.41
Main-2	17300	350-year	90.1	198.42	200.92		201.01	0.001009	1.91	117.08	89.88	0.39	0.39
Main-2	17300	500-year	96.8	198.42	200.97		201.07	0.00105	1.97	122.02	94.32	0.4	0.4
Main-2	17300	1000-year	110.2	198.42	201.18		201.28	0.001027	2.06	143.92	114.8	0.4	0.4
Main-2	17300	Hazel	222.8	198.42	202.22		202.32	0.000777	2.23	271.13	127.47	0.37	0.37
Main-2	17200	25-year	45	198.41	199.73	199.73	200.1	0.005809	3.02	21.89	34.94	0.84	0.84
Main-2	17200	50-year	56.1	198.41	199.88	199.88	200.27	0.005555	3.17	27.19	35.63	0.84	0.84
Main-2	17200	100-year	67.7	198.41	199.99	199.99	200.43	0.005801	3.41	31.28	36.73	0.87	0.87
Main-2	17200	200-year	79.9	198.41	200.19	200.1	200.6	0.004793	3.36	39.72	46.72	0.81	0.81
Main-2	17200	350-year	90.1	198.41	200.63		200.85	0.002157	2.61	67.81	73.93	0.56	0.56
Main-2	17200	500-year	96.8	198.41	200.67		200.9	0.002319	2.74	70.15	74.45	0.58	0.58
Main-2	17200	1000-year	110.2	198.41	200.97		201.14	0.001589	2.47	93.16	76.76	0.49	0.49
Main-2	17200	Hazel	222.8	198.41	202.03		202.21	0.001244	2.75	181.43	92.03	0.46	0.46
Main-2	16960	25-year	45	197.09	199.74		199.77	0.000309	0.85	95	158.46	0.2	0.2
Main-2	16960	50-year	56.1	197.09	199.95		199.97	0.000232	0.79	128.96	174.94	0.18	0.18
Main-2	16960	100-year	67.7	197.09	200.17		200.18	0.000175	0.73	172.08	216.62	0.16	0.16
Main-2	16960	200-year	79.9	197.09	200.38		200.39	0.000134	0.68	221.5	242.47	0.14	0.14
Main-2	16960	350-year	90.1	197.09	200.74		200.74	0.000072	0.55	311.44	258.36	0.1	0.1
Main-2	16960	500-year	96.8	197.09	200.78		200.79	0.000075	0.57	322.17	259.65	0.11	0.11
Main-2	16960	1000-year	110.2	197.09	201.05		201.06	0.000056	0.52	394.59	270.59	0.09	0.09
Main-2	16960	Hazel	222.8	197.09	202.12		202.13	0.000045	0.56	700.8	295.89	0.09	0.09

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-2	16956	25-year	45	197.23	199.66	198.57	199.75	0.000716	1.32	36.74	91.67	0.31	0.31
Main-2	16956	50-year	56.1	197.23	199.84	198.74	199.94	0.000781	1.46	41.67	179.66	0.33	0.33
Main-2	16956	100-year	67.7	197.23	200.03	198.9	200.15	0.000805	1.57	46.96	204.31	0.34	0.34
Main-2	16956	200-year	79.9	197.23	200.23	199.06	200.36	0.00081	1.67	52.44	226.85	0.34	0.34
Main-2	16956	350-year	90.1	197.23	200.68	199.21	200.73	0.000296	1.13	123.41	253.98	0.21	0.21
Main-2	16956	500-year	96.8	197.23	200.72	199.35	200.77	0.000315	1.18	127.86	255.02	0.22	0.22
Main-2	16956	1000-year	110.2	197.23	201.01	199.49	201.05	0.000228	1.07	162.9	266.59	0.19	0.19
Main-2	16956	Hazel	222.8	197.23	202.12	200.3	202.13	0.00004	0.54	671.87	310.13	0.08	0.08
Main-2	16943		Bridge										
Main-2	16929	25-year	45	197	199.64	198.44	199.71	0.000587	1.2	44.8	152.98	0.27	0.27
Main-2	16929	50-year	56.1	197	199.8	198.61	199.89	0.000672	1.36	50.4	191.41	0.3	0.3
Main-2	16929	100-year	67.7	197	199.98	198.76	200.08	0.000727	1.49	56.33	224.05	0.31	0.31
Main-2	16929	200-year	79.9	197	200.15	198.93	200.27	0.000765	1.6	62.36	248.05	0.33	0.33
Main-2	16929	350-year	90.1	197	200.31	199.06	200.44	0.000771	1.68	67.72	255.87	0.33	0.33
Main-2	16929	500-year	96.8	197	200.41	199.19	200.54	0.000776	1.72	71.06	262.07	0.33	0.33
Main-2	16929	1000-year	110.2	197	200.63	199.33	200.77	0.000756	1.79	78.43	271.56	0.33	0.33
Main-2	16929	Hazel	222.8	197	202.1	200.12	202.11	0.000049	0.6	756.61	342.44	0.09	0.09
Main-2	16923	25-year	45	197	199.66		199.68	0.00027	0.83	127.71	266.01	0.19	0.19
Main-2	16923	50-year	56.1	197	199.83		199.85	0.000221	0.8	175.26	272.81	0.17	0.17
Main-2	16923	100-year	67.7	197	200.02		200.03	0.000177	0.75	226.24	280.64	0.16	0.16
Main-2	16923	200-year	79.9	197	200.21		200.22	0.000145	0.72	279.09	286.63	0.14	0.14
Main-2	16923	350-year	90.1	197	200.37		200.38	0.000122	0.68	326.31	292.22	0.13	0.13
Main-2	16923	500-year	96.8	197	200.47		200.48	0.000111	0.67	356.18	294.94	0.13	0.13
Main-2	16923	1000-year	110.2	197	200.69		200.7	0.00009	0.63	422.2	301.08	0.12	0.12
Main-2	16923	Hazel	222.8	197	202.1		202.11	0.000044	0.58	880.22	347.96	0.09	0.09
Main-2	16904	25-year	45	198.25	199.63		199.65	0.000482	0.85	136.99	237.15	0.24	0.24
Main-2	16904	50-year	56.1	198.25	199.81		199.83	0.000347	0.79	180.97	241.8	0.21	0.21
Main-2	16904	100-year	67.7	198.25	200		200.01	0.000263	0.74	227.06	245.89	0.19	0.19
Main-2	16904	200-year	79.9	198.25	200.19		200.2	0.00021	0.71	273.84	249.4	0.17	0.17
Main-2	16904	350-year	90.1	198.25	200.36		200.37	0.000175	0.69	315.42	254.08	0.16	0.16
Main-2	16904	500-year	96.8	198.25	200.46		200.47	0.000159	0.68	341.94	262.93	0.15	0.15
Main-2	16904	1000-year	110.2	198.25	200.68		200.69	0.000129	0.66	403.88	282.93	0.14	0.14
Main-2	16904	Hazel	222.8	198.25	202.1		202.1	0.000064	0.63	836.46	331.23	0.1	0.1
Main-2	16894	25-year	45	198.21	199.62		199.63	0.000322	0.74	164.7	269.79	0.2	0.2
Main-2	16894	50-year	56.1	198.21	199.8		199.81	0.000237	0.69	215.8	274.23	0.18	0.18
Main-2	16894	100-year	67.7	198.21	200		200	0.000182	0.65	268.61	276.87	0.16	0.16
Main-2	16894	200-year	79.9	198.21	200.19		200.19	0.000149	0.63	321.64	279.83	0.14	0.14
Main-2	16894	350-year	90.1	198.21	200.35		200.36	0.000126	0.61	368.41	283.24	0.13	0.13
Main-2	16894	500-year	96.8	198.21	200.46		200.46	0.000116	0.61	397.72	285.9	0.13	0.13
Main-2	16894	1000-year	110.2	198.21	200.68		200.69	0.000095	0.59	462.49	291.13	0.12	0.12
Main-2	16894	Hazel	222.8	198.21	202.09		202.1	0.000053	0.59	902.84	336.68	0.1	0.1
Main-2	16779	25-year	45	198.03	199.58		199.6	0.000262	0.71	106.94	130.24	0.18	0.18
Main-2	16779	50-year	56.1	198.03	199.77		199.79	0.000241	0.74	131.84	134.05	0.18	0.18
Main-2	16779	100-year	67.7	198.03	199.97		199.99	0.000221	0.76	159.47	154.28	0.18	0.18
Main-2	16779	200-year	79.9	198.03	200.16		200.18	0.0002	0.77	189.88	160.77	0.17	0.17
Main-2	16779	350-year	90.1	198.03	200.33		200.35	0.00018	0.77	217.2	163.92	0.16	0.16
Main-2	16779	500-year	96.8	198.03	200.43		200.45	0.000171	0.77	234.32	165.66	0.16	0.16
Main-2	16779	1000-year	110.2	198.03	200.66		200.68	0.000148	0.76	272.25	169.38	0.15	0.15
Main-2	16779	Hazel	222.8	198.03	202.07		202.09	0.000103	0.85	545.68	227.89	0.14	0.14
Main-2	16687	25-year	45	197.95	199.57		199.58	0.000236	0.66	169	222.2	0.17	0.17
Main-2	16687	50-year	56.1	197.95	199.77		199.77	0.00019	0.64	212.64	228.34	0.16	0.16
Main-2	16687	100-year	67.7	197.95	199.96		199.97	0.000155	0.63	257.63	229.71	0.14	0.14
Main-2	16687	200-year	79.9	197.95	200.16		200.16	0.000133	0.62	302.39	231.01	0.14	0.14
Main-2	16687	350-year	90.1	197.95	200.33		200.33	0.000116	0.61	341.65	232.37	0.13	0.13
Main-2	16687	500-year	96.8	197.95	200.43		200.44	0.000109	0.61	365.99	233.38	0.12	0.12
Main-2	16687	1000-year	110.2	197.95	200.66		200.66	0.000092	0.59	419.33	235.09	0.12	0.12
Main-2	16687	Hazel	222.8	197.95	202.08		202.08	0.000061	0.64	763.06	254.59	0.1	0.1

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-2	16529	25-year	45	197.83	199.53		199.55	0.000367	0.89	135	200.75	0.22	0.22
Main-2	16529	50-year	56.1	197.83	199.73		199.75	0.000284	0.85	176.77	205.86	0.2	0.2
Main-2	16529	100-year	67.7	197.83	199.94		199.95	0.000228	0.81	218.72	206.63	0.18	0.18
Main-2	16529	200-year	79.9	197.83	200.14		200.15	0.000193	0.79	259.8	207.28	0.17	0.17
Main-2	16529	350-year	90.1	197.83	200.31		200.32	0.000167	0.78	295.55	207.8	0.16	0.16
Main-2	16529	500-year	96.8	197.83	200.41		200.42	0.000156	0.77	317.56	208.26	0.15	0.15
Main-2	16529	1000-year	110.2	197.83	200.64		200.65	0.000132	0.75	365.6	209.51	0.14	0.14
Main-2	16529	Hazel	222.8	197.83	202.07		202.08	0.000083	0.78	684.74	249.83	0.12	0.12
Main-2	16427	25-year	45	197.78	199.51		199.53	0.000283	0.79	136.2	160.8	0.19	0.19
Main-2	16427	50-year	56.1	197.78	199.72		199.73	0.00024	0.79	169.87	163.63	0.18	0.18
Main-2	16427	100-year	67.7	197.78	199.92		199.94	0.000209	0.79	203.63	164.96	0.17	0.17
Main-2	16427	200-year	79.9	197.78	200.12		200.14	0.000187	0.79	237.78	186.61	0.17	0.17
Main-2	16427	350-year	90.1	197.78	200.3		200.31	0.000167	0.79	272.01	204.25	0.16	0.16
Main-2	16427	500-year	96.8	197.78	200.4		200.42	0.000158	0.79	296.32	241.78	0.16	0.16
Main-2	16427	1000-year	110.2	197.78	200.64		200.65	0.000134	0.77	354.54	256.83	0.15	0.15
Main-2	16427	Hazel	222.8	197.78	202.06		202.07	0.000076	0.76	745.84	287	0.12	0.12
Main-2	16342	25-year	45	197.66	199.49		199.5	0.000274	0.79	131.76	145.78	0.19	0.19
Main-2	16342	50-year	56.1	197.66	199.7		199.71	0.000243	0.8	162.56	147.68	0.18	0.18
Main-2	16342	100-year	67.7	197.66	199.9		199.92	0.000219	0.81	193.5	150.58	0.18	0.18
Main-2	16342	200-year	79.9	197.66	200.1		200.12	0.000204	0.83	228.04	189.86	0.17	0.17
Main-2	16342	350-year	90.1	197.66	200.27		200.29	0.000218	0.9	264.8	235.79	0.18	0.18
Main-2	16342	500-year	96.8	197.66	200.38		200.4	0.000199	0.89	290.54	237.84	0.17	0.17
Main-2	16342	1000-year	110.2	197.66	200.62		200.63	0.000162	0.85	347.18	242.14	0.16	0.16
Main-2	16342	Hazel	222.8	197.66	202.05		202.07	0.000089	0.82	713.59	269.09	0.13	0.13
Main-2	16124	25-year	45	197.42	199.43		199.45	0.000435	0.86	110.12	137.93	0.2	0.2
Main-2	16124	50-year	56.1	197.42	199.66		199.67	0.000345	0.81	140.99	139.35	0.18	0.18
Main-2	16124	100-year	67.7	197.42	199.87		199.88	0.000289	0.78	171.22	141.27	0.17	0.17
Main-2	16124	200-year	79.9	197.42	200.08		200.09	0.000253	0.75	200.42	142.75	0.16	0.16
Main-2	16124	350-year	90.1	197.42	200.25		200.26	0.000225	0.74	225.13	143.72	0.15	0.15
Main-2	16124	500-year	96.8	197.42	200.36		200.37	0.00021	0.74	241.1	144.64	0.14	0.14
Main-2	16124	1000-year	110.2	197.42	200.6		200.61	0.000179	0.72	276.3	154.49	0.14	0.14
Main-2	16124	Hazel	222.8	197.42	202.04		202.05	0.000115	0.76	626.91	340.61	0.12	0.12
Main-2	16065	25-year	45	197.39	199.39		199.42	0.000428	1.03	109.93	130.8	0.24	0.24
Main-2	16065	50-year	56.1	197.39	199.62		199.65	0.000359	1.02	142.36	151.83	0.22	0.22
Main-2	16065	100-year	67.7	197.39	199.84		199.86	0.000308	1.01	176.47	160.58	0.21	0.21
Main-2	16065	200-year	79.9	197.39	200.05		200.07	0.000272	1	210.6	166.54	0.2	0.2
Main-2	16065	350-year	90.1	197.39	200.22		200.24	0.000245	1	240.21	171.38	0.19	0.19
Main-2	16065	500-year	96.8	197.39	200.34		200.36	0.00023	0.99	259.61	174.27	0.19	0.19
Main-2	16065	1000-year	110.2	197.39	200.58		200.6	0.000196	0.97	302.68	179.84	0.18	0.18
Main-2	16065	Hazel	222.8	197.39	202.02		202.04	0.000146	1.08	600.85	246.62	0.16	0.16
Main-2	15876	25-year	45	197.34	199.36	198.53	199.37	0.000233	0.79	133.23	188.47	0.18	0.18
Main-2	15876	50-year	56.1	197.34	199.59	198.63	199.61	0.000208	0.8	165.44	203.72	0.17	0.17
Main-2	15876	100-year	67.7	197.34	199.81	198.7	199.83	0.00019	0.82	197.43	216.06	0.17	0.17
Main-2	15876	200-year	79.9	197.34	200.02	198.77	200.04	0.000178	0.84	228.84	229.17	0.16	0.16
Main-2	15876	350-year	90.1	197.34	200.2	198.82	200.22	0.000167	0.85	256.12	236.61	0.16	0.16
Main-2	15876	500-year	96.8	197.34	200.31	198.86	200.33	0.000161	0.85	273.92	241.42	0.16	0.16
Main-2	15876	1000-year	110.2	197.34	200.56	198.92	200.57	0.000144	0.85	313.33	252.85	0.15	0.15
Main-2	15876	Hazel	222.8	197.34	202.02	199.32	202.03	0.000064	0.73	842.63	309.59	0.11	0.11
Main-2	15777	25-year	45	197.31	199.34		199.35	0.000154	0.65	174.85	163.4	0.15	0.15
Main-2	15777	50-year	56.1	197.31	199.58		199.59	0.000138	0.66	213.6	167.12	0.14	0.14
Main-2	15777	100-year	67.7	197.31	199.8		199.81	0.000127	0.68	251.44	171	0.14	0.14
Main-2	15777	200-year	79.9	197.31	200.01		200.02	0.00012	0.7	287.94	174.25	0.14	0.14
Main-2	15777	350-year	90.1	197.31	200.19		200.2	0.000114	0.71	319.19	177.32	0.13	0.13
Main-2	15777	500-year	96.8	197.31	200.3		200.31	0.00011	0.71	339.45	178.63	0.13	0.13
Main-2	15777	1000-year	110.2	197.31	200.55		200.56	0.000099	0.72	384.04	182.2	0.13	0.13
Main-2	15777	Hazel	222.8	197.31	202.01		202.02	0.000081	0.83	661.58	198.86	0.12	0.12
Main-2	15661	25-year	45	197.28	199.31		199.33	0.00028	0.85	120.27	112.96	0.2	0.2
Main-2	15661	50-year	56.1	197.28	199.55		199.57	0.000251	0.87	147.39	115.77	0.19	0.19

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-2	15661	100-year	67.7	197.28	199.77		199.8	0.000231	0.89	173.73	118.16	0.18	0.18
Main-2	15661	200-year	79.9	197.28	199.99		200.01	0.000222	0.93	199.22	124.17	0.18	0.18
Main-2	15661	350-year	90.1	197.28	200.17		200.19	0.00021	0.94	221.83	129.33	0.18	0.18
Main-2	15661	500-year	96.8	197.28	200.28		200.3	0.000203	0.95	236.96	137.48	0.18	0.18
Main-2	15661	1000-year	110.2	197.28	200.53		200.55	0.000184	0.96	275.47	174.97	0.17	0.17
Main-2	15661	Hazel	222.8	197.28	201.99		202.01	0.000118	0.99	602.43	244.66	0.15	0.15
Main-2	15469	25-year	45	197.15	199.19		199.26	0.000622	1.32	73	86.1	0.3	0.3
Main-2	15469	50-year	56.1	197.15	199.44		199.5	0.000539	1.33	96.71	105.27	0.28	0.28
Main-2	15469	100-year	67.7	197.15	199.68		199.73	0.000486	1.34	123.33	118.9	0.27	0.27
Main-2	15469	200-year	79.9	197.15	199.9		199.95	0.000418	1.32	151.57	131.21	0.26	0.26
Main-2	15469	350-year	90.1	197.15	200.09		200.14	0.000366	1.29	177.2	140.47	0.24	0.24
Main-2	15469	500-year	96.8	197.15	200.21		200.25	0.000338	1.27	194.43	145.71	0.23	0.23
Main-2	15469	1000-year	110.2	197.15	200.47		200.51	0.000276	1.22	233.11	150.25	0.21	0.21
Main-2	15469	Hazel	222.8	197.15	201.97		201.99	0.000138	1.11	560.51	254.79	0.16	0.16
Main-2	15380	25-year	45	196	199.17		199.22	0.000288	1.09	73.15	65.2	0.2	0.2
Main-2	15380	50-year	56.1	196	199.42		199.47	0.000289	1.15	90.21	73.74	0.21	0.21
Main-2	15380	100-year	67.7	196	199.65		199.7	0.000282	1.19	108.27	81.88	0.21	0.21
Main-2	15380	200-year	79.9	196	199.87		199.92	0.000276	1.23	127.54	93.02	0.21	0.21
Main-2	15380	350-year	90.1	196	200.06		200.11	0.000263	1.24	145.68	99.35	0.2	0.2
Main-2	15380	500-year	96.8	196	200.18		200.23	0.000253	1.25	157.81	104.53	0.2	0.2
Main-2	15380	1000-year	110.2	196	200.44		200.49	0.000224	1.22	186.3	112.47	0.19	0.19
Main-2	15380	Hazel	222.8	196	201.95		201.98	0.000133	1.16	447.34	204.47	0.15	0.15
Main-2	15376	25-year	45	196	199.15	197.49	199.21	0.00035	1.21	58.75	67.78	0.23	0.23
Main-2	15376	50-year	56.1	196	199.38	197.68	199.46	0.000392	1.35	67.58	74.86	0.24	0.24
Main-2	15376	100-year	67.7	196	199.6	198.01	199.69	0.000429	1.48	75.89	83.18	0.26	0.26
Main-2	15376	200-year	79.9	196	199.81	198.19	199.91	0.000464	1.6	83.74	89.04	0.27	0.27
Main-2	15376	350-year	90.1	196	199.98	198.32	200.09	0.000482	1.68	90.36	95.78	0.28	0.28
Main-2	15376	500-year	96.8	196	200.09	198.4	200.21	0.000492	1.73	94.59	97.36	0.28	0.28
Main-2	15376	1000-year	110.2	196	200.34	198.54	200.46	0.000493	1.81	103.99	106.61	0.28	0.28
Main-2	15376	Hazel	222.8	196	201.72	199.54	201.92	0.000624	2.46	156.27	199.95	0.34	0.34
Main-2	15354		Bridge										
Main-2	15337	25-year	45	195.94	199.09	197.67	199.17	0.000463	1.26	38.48	20.46	0.26	0.26
Main-2	15337	50-year	56.1	195.94	199.3	197.84	199.4	0.000529	1.42	42.88	21.5	0.28	0.28
Main-2	15337	100-year	67.7	195.94	199.49	198.02	199.61	0.000595	1.58	47.08	22.66	0.3	0.3
Main-2	15337	200-year	79.9	195.94	199.66	198.19	199.8	0.000667	1.73	51.06	24.1	0.32	0.32
Main-2	15337	350-year	90.1	195.94	199.81	198.33	199.96	0.00071	1.85	54.62	25.39	0.33	0.33
Main-2	15337	500-year	96.8	195.94	199.9	198.43	200.07	0.000735	1.91	56.96	26.28	0.34	0.34
Main-2	15337	1000-year	110.2	195.94	200.11	198.58	200.29	0.000745	2.01	62.77	28.62	0.34	0.34
Main-2	15337	Hazel	222.8	195.94	201.36	199.61	201.63	0.000762	2.5	106.12	161.65	0.37	0.37
Main-2	15330	25-year	45	197.13	199.09		199.16	0.000696	1.33	43.85	53.22	0.31	0.31
Main-2	15330	50-year	56.1	197.13	199.31		199.38	0.000637	1.37	56.49	63.5	0.3	0.3
Main-2	15330	100-year	67.7	197.13	199.51		199.58	0.00059	1.4	70.08	70.41	0.29	0.29
Main-2	15330	200-year	79.9	197.13	199.69		199.76	0.000545	1.42	83.45	76.16	0.29	0.29
Main-2	15330	350-year	90.1	197.13	199.84		199.91	0.000503	1.42	96.01	86.61	0.28	0.28
Main-2	15330	500-year	96.8	197.13	199.94		200.01	0.000479	1.41	104.67	90.26	0.27	0.27
Main-2	15330	1000-year	110.2	197.13	200.16		200.23	0.000411	1.38	125.4	97.19	0.26	0.26
Main-2	15330	Hazel	222.8	197.13	201.47		201.52	0.000234	1.33	309.82	196.18	0.2	0.2
Main-2	15280	25-year	45	197.12	199.08		199.12	0.000485	1.14	86.71	88.03	0.26	0.26
Main-2	15280	50-year	56.1	197.12	199.3		199.34	0.000444	1.17	106.87	92.74	0.25	0.25
Main-2	15280	100-year	67.7	197.12	199.51		199.55	0.000421	1.21	125.89	96.48	0.25	0.25
Main-2	15280	200-year	79.9	197.12	199.69		199.73	0.000412	1.26	143.84	100.32	0.25	0.25
Main-2	15280	350-year	90.1	197.12	199.84		199.88	0.000399	1.28	159.41	103.64	0.25	0.25
Main-2	15280	500-year	96.8	197.12	199.94		199.98	0.00039	1.3	169.5	105.18	0.25	0.25
Main-2	15280	1000-year	110.2	197.12	200.16		200.2	0.000353	1.3	193.15	108.06	0.24	0.24
Main-2	15280	Hazel	222.8	197.12	201.46		201.5	0.000279	1.47	345.89	122.76	0.23	0.23
Main-2	15200	25-year	45	196.76	199.06		199.09	0.000394	1.12	98.07	95.63	0.24	0.24
Main-2	15200	50-year	56.1	196.76	199.28		199.32	0.000365	1.15	120.06	98.43	0.23	0.23

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-2	15200	100-year	67.7	196.76	199.49		199.52	0.000353	1.2	140.48	103.99	0.23	0.23
Main-2	15200	200-year	79.9	196.76	199.67		199.71	0.000348	1.24	159.85	106.54	0.24	0.24
Main-2	15200	350-year	90.1	196.76	199.82		199.86	0.000338	1.27	176.41	108.43	0.23	0.23
Main-2	15200	500-year	96.8	196.76	199.92		199.96	0.000332	1.29	187.04	110.37	0.23	0.23
Main-2	15200	1000-year	110.2	196.76	200.15		200.18	0.000303	1.29	212.03	112.37	0.23	0.23
Main-2	15200	Hazel	222.8	196.76	201.45		201.49	0.000257	1.48	360.43	115.56	0.22	0.22
Main-2	15064	25-year	45	195.71	199.06		199.07	0.000099	0.64	139.42	177.68	0.12	0.12
Main-2	15064	50-year	56.1	195.71	199.29		199.3	0.000088	0.64	181.86	192.23	0.12	0.12
Main-2	15064	100-year	67.7	195.71	199.49		199.5	0.000081	0.64	222.28	203.56	0.11	0.11
Main-2	15064	200-year	79.9	195.71	199.68		199.69	0.000078	0.65	263.2	242.57	0.11	0.11
Main-2	15064	350-year	90.1	195.71	199.83		199.84	0.000072	0.64	303.52	267.31	0.11	0.11
Main-2	15064	500-year	96.8	195.71	199.93		199.94	0.000068	0.64	330.04	273.49	0.11	0.11
Main-2	15064	1000-year	110.2	195.71	200.16		200.16	0.000058	0.61	394.1	307.13	0.1	0.1
Main-2	15064	Hazel	222.8	195.71	201.47		201.47	0.000029	0.53	894.05	399.74	0.07	0.07
Main-2	15060	25-year	45	195.79	199.01	197.34	199.06	0.000277	1.06	62.74	189.14	0.2	0.2
Main-2	15060	50-year	56.1	195.79	199.23	197.53	199.28	0.000277	1.12	88.61	245.07	0.21	0.21
Main-2	15060	100-year	67.7	195.79	199.45	197.7	199.49	0.000248	1.11	123.89	289.08	0.2	0.2
Main-2	15060	200-year	79.9	195.79	199.64	197.89	199.68	0.000217	1.08	161.06	320.46	0.19	0.19
Main-2	15060	350-year	90.1	195.79	199.8	198.04	199.83	0.000187	1.03	194.81	327.62	0.17	0.17
Main-2	15060	500-year	96.8	195.79	199.9	198.12	199.93	0.00017	1.01	216.02	330.28	0.17	0.17
Main-2	15060	1000-year	110.2	195.79	200.14	198.29	200.16	0.000134	0.93	264.87	341.55	0.15	0.15
Main-2	15060	Hazel	222.8	195.79	201.47	199.52	201.47	0.000022	0.46	956.25	395.37	0.06	0.06
Main-2	15047		Bridge										
Main-2	15037	25-year	45	195.38	199.01	197.15	199.04	0.000221	0.88	63.9	73.15	0.18	0.18
Main-2	15037	50-year	56.1	195.38	199.23	197.36	199.26	0.000225	0.93	79.2	77.71	0.18	0.18
Main-2	15037	100-year	67.7	195.38	199.43	197.56	199.47	0.000227	0.98	94.12	82.06	0.18	0.18
Main-2	15037	200-year	79.9	195.38	199.62	197.73	199.67	0.000227	1.03	108.88	94.04	0.18	0.18
Main-2	15037	350-year	90.1	195.38	199.78	197.89	199.82	0.000225	1.06	120.88	106.89	0.18	0.18
Main-2	15037	500-year	96.8	195.38	199.88	198.03	199.92	0.000224	1.07	128.55	109.9	0.19	0.19
Main-2	15037	1000-year	110.2	195.38	200.1	198.17	200.14	0.000212	1.09	147.35	145.6	0.18	0.18
Main-2	15037	Hazel	222.8	195.38	201.46	199.2	201.47	0.000044	0.62	635.91	378.32	0.09	0.09
Main-2	15031	25-year	45	195.38	199.02		199.03	0.000094	0.61	93.85	87.05	0.12	0.12
Main-2	15031	50-year	56.1	195.38	199.24		199.25	0.000094	0.64	113.76	96.53	0.12	0.12
Main-2	15031	100-year	67.7	195.38	199.44		199.46	0.000093	0.67	134.9	108.79	0.12	0.12
Main-2	15031	200-year	79.9	195.38	199.64		199.65	0.000091	0.69	157.32	118.66	0.12	0.12
Main-2	15031	350-year	90.1	195.38	199.79		199.81	0.00009	0.7	176.28	125.89	0.12	0.12
Main-2	15031	500-year	96.8	195.38	199.89		199.91	0.000089	0.71	188.66	129.68	0.12	0.12
Main-2	15031	1000-year	110.2	195.38	200.11		200.13	0.000082	0.71	218.89	144.84	0.12	0.12
Main-2	15031	Hazel	222.8	195.38	201.46		201.47	0.000039	0.6	644.27	371.77	0.09	0.09
Main-2	14975	25-year	45	196.72	198.96		199.01	0.000458	1.12	55.14	47.39	0.25	0.25
Main-2	14975	50-year	56.1	196.72	199.18		199.23	0.000454	1.19	66.04	54.74	0.25	0.25
Main-2	14975	100-year	67.7	196.72	199.38		199.44	0.000449	1.25	78.91	69.47	0.25	0.25
Main-2	14975	200-year	79.9	196.72	199.58		199.63	0.000438	1.3	92.87	73.82	0.25	0.25
Main-2	14975	350-year	90.1	196.72	199.73		199.79	0.000427	1.33	104.62	79.94	0.25	0.25
Main-2	14975	500-year	96.8	196.72	199.83		199.89	0.000419	1.35	112.53	83.46	0.25	0.25
Main-2	14975	1000-year	110.2	196.72	200.05		200.11	0.000377	1.34	133.89	105.77	0.24	0.24
Main-2	14975	Hazel	222.8	196.72	201.44		201.46	0.000138	1.04	432.78	280.85	0.15	0.15
Main-2	14861	25-year	45	196.69	198.84		198.94	0.000798	1.51	39.93	33.75	0.33	0.33
Main-2	14861	50-year	56.1	196.69	199.05		199.16	0.000831	1.64	46.99	35.16	0.34	0.34
Main-2	14861	100-year	67.7	196.69	199.24		199.37	0.000858	1.76	53.83	36.53	0.36	0.36
Main-2	14861	200-year	79.9	196.69	199.42		199.56	0.000885	1.87	60.67	38.31	0.36	0.36
Main-2	14861	350-year	90.1	196.69	199.57		199.72	0.00091	1.97	66.3	42.38	0.37	0.37
Main-2	14861	500-year	96.8	196.69	199.66		199.81	0.000916	2.01	70.32	45.05	0.38	0.38
Main-2	14861	1000-year	110.2	196.69	199.89		200.04	0.000839	2.03	82.11	57.54	0.37	0.37
Main-2	14861	Hazel	222.8	196.69	201.34		201.43	0.00041	1.82	246.89	179.88	0.27	0.27
Main-2	14726	25-year	45	196.67	198.77		198.84	0.000627	1.26	54.8	48.54	0.29	0.29
Main-2	14726	50-year	56.1	196.67	198.98		199.05	0.000641	1.36	64.92	49.94	0.3	0.3

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-2	14726	100-year	67.7	196.67	199.17		199.25	0.000656	1.46	74.71	53.58	0.3	0.3
Main-2	14726	200-year	79.9	196.67	199.35		199.45	0.000667	1.55	85.17	60.63	0.31	0.31
Main-2	14726	350-year	90.1	196.67	199.5		199.6	0.000672	1.61	94.53	71.62	0.31	0.31
Main-2	14726	500-year	96.8	196.67	199.59		199.69	0.000672	1.65	101.68	81.16	0.32	0.32
Main-2	14726	1000-year	110.2	196.67	199.84		199.93	0.000599	1.65	126.15	118.52	0.3	0.3
Main-2	14726	Hazel	222.8	196.67	201.32		201.37	0.000289	1.49	380.61	198.96	0.22	0.22
Main-2	14610	25-year	45	196.67	198.67		198.76	0.000786	1.44	57.35	73.88	0.33	0.33
Main-2	14610	50-year	56.1	196.67	198.88		198.97	0.000765	1.52	73.54	80.96	0.33	0.33
Main-2	14610	100-year	67.7	196.67	199.08		199.17	0.000736	1.58	90.09	85.42	0.33	0.33
Main-2	14610	200-year	79.9	196.67	199.27		199.37	0.000715	1.64	106.67	90.29	0.33	0.33
Main-2	14610	350-year	90.1	196.67	199.41		199.52	0.000712	1.7	120.6	98.72	0.33	0.33
Main-2	14610	500-year	96.8	196.67	199.51		199.62	0.000705	1.73	130.19	103.54	0.33	0.33
Main-2	14610	1000-year	110.2	196.67	199.77		199.87	0.000588	1.68	160.61	124.85	0.31	0.31
Main-2	14610	Hazel	222.8	196.67	201.27		201.34	0.00034	1.67	379.03	164.89	0.25	0.25
Main-2	14515	25-year	45	196.41	198.61		198.71	0.000879	1.62	62.54	76.11	0.35	0.35
Main-2	14515	50-year	56.1	196.41	198.82		198.93	0.000868	1.71	79.59	84.93	0.35	0.35
Main-2	14515	100-year	67.7	196.41	199.02		199.13	0.000842	1.78	97.55	92.71	0.35	0.35
Main-2	14515	200-year	79.9	196.41	199.22		199.33	0.000805	1.83	116.35	97.52	0.35	0.35
Main-2	14515	350-year	90.1	196.41	199.37		199.48	0.000782	1.87	131.76	102.99	0.35	0.35
Main-2	14515	500-year	96.8	196.41	199.47		199.58	0.000764	1.89	142.01	107.77	0.35	0.35
Main-2	14515	1000-year	110.2	196.41	199.74		199.84	0.000666	1.86	176.21	151.4	0.33	0.33
Main-2	14515	Hazel	222.8	196.41	201.27		201.32	0.000301	1.61	462.75	211.9	0.23	0.23
Main-2	14514	25-year	45	196.4	198.62		198.67	0.000496	1.18	79.54	107.67	0.26	0.26
Main-2	14514	50-year	56.1	196.4	198.84		198.89	0.000459	1.21	104.15	116.13	0.25	0.25
Main-2	14514	100-year	67.7	196.4	199.04		199.09	0.000428	1.24	129.32	127.51	0.25	0.25
Main-2	14514	200-year	79.9	196.4	199.24		199.29	0.000403	1.26	155.39	136.44	0.24	0.24
Main-2	14514	350-year	90.1	196.4	199.39		199.44	0.000387	1.28	176.96	145.17	0.24	0.24
Main-2	14514	500-year	96.8	196.4	199.49		199.54	0.000375	1.29	191.53	150.59	0.24	0.24
Main-2	14514	1000-year	110.2	196.4	199.76		199.8	0.00031	1.24	233.57	163.08	0.22	0.22
Main-2	14514	Hazel	222.8	196.4	201.27		201.3	0.000174	1.2	515.52	204.96	0.17	0.17
Main-2	14401	25-year	45	196.36	198.56		198.62	0.00042	1.14	69.07	77.1	0.25	0.25
Main-2	14401	50-year	56.1	196.36	198.78		198.84	0.000424	1.22	86.08	82.94	0.25	0.25
Main-2	14401	100-year	67.7	196.36	198.98		199.04	0.000423	1.28	103.35	87.77	0.25	0.25
Main-2	14401	200-year	79.9	196.36	199.17		199.24	0.000422	1.35	121.02	93.7	0.26	0.26
Main-2	14401	350-year	90.1	196.36	199.32		199.39	0.000422	1.39	135.54	99.24	0.26	0.26
Main-2	14401	500-year	96.8	196.36	199.42		199.49	0.000418	1.42	145.43	102.33	0.26	0.26
Main-2	14401	1000-year	110.2	196.36	199.69		199.76	0.000364	1.4	175.32	115.77	0.25	0.25
Main-2	14401	Hazel	222.8	196.36	201.22		201.27	0.000247	1.49	397.66	187.35	0.22	0.22
Main-2	14316	25-year	45	196.36	198.53		198.58	0.000411	1.1	74.72	68.73	0.24	0.24
Main-2	14316	50-year	56.1	196.36	198.74		198.8	0.000422	1.18	89.7	72.9	0.25	0.25
Main-2	14316	100-year	67.7	196.36	198.94		199	0.000433	1.27	104.64	78.05	0.25	0.25
Main-2	14316	200-year	79.9	196.36	199.14		199.2	0.000453	1.36	120.4	86.13	0.26	0.26
Main-2	14316	350-year	90.1	196.36	199.29		199.35	0.000455	1.41	133.64	90.68	0.27	0.27
Main-2	14316	500-year	96.8	196.36	199.38		199.45	0.000454	1.44	142.67	95.55	0.27	0.27
Main-2	14316	1000-year	110.2	196.36	199.66		199.72	0.00041	1.45	172.98	118.87	0.26	0.26
Main-2	14316	Hazel	222.8	196.36	201.2		201.25	0.000246	1.46	386.17	157.97	0.21	0.21
Main-2	14180	25-year	45	196.24	198.49		198.53	0.000306	0.98	75.3	64.29	0.21	0.21
Main-2	14180	50-year	56.1	196.24	198.7		198.74	0.000318	1.06	89.12	67.02	0.22	0.22
Main-2	14180	100-year	67.7	196.24	198.9		198.95	0.000327	1.13	102.74	69.97	0.22	0.22
Main-2	14180	200-year	79.9	196.24	199.09		199.14	0.000333	1.2	116.37	72.18	0.23	0.23
Main-2	14180	350-year	90.1	196.24	199.24		199.3	0.000333	1.24	127.74	82.67	0.23	0.23
Main-2	14180	500-year	96.8	196.24	199.34		199.4	0.000331	1.26	136.99	105.54	0.23	0.23
Main-2	14180	1000-year	110.2	196.24	199.63		199.67	0.000282	1.24	172.69	143.55	0.22	0.22
Main-2	14180	Hazel	222.8	196.24	201.18		201.22	0.000161	1.21	427.45	182.46	0.17	0.17
Main-2	14095	25-year	45	196.21	198.46		198.5	0.000414	1.09	72.75	62.54	0.24	0.24
Main-2	14095	50-year	56.1	196.21	198.67		198.71	0.000428	1.18	86.43	71.27	0.25	0.25
Main-2	14095	100-year	67.7	196.21	198.86		198.92	0.000441	1.26	102.66	93.12	0.25	0.25
Main-2	14095	200-year	79.9	196.21	199.05		199.11	0.000458	1.35	122.07	112.61	0.26	0.26

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-2	14095	350-year	90.1	196.21	199.2		199.26	0.000468	1.42	139.92	123.76	0.27	0.27
Main-2	14095	500-year	96.8	196.21	199.3		199.36	0.000451	1.42	152.62	126.32	0.26	0.26
Main-2	14095	1000-year	110.2	196.21	199.6		199.65	0.00036	1.35	191.01	137.01	0.24	0.24
Main-2	14095	Hazel	222.8	196.21	201.17		201.2	0.000179	1.24	490.05	217.91	0.18	0.18
Main-2	14061	25-year	45	195.49	198.43		198.48	0.000353	1.11	60.75	74.58	0.23	0.23
Main-2	14061	50-year	56.1	195.49	198.64		198.7	0.000355	1.18	77.44	83.28	0.23	0.23
Main-2	14061	100-year	67.7	195.49	198.84		198.9	0.000353	1.23	95.46	95.64	0.23	0.23
Main-2	14061	200-year	79.9	195.49	199.04		199.1	0.000345	1.28	115.78	111.99	0.23	0.23
Main-2	14061	350-year	90.1	195.49	199.19		199.25	0.000333	1.3	133.76	121.46	0.23	0.23
Main-2	14061	500-year	96.8	195.49	199.29		199.35	0.000322	1.3	146.47	127.34	0.23	0.23
Main-2	14061	1000-year	110.2	195.49	199.59		199.64	0.000258	1.23	186.61	144.55	0.21	0.21
Main-2	14061	Hazel	222.8	195.49	201.17		201.2	0.000119	1.07	489.23	223.68	0.15	0.15
Main-2	14058	25-year	45	195.49	198.4	196.99	198.48	0.000478	1.29	41.75	72.57	0.26	0.26
Main-2	14058	50-year	56.1	195.49	198.59	197.17	198.69	0.000546	1.45	47.67	80.85	0.28	0.28
Main-2	14058	100-year	67.7	195.49	198.77	197.34	198.88	0.000604	1.59	53.38	88.57	0.3	0.3
Main-2	14058	200-year	79.9	195.49	198.94	197.51	199.07	0.000657	1.73	59	101.76	0.32	0.32
Main-2	14058	350-year	90.1	195.49	199.07	197.65	199.22	0.000695	1.83	63.46	109.4	0.33	0.33
Main-2	14058	500-year	96.8	195.49	199.16	197.74	199.32	0.000712	1.89	66.51	115.31	0.34	0.34
Main-2	14058	1000-year	110.2	195.49	199.45	197.96	199.6	0.000645	1.9	76.75	133.38	0.32	0.32
Main-2	14058	Hazel	222.8	195.49	201.17	199.01	201.19	0.000098	0.97	460.99	222.6	0.13	0.13
Main-2	14040		Bridge										
Main-2	14025	25-year	47.5	195.43	198.35	197.12	198.45	0.000659	1.45	41.85	69.87	0.3	0.3
Main-2	14025	50-year	59	195.43	198.53	197.3	198.65	0.000751	1.63	47.53	79.71	0.32	0.32
Main-2	14025	100-year	71	195.43	198.69	197.49	198.83	0.000838	1.79	52.81	85.26	0.35	0.35
Main-2	14025	200-year	83.6	195.43	198.84	197.67	199	0.000922	1.94	57.79	90.17	0.37	0.37
Main-2	14025	350-year	94.2	195.43	198.95	197.98	199.14	0.000988	2.07	61.69	92.73	0.38	0.38
Main-2	14025	500-year	101.2	195.43	199.03	198.07	199.22	0.001022	2.14	64.31	94.36	0.39	0.39
Main-2	14025	1000-year	115	195.43	199.3	198.22	199.49	0.000925	2.15	73.79	104.17	0.38	0.38
Main-2	14025	Hazel	218.5	195.43	200.09	199.01	200.43	0.001343	2.99	104.08	143.38	0.47	0.47
Main-2	14020	25-year	47.5	195.43	198.36		198.44	0.000555	1.35	52.24	63.88	0.28	0.28
Main-2	14020	50-year	59	195.43	198.54		198.63	0.000568	1.44	64.35	67.19	0.29	0.29
Main-2	14020	100-year	71	195.43	198.71		198.8	0.000567	1.5	76	69.86	0.29	0.29
Main-2	14020	200-year	83.6	195.43	198.87		198.96	0.000563	1.55	87.41	72.22	0.29	0.29
Main-2	14020	350-year	94.2	195.43	199		199.09	0.000561	1.59	96.57	75.15	0.29	0.29
Main-2	14020	500-year	101.2	195.43	199.08		199.17	0.000554	1.61	102.83	76.73	0.29	0.29
Main-2	14020	1000-year	115	195.43	199.36		199.43	0.000438	1.52	124.92	83.61	0.26	0.26
Main-2	14020	Hazel	218.5	195.43	200.21		200.3	0.000455	1.8	205.95	109.38	0.28	0.28
Main-2	13831	25-year	47.5	196.17	198.31		198.34	0.000372	0.98	90.23	94.79	0.22	0.22
Main-2	13831	50-year	59	196.17	198.49		198.53	0.000376	1.05	107.82	96.13	0.23	0.23
Main-2	13831	100-year	71	196.17	198.66		198.7	0.000383	1.11	124.13	97.11	0.23	0.23
Main-2	13831	200-year	83.6	196.17	198.82		198.87	0.000392	1.18	139.6	97.99	0.24	0.24
Main-2	13831	350-year	94.2	196.17	198.94		198.99	0.000399	1.23	151.66	98.66	0.24	0.24
Main-2	13831	500-year	101.2	196.17	199.02		199.08	0.000401	1.26	159.81	99.54	0.25	0.25
Main-2	13831	1000-year	115	196.17	199.31		199.36	0.000331	1.22	189.15	104.38	0.23	0.23
Main-2	13831	Hazel	218.5	196.17	200.15		200.22	0.000411	1.61	281.59	117.27	0.26	0.26
Main-2	13735	25-year	47.5	196.16	198.27		198.31	0.00029	0.92	63.05	46.62	0.2	0.2
Main-2	13735	50-year	59	196.16	198.44		198.5	0.000338	1.05	72.09	56.38	0.22	0.22
Main-2	13735	100-year	71	196.16	198.6		198.66	0.000378	1.16	82.44	80.3	0.24	0.24
Main-2	13735	200-year	83.6	196.16	198.75		198.82	0.000414	1.27	95.92	94.42	0.25	0.25
Main-2	13735	350-year	94.2	196.16	198.87		198.95	0.000436	1.34	107.15	97.79	0.26	0.26
Main-2	13735	500-year	101.2	196.16	198.94		199.03	0.00045	1.39	114.78	99.32	0.27	0.27
Main-2	13735	1000-year	115	196.16	199.24		199.32	0.000371	1.35	146.93	112.7	0.25	0.25
Main-2	13735	Hazel	218.5	196.16	200.06		200.18	0.000461	1.76	250.23	144.11	0.29	0.29
Main-2	13628	25-year	47.5	196.16	198.24		198.29	0.000425	1.1	85.53	108.5	0.25	0.25
Main-2	13628	50-year	59	196.16	198.42		198.47	0.000436	1.18	107.26	136.79	0.25	0.25
Main-2	13628	100-year	71	196.16	198.58		198.63	0.000429	1.23	131.07	153.57	0.25	0.25
Main-2	13628	200-year	83.6	196.16	198.74		198.79	0.00042	1.27	156.58	175.42	0.25	0.25

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-2	13628	350-year	94.2	196.16	198.86		198.91	0.000411	1.29	178.9	192.73	0.25	0.25
Main-2	13628	500-year	101.2	196.16	198.94		198.99	0.000401	1.3	194.98	207.19	0.25	0.25
Main-2	13628	1000-year	115	196.16	199.25		199.28	0.000284	1.18	262.44	228.29	0.21	0.21
Main-2	13628	Hazel	218.5	196.16	200.09		200.13	0.000267	1.34	470.68	260.42	0.22	0.22
Main-2	13627	25-year	47.5	196.16	198.17		198.26	0.000787	1.47	62.95	85.16	0.33	0.33
Main-2	13627	50-year	59	196.16	198.34		198.44	0.000804	1.57	78.41	92.31	0.34	0.34
Main-2	13627	100-year	71	196.16	198.5		198.6	0.000818	1.66	93.54	98.79	0.35	0.35
Main-2	13627	200-year	83.6	196.16	198.65		198.76	0.000821	1.73	108.8	103.24	0.35	0.35
Main-2	13627	350-year	94.2	196.16	198.77		198.88	0.000822	1.79	121.28	106.99	0.35	0.35
Main-2	13627	500-year	101.2	196.16	198.85		198.96	0.00081	1.81	129.99	108.87	0.35	0.35
Main-2	13627	1000-year	115	196.16	199.18		199.26	0.000585	1.66	167.04	118.11	0.31	0.31
Main-2	13627	Hazel	218.5	196.16	200		200.11	0.000625	2.02	277.91	142.66	0.33	0.33
Main-2	13500	25-year	47.5	196.16	198.13		198.18	0.000428	1.05	69.4	92.75	0.24	0.24
Main-2	13500	50-year	59	196.16	198.31		198.35	0.000417	1.1	86.17	96.23	0.24	0.24
Main-2	13500	100-year	71	196.16	198.47		198.52	0.000411	1.15	102.27	101.83	0.24	0.24
Main-2	13500	200-year	83.6	196.16	198.62		198.67	0.000405	1.19	118.04	104.62	0.25	0.25
Main-2	13500	350-year	94.2	196.16	198.74		198.79	0.000401	1.23	130.89	108.21	0.25	0.25
Main-2	13500	500-year	101.2	196.16	198.82		198.88	0.000393	1.24	139.85	110.02	0.24	0.24
Main-2	13500	1000-year	115	196.16	199.16		199.2	0.000276	1.13	178.2	117.53	0.21	0.21
Main-2	13500	Hazel	218.5	196.16	199.98		200.04	0.000306	1.4	281.62	137.39	0.23	0.23
Main-2	13400	25-year	47.5	196.16	198.08		198.13	0.000439	1.05	60.07	57.68	0.24	0.24
Main-2	13400	50-year	59	196.16	198.25		198.31	0.000474	1.15	70.03	61.98	0.26	0.26
Main-2	13400	100-year	71	196.16	198.4		198.47	0.000511	1.26	80.51	75.64	0.27	0.27
Main-2	13400	200-year	83.6	196.16	198.55		198.62	0.00054	1.35	91.95	82.97	0.28	0.28
Main-2	13400	350-year	94.2	196.16	198.66		198.74	0.000554	1.41	101.63	84.61	0.29	0.29
Main-2	13400	500-year	101.2	196.16	198.74		198.83	0.000556	1.44	108.43	86.21	0.29	0.29
Main-2	13400	1000-year	115	196.16	199.1		199.17	0.000398	1.33	140.29	91.6	0.25	0.25
Main-2	13400	Hazel	218.5	196.16	199.9		200	0.000484	1.73	233	139.71	0.29	0.29
Main-2	13300	25-year	47.5	196.15	198.03		198.08	0.00052	1.13	59.7	67.53	0.27	0.27
Main-2	13300	50-year	59	196.15	198.2		198.26	0.000526	1.21	71.85	76.11	0.27	0.27
Main-2	13300	100-year	71	196.15	198.36		198.41	0.000532	1.27	83.98	81.81	0.28	0.28
Main-2	13300	200-year	83.6	196.15	198.5		198.56	0.000537	1.34	96.53	91.15	0.28	0.28
Main-2	13300	350-year	94.2	196.15	198.62		198.68	0.000533	1.38	107.54	95.55	0.28	0.28
Main-2	13300	500-year	101.2	196.15	198.7		198.76	0.000522	1.39	115.55	99.68	0.28	0.28
Main-2	13300	1000-year	115	196.15	199.08		199.12	0.000334	1.22	157.19	117.29	0.23	0.23
Main-2	13300	Hazel	218.5	196.15	199.89		199.94	0.000344	1.46	261.01	144.32	0.24	0.24
Main-2	13180	25-year	47.5	196.15	197.95		198.01	0.000625	1.17	49.35	57.75	0.29	0.29
Main-2	13180	50-year	59	196.15	198.11		198.18	0.000645	1.27	59.65	67.64	0.29	0.29
Main-2	13180	100-year	71	196.15	198.26		198.34	0.000654	1.34	70.73	76.81	0.3	0.3
Main-2	13180	200-year	83.6	196.15	198.41		198.49	0.00062	1.37	83.08	86.33	0.3	0.3
Main-2	13180	350-year	94.2	196.15	198.54		198.61	0.00059	1.39	94.4	98.13	0.29	0.29
Main-2	13180	500-year	101.2	196.15	198.62		198.7	0.000577	1.41	102.73	105.43	0.29	0.29
Main-2	13180	1000-year	115	196.15	199.04		199.09	0.000286	1.1	149.95	117.82	0.21	0.21
Main-2	13180	Hazel	218.5	196.15	199.86		199.9	0.000238	1.19	273.59	176.15	0.2	0.2
Main-2	13177	25-year	47.5	195.06	197.96	196.17	198	0.000253	0.88	56.84	28.37	0.18	0.18
Main-2	13177	50-year	59	195.06	198.12	196.33	198.17	0.000316	1.02	61.07	32	0.2	0.2
Main-2	13177	100-year	71	195.06	198.26	196.46	198.33	0.000379	1.16	64.99	50.32	0.22	0.22
Main-2	13177	200-year	83.6	195.06	198.4	196.6	198.49	0.000443	1.3	68.83	74.37	0.24	0.24
Main-2	13177	350-year	94.2	195.06	198.51	196.7	198.61	0.000496	1.41	71.87	89.82	0.26	0.26
Main-2	13177	500-year	101.2	195.06	198.58	196.76	198.69	0.00053	1.48	73.78	96.6	0.27	0.27
Main-2	13177	1000-year	115	195.06	198.96	196.89	199.06	0.00045	1.47	85.15	116.66	0.25	0.25
Main-2	13177	Hazel	218.5	195.06	199.85	197.69	199.9	0.000234	1.24	258.68	165.4	0.19	0.19
Main-2	13166		Bridge										
Main-2	13157	25-year	47.5	194.95	197.93	196.35	197.98	0.000283	0.95	51.74	32.51	0.2	0.2
Main-2	13157	50-year	59	194.95	198.09	196.51	198.15	0.000348	1.1	55.9	44.7	0.22	0.22
Main-2	13157	100-year	71	194.95	198.22	196.65	198.3	0.000413	1.24	59.68	55.03	0.25	0.25
Main-2	13157	200-year	83.6	194.95	198.35	196.78	198.44	0.000481	1.38	63.25	80.63	0.27	0.27

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-2	13157	350-year	94.2	194.95	198.44	196.88	198.55	0.000537	1.5	65.95	95.9	0.28	0.28
Main-2	13157	500-year	101.2	194.95	198.5	196.96	198.62	0.000576	1.57	67.6	99.36	0.3	0.3
Main-2	13157	1000-year	115	194.95	198.6	197.09	198.74	0.000652	1.71	70.59	106.9	0.32	0.32
Main-2	13157	Hazel	218.5	194.95	199.35	197.89	199.44	0.00042	1.59	192.3	140.27	0.26	0.26
Main-2	13152	25-year	47.5	194.95	197.93		197.98	0.000257	0.94	53.98	50.95	0.19	0.19
Main-2	13152	50-year	59	194.95	198.09		198.14	0.000307	1.07	66.27	99.47	0.21	0.21
Main-2	13152	100-year	71	194.95	198.23		198.29	0.000331	1.15	80.51	103.62	0.22	0.22
Main-2	13152	200-year	83.6	194.95	198.36		198.42	0.000343	1.21	94.66	108.11	0.23	0.23
Main-2	13152	350-year	94.2	194.95	198.46		198.53	0.000349	1.25	105.9	113.56	0.23	0.23
Main-2	13152	500-year	101.2	194.95	198.52		198.59	0.000353	1.27	112.96	114.81	0.24	0.24
Main-2	13152	1000-year	115	194.95	198.64		198.7	0.000359	1.32	126.17	118.58	0.24	0.24
Main-2	13152	Hazel	218.5	194.95	199.36		199.43	0.000342	1.48	219.71	140.63	0.24	0.24
Main-2	13085	25-year	47.5	196.15	197.88		197.95	0.00064	1.19	59.48	79.5	0.29	0.29
Main-2	13085	50-year	59	196.15	198.04		198.11	0.000684	1.31	71.87	84.08	0.31	0.31
Main-2	13085	100-year	71	196.15	198.17		198.26	0.000735	1.42	83.32	88.32	0.32	0.32
Main-2	13085	200-year	83.6	196.15	198.29		198.39	0.00078	1.52	94.5	91.28	0.33	0.33
Main-2	13085	350-year	94.2	196.15	198.38		198.49	0.000823	1.61	102.98	93.85	0.35	0.35
Main-2	13085	500-year	101.2	196.15	198.44		198.55	0.000849	1.66	108.29	95.29	0.35	0.35
Main-2	13085	1000-year	115	196.15	198.54		198.67	0.000906	1.77	118.05	97.72	0.37	0.37
Main-2	13085	Hazel	218.5	196.15	199.19		199.38	0.00114	2.33	188.1	118.39	0.43	0.43
Main-2	12995	25-year	47.5	196.14	197.86		197.9	0.000393	0.91	61.21	63.64	0.23	0.23
Main-2	12995	50-year	59	196.14	198.01		198.06	0.000436	1.02	71.11	69.17	0.24	0.24
Main-2	12995	100-year	71	196.14	198.14		198.19	0.000482	1.12	80.32	73.16	0.26	0.26
Main-2	12995	200-year	83.6	196.14	198.26		198.33	0.000525	1.22	89.38	75.78	0.27	0.27
Main-2	12995	350-year	94.2	196.14	198.35		198.42	0.000565	1.3	96.18	78.31	0.28	0.28
Main-2	12995	500-year	101.2	196.14	198.4		198.48	0.00059	1.35	100.44	79.32	0.29	0.29
Main-2	12995	1000-year	115	196.14	198.5		198.59	0.000641	1.45	108.2	80.98	0.31	0.31
Main-2	12995	Hazel	218.5	196.14	199.12		199.29	0.000877	1.99	165.09	104.67	0.37	0.37
Main-2	12864	25-year	47.5	196.14	197.84		197.86	0.000188	0.64	85.79	70	0.16	0.16
Main-2	12864	50-year	59	196.14	197.98		198.01	0.000214	0.72	96.23	72.01	0.17	0.17
Main-2	12864	100-year	71	196.14	198.11		198.14	0.000242	0.8	105.5	73.65	0.18	0.18
Main-2	12864	200-year	83.6	196.14	198.23		198.27	0.00027	0.88	114.37	75.14	0.2	0.2
Main-2	12864	350-year	94.2	196.14	198.32		198.36	0.000295	0.95	120.91	76.11	0.21	0.21
Main-2	12864	500-year	101.2	196.14	198.37		198.42	0.000312	0.99	124.93	77.37	0.21	0.21
Main-2	12864	1000-year	115	196.14	198.46		198.52	0.000347	1.08	132.56	90.01	0.23	0.23
Main-2	12864	Hazel	218.5	196.14	199.08		199.18	0.000496	1.51	223.3	194.84	0.28	0.28
Main-2	12719	25-year	47.5	196.14	197.74		197.81	0.000769	1.18	51.31	86.48	0.31	0.31
Main-2	12719	50-year	59	196.14	197.88		197.95	0.000794	1.27	63.8	92.9	0.32	0.32
Main-2	12719	100-year	71	196.14	198		198.08	0.000824	1.35	76.57	121.2	0.33	0.33
Main-2	12719	200-year	83.6	196.14	198.12		198.2	0.000848	1.43	91.68	138.14	0.33	0.33
Main-2	12719	350-year	94.2	196.14	198.2		198.29	0.000859	1.48	103.72	142.77	0.34	0.34
Main-2	12719	500-year	101.2	196.14	198.25		198.35	0.000869	1.52	111.25	149.01	0.34	0.34
Main-2	12719	1000-year	115	196.14	198.34		198.44	0.000919	1.61	124.95	160.7	0.35	0.35
Main-2	12719	Hazel	218.5	196.14	199.01		199.11	0.000804	1.81	272.71	276.51	0.35	0.35
Main-2	12560	25-year	47.5	196.14	197.6		197.67	0.00095	1.26	45.99	71.01	0.34	0.34
Main-2	12560	50-year	59	196.14	197.73		197.82	0.000982	1.36	56.8	82.48	0.35	0.35
Main-2	12560	100-year	71	196.14	197.86		197.95	0.000992	1.44	66.99	84.8	0.36	0.36
Main-2	12560	200-year	83.6	196.14	197.97		198.07	0.001	1.51	76.93	88.05	0.36	0.36
Main-2	12560	350-year	94.2	196.14	198.05		198.16	0.001034	1.59	84.11	90.54	0.37	0.37
Main-2	12560	500-year	101.2	196.14	198.1		198.21	0.001054	1.63	88.53	91.07	0.38	0.38
Main-2	12560	1000-year	115	196.14	198.18		198.3	0.00113	1.73	95.68	93.52	0.39	0.39
Main-2	12560	Hazel	218.5	196.14	198.84		198.98	0.001062	2.04	194.65	227.39	0.4	0.4
Main-2	12375	25-year	47.5	196.09	197.18	196.93	197.37	0.003456	1.97	28.62	64.91	0.62	0.62
Main-2	12375	50-year	59	196.09	197.25	197.1	197.49	0.004015	2.23	34.04	77.05	0.68	0.68
Main-2	12375	100-year	71	196.09	197.32	197.25	197.6	0.004519	2.46	39.56	84.85	0.72	0.72
Main-2	12375	200-year	83.6	196.09	197.38	197.37	197.71	0.004953	2.67	45.46	94.33	0.77	0.77
Main-2	12375	350-year	94.2	196.09	197.45	197.43	197.79	0.005055	2.79	51.43	97.24	0.78	0.78
Main-2	12375	500-year	101.2	196.09	197.5	197.49	197.84	0.004926	2.82	56.33	100.35	0.77	0.77

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-2	12375	1000-year	115	196.09	197.6	197.56	197.93	0.004474	2.83	67	102.42	0.75	0.75
Main-2	12375	Hazel	218.5	196.09	198.61		198.78	0.001461	2.3	185.98	146.95	0.47	0.47
Main-2	12235	25-year	47.5	195.64	197.06	196.59	197.11	0.00081	1.17	83.92	206.31	0.32	0.32
Main-2	12235	50-year	59	195.64	197.15	196.8	197.2	0.000826	1.23	103.22	217.51	0.32	0.32
Main-2	12235	100-year	71	195.64	197.23	196.85	197.28	0.000885	1.31	119.68	227.03	0.34	0.34
Main-2	12235	200-year	83.6	195.64	197.33	196.99	197.38	0.000819	1.32	142.78	230.97	0.33	0.33
Main-2	12235	350-year	94.2	195.64	197.42	197.03	197.46	0.000742	1.3	164.2	235.12	0.31	0.31
Main-2	12235	500-year	101.2	195.64	197.48	197.01	197.52	0.000693	1.29	179.1	239.67	0.31	0.31
Main-2	12235	1000-year	115	195.64	197.61	197.1	197.65	0.0006	1.25	209.49	245.06	0.29	0.29
Main-2	12235	Hazel	218.5	195.64	198.65	197.37	198.66	0.000217	1	477.8	268.89	0.19	0.19
Main-2	12122	25-year	47.5	195.49	196.7	196.7	196.91	0.004126	2.22	35.19	112	0.68	0.68
Main-2	12122	50-year	59	195.49	196.82	196.78	197	0.003563	2.22	52.29	173.02	0.64	0.64
Main-2	12122	100-year	71	195.49	197		197.11	0.002102	1.87	86.74	193.95	0.5	0.5
Main-2	12122	200-year	83.6	195.49	197.16		197.24	0.001436	1.66	118.51	197.14	0.42	0.42
Main-2	12122	350-year	94.2	195.49	197.29		197.35	0.001144	1.56	142.73	198.61	0.38	0.38
Main-2	12122	500-year	101.2	195.49	197.36		197.42	0.001016	1.51	157.96	200.36	0.36	0.36
Main-2	12122	1000-year	115	195.49	197.51		197.56	0.000832	1.44	187.19	202.88	0.33	0.33
Main-2	12122	Hazel	218.5	195.49	198.61		198.63	0.000293	1.16	416.24	213.13	0.21	0.21
Main-2	11761	25-year	47.5	195.2	196.78		196.78	0.000017	0.18	307.75	380.05	0.05	0.05
Main-2	11761	50-year	59	195.2	196.93		196.93	0.000017	0.19	362.9	393.98	0.05	0.05
Main-2	11761	100-year	71	195.2	197.06		197.06	0.000017	0.2	418.17	405.81	0.05	0.05
Main-2	11761	200-year	83.6	195.2	197.2		197.2	0.000016	0.21	474.62	410.83	0.05	0.05
Main-2	11761	350-year	94.2	195.2	197.32		197.32	0.000016	0.21	521.72	415.41	0.05	0.05
Main-2	11761	500-year	101.2	195.2	197.39		197.39	0.000016	0.22	552.05	417.91	0.05	0.05
Main-2	11761	1000-year	115	195.2	197.53		197.53	0.000015	0.22	611	423.07	0.05	0.05
Main-2	11761	Hazel	218.5	195.2	198.62		198.62	0.000009	0.23	1114.41	501.35	0.04	0.04
Main-2	11758	25-year	47.5	194.7	196.74	195.51	196.77	0.000246	0.79	63.14	285.58	0.18	0.18
Main-2	11758	50-year	59	194.7	196.87	195.61	196.91	0.000298	0.91	68.74	300.5	0.21	0.21
Main-2	11758	100-year	71	194.7	197	195.71	197.05	0.000346	1.02	74.1	308.46	0.22	0.22
Main-2	11758	200-year	83.6	194.7	197.12	195.8	197.18	0.00039	1.12	79.47	340.73	0.24	0.24
Main-2	11758	350-year	94.2	194.7	197.23	195.88	197.3	0.000421	1.2	83.9	351.77	0.25	0.25
Main-2	11758	500-year	101.2	194.7	197.29	195.92	197.37	0.00044	1.25	86.72	363.62	0.26	0.26
Main-2	11758	1000-year	115	194.7	197.42	196.02	197.5	0.000473	1.34	92.14	384.3	0.27	0.27
Main-2	11758	Hazel	218.5	194.7	198.61	196.63	198.62	0.000014	0.3	839.17	486.45	0.05	0.05
Main-2	11731		Bridge										
Main-2	11718	25-year	47.5	194.66	196.65	195.68	196.74	0.00069	1.3	39.32	110.52	0.3	0.3
Main-2	11718	50-year	59	194.66	196.75	195.82	196.86	0.000881	1.52	42.08	116.85	0.35	0.35
Main-2	11718	100-year	71	194.66	196.84	195.97	196.99	0.001081	1.74	44.63	122.92	0.39	0.39
Main-2	11718	200-year	83.6	194.66	196.93	196.1	197.11	0.001292	1.95	47.02	132.76	0.43	0.43
Main-2	11718	350-year	94.2	194.66	196.99	196.21	197.2	0.001469	2.12	48.87	142.73	0.46	0.46
Main-2	11718	500-year	101.2	194.66	197.03	196.28	197.27	0.001585	2.23	50.02	145.41	0.48	0.48
Main-2	11718	1000-year	115	194.66	197.11	196.41	197.39	0.001815	2.44	52.15	149.41	0.51	0.51
Main-2	11718	Hazel	218.5	194.66	197.53	197.16	198.2	0.003515	3.8	64.72	188.29	0.73	0.73
Main-2	11713	25-year	47.5	195.13	196.67		196.71	0.000761	1.17	85.36	216.95	0.31	0.31
Main-2	11713	50-year	59	195.13	196.79		196.82	0.00066	1.15	111.26	228.15	0.29	0.29
Main-2	11713	100-year	71	195.13	196.89		196.93	0.000588	1.13	136.78	240.13	0.28	0.28
Main-2	11713	200-year	83.6	195.13	197		197.03	0.000534	1.12	162.24	249.22	0.27	0.27
Main-2	11713	350-year	94.2	195.13	197.08		197.11	0.0005	1.12	182.63	251.52	0.26	0.26
Main-2	11713	500-year	101.2	195.13	197.13		197.16	0.000481	1.12	195.68	253.34	0.26	0.26
Main-2	11713	1000-year	115	195.13	197.23		197.25	0.00045	1.12	220.3	254.61	0.25	0.25
Main-2	11713	Hazel	218.5	195.13	197.85		197.87	0.000326	1.13	397.88	327.81	0.22	0.22
Main-2	11619	25-year	47.5	194.96	196.46		196.56	0.001863	1.73	57.24	153.09	0.47	0.47
Main-2	11619	50-year	59	194.96	196.56		196.68	0.002001	1.88	66.38	154.44	0.5	0.5
Main-2	11619	100-year	71	194.96	196.66		196.79	0.002124	2.03	74.96	155.54	0.52	0.52
Main-2	11619	200-year	83.6	194.96	196.75		196.89	0.002235	2.16	83.2	156.41	0.53	0.53
Main-2	11619	350-year	94.2	194.96	196.82		196.98	0.002319	2.26	89.67	157.13	0.55	0.55
Main-2	11619	500-year	101.2	194.96	196.87		197.03	0.002367	2.33	93.79	157.64	0.56	0.56

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-2	11619	1000-year	115	194.96	196.96		197.13	0.00246	2.45	101.47	158.59	0.57	0.57
Main-2	11619	Hazel	218.5	194.96	197.51		197.76	0.002774	3.09	152.33	163.28	0.63	0.63
Main-2	11513	25-year	47.5	194.67	196.32		196.4	0.001256	1.59	74.65	195.52	0.4	0.4
Main-2	11513	50-year	59	194.67	196.42		196.51	0.001313	1.69	89.76	196.85	0.41	0.41
Main-2	11513	100-year	71	194.67	196.52		196.61	0.001352	1.78	104.21	198.43	0.42	0.42
Main-2	11513	200-year	83.6	194.67	196.61		196.71	0.001381	1.86	118.31	199.9	0.43	0.43
Main-2	11513	350-year	94.2	194.67	196.69		196.79	0.00139	1.92	129.64	200.64	0.44	0.44
Main-2	11513	500-year	101.2	194.67	196.73		196.83	0.001393	1.95	136.91	201.09	0.44	0.44
Main-2	11513	1000-year	115	194.67	196.82		196.93	0.001404	2.02	150.4	202.02	0.44	0.44
Main-2	11513	Hazel	218.5	194.67	197.42		197.54	0.001328	2.32	241.76	207.15	0.45	0.45
Main-2	11448	25-year	47.5	194.52	196.21		196.31	0.001451	1.77	74.06	230.93	0.44	0.44
Main-2	11448	50-year	59	194.52	196.31		196.41	0.001519	1.89	88.66	233.9	0.45	0.45
Main-2	11448	100-year	71	194.52	196.4		196.51	0.001533	1.96	103.43	235.28	0.46	0.46
Main-2	11448	200-year	83.6	194.52	196.5		196.61	0.001544	2.04	117.74	237.29	0.47	0.47
Main-2	11448	350-year	94.2	194.52	196.57		196.68	0.001542	2.09	129.36	238.9	0.47	0.47
Main-2	11448	500-year	101.2	194.52	196.62		196.73	0.001534	2.12	136.9	239.98	0.47	0.47
Main-2	11448	1000-year	115	194.52	196.71		196.82	0.001529	2.17	150.83	241.05	0.47	0.47
Main-2	11448	Hazel	218.5	194.52	197.33		197.44	0.001365	2.43	246.73	248.63	0.46	0.46
Main-2	11375	25-year	47.5	194.4	196.13		196.23	0.001191	1.62	71.1	197.31	0.4	0.4
Main-2	11375	50-year	59	194.4	196.21		196.32	0.001322	1.77	84.51	198.82	0.42	0.42
Main-2	11375	100-year	71	194.4	196.3		196.42	0.001392	1.87	98.37	200.38	0.44	0.44
Main-2	11375	200-year	83.6	194.4	196.4		196.52	0.00141	1.95	113.05	201.53	0.44	0.44
Main-2	11375	350-year	94.2	194.4	196.48		196.6	0.001407	2	125.12	202.9	0.45	0.45
Main-2	11375	500-year	101.2	194.4	196.53		196.65	0.001404	2.03	132.9	204.21	0.45	0.45
Main-2	11375	1000-year	115	194.4	196.62		196.74	0.001391	2.08	147.79	206.25	0.45	0.45
Main-2	11375	Hazel	218.5	194.4	197.26		197.38	0.001232	2.32	248.36	216.42	0.44	0.44
Main-2	11069	25-year	47.5	194.38	196		196.04	0.00082	1.31	139.39	334.94	0.33	0.33
Main-2	11069	50-year	59	194.38	196.12		196.15	0.000686	1.25	178.56	340.31	0.3	0.3
Main-2	11069	100-year	71	194.38	196.23		196.25	0.000599	1.22	217.01	350.8	0.29	0.29
Main-2	11069	200-year	83.6	194.38	196.34		196.36	0.000529	1.19	256.67	359.15	0.27	0.27
Main-2	11069	350-year	94.2	194.38	196.43		196.45	0.000483	1.17	288.53	361.58	0.26	0.26
Main-2	11069	500-year	101.2	194.38	196.48		196.5	0.000458	1.16	308.7	362.77	0.26	0.26
Main-2	11069	1000-year	115	194.38	196.59		196.61	0.00042	1.15	346.93	365.18	0.25	0.25
Main-2	11069	Hazel	218.5	194.38	197.25		197.27	0.000297	1.15	596.35	382.11	0.22	0.22
Main-2	11068	25-year	47.5	194.35	195.99		196	0.000136	0.53	191.45	420.7	0.13	0.13
Main-2	11068	50-year	59	194.35	196.1		196.11	0.000147	0.58	224.29	421.53	0.14	0.14
Main-2	11068	100-year	71	194.35	196.21		196.22	0.000155	0.62	256.6	422.25	0.15	0.15
Main-2	11068	200-year	83.6	194.35	196.32		196.33	0.000159	0.65	289.54	422.89	0.15	0.15
Main-2	11068	350-year	94.2	194.35	196.41		196.42	0.000161	0.67	315.75	423.56	0.15	0.15
Main-2	11068	500-year	101.2	194.35	196.46		196.48	0.000162	0.69	332.3	424.07	0.15	0.15
Main-2	11068	1000-year	115	194.35	196.57		196.58	0.000164	0.71	363.76	424.8	0.15	0.15
Main-2	11068	Hazel	218.5	194.35	197.23		197.25	0.00017	0.87	564.56	429.6	0.16	0.16
Main-2	10745	25-year	47.5	194.29	195.97		195.99	0.00024	0.72	222.88	382.87	0.18	0.18
Main-2	10745	50-year	59	194.29	196.09		196.1	0.000234	0.74	265.54	383.7	0.18	0.18
Main-2	10745	100-year	71	194.29	196.2		196.21	0.000224	0.76	307.49	384.3	0.18	0.18
Main-2	10745	200-year	83.6	194.29	196.31		196.32	0.000212	0.77	350.23	384.82	0.17	0.17
Main-2	10745	350-year	94.2	194.29	196.39		196.4	0.000205	0.77	384.18	385.23	0.17	0.17
Main-2	10745	500-year	101.2	194.29	196.45		196.46	0.000201	0.78	405.57	385.47	0.17	0.17
Main-2	10745	1000-year	115	194.29	196.56		196.56	0.000195	0.79	446.16	385.92	0.17	0.17
Main-2	10745	Hazel	218.5	194.29	197.22		197.23	0.000171	0.88	704.66	390.98	0.17	0.17
Main-2	10567	25-year	47.5	194.25	195.96		195.97	0.000187	0.64	206.86	282.5	0.16	0.16
Main-2	10567	50-year	59	194.25	196.07		196.08	0.000198	0.69	238.54	285.83	0.16	0.16
Main-2	10567	100-year	71	194.25	196.18		196.19	0.000204	0.73	269.82	287.58	0.17	0.17
Main-2	10567	200-year	83.6	194.25	196.29		196.3	0.000207	0.76	301.93	289.34	0.17	0.17
Main-2	10567	350-year	94.2	194.25	196.38		196.39	0.000208	0.79	327.51	290.6	0.17	0.17
Main-2	10567	500-year	101.2	194.25	196.43		196.45	0.000209	0.8	343.66	292.19	0.17	0.17
Main-2	10567	1000-year	115	194.25	196.54		196.55	0.000213	0.83	374.58	296.46	0.18	0.18
Main-2	10567	Hazel	218.5	194.25	197.2		197.22	0.000215	1	574.52	304.87	0.19	0.19

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-2	10459	25-year	47.5	194.2	195.91		195.93	0.00044	0.97	134.64	237.43	0.24	0.24
Main-2	10459	50-year	59	194.2	196.02		196.04	0.000436	1.01	161.87	251.03	0.24	0.24
Main-2	10459	100-year	71	194.2	196.13		196.15	0.000423	1.04	190.39	269.97	0.24	0.24
Main-2	10459	200-year	83.6	194.2	196.24		196.27	0.000402	1.05	222.4	294.81	0.24	0.24
Main-2	10459	350-year	94.2	194.2	196.33		196.35	0.000388	1.06	250.07	320.91	0.23	0.23
Main-2	10459	500-year	101.2	194.2	196.39		196.41	0.000388	1.08	268.15	328.64	0.24	0.24
Main-2	10459	1000-year	115	194.2	196.5		196.52	0.000365	1.08	303.85	337.49	0.23	0.23
Main-2	10459	Hazel	218.5	194.2	197.17		197.19	0.000269	1.11	557.05	390.01	0.21	0.21
Main-2	10314	25-year	47.5	194.19	195.87		195.89	0.000447	0.95	136.25	194.27	0.24	0.24
Main-2	10314	50-year	59	194.19	195.98		196	0.000466	1.01	157.71	194.99	0.25	0.25
Main-2	10314	100-year	71	194.19	196.09		196.11	0.000475	1.07	179.16	195.84	0.25	0.25
Main-2	10314	200-year	83.6	194.19	196.2		196.23	0.000473	1.11	201.44	196.71	0.25	0.25
Main-2	10314	350-year	94.2	194.19	196.29		196.32	0.000472	1.14	219.1	197.3	0.25	0.25
Main-2	10314	500-year	101.2	194.19	196.35		196.37	0.000473	1.16	230.05	197.88	0.25	0.25
Main-2	10314	1000-year	115	194.19	196.45		196.48	0.000472	1.2	251.19	198.56	0.26	0.26
Main-2	10314	Hazel	218.5	194.19	197.12		197.16	0.000467	1.42	386.26	204.78	0.27	0.27
Main-2	10187	25-year	47.5	194.19	195.82		195.85	0.000458	0.95	120.94	196.2	0.24	0.24
Main-2	10187	50-year	59	194.19	195.93		195.97	0.000481	1.02	142.6	199.56	0.25	0.25
Main-2	10187	100-year	71	194.19	196.04		196.08	0.000492	1.08	164.83	203.52	0.26	0.26
Main-2	10187	200-year	83.6	194.19	196.16		196.19	0.000487	1.12	188.5	207.77	0.26	0.26
Main-2	10187	350-year	94.2	194.19	196.25		196.28	0.000483	1.15	207.53	211.15	0.26	0.26
Main-2	10187	500-year	101.2	194.19	196.3		196.34	0.000483	1.17	219.4	213.2	0.26	0.26
Main-2	10187	1000-year	115	194.19	196.41		196.45	0.000476	1.2	242.58	215.67	0.26	0.26
Main-2	10187	Hazel	218.5	194.19	197.09		197.13	0.000443	1.39	392.73	226.21	0.26	0.26
Main-2	10053	25-year	47.5	194.17	195.73		195.78	0.000994	1.38	101.91	187.98	0.36	0.36
Main-2	10053	50-year	59	194.17	195.85		195.9	0.000941	1.41	124.12	190.87	0.35	0.35
Main-2	10053	100-year	71	194.17	195.96		196.01	0.000886	1.43	146.73	195.13	0.34	0.34
Main-2	10053	200-year	83.6	194.17	196.09		196.13	0.000808	1.43	171.06	197.1	0.33	0.33
Main-2	10053	350-year	94.2	194.17	196.18		196.23	0.000764	1.44	190.01	198.59	0.33	0.33
Main-2	10053	500-year	101.2	194.17	196.24		196.28	0.000744	1.45	201.61	199.3	0.32	0.32
Main-2	10053	1000-year	115	194.17	196.35		196.39	0.00071	1.46	223.99	201.08	0.32	0.32
Main-2	10053	Hazel	218.5	194.17	197.04		197.09	0.0006	1.62	373.11	248.14	0.31	0.31
Main-2	9932	25-year	47.5	194.08	195.57		195.63	0.001032	1.39	94.99	162.17	0.36	0.36
Main-2	9932	50-year	59	194.08	195.7		195.75	0.000954	1.42	116.36	171.91	0.36	0.36
Main-2	9932	100-year	71	194.08	195.83		195.88	0.000874	1.43	140.3	193.35	0.34	0.34
Main-2	9932	200-year	83.6	194.08	195.97		196.01	0.000778	1.42	168.03	212.03	0.33	0.33
Main-2	9932	350-year	94.2	194.08	196.07		196.12	0.000726	1.42	193.74	291.65	0.32	0.32
Main-2	9932	500-year	101.2	194.08	196.14		196.18	0.000706	1.43	213.4	356.28	0.32	0.32
Main-2	9932	1000-year	115	194.08	196.26		196.3	0.000629	1.4	260.91	410.28	0.3	0.3
Main-2	9932	Hazel	218.5	194.08	197		197.02	0.000317	1.21	642.32	592.72	0.23	0.23
Main-2	9816	25-year	47.5	194	195.58		195.58	0.000102	0.45	308.64	445.71	0.12	0.12
Main-2	9816	50-year	59	194	195.71		195.71	0.0001	0.47	367.79	466.72	0.12	0.12
Main-2	9816	100-year	71	194	195.84		195.84	0.000095	0.48	429.12	475.5	0.11	0.11
Main-2	9816	200-year	83.6	194	195.98		195.98	0.000088	0.49	495.76	495.2	0.11	0.11
Main-2	9816	350-year	94.2	194	196.08		196.09	0.000087	0.5	549.28	527.07	0.11	0.11
Main-2	9816	500-year	101.2	194	196.14		196.15	0.000086	0.51	582.34	544.96	0.11	0.11
Main-2	9816	1000-year	115	194	196.27		196.27	0.000082	0.52	651.48	592.67	0.11	0.11
Main-2	9816	Hazel	218.5	194	197		197	0.00007	0.58	1158.27	762.46	0.11	0.11
Main-2	9547	25-year	47.5	193.86	195.52		195.54	0.000374	0.9	189.97	395.2	0.22	0.22
Main-2	9547	50-year	59	193.86	195.66		195.68	0.000303	0.85	247.56	413.54	0.2	0.2
Main-2	9547	100-year	71	193.86	195.8		195.82	0.000252	0.82	305.82	425.72	0.19	0.19
Main-2	9547	200-year	83.6	193.86	195.95		195.96	0.00021	0.78	368.79	458.71	0.17	0.17
Main-2	9547	350-year	94.2	193.86	196.05		196.06	0.000199	0.79	418.22	483.33	0.17	0.17
Main-2	9547	500-year	101.2	193.86	196.12		196.13	0.000194	0.79	449.16	502.8	0.17	0.17
Main-2	9547	1000-year	115	193.86	196.24		196.25	0.000177	0.79	515.39	555.28	0.16	0.16
Main-2	9547	Hazel	218.5	193.86	196.98		196.99	0.000122	0.78	995.81	713.26	0.14	0.14
Main-2	9313	25-year	47.5	193.52	195.46		195.49	0.000321	0.92	144.91	276.32	0.21	0.21

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-2	9313	50-year	59	193.52	195.62		195.64	0.000291	0.92	188.28	288.42	0.2	0.2
Main-2	9313	100-year	71	193.52	195.76		195.79	0.000265	0.92	231.4	302.91	0.2	0.2
Main-2	9313	200-year	83.6	193.52	195.91		195.93	0.000257	0.95	280.24	347.86	0.2	0.2
Main-2	9313	350-year	94.2	193.52	196.02		196.04	0.000249	0.96	319.29	384.2	0.19	0.19
Main-2	9313	500-year	101.2	193.52	196.08		196.11	0.000239	0.96	344.89	405.31	0.19	0.19
Main-2	9313	1000-year	115	193.52	196.21		196.23	0.000226	0.96	401.37	474.95	0.19	0.19
Main-2	9313	Hazel	218.5	193.52	196.97		196.98	0.000162	0.96	802.59	588.09	0.17	0.17
Main-2	8957	25-year	47.5	193.45	195.39		195.41	0.000231	0.78	125.72	152.91	0.18	0.18
Main-2	8957	50-year	59	193.45	195.54		195.56	0.000239	0.84	150.04	162.51	0.19	0.19
Main-2	8957	100-year	71	193.45	195.69		195.71	0.000245	0.89	175.09	176.14	0.19	0.19
Main-2	8957	200-year	83.6	193.45	195.84		195.86	0.000251	0.94	202.47	199.15	0.19	0.19
Main-2	8957	350-year	94.2	193.45	195.94		195.97	0.00025	0.96	224.55	206.02	0.2	0.2
Main-2	8957	500-year	101.2	193.45	196.01		196.04	0.000253	0.99	238.1	213.47	0.2	0.2
Main-2	8957	1000-year	115	193.45	196.14		196.16	0.000257	1.03	266.44	231.9	0.2	0.2
Main-2	8957	Hazel	218.5	193.45	196.89		196.93	0.000257	1.21	475.31	329.72	0.21	0.21
Main-2	8735	25-year	47.5	193.36	195.31		195.35	0.000376	0.98	87.52	101.34	0.23	0.23
Main-2	8735	50-year	59	193.36	195.45		195.5	0.000409	1.07	102.75	104.09	0.24	0.24
Main-2	8735	100-year	71	193.36	195.59		195.65	0.000435	1.16	117.57	107.01	0.25	0.25
Main-2	8735	200-year	83.6	193.36	195.73		195.79	0.000461	1.24	133.01	115.97	0.26	0.26
Main-2	8735	350-year	94.2	193.36	195.84		195.9	0.000485	1.31	145.25	121.37	0.27	0.27
Main-2	8735	500-year	101.2	193.36	195.9		195.96	0.000504	1.36	152.6	124.79	0.28	0.28
Main-2	8735	1000-year	115	193.36	196.02		196.09	0.000529	1.44	168.46	142.47	0.28	0.28
Main-2	8735	Hazel	218.5	193.36	196.75		196.85	0.000599	1.8	297.44	196.85	0.32	0.32
Main-2	8611	25-year	47.5	193.34	195.23		195.29	0.000604	1.2	68.58	85	0.28	0.28
Main-2	8611	50-year	59	193.34	195.37		195.44	0.000669	1.33	80.73	90.67	0.3	0.3
Main-2	8611	100-year	71	193.34	195.5		195.58	0.000722	1.44	93.21	96.21	0.32	0.32
Main-2	8611	200-year	83.6	193.34	195.63		195.72	0.000753	1.54	106.62	101.85	0.33	0.33
Main-2	8611	350-year	94.2	193.34	195.73		195.83	0.000784	1.61	116.85	105.61	0.34	0.34
Main-2	8611	500-year	101.2	193.34	195.79		195.89	0.00081	1.67	122.89	107.63	0.34	0.34
Main-2	8611	1000-year	115	193.34	195.9		196.01	0.000844	1.76	135.59	112.55	0.35	0.35
Main-2	8611	Hazel	218.5	193.34	196.61		196.76	0.000957	2.21	227.16	142.55	0.39	0.39
Main-2	8517	25-year	47.5	193.32	195.19		195.23	0.000506	1.09	72.57	85.31	0.26	0.26
Main-2	8517	50-year	59	193.32	195.32		195.37	0.000541	1.18	84.5	88.84	0.27	0.27
Main-2	8517	100-year	71	193.32	195.46		195.51	0.000564	1.26	96.49	92.02	0.28	0.28
Main-2	8517	200-year	83.6	193.32	195.59		195.65	0.000568	1.32	109.28	95.15	0.28	0.28
Main-2	8517	350-year	94.2	193.32	195.69		195.75	0.000583	1.37	118.8	99.09	0.29	0.29
Main-2	8517	500-year	101.2	193.32	195.75		195.81	0.0006	1.42	124.46	103.35	0.29	0.29
Main-2	8517	1000-year	115	193.32	195.86		195.93	0.000613	1.48	136.76	107.94	0.3	0.3
Main-2	8517	Hazel	218.5	193.32	196.58		196.67	0.000661	1.82	221.54	130.49	0.32	0.32
Main-2	8366	25-year	47.5	193.3	195.15		195.17	0.000307	0.85	144.28	241.72	0.2	0.2
Main-2	8366	50-year	59	193.3	195.3		195.31	0.000285	0.86	179.46	249.55	0.2	0.2
Main-2	8366	100-year	71	193.3	195.43		195.45	0.000266	0.87	214.63	259.54	0.19	0.19
Main-2	8366	200-year	83.6	193.3	195.58		195.59	0.000244	0.87	252.37	266.73	0.19	0.19
Main-2	8366	350-year	94.2	193.3	195.68		195.69	0.000235	0.89	279.75	270.5	0.19	0.19
Main-2	8366	500-year	101.2	193.3	195.74		195.75	0.000234	0.9	295.38	272.11	0.19	0.19
Main-2	8366	1000-year	115	193.3	195.86		195.87	0.000227	0.91	328.1	276.1	0.18	0.18
Main-2	8366	Hazel	218.5	193.3	196.59		196.6	0.000204	1.03	538.28	298.07	0.18	0.18
Main-2	8131	25-year	47.5	193.17	195.1		195.12	0.000321	0.88	151.93	293.88	0.21	0.21
Main-2	8131	50-year	59	193.17	195.25		195.27	0.000276	0.86	198.19	303.36	0.2	0.2
Main-2	8131	100-year	71	193.17	195.4		195.42	0.000245	0.85	243.15	313.55	0.19	0.19
Main-2	8131	200-year	83.6	193.17	195.55		195.56	0.000217	0.84	290.54	321.14	0.18	0.18
Main-2	8131	350-year	94.2	193.17	195.65		195.67	0.000206	0.84	324.3	323.69	0.17	0.17
Main-2	8131	500-year	101.2	193.17	195.71		195.73	0.000204	0.85	343.27	326.39	0.17	0.17
Main-2	8131	1000-year	115	193.17	195.83		195.85	0.000195	0.86	383.1	329.59	0.17	0.17
Main-2	8131	Hazel	218.5	193.17	196.57		196.59	0.000168	0.94	637.33	356.37	0.17	0.17
Main-2	8067	25-year	47.5	193.17	195.09		195.11	0.000211	0.73	211.15	347.03	0.17	0.17
Main-2	8067	50-year	59	193.17	195.25		195.26	0.000181	0.71	265.74	353.73	0.16	0.16
Main-2	8067	100-year	71	193.17	195.4		195.4	0.000162	0.7	317.87	358.47	0.15	0.15

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-2	8067	200-year	83.6	193.17	195.55		195.55	0.000145	0.7	371.73	364.02	0.15	0.15
Main-2	8067	350-year	94.2	193.17	195.65		195.66	0.000139	0.7	410.08	367.51	0.14	0.14
Main-2	8067	500-year	101.2	193.17	195.71		195.72	0.000139	0.71	431.61	369.46	0.14	0.14
Main-2	8067	1000-year	115	193.17	195.83		195.84	0.000134	0.72	476.73	372.74	0.14	0.14
Main-2	8067	Hazel	218.5	193.17	196.57		196.58	0.000121	0.81	758.15	389.26	0.14	0.14
Main-2	8013	25-year	47.5	193.17	195.09		195.1	0.000124	0.56	283.68	371.79	0.13	0.13
Main-2	8013	50-year	59	193.17	195.25		195.25	0.000113	0.56	342.05	377.16	0.13	0.13
Main-2	8013	100-year	71	193.17	195.39		195.4	0.000105	0.57	397.52	380.88	0.12	0.12
Main-2	8013	200-year	83.6	193.17	195.54		195.55	0.000098	0.57	454.62	383.86	0.12	0.12
Main-2	8013	350-year	94.2	193.17	195.65		195.65	0.000097	0.58	495.02	386.69	0.12	0.12
Main-2	8013	500-year	101.2	193.17	195.71		195.71	0.000097	0.6	517.63	387.85	0.12	0.12
Main-2	8013	1000-year	115	193.17	195.83		195.83	0.000097	0.61	565.01	391.44	0.12	0.12
Main-2	8013	Hazel	218.5	193.17	196.57		196.57	0.000097	0.72	860.54	408.22	0.13	0.13
Main-2	7852	25-year	47.5	193.03	195.07		195.08	0.000133	0.6	268.91	354.83	0.14	0.14
Main-2	7852	50-year	59	193.03	195.23		195.24	0.00012	0.6	325.03	357.19	0.13	0.13
Main-2	7852	100-year	71	193.03	195.38		195.39	0.000112	0.61	377.91	358.71	0.13	0.13
Main-2	7852	200-year	83.6	193.03	195.53		195.54	0.000104	0.61	431.9	359.46	0.12	0.12
Main-2	7852	350-year	94.2	193.03	195.64		195.64	0.000103	0.62	469.72	361.61	0.12	0.12
Main-2	7852	500-year	101.2	193.03	195.69		195.7	0.000105	0.64	490.87	364.07	0.13	0.13
Main-2	7852	1000-year	115	193.03	195.82		195.82	0.000104	0.65	535.25	365.13	0.13	0.13
Main-2	7852	Hazel	218.5	193.03	196.55		196.56	0.000104	0.77	808.34	373.75	0.13	0.13
Main-2	7680	25-year	47.5	192.95	195.07		195.07	0.000049	0.37	239.76	237.47	0.08	0.08
Main-2	7680	50-year	59	192.95	195.22		195.23	0.000052	0.4	277.25	239.44	0.09	0.09
Main-2	7680	100-year	71	192.95	195.37		195.38	0.000055	0.43	312.51	240.75	0.09	0.09
Main-2	7680	200-year	83.6	192.95	195.52		195.53	0.000057	0.46	348.66	241.81	0.09	0.09
Main-2	7680	350-year	94.2	192.95	195.63		195.63	0.00006	0.48	373.99	243.37	0.1	0.1
Main-2	7680	500-year	101.2	192.95	195.68		195.69	0.000063	0.5	388.07	244.23	0.1	0.1
Main-2	7680	1000-year	115	192.95	195.8		195.81	0.000066	0.53	417.73	245.92	0.1	0.1
Main-2	7680	Hazel	218.5	192.95	196.54		196.55	0.000084	0.7	602.08	256.33	0.12	0.12
Main-2	7586	25-year	47.5	192.87	195.06		195.07	0.000085	0.51	157.44	140.81	0.11	0.11
Main-2	7586	50-year	59	192.87	195.21		195.23	0.000092	0.55	179.52	141.87	0.12	0.12
Main-2	7586	100-year	71	192.87	195.36		195.37	0.0001	0.6	200.33	144.04	0.12	0.12
Main-2	7586	200-year	83.6	192.87	195.51		195.52	0.000104	0.64	221.93	145.85	0.13	0.13
Main-2	7586	350-year	94.2	192.87	195.61		195.63	0.00011	0.67	237.1	146.93	0.13	0.13
Main-2	7586	500-year	101.2	192.87	195.67		195.69	0.000115	0.7	245.49	147.65	0.13	0.13
Main-2	7586	1000-year	115	192.87	195.79		195.81	0.000122	0.74	263.29	149.51	0.14	0.14
Main-2	7586	Hazel	218.5	192.87	196.52		196.54	0.00016	0.98	375.23	161.11	0.17	0.17
Main-2	7422	25-year	47.5	192.85	195.05		195.06	0.000139	0.63	169.93	219.07	0.14	0.14
Main-2	7422	50-year	59	192.85	195.21		195.21	0.000126	0.63	204.71	220.82	0.13	0.13
Main-2	7422	100-year	71	192.85	195.35		195.36	0.000117	0.63	237.34	222.37	0.13	0.13
Main-2	7422	200-year	83.6	192.85	195.5		195.51	0.000109	0.63	270.86	223.39	0.13	0.13
Main-2	7422	350-year	94.2	192.85	195.61		195.62	0.000107	0.64	294.21	224.37	0.13	0.13
Main-2	7422	500-year	101.2	192.85	195.66		195.67	0.000109	0.66	307.08	225.26	0.13	0.13
Main-2	7422	1000-year	115	192.85	195.78		195.79	0.000108	0.67	334.34	226.47	0.13	0.13
Main-2	7422	Hazel	218.5	192.85	196.52		196.53	0.000107	0.78	504.71	240.93	0.13	0.13
Main-2	7226	25-year	47.5	191.8	195.03		195.04	0.000099	0.64	149.42	271.14	0.12	0.12
Main-2	7226	50-year	59	191.8	195.2		195.21	0.000083	0.61	193.74	272.46	0.11	0.11
Main-2	7226	100-year	71	191.8	195.35		195.35	0.000073	0.59	234.69	273.79	0.1	0.1
Main-2	7226	200-year	83.6	191.8	195.5		195.51	0.000064	0.57	276.44	275.15	0.1	0.1
Main-2	7226	350-year	94.2	191.8	195.6		195.61	0.000061	0.57	305.4	276.15	0.1	0.1
Main-2	7226	500-year	101.2	191.8	195.66		195.67	0.000061	0.57	321.3	276.61	0.1	0.1
Main-2	7226	1000-year	115	191.8	195.78		195.79	0.000059	0.57	354.91	277.79	0.1	0.1
Main-2	7226	Hazel	218.5	191.8	196.52		196.52	0.000051	0.61	564.38	296.88	0.09	0.09
Main-2	7224	25-year	47.5	191.8	195.03	193.25	195.04	0.000107	0.67	127.19	198.38	0.13	0.13
Main-2	7224	50-year	59	191.8	195.19	193.45	195.2	0.000099	0.67	162.87	247.41	0.12	0.12
Main-2	7224	100-year	71	191.8	195.34	193.63	195.35	0.000092	0.66	202.12	268.34	0.12	0.12
Main-2	7224	200-year	83.6	191.8	195.49	193.8	195.5	0.000079	0.64	243.08	270.55	0.11	0.11
Main-2	7224	350-year	94.2	191.8	195.6	193.94	195.61	0.000074	0.63	271.38	271.39	0.11	0.11

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-2	7224	500-year	101.2	191.8	195.66	194.04	195.67	0.000073	0.63	286.87	271.85	0.11	0.11
Main-2	7224	1000-year	115	191.8	195.78	194.73	195.79	0.000069	0.63	319.61	273.3	0.1	0.1
Main-2	7224	Hazel	218.5	191.8	196.51	195.03	196.52	0.000057	0.64	529.92	306.22	0.1	0.1
Main-2	7215		Bridge										
Main-2	7204	25-year	49.5	192.13	195	193.55	195.02	0.000155	0.78	115.7	204.09	0.15	0.15
Main-2	7204	50-year	61.4	192.13	195.18	193.74	195.19	0.000134	0.76	151.8	225.5	0.14	0.14
Main-2	7204	100-year	73.7	192.13	195.33	193.91	195.34	0.000115	0.73	187.16	247.1	0.13	0.13
Main-2	7204	200-year	86.7	192.13	195.48	194.11	195.49	0.0001	0.7	224.63	268.01	0.13	0.13
Main-2	7204	350-year	97.6	192.13	195.59	194.21	195.6	0.000093	0.69	260	271.49	0.12	0.12
Main-2	7204	500-year	104.7	192.13	195.65	194.28	195.66	0.000091	0.69	275.9	274.9	0.12	0.12
Main-2	7204	1000-year	118.9	192.13	195.77	194.76	195.78	0.000084	0.68	309.81	280.41	0.12	0.12
Main-2	7204	Hazel	223.8	192.13	196.51	195.12	196.52	0.000061	0.66	529.61	309.36	0.1	0.1
Main-2	7200	25-year	49.5	191.51	195		195.02	0.000116	0.71	148.97	222.43	0.13	0.13
Main-2	7200	50-year	61.4	191.51	195.18		195.19	0.000103	0.7	188.01	230.22	0.13	0.13
Main-2	7200	100-year	73.7	191.51	195.33		195.34	0.000095	0.69	223.71	233.66	0.12	0.12
Main-2	7200	200-year	86.7	191.51	195.48		195.49	0.000089	0.69	259.08	240.63	0.12	0.12
Main-2	7200	350-year	97.6	191.51	195.59		195.6	0.000087	0.7	285.6	251.51	0.12	0.12
Main-2	7200	500-year	104.7	191.51	195.65		195.66	0.000087	0.71	300.42	258.71	0.12	0.12
Main-2	7200	1000-year	118.9	191.51	195.77		195.78	0.000085	0.71	333.15	275.19	0.12	0.12
Main-2	7200	Hazel	223.8	191.51	196.51		196.52	0.000074	0.75	555.81	316.93	0.11	0.11
Main-2	7156	25-year	49.5	192.83	194.97		194.99	0.000383	1.04	139.24	178.57	0.23	0.23
Main-2	7156	50-year	61.4	192.83	195.14		195.17	0.000363	1.07	171.04	190.45	0.23	0.23
Main-2	7156	100-year	73.7	192.83	195.29		195.32	0.000341	1.09	201.71	206.21	0.22	0.22
Main-2	7156	200-year	86.7	192.83	195.45		195.47	0.00032	1.1	234.21	226.7	0.22	0.22
Main-2	7156	350-year	97.6	192.83	195.55		195.58	0.000313	1.11	259.43	240.34	0.22	0.22
Main-2	7156	500-year	104.7	192.83	195.61		195.64	0.000314	1.13	273.38	242.97	0.22	0.22
Main-2	7156	1000-year	118.9	192.83	195.73		195.76	0.000307	1.15	303.53	247.8	0.22	0.22
Main-2	7156	Hazel	223.8	192.83	196.47		196.5	0.000272	1.27	494.13	265.61	0.21	0.21
Main-2	7079	25-year	49.5	192.81	194.94		194.97	0.000321	0.96	128.43	162.69	0.21	0.21
Main-2	7079	50-year	61.4	192.81	195.12		195.14	0.000306	0.99	157.54	171.35	0.21	0.21
Main-2	7079	100-year	73.7	192.81	195.27		195.3	0.0003	1.02	184.74	181.51	0.21	0.21
Main-2	7079	200-year	86.7	192.81	195.42		195.45	0.000293	1.05	213.99	202.04	0.21	0.21
Main-2	7079	350-year	97.6	192.81	195.53		195.56	0.000293	1.08	236.5	215.1	0.21	0.21
Main-2	7079	500-year	104.7	192.81	195.59		195.62	0.000297	1.1	249.03	222.46	0.21	0.21
Main-2	7079	1000-year	118.9	192.81	195.71		195.74	0.000292	1.13	276.8	228.06	0.21	0.21
Main-2	7079	Hazel	223.8	192.81	196.45		196.48	0.000263	1.25	455.2	249.63	0.21	0.21
Main-2	6987	25-year	49.5	192.8	194.9		194.94	0.000395	1.06	110.06	128.86	0.24	0.24
Main-2	6987	50-year	61.4	192.8	195.07		195.11	0.000422	1.15	133.6	155.14	0.25	0.25
Main-2	6987	100-year	73.7	192.8	195.22		195.27	0.000445	1.24	159.23	179.12	0.26	0.26
Main-2	6987	200-year	86.7	192.8	195.37		195.42	0.00043	1.27	187.69	190.99	0.25	0.25
Main-2	6987	350-year	97.6	192.8	195.48		195.53	0.000428	1.3	208.65	197.17	0.26	0.26
Main-2	6987	500-year	104.7	192.8	195.54		195.59	0.000433	1.33	219.89	199.07	0.26	0.26
Main-2	6987	1000-year	118.9	192.8	195.66		195.71	0.000428	1.36	244.75	202.4	0.26	0.26
Main-2	6987	Hazel	223.8	192.8	196.4		196.45	0.000405	1.55	400.58	216.6	0.26	0.26
Main-2	6896	25-year	49.5	192.8	194.88		194.91	0.000285	0.89	99.23	123.42	0.2	0.2
Main-2	6896	50-year	61.4	192.8	195.05		195.08	0.000286	0.94	123.45	154.13	0.2	0.2
Main-2	6896	100-year	73.7	192.8	195.2		195.23	0.000304	1.01	147.33	165.98	0.21	0.21
Main-2	6896	200-year	86.7	192.8	195.35		195.38	0.000292	1.03	173.24	169	0.21	0.21
Main-2	6896	350-year	97.6	192.8	195.46		195.49	0.000291	1.06	191.61	172.37	0.21	0.21
Main-2	6896	500-year	104.7	192.8	195.51		195.55	0.000297	1.09	201.33	174.83	0.21	0.21
Main-2	6896	1000-year	118.9	192.8	195.64		195.67	0.000301	1.13	223	177.78	0.22	0.22
Main-2	6896	Hazel	223.8	192.8	196.38		196.42	0.000307	1.33	363.5	197.97	0.23	0.23
Main-2	6803	25-year	49.5	192.79	194.82		194.87	0.000519	1.17	91.36	133.83	0.27	0.27
Main-2	6803	50-year	61.4	192.79	194.99		195.04	0.000499	1.21	114.54	135.56	0.27	0.27
Main-2	6803	100-year	73.7	192.79	195.14		195.19	0.000494	1.26	135.05	137.03	0.27	0.27
Main-2	6803	200-year	86.7	192.79	195.29		195.35	0.000482	1.3	156.38	139.72	0.27	0.27
Main-2	6803	350-year	97.6	192.79	195.4		195.45	0.000487	1.35	171.3	140.82	0.27	0.27

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-2	6803	500-year	104.7	192.79	195.45		195.51	0.000502	1.39	178.87	141.49	0.28	0.28
Main-2	6803	1000-year	118.9	192.79	195.57		195.63	0.000511	1.44	196.03	142.6	0.28	0.28
Main-2	6803	Hazel	223.8	192.79	196.3		196.38	0.00056	1.77	303.4	151.98	0.3	0.3
Main-2	6664	25-year	49.5	192.76	194.78		194.81	0.000314	0.93	94.94	90.89	0.21	0.21
Main-2	6664	50-year	61.4	192.76	194.94		194.98	0.000331	1.01	110.49	94.08	0.22	0.22
Main-2	6664	100-year	73.7	192.76	195.09		195.13	0.000352	1.08	124.39	96.42	0.23	0.23
Main-2	6664	200-year	86.7	192.76	195.24		195.28	0.000365	1.15	139.28	99.48	0.23	0.23
Main-2	6664	350-year	97.6	192.76	195.35		195.39	0.000383	1.21	149.61	100.51	0.24	0.24
Main-2	6664	500-year	104.7	192.76	195.4		195.45	0.000403	1.26	154.69	100.98	0.25	0.25
Main-2	6664	1000-year	118.9	192.76	195.51		195.57	0.000427	1.33	166.56	102.56	0.26	0.26
Main-2	6664	Hazel	223.8	192.76	196.21		196.3	0.000561	1.78	242.59	116	0.31	0.31
Main-2	6547	25-year	49.5	192.73	194.73		194.76	0.00043	1.05	107.73	107.13	0.24	0.24
Main-2	6547	50-year	61.4	192.73	194.89		194.93	0.000475	1.17	125.99	117.68	0.26	0.26
Main-2	6547	100-year	73.7	192.73	195.04		195.08	0.000494	1.24	143.28	121.71	0.26	0.26
Main-2	6547	200-year	86.7	192.73	195.19		195.23	0.000502	1.31	162.13	127.37	0.27	0.27
Main-2	6547	350-year	97.6	192.73	195.29		195.34	0.000523	1.37	175.14	131.06	0.28	0.28
Main-2	6547	500-year	104.7	192.73	195.34		195.39	0.000548	1.42	181.46	132.72	0.28	0.28
Main-2	6547	1000-year	118.9	192.73	195.45		195.51	0.000566	1.49	197.12	136.89	0.29	0.29
Main-2	6547	Hazel	223.8	192.73	196.14		196.22	0.000655	1.87	298.16	155.35	0.33	0.33
Main-2	6378	25-year	49.5	192.5	194.6		194.67	0.000784	1.41	76.66	88.09	0.32	0.32
Main-2	6378	50-year	61.4	192.5	194.75		194.83	0.000852	1.54	90.33	96.08	0.34	0.34
Main-2	6378	100-year	73.7	192.5	194.89		194.97	0.000897	1.65	105.52	132.21	0.35	0.35
Main-2	6378	200-year	86.7	192.5	195.01		195.12	0.001044	1.85	122.87	142.27	0.38	0.38
Main-2	6378	350-year	97.6	192.5	195.11		195.22	0.00104	1.9	137.63	149.27	0.39	0.39
Main-2	6378	500-year	104.7	192.5	195.16		195.27	0.001077	1.95	143.99	152.04	0.39	0.39
Main-2	6378	1000-year	118.9	192.5	195.27		195.38	0.001066	2	162.24	157.44	0.4	0.4
Main-2	6378	Hazel	223.8	192.5	195.99		196.1	0.000954	2.23	285.89	187.42	0.39	0.39
Main-2	6285	25-year	49.5	192.49	194.58		194.61	0.000359	1.02	109.87	125.95	0.23	0.23
Main-2	6285	50-year	61.4	192.49	194.73		194.77	0.000385	1.11	129.24	131.98	0.24	0.24
Main-2	6285	100-year	73.7	192.49	194.86		194.91	0.00041	1.19	147.47	138.03	0.25	0.25
Main-2	6285	200-year	86.7	192.49	194.99		195.04	0.000432	1.27	165.92	143.12	0.26	0.26
Main-2	6285	350-year	97.6	192.49	195.09		195.14	0.000453	1.33	180.34	149.31	0.26	0.26
Main-2	6285	500-year	104.7	192.49	195.13		195.19	0.000483	1.39	186.24	150.88	0.27	0.27
Main-2	6285	1000-year	118.9	192.49	195.24		195.3	0.000501	1.46	203.69	154.43	0.28	0.28
Main-2	6285	Hazel	223.8	192.49	195.94		196.02	0.000571	1.81	319.06	175.97	0.31	0.31
Main-2	6165	25-year	49.5	192.48	194.55		194.57	0.000324	0.95	145.97	200.52	0.21	0.21
Main-2	6165	50-year	61.4	192.48	194.7		194.73	0.000319	0.99	178.68	229.67	0.21	0.21
Main-2	6165	100-year	73.7	192.48	194.84		194.87	0.000318	1.03	211.9	246.76	0.22	0.22
Main-2	6165	200-year	86.7	192.48	194.98		195	0.000313	1.06	246.76	276.72	0.22	0.22
Main-2	6165	350-year	97.6	192.48	195.08		195.1	0.000312	1.09	275.98	299.7	0.22	0.22
Main-2	6165	500-year	104.7	192.48	195.12		195.14	0.000326	1.12	287.86	301.8	0.22	0.22
Main-2	6165	1000-year	118.9	192.48	195.23		195.26	0.000318	1.14	323.97	314.17	0.22	0.22
Main-2	6165	Hazel	223.8	192.48	195.95		195.97	0.000269	1.23	578.6	383.76	0.21	0.21
Main-2	6050	25-year	49.5	192.47	194.45	193.7	194.51	0.0007	1.37	91.61	166.77	0.31	0.31
Main-2	6050	50-year	61.4	192.47	194.6	193.78	194.67	0.000721	1.46	110.58	181.37	0.32	0.32
Main-2	6050	100-year	73.7	192.47	194.74	193.98	194.8	0.000728	1.53	129.15	188.77	0.33	0.33
Main-2	6050	200-year	86.7	192.47	194.87	194.04	194.94	0.000736	1.6	147.83	198.68	0.33	0.33
Main-2	6050	350-year	97.6	192.47	194.97	194.21	195.04	0.000745	1.65	162.3	204.18	0.34	0.34
Main-2	6050	500-year	104.7	192.47	195.05	194.26	195.09	0.000464	1.33	236.87	207.37	0.27	0.27
Main-2	6050	1000-year	118.9	192.47	195.17	194.26	195.21	0.000462	1.37	261.43	212.83	0.27	0.27
Main-2	6050	Hazel	223.8	192.47	195.89	194.88	195.93	0.000422	1.54	444.94	294	0.27	0.27
Main-2	5962	25-year	49.5	192.45	194.38		194.45	0.000715	1.35	87.14	122.54	0.31	0.31
Main-2	5962	50-year	61.4	192.45	194.53		194.6	0.000724	1.43	105.93	129.14	0.32	0.32
Main-2	5962	100-year	73.7	192.45	194.67		194.73	0.00074	1.51	123.63	135.8	0.33	0.33
Main-2	5962	200-year	86.7	192.45	194.8		194.87	0.000751	1.58	141.68	142.68	0.33	0.33
Main-2	5962	350-year	97.6	192.45	194.89		194.97	0.000761	1.64	155.7	146.54	0.34	0.34
Main-2	5962	500-year	104.7	192.45	194.95		195.03	0.000763	1.67	164.69	148.24	0.34	0.34
Main-2	5962	1000-year	118.9	192.45	195.07		195.15	0.00077	1.73	181.92	151.94	0.34	0.34

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-2	5962	Hazel	223.8	192.45	195.78		195.87	0.00077	2.03	301.17	202.51	0.36	0.36
Main-2	5829	25-year	49.5	192.43	194.25	193.62	194.33	0.000963	1.5	75.85	115.48	0.36	0.36
Main-2	5829	50-year	61.4	192.43	194.4	193.81	194.48	0.000969	1.59	93.3	122.23	0.37	0.37
Main-2	5829	100-year	73.7	192.43	194.53	193.94	194.62	0.000973	1.67	109.83	126.96	0.37	0.37
Main-2	5829	200-year	86.7	192.43	194.66	194.06	194.75	0.000972	1.73	126.51	131.48	0.38	0.38
Main-2	5829	350-year	97.6	192.43	194.75	194.19	194.85	0.000981	1.79	139.12	134.29	0.38	0.38
Main-2	5829	500-year	104.7	192.43	194.81	194.23	194.91	0.000981	1.82	147.3	135.62	0.38	0.38
Main-2	5829	1000-year	118.9	192.43	194.93	194.34	195.02	0.000982	1.89	162.85	137.86	0.38	0.38
Main-2	5829	Hazel	223.8	192.43	195.64	194.77	195.75	0.00096	2.21	265.16	151.06	0.4	0.4
Main-2	5705	25-year	49.5	192.32	194.11		194.21	0.001087	1.57	55.44	93.57	0.38	0.38
Main-2	5705	50-year	61.4	192.32	194.24		194.36	0.001198	1.73	68.2	104.52	0.4	0.4
Main-2	5705	100-year	73.7	192.32	194.36		194.49	0.001261	1.85	81.15	109.25	0.42	0.42
Main-2	5705	200-year	86.7	192.32	194.48		194.62	0.001291	1.95	94.93	114.08	0.43	0.43
Main-2	5705	350-year	97.6	192.32	194.57		194.72	0.001323	2.03	105.23	117.02	0.44	0.44
Main-2	5705	500-year	104.7	192.32	194.63		194.78	0.001335	2.07	112.08	119.31	0.44	0.44
Main-2	5705	1000-year	118.9	192.32	194.73		194.89	0.001373	2.17	125.07	125.91	0.45	0.45
Main-2	5705	Hazel	223.8	192.32	195.47		195.63	0.0012	2.43	243.36	181.21	0.44	0.44
Main-2	5528	25-year	49.5	192.24	194.02		194.06	0.000602	1.17	117.39	195.87	0.28	0.28
Main-2	5528	50-year	61.4	192.24	194.16		194.2	0.000563	1.19	146.19	207.64	0.28	0.28
Main-2	5528	100-year	73.7	192.24	194.29		194.33	0.000537	1.21	174.48	220.21	0.27	0.27
Main-2	5528	200-year	86.7	192.24	194.43		194.46	0.000492	1.21	205.7	239.57	0.26	0.26
Main-2	5528	350-year	97.6	192.24	194.53		194.56	0.000475	1.23	229.58	249.96	0.26	0.26
Main-2	5528	500-year	104.7	192.24	194.59		194.62	0.000462	1.23	245.52	257.58	0.26	0.26
Main-2	5528	1000-year	118.9	192.24	194.7		194.74	0.000445	1.25	275.34	262.05	0.26	0.26
Main-2	5528	Hazel	223.8	192.24	195.47		195.5	0.000347	1.32	482.61	280.98	0.24	0.24
Main-2	5434	25-year	49.5	192.24	194.02		194.03	0.000228	0.73	145.76	198.41	0.18	0.18
Main-2	5434	50-year	61.4	192.24	194.16		194.17	0.000212	0.74	174.08	199.71	0.17	0.17
Main-2	5434	100-year	73.7	192.24	194.29		194.3	0.000202	0.75	200.55	200.52	0.17	0.17
Main-2	5434	200-year	86.7	192.24	194.43		194.44	0.000191	0.77	228	201.79	0.17	0.17
Main-2	5434	350-year	97.6	192.24	194.52		194.54	0.000188	0.78	247.66	202.57	0.17	0.17
Main-2	5434	500-year	104.7	192.24	194.59		194.6	0.000186	0.79	260.37	202.84	0.17	0.17
Main-2	5434	1000-year	118.9	192.24	194.7		194.71	0.000185	0.82	283.57	203.69	0.17	0.17
Main-2	5434	Hazel	223.8	192.24	195.46		195.48	0.000167	0.93	440.56	209.48	0.17	0.17
Main-2	5358	25-year	49.5	192.24	194.01		194.02	0.000173	0.63	155.18	186.5	0.15	0.15
Main-2	5358	50-year	61.4	192.24	194.15		194.16	0.000163	0.64	181.92	188	0.15	0.15
Main-2	5358	100-year	73.7	192.24	194.28		194.29	0.000158	0.66	206.92	189.11	0.15	0.15
Main-2	5358	200-year	86.7	192.24	194.42		194.43	0.00015	0.67	232.85	190.01	0.15	0.15
Main-2	5358	350-year	97.6	192.24	194.52		194.53	0.000149	0.69	251.37	190.71	0.15	0.15
Main-2	5358	500-year	104.7	192.24	194.58		194.59	0.000148	0.7	263.35	191.12	0.15	0.15
Main-2	5358	1000-year	118.9	192.24	194.69		194.71	0.000148	0.72	285.24	192.12	0.15	0.15
Main-2	5358	Hazel	223.8	192.24	195.45		195.47	0.000137	0.83	434.01	198.13	0.15	0.15
Main-2	5064	25-year	49.5	192.22	193.82		193.92	0.001484	1.63	63.1	94.55	0.43	0.43
Main-2	5064	50-year	61.4	192.22	193.98		194.07	0.001393	1.69	77.77	102.22	0.42	0.42
Main-2	5064	100-year	73.7	192.22	194.11		194.21	0.001342	1.75	92.58	113.88	0.42	0.42
Main-2	5064	200-year	86.7	192.22	194.24		194.35	0.001418	1.88	107.45	120.83	0.44	0.44
Main-2	5064	350-year	97.6	192.22	194.34		194.45	0.001367	1.92	119.72	122.17	0.44	0.44
Main-2	5064	500-year	104.7	192.22	194.4		194.51	0.00133	1.93	127.77	123.02	0.43	0.43
Main-2	5064	1000-year	118.9	192.22	194.52		194.63	0.001298	1.98	142.03	124.57	0.43	0.43
Main-2	5064	Hazel	223.8	192.22	195.29		195.41	0.001069	2.2	241.74	135.33	0.41	0.41
Main-2	4993	25-year	49.5	192.22	193.74		193.83	0.00114	1.45	52.64	84.26	0.38	0.38
Main-2	4993	50-year	61.4	192.22	193.9		193.99	0.001068	1.5	66.07	87.08	0.37	0.37
Main-2	4993	100-year	73.7	192.22	194.04		194.13	0.001043	1.56	78.35	91.4	0.38	0.38
Main-2	4993	200-year	86.7	192.22	194.17		194.26	0.001013	1.62	90.54	93.47	0.37	0.37
Main-2	4993	350-year	97.6	192.22	194.27		194.37	0.001014	1.67	100.01	97.25	0.38	0.38
Main-2	4993	500-year	104.7	192.22	194.33		194.43	0.000998	1.7	106.47	98.66	0.38	0.38
Main-2	4993	1000-year	118.9	192.22	194.45		194.55	0.001003	1.76	117.85	102.45	0.38	0.38
Main-2	4993	Hazel	223.8	192.22	195.22		195.34	0.000873	2.01	212.63	140.2	0.37	0.37

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-2	4827	25-year	49.5	191.92	193.67		193.71	0.000598	1.16	115.73	151.71	0.28	0.28
Main-2	4827	50-year	61.4	191.92	193.84		193.87	0.000543	1.18	141.87	156.4	0.27	0.27
Main-2	4827	100-year	73.7	191.92	193.99		194.02	0.000525	1.22	164.67	160.06	0.27	0.27
Main-2	4827	200-year	86.7	191.92	194.12		194.15	0.000532	1.28	186.56	168.23	0.28	0.28
Main-2	4827	350-year	97.6	191.92	194.22		194.26	0.000534	1.32	203.81	172.32	0.28	0.28
Main-2	4827	500-year	104.7	191.92	194.29		194.33	0.000525	1.34	215.71	173.89	0.28	0.28
Main-2	4827	1000-year	118.9	191.92	194.4		194.44	0.000533	1.39	236.02	178.51	0.28	0.28
Main-2	4827	Hazel	223.8	191.92	195.19		195.24	0.000507	1.64	392.05	219.03	0.29	0.29
Main-2	4692	25-year	49.5	191.76	193.64		193.66	0.000227	0.75	153.94	167.11	0.18	0.18
Main-2	4692	50-year	61.4	191.76	193.81		193.83	0.000222	0.78	182.41	168.1	0.18	0.18
Main-2	4692	100-year	73.7	191.76	193.95		193.97	0.000226	0.83	206.64	169.04	0.18	0.18
Main-2	4692	200-year	86.7	191.76	194.09		194.11	0.000233	0.88	229.22	170.91	0.18	0.18
Main-2	4692	350-year	97.6	191.76	194.19		194.21	0.00024	0.91	246.91	180.51	0.19	0.19
Main-2	4692	500-year	104.7	191.76	194.26		194.28	0.000241	0.93	259.51	187.48	0.19	0.19
Main-2	4692	1000-year	118.9	191.76	194.37		194.39	0.00025	0.98	281.72	202.7	0.2	0.2
Main-2	4692	Hazel	223.8	191.76	195.16		195.19	0.000245	1.16	464.34	245.06	0.2	0.2
Main-2	4475	25-year	49.5	191.57	193.57		193.6	0.000428	1.07	117.79	154.44	0.24	0.24
Main-2	4475	50-year	61.4	191.57	193.74		193.78	0.0004	1.09	145.32	158.07	0.24	0.24
Main-2	4475	100-year	73.7	191.57	193.89		193.92	0.0004	1.14	168.48	162.34	0.24	0.24
Main-2	4475	200-year	86.7	191.57	194.02		194.06	0.000404	1.19	190.47	171.37	0.24	0.24
Main-2	4475	350-year	97.6	191.57	194.12		194.16	0.000431	1.26	207.71	184.12	0.25	0.25
Main-2	4475	500-year	104.7	191.57	194.19		194.23	0.000439	1.3	220.23	187.62	0.26	0.26
Main-2	4475	1000-year	118.9	191.57	194.3		194.34	0.000446	1.34	241.95	194.93	0.26	0.26
Main-2	4475	Hazel	223.8	191.57	195.1		195.15	0.000406	1.53	413.13	230.03	0.26	0.26
Main-2	4351	25-year	49.5	191.47	193.53		193.56	0.000303	0.9	88.09	102.07	0.2	0.2
Main-2	4351	50-year	61.4	191.47	193.7		193.74	0.000307	0.96	107.44	114.06	0.21	0.21
Main-2	4351	100-year	73.7	191.47	193.84		193.88	0.000324	1.03	124.62	127.76	0.22	0.22
Main-2	4351	200-year	86.7	191.47	193.97		194.01	0.00034	1.09	141.7	139.32	0.22	0.22
Main-2	4351	350-year	97.6	191.47	194.07		194.11	0.000362	1.16	155.04	146.12	0.23	0.23
Main-2	4351	500-year	104.7	191.47	194.13		194.18	0.000362	1.18	165.03	147.32	0.23	0.23
Main-2	4351	1000-year	118.9	191.47	194.25		194.29	0.000375	1.23	181.61	151.65	0.24	0.24
Main-2	4351	Hazel	223.8	191.47	195.05		195.1	0.000357	1.43	328.56	197.82	0.24	0.24
Main-2	4234	25-year	49.5	191.45	193.49		193.52	0.000342	0.97	75.52	81.52	0.22	0.22
Main-2	4234	50-year	61.4	191.45	193.67		193.7	0.000344	1.02	91.34	99.95	0.22	0.22
Main-2	4234	100-year	73.7	191.45	193.81		193.84	0.000358	1.09	106.27	110.53	0.23	0.23
Main-2	4234	200-year	86.7	191.45	193.94		193.98	0.000371	1.15	120.7	113.14	0.23	0.23
Main-2	4234	350-year	97.6	191.45	194.03		194.07	0.000388	1.21	131.26	114.92	0.24	0.24
Main-2	4234	500-year	104.7	191.45	194.1		194.14	0.000391	1.23	139.26	122.36	0.24	0.24
Main-2	4234	1000-year	118.9	191.45	194.21		194.25	0.000408	1.29	153.05	128.28	0.25	0.25
Main-2	4234	Hazel	223.8	191.45	195.01		195.07	0.00039	1.5	262.62	145.27	0.26	0.26
Main-2	4010	25-year	49.5	191.41	193.37		193.42	0.000645	1.27	92.23	130.51	0.29	0.29
Main-2	4010	50-year	61.4	191.41	193.54		193.6	0.00067	1.37	118.33	176.46	0.3	0.3
Main-2	4010	100-year	73.7	191.41	193.68		193.74	0.000682	1.44	146.13	223.42	0.31	0.31
Main-2	4010	200-year	86.7	191.41	193.81		193.87	0.000673	1.49	177.97	250.38	0.31	0.31
Main-2	4010	350-year	97.6	191.41	193.91		193.97	0.000627	1.48	204.03	255.77	0.3	0.3
Main-2	4010	500-year	104.7	191.41	193.99		194.04	0.000584	1.46	224.02	261.53	0.29	0.29
Main-2	4010	1000-year	118.9	191.41	194.11		194.16	0.000554	1.46	255.36	270.04	0.29	0.29
Main-2	4010	Hazel	223.8	191.41	194.96		194.99	0.000338	1.37	503.8	311.94	0.23	0.23
Main-2	3898	25-year	49.5	190.41	193.37		193.38	0.000151	0.75	127.84	178.1	0.15	0.15
Main-2	3898	50-year	61.4	190.41	193.55		193.56	0.000138	0.75	168.38	252.76	0.14	0.14
Main-2	3898	100-year	73.7	190.41	193.69		193.7	0.000133	0.76	205.11	266.32	0.14	0.14
Main-2	3898	200-year	86.7	190.41	193.82		193.84	0.000129	0.77	243.24	298.5	0.14	0.14
Main-2	3898	350-year	97.6	190.41	193.92		193.94	0.000126	0.78	273.62	304.73	0.14	0.14
Main-2	3898	500-year	104.7	190.41	194		194.01	0.00012	0.77	296.95	308.62	0.14	0.14
Main-2	3898	1000-year	118.9	190.41	194.11		194.13	0.000117	0.78	333.36	316.37	0.14	0.14
Main-2	3898	Hazel	223.8	190.41	194.96		194.97	0.000084	0.77	624.33	369.76	0.12	0.12
Main-2	3895	25-year	49.5	190.41	193.32	191.9	193.37	0.000359	1.13	54.74	171.8	0.23	0.23
Main-2	3895	50-year	61.4	190.41	193.54	192.07	193.56	0.00015	0.78	151.84	248.08	0.15	0.15

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-2	3895	100-year	73.7	190.41	193.69	192.24	193.7	0.000143	0.78	185.71	260.87	0.15	0.15
Main-2	3895	200-year	86.7	190.41	193.82	192.39	193.83	0.000136	0.79	219.99	286.79	0.15	0.15
Main-2	3895	350-year	97.6	190.41	193.92	192.5	193.93	0.000132	0.79	247.54	296.93	0.14	0.14
Main-2	3895	500-year	104.7	190.41	194	192.58	194.01	0.000125	0.78	268.74	303.56	0.14	0.14
Main-2	3895	1000-year	118.9	190.41	194.11	192.72	194.13	0.000121	0.79	301.77	308.18	0.14	0.14
Main-2	3895	Hazel	223.8	190.41	194.96	193.44	194.97	0.000077	0.73	604.33	366.67	0.12	0.12
Main-2	3881		Bridge										
Main-2	3867	25-year	49.5	190.25	193.3	191.65	193.34	0.000247	0.95	58.75	249.58	0.19	0.19
Main-2	3867	50-year	61.4	190.25	193.48	191.8	193.49	0.000063	0.5	203.12	268.95	0.1	0.1
Main-2	3867	100-year	73.7	190.25	193.62	191.95	193.63	0.000059	0.5	240.73	291.32	0.09	0.09
Main-2	3867	200-year	86.7	190.25	193.76	192.1	193.77	0.000054	0.5	283.38	314.88	0.09	0.09
Main-2	3867	350-year	97.6	190.25	193.87	192.2	193.88	0.000051	0.49	318.91	320.96	0.09	0.09
Main-2	3867	500-year	104.7	190.25	193.95	192.28	193.95	0.000048	0.49	341.43	324.03	0.09	0.09
Main-2	3867	1000-year	118.9	190.25	194.08	192.41	194.09	0.000045	0.48	384.91	330.19	0.08	0.08
Main-2	3867	Hazel	223.8	190.25	194.94	193.4	194.95	0.000031	0.46	686.32	372.21	0.07	0.07
Main-2	3861	25-year	49.5	190.25	193.32		193.33	0.000088	0.5	167.48	269.83	0.11	0.11
Main-2	3861	50-year	61.4	190.25	193.48		193.49	0.000079	0.5	212.83	280.25	0.1	0.1
Main-2	3861	100-year	73.7	190.25	193.62		193.63	0.000074	0.5	252.16	292.69	0.1	0.1
Main-2	3861	200-year	86.7	190.25	193.76		193.77	0.000069	0.5	294.7	313.1	0.1	0.1
Main-2	3861	350-year	97.6	190.25	193.87		193.88	0.000065	0.5	330.38	318.62	0.1	0.1
Main-2	3861	500-year	104.7	190.25	193.94		193.95	0.000062	0.5	353.05	322.05	0.1	0.1
Main-2	3861	1000-year	118.9	190.25	194.08		194.09	0.000059	0.5	397.03	329.3	0.09	0.09
Main-2	3861	Hazel	223.8	190.25	194.94		194.95	0.000043	0.51	694.52	357.53	0.08	0.08
Main-2	3763	25-year	49.5	191.38	193.31		193.32	0.000109	0.53	180.94	228.14	0.12	0.12
Main-2	3763	50-year	61.4	191.38	193.48		193.48	0.000105	0.55	219.2	236.13	0.12	0.12
Main-2	3763	100-year	73.7	191.38	193.61		193.62	0.000108	0.59	252.58	254.07	0.13	0.13
Main-2	3763	200-year	86.7	191.38	193.75		193.76	0.000107	0.61	288.67	262.4	0.13	0.13
Main-2	3763	350-year	97.6	191.38	193.87		193.88	0.000106	0.62	318.76	269.84	0.13	0.13
Main-2	3763	500-year	104.7	191.38	193.94		193.95	0.000105	0.63	337.98	273.28	0.13	0.13
Main-2	3763	1000-year	118.9	191.38	194.07		194.08	0.000104	0.65	375.52	282.94	0.13	0.13
Main-2	3763	Hazel	223.8	191.38	194.94		194.95	0.000089	0.73	631.75	309.79	0.12	0.12
Main-2	3634	25-year	49.5	191.38	193.29		193.31	0.00022	0.75	126.18	150.48	0.17	0.17
Main-2	3634	50-year	61.4	191.38	193.45		193.47	0.000222	0.79	151.81	159.78	0.18	0.18
Main-2	3634	100-year	73.7	191.38	193.59		193.61	0.000231	0.84	173.83	164.22	0.18	0.18
Main-2	3634	200-year	86.7	191.38	193.73		193.75	0.000234	0.88	196.91	168.91	0.19	0.19
Main-2	3634	350-year	97.6	191.38	193.84		193.86	0.000236	0.92	216.24	176.64	0.19	0.19
Main-2	3634	500-year	104.7	191.38	193.91		193.93	0.000239	0.94	228.77	182.33	0.19	0.19
Main-2	3634	1000-year	118.9	191.38	194.04		194.07	0.000241	0.98	253.96	191.66	0.19	0.19
Main-2	3634	Hazel	223.8	191.38	194.91		194.93	0.000214	1.11	435.44	223.96	0.19	0.19
Main-2	3489	25-year	49.5	191.38	193.23		193.27	0.000365	0.94	97.56	121.55	0.22	0.22
Main-2	3489	50-year	61.4	191.38	193.39		193.43	0.000374	1	117.83	127.66	0.23	0.23
Main-2	3489	100-year	73.7	191.38	193.53		193.57	0.000398	1.08	135.04	133.04	0.24	0.24
Main-2	3489	200-year	86.7	191.38	193.66		193.71	0.000409	1.14	153.5	137.91	0.24	0.24
Main-2	3489	350-year	97.6	191.38	193.77		193.82	0.00041	1.18	169.06	140.42	0.25	0.25
Main-2	3489	500-year	104.7	191.38	193.84		193.89	0.000411	1.21	178.87	142.01	0.25	0.25
Main-2	3489	1000-year	118.9	191.38	193.98		194.03	0.000411	1.25	198	144.81	0.25	0.25
Main-2	3489	Hazel	223.8	191.38	194.84		194.9	0.000386	1.47	330.65	163.73	0.25	0.25
Main-2	3372	25-year	49.5	191.38	193.19		193.22	0.000332	0.9	108.19	123.11	0.21	0.21
Main-2	3372	50-year	61.4	191.38	193.35		193.39	0.000347	0.97	128.57	132.22	0.22	0.22
Main-2	3372	100-year	73.7	191.38	193.48		193.52	0.000373	1.05	145.97	137.97	0.23	0.23
Main-2	3372	200-year	86.7	191.38	193.62		193.66	0.000384	1.11	164.91	142.53	0.24	0.24
Main-2	3372	350-year	97.6	191.38	193.73		193.77	0.000389	1.15	180.99	147.39	0.24	0.24
Main-2	3372	500-year	104.7	191.38	193.8		193.84	0.00039	1.18	191.29	150	0.24	0.24
Main-2	3372	1000-year	118.9	191.38	193.93		193.98	0.000391	1.22	211.65	155.73	0.25	0.25
Main-2	3372	Hazel	223.8	191.38	194.8		194.85	0.000348	1.4	382.52	270.16	0.24	0.24
Main-2	3258	25-year	49.5	191.37	193.16		193.18	0.000343	0.91	163.88	210.85	0.22	0.22
Main-2	3258	50-year	61.4	191.37	193.33		193.34	0.00034	0.96	198.76	222.46	0.22	0.22

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-2	3258	100-year	73.7	191.37	193.45		193.47	0.000337	1	227.6	225.81	0.22	0.22
Main-2	3258	200-year	86.7	191.37	193.59		193.61	0.000324	1.02	258.58	228.83	0.22	0.22
Main-2	3258	350-year	97.6	191.37	193.7		193.72	0.000312	1.04	284.46	231.62	0.22	0.22
Main-2	3258	500-year	104.7	191.37	193.77		193.79	0.000305	1.04	300.75	233.04	0.22	0.22
Main-2	3258	1000-year	118.9	191.37	193.91		193.92	0.000293	1.06	332.37	235.91	0.21	0.21
Main-2	3258	Hazel	223.8	191.37	194.78		194.8	0.000236	1.16	549.53	279.17	0.2	0.2
Main-2	3257	25-year	49.5	191.37	193.14		193.16	0.000288	0.82	101.67	107.86	0.2	0.2
Main-2	3257	50-year	61.4	191.37	193.3		193.32	0.000303	0.89	119.09	116.42	0.21	0.21
Main-2	3257	100-year	73.7	191.37	193.42		193.45	0.000335	0.98	134.16	126.54	0.22	0.22
Main-2	3257	200-year	86.7	191.37	193.56		193.59	0.000352	1.05	151.56	133.58	0.23	0.23
Main-2	3257	350-year	97.6	191.37	193.67		193.7	0.000356	1.09	166.45	136.04	0.23	0.23
Main-2	3257	500-year	104.7	191.37	193.73		193.77	0.000359	1.11	175.89	137.84	0.23	0.23
Main-2	3257	1000-year	118.9	191.37	193.87		193.9	0.000363	1.16	194.47	142.82	0.24	0.24
Main-2	3257	Hazel	223.8	191.37	194.74		194.78	0.000348	1.39	331.24	172.85	0.24	0.24
Main-2	3253	25-year	49.5	191.37	193.13	192.28	193.16	0.000366	0.92	72.41	107.94	0.22	0.22
Main-2	3253	50-year	61.4	191.37	193.28	192.39	193.32	0.000398	1.01	81.44	111.95	0.24	0.24
Main-2	3253	100-year	73.7	191.37	193.4	192.47	193.44	0.000447	1.12	89.21	123.92	0.25	0.25
Main-2	3253	200-year	86.7	191.37	193.52	192.55	193.58	0.00049	1.22	98.37	129.2	0.27	0.27
Main-2	3253	350-year	97.6	191.37	193.63	192.61	193.69	0.000508	1.28	106.58	136.18	0.27	0.27
Main-2	3253	500-year	104.7	191.37	193.7	192.65	193.76	0.000519	1.32	112.02	139.94	0.28	0.28
Main-2	3253	1000-year	118.9	191.37	193.82	192.72	193.89	0.000534	1.39	122.88	149.07	0.28	0.28
Main-2	3253	Hazel	223.8	191.37	194.66	193.16	194.76	0.000547	1.71	194.6	173.44	0.3	0.3
Main-2	3218		Bridge										
Main-2	3188	25-year	49.5	191.37	193.07	192.04	193.09	0.000221	0.7	83.51	110.19	0.17	0.17
Main-2	3188	50-year	61.4	191.37	193.2	192.12	193.23	0.000245	0.78	95.04	124.36	0.18	0.18
Main-2	3188	100-year	73.7	191.37	193.3	192.2	193.33	0.000284	0.86	103.17	130.36	0.2	0.2
Main-2	3188	200-year	86.7	191.37	193.4	192.33	193.44	0.000315	0.94	111.87	131.83	0.21	0.21
Main-2	3188	350-year	97.6	191.37	193.48	192.39	193.53	0.000335	1	119.12	137.68	0.22	0.22
Main-2	3188	500-year	104.7	191.37	193.54	192.44	193.58	0.000348	1.04	123.5	139.69	0.23	0.23
Main-2	3188	1000-year	118.9	191.37	193.63	192.5	193.68	0.000373	1.1	131.73	141.3	0.24	0.24
Main-2	3188	Hazel	223.8	191.37	194.16	192.92	194.26	0.000553	1.55	176.83	154.19	0.3	0.3
Main-2	3182	25-year	49.5	191.37	193.07		193.08	0.000209	0.68	96.65	169.25	0.17	0.17
Main-2	3182	50-year	61.4	191.37	193.2		193.22	0.000224	0.74	121.76	194.78	0.18	0.18
Main-2	3182	100-year	73.7	191.37	193.3		193.32	0.000249	0.81	140.9	201.15	0.19	0.19
Main-2	3182	200-year	86.7	191.37	193.4		193.43	0.000264	0.86	162.18	210	0.19	0.19
Main-2	3182	350-year	97.6	191.37	193.49		193.52	0.00027	0.9	180.52	213.94	0.2	0.2
Main-2	3182	500-year	104.7	191.37	193.54		193.57	0.000274	0.92	191.79	216.37	0.2	0.2
Main-2	3182	1000-year	118.9	191.37	193.64		193.67	0.000282	0.96	213.39	222.75	0.2	0.2
Main-2	3182	Hazel	223.8	191.37	194.19		194.23	0.000337	1.21	346.85	264.09	0.23	0.23
Main-2	3118	25-year	52.5	191.37	193.02	192.09	193.06	0.000469	1	67.6	248.81	0.25	0.25
Main-2	3118	50-year	64.8	191.37	193.14	192.19	193.2	0.000534	1.12	77.14	274.2	0.27	0.27
Main-2	3118	100-year	77.6	191.37	193.27	192.3	193.31	0.000337	0.93	174.05	281.81	0.22	0.22
Main-2	3118	200-year	91.1	191.37	193.38	192.42	193.41	0.000326	0.95	204.38	283.98	0.21	0.21
Main-2	3118	350-year	102.3	191.37	193.47	192.5	193.5	0.000312	0.96	229.87	286.66	0.21	0.21
Main-2	3118	500-year	109.7	191.37	193.52	192.56	193.55	0.000307	0.96	245.19	287.95	0.21	0.21
Main-2	3118	1000-year	124.3	191.37	193.62	192.68	193.65	0.000298	0.98	274.11	289.87	0.21	0.21
Main-2	3118	Hazel	223.9	191.37	194.18	193.24	194.21	0.000273	1.09	438.45	303.06	0.21	0.21
Main-2	3027	25-year	52.5	191.37	192.99		193.02	0.000419	0.92	90.44	158.06	0.23	0.23
Main-2	3027	50-year	64.8	191.37	193.12		193.15	0.000425	0.98	114.74	212.49	0.24	0.24
Main-2	3027	100-year	77.6	191.37	193.24		193.27	0.000419	1.02	143.43	245.38	0.24	0.24
Main-2	3027	200-year	91.1	191.37	193.35		193.38	0.000411	1.05	170.32	253.26	0.24	0.24
Main-2	3027	350-year	102.3	191.37	193.44		193.47	0.000397	1.06	193.41	257.24	0.24	0.24
Main-2	3027	500-year	109.7	191.37	193.49		193.52	0.000389	1.07	207.32	258.06	0.24	0.24
Main-2	3027	1000-year	124.3	191.37	193.59		193.62	0.000376	1.08	233.5	259.57	0.23	0.23
Main-2	3027	Hazel	223.9	191.37	194.15		194.18	0.000338	1.2	380.85	270.14	0.23	0.23
Main-2	2912	25-year	52.5	191.32	192.94	192.23	192.97	0.000422	0.93	95.94	141.09	0.23	0.23
Main-2	2912	50-year	64.8	191.32	193.07	192.35	193.1	0.000448	1.01	112.27	156.94	0.24	0.24

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-2	2912	100-year	77.6	191.32	193.19	192.44	193.23	0.000462	1.07	128.19	182.86	0.25	0.25
Main-2	2912	200-year	91.1	191.32	193.3	192.56	193.34	0.00043	1.07	167.23	200.55	0.25	0.25
Main-2	2912	350-year	102.3	191.32	193.39	192.62	193.43	0.000438	1.12	185.9	220.03	0.25	0.25
Main-2	2912	500-year	109.7	191.32	193.44	192.65	193.48	0.000441	1.14	197.84	228.65	0.25	0.25
Main-2	2912	1000-year	124.3	191.32	193.54	192.71	193.58	0.000443	1.18	221.01	232.55	0.25	0.25
Main-2	2912	Hazel	223.9	191.32	194.1	193.03	194.14	0.000444	1.37	353.03	243.87	0.26	0.26
Main-2	2782	25-year	52.5	191.27	192.9		192.92	0.000364	0.84	120.83	158.75	0.22	0.22
Main-2	2782	50-year	64.8	191.27	193.03		193.05	0.000376	0.9	140.83	160.37	0.22	0.22
Main-2	2782	100-year	77.6	191.27	193.15		193.17	0.000388	0.96	159.97	162.95	0.23	0.23
Main-2	2782	200-year	91.1	191.27	193.26		193.28	0.000402	1.02	178.04	164.23	0.24	0.24
Main-2	2782	350-year	102.3	191.27	193.34		193.37	0.00041	1.06	192.44	164.85	0.24	0.24
Main-2	2782	500-year	109.7	191.27	193.4		193.42	0.000421	1.09	201.07	167.78	0.24	0.24
Main-2	2782	1000-year	124.3	191.27	193.49		193.53	0.000434	1.14	217.65	168.34	0.25	0.25
Main-2	2782	Hazel	223.9	191.27	194.04		194.08	0.000521	1.46	310.78	180.5	0.28	0.28
Main-2	2629	25-year	52.5	191.24	192.81		192.85	0.000558	1.06	96.67	156.57	0.27	0.27
Main-2	2629	50-year	64.8	191.24	192.94		192.98	0.000563	1.12	116.43	161.63	0.28	0.28
Main-2	2629	100-year	77.6	191.24	193.06		193.1	0.000567	1.17	135.88	168.31	0.28	0.28
Main-2	2629	200-year	91.1	191.24	193.16		193.21	0.000577	1.23	154.49	174.11	0.28	0.28
Main-2	2629	350-year	102.3	191.24	193.25		193.29	0.000577	1.27	169.94	178.21	0.29	0.29
Main-2	2629	500-year	109.7	191.24	193.3		193.35	0.000583	1.3	179.06	180.15	0.29	0.29
Main-2	2629	1000-year	124.3	191.24	193.4		193.45	0.000589	1.35	196.83	183.46	0.29	0.29
Main-2	2629	Hazel	223.9	191.24	193.93		193.99	0.000679	1.67	302.43	227.94	0.33	0.33
Main-2	2492	25-year	52.5	191.06	192.63		192.73	0.00157	1.76	73.57	115.11	0.45	0.45
Main-2	2492	50-year	64.8	191.06	192.76		192.86	0.001592	1.86	87.88	120.69	0.46	0.46
Main-2	2492	100-year	77.6	191.06	192.87		192.98	0.001655	1.98	101.74	130.3	0.47	0.47
Main-2	2492	200-year	91.1	191.06	192.97		193.09	0.001653	2.06	116.21	138.79	0.48	0.48
Main-2	2492	350-year	102.3	191.06	193.06		193.18	0.001686	2.14	127.85	142.6	0.49	0.49
Main-2	2492	500-year	109.7	191.06	193.11		193.23	0.0017	2.18	134.92	146.91	0.49	0.49
Main-2	2492	1000-year	124.3	191.06	193.2		193.33	0.001701	2.25	149.71	158.81	0.49	0.49
Main-2	2492	Hazel	223.9	191.06	193.72		193.86	0.001758	2.65	238.09	181.35	0.52	0.52
Main-2	2390	25-year	52.5	191.04	192.53		192.6	0.001008	1.37	77.94	114.7	0.36	0.36
Main-2	2390	50-year	64.8	191.04	192.64		192.72	0.001093	1.5	90.94	120.4	0.38	0.38
Main-2	2390	100-year	77.6	191.04	192.74		192.83	0.001173	1.62	103.38	125.86	0.4	0.4
Main-2	2390	200-year	91.1	191.04	192.84		192.94	0.001222	1.72	116.4	129.91	0.41	0.41
Main-2	2390	350-year	102.3	191.04	192.92		193.02	0.001267	1.8	126.6	134.31	0.42	0.42
Main-2	2390	500-year	109.7	191.04	192.96		193.07	0.001302	1.85	132.6	136.05	0.43	0.43
Main-2	2390	1000-year	124.3	191.04	193.06		193.17	0.001336	1.93	145.26	139.21	0.44	0.44
Main-2	2390	Hazel	223.9	191.04	193.52		193.69	0.001605	2.44	213.57	151.27	0.5	0.5
Main-2	2301	25-year	52.5	190.95	192.35		192.51	0.003008	2.28	56.68	97.82	0.62	0.62
Main-2	2301	50-year	64.8	190.95	192.45		192.63	0.00317	2.45	66.84	104.36	0.64	0.64
Main-2	2301	100-year	77.6	190.95	192.55		192.73	0.003232	2.58	77.31	112.84	0.65	0.65
Main-2	2301	200-year	91.1	190.95	192.64		192.84	0.003351	2.73	88.17	124.45	0.67	0.67
Main-2	2301	350-year	102.3	190.95	192.71		192.92	0.003424	2.83	97.57	141.2	0.68	0.68
Main-2	2301	500-year	109.7	190.95	192.76		192.97	0.003381	2.87	104.7	149.42	0.68	0.68
Main-2	2301	1000-year	124.3	190.95	192.85		193.07	0.003434	2.98	117.97	159.33	0.69	0.69
Main-2	2301	Hazel	223.9	190.95	193.4		193.59	0.00262	3.09	215.8	198.1	0.63	0.63
Main-2	2300	25-year	52.5	190.89	192.28		192.4	0.002186	1.9	62.21	101.39	0.52	0.52
Main-2	2300	50-year	64.8	190.89	192.37		192.51	0.002311	2.05	72.26	102.41	0.54	0.54
Main-2	2300	100-year	77.6	190.89	192.47		192.61	0.002425	2.18	81.76	103.54	0.56	0.56
Main-2	2300	200-year	91.1	190.89	192.56		192.71	0.002532	2.32	91.02	104.73	0.58	0.58
Main-2	2300	350-year	102.3	190.89	192.62		192.79	0.002614	2.42	98.26	106.61	0.59	0.59
Main-2	2300	500-year	109.7	190.89	192.67		192.84	0.002684	2.49	102.93	108.18	0.6	0.6
Main-2	2300	1000-year	124.3	190.89	192.75		192.94	0.002777	2.61	111.73	109.7	0.62	0.62
Main-2	2300	Hazel	223.9	190.89	193.22		193.47	0.003095	3.21	164.44	115.36	0.68	0.68
Main-2	2200	25-year	52.5	190.86	192.09		192.19	0.002562	1.9	63.16	100.2	0.55	0.55
Main-2	2200	50-year	64.8	190.86	192.17		192.3	0.002776	2.07	71.8	101.03	0.58	0.58
Main-2	2200	100-year	77.6	190.86	192.25		192.39	0.002966	2.22	80.01	101.8	0.61	0.61
Main-2	2200	200-year	91.1	190.86	192.33		192.48	0.003145	2.38	87.99	102.75	0.63	0.63

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-2	2200	350-year	102.3	190.86	192.39		192.56	0.003265	2.49	94.29	103.27	0.65	0.65
Main-2	2200	500-year	109.7	190.86	192.43		192.6	0.003324	2.55	98.44	103.69	0.65	0.65
Main-2	2200	1000-year	124.3	190.86	192.5		192.69	0.003469	2.69	105.86	104.39	0.67	0.67
Main-2	2200	Hazel	223.9	190.86	192.91		193.19	0.004238	3.45	149.28	111.52	0.77	0.77
Main-2	2100	25-year	52.5	190.62	191.77		191.92	0.004127	2.31	59.75	122.11	0.69	0.69
Main-2	2100	50-year	64.8	190.62	191.86		192.01	0.004127	2.43	70.46	123.39	0.7	0.7
Main-2	2100	100-year	77.6	190.62	191.94		192.1	0.004151	2.55	80.56	124.83	0.71	0.71
Main-2	2100	200-year	91.1	190.62	192.03		192.19	0.00407	2.63	91.32	126.23	0.71	0.71
Main-2	2100	350-year	102.3	190.62	192.08		192.25	0.004213	2.74	98.02	127.08	0.73	0.73
Main-2	2100	500-year	109.7	190.62	192.12		192.29	0.004281	2.81	102.66	127.95	0.74	0.74
Main-2	2100	1000-year	124.3	190.62	192.18		192.37	0.004422	2.94	110.83	128.62	0.76	0.76
Main-2	2100	Hazel	223.9	190.62	192.54		192.8	0.005216	3.67	157.71	134.37	0.85	0.85
Main-2	1991	25-year	52.5	190.39	191.47		191.56	0.002573	1.52	64.46	156.55	0.52	0.52
Main-2	1991	50-year	64.8	190.39	191.56		191.65	0.002538	1.61	79.13	175.75	0.53	0.53
Main-2	1991	100-year	77.6	190.39	191.65		191.74	0.002455	1.68	95.18	194.52	0.53	0.53
Main-2	1991	200-year	91.1	190.39	191.73		191.83	0.002512	1.79	110.85	197.66	0.54	0.54
Main-2	1991	350-year	102.3	190.39	191.79		191.9	0.002374	1.8	124.21	201.74	0.53	0.53
Main-2	1991	500-year	109.7	190.39	191.83		191.93	0.002413	1.85	130.74	202.63	0.54	0.54
Main-2	1991	1000-year	124.3	190.39	191.89		192	0.002424	1.92	143.53	204.05	0.54	0.54
Main-2	1991	Hazel	223.9	190.39	192.26		192.39	0.002414	2.27	220.44	211.86	0.56	0.57
Main-2	1828	25-year	52.5	189.69	190.93	190.86	191.08	0.00371	2.27	67.01	162.5	0.66	0.66
Main-2	1828	50-year	64.8	189.69	190.98	190.98	191.15	0.004238	2.49	75.62	163.49	0.71	0.71
Main-2	1828	100-year	77.6	189.69	191.02	191.02	191.22	0.004938	2.75	82.22	164.17	0.78	0.78
Main-2	1828	200-year	91.1	189.69	191.08	191.08	191.28	0.005286	2.92	90.73	164.72	0.81	0.81
Main-2	1828	350-year	102.3	189.69	191.1	191.1	191.34	0.005914	3.13	95.03	165.3	0.86	0.86
Main-2	1828	500-year	109.7	189.69	191.13	191.13	191.37	0.006012	3.2	99.7	166.3	0.87	0.87
Main-2	1828	1000-year	124.3	189.69	191.18	191.18	191.43	0.006178	3.32	108.4	167.45	0.88	0.88
Main-2	1828	Hazel	223.9	189.69	191.44	191.44	191.78	0.007758	4.16	152.21	171.17	1.02	1.02
Main-2	1696	25-year	52.5	189.28	190.2	190.16	190.34	0.007348	2.61	55.98	216.72	0.89	0.89
Main-2	1696	50-year	64.8	189.28	190.23	190.23	190.26	0.002273	1.49	123.19	218.06	0.5	0.5
Main-2	1696	100-year	77.6	189.28	190.24	190.23	190.28	0.003104	1.75	125.19	218.35	0.58	0.58
Main-2	1696	200-year	91.1	189.28	190.31	190.23	190.35	0.003005	1.8	140.35	219.22	0.58	0.58
Main-2	1696	350-year	102.3	189.28	190.35	190.23	190.4	0.003134	1.89	149.13	219.73	0.59	0.64
Main-2	1696	500-year	109.7	189.28	190.37	190.23	190.42	0.003314	1.97	153.17	219.99	0.61	0.65
Main-2	1696	1000-year	124.3	189.28	190.42	190.23	190.47	0.003438	2.07	163.98	220.88	0.63	0.68
Main-2	1696	Hazel	223.9	189.28	190.68	190.3	190.77	0.004203	2.64	223.08	223.63	0.72	0.65
Main-2	1493	25-year	52.5	188.43	189.2	189.2	189.25	0.005649	2.07	85.99	244.79	0.76	0.76
Main-2	1493	50-year	64.8	188.43	189.31	189.2	189.35	0.003799	1.86	112.92	248.07	0.64	0.64
Main-2	1493	100-year	77.6	188.43	189.2	189.2	189.31	0.012342	3.06	85.99	244.79	1.12	1.12
Main-2	1493	200-year	91.1	188.43	189.22	189.22	189.35	0.01475	3.4	90.17	245.36	1.23	1.23
Main-2	1493	350-year	102.3	188.43	189.25	189.24	189.38	0.014151	3.43	98.73	246.85	1.22	0.98
Main-2	1493	500-year	109.7	188.43	189.29	189.25	189.41	0.012595	3.33	107.76	247.76	1.16	0.98
Main-2	1493	1000-year	124.3	188.43	189.33	189.29	189.45	0.012353	3.4	117.47	248.35	1.15	0.95
Main-2	1493	Hazel	223.9	188.43	189.59	189.44	189.72	0.009925	3.62	182.51	251.7	1.08	1.49
Main-2	1358	25-year	52.5	187.29	188.21	188.12	188.37	0.005344	2.26	59.86	233.25	0.76	0.76
Main-2	1358	50-year	64.8	187.29	188.12	188.12	188.51	0.013997	3.4	44.26	188.19	1.21	1.21
Main-2	1358	100-year	77.6	187.29	188.32	188.3	188.45	0.004634	2.27	100.16	263.06	0.72	0.72
Main-2	1358	200-year	91.1	187.29	188.39	188.34	188.51	0.004196	2.26	118.9	273.15	0.7	0.7
Main-2	1358	350-year	102.3	187.29	188.43	188.37	188.55	0.004293	2.34	129.3	278.54	0.71	0.84
Main-2	1358	500-year	109.7	187.29	188.44	188.39	188.57	0.00459	2.44	132.99	279.93	0.73	0.85
Main-2	1358	1000-year	124.3	187.29	188.5	188.42	188.63	0.004547	2.5	148.23	288.22	0.74	0.89
Main-2	1358	Hazel	223.9	187.29	188.72	188.63	188.89	0.005543	3.1	212.18	295.31	0.84	0.56
Main-2	1253	25-year	52.5	186.72	187.58	187.58	187.72	0.006568	2.37	64.11	203.3	0.83	0.83
Main-2	1253	50-year	64.8	186.72	187.62	187.62	187.78	0.0073	2.59	72.93	212.28	0.88	0.88
Main-2	1253	100-year	77.6	186.72	187.68	187.68	187.84	0.006963	2.65	87.55	260.22	0.87	0.87
Main-2	1253	200-year	91.1	186.72	187.71	187.71	187.89	0.008006	2.89	95.2	278.15	0.94	0.94
Main-2	1253	350-year	102.3	186.72	187.77	187.77	187.93	0.007442	2.9	111.42	306.13	0.92	0.7
Main-2	1253	500-year	109.7	186.72	187.8	187.8	187.96	0.007056	2.88	121.27	314.56	0.9	0.41

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-2	1253	1000-year	124.3	186.72	187.83	187.83	188	0.007583	3.04	130.4	319.1	0.93	0.4
Main-2	1253	Hazel	223.9	186.72	188.13		188.27	0.005593	3.08	232.69	348.26	0.83	0.27
Main-2	1142	25-year	52.5	186.2	187.3		187.33	0.001475	1.31	130.05	301.22	0.41	0.41
Main-2	1142	50-year	64.8	186.2	187.37		187.4	0.001426	1.35	153.12	305.62	0.41	0.4
Main-2	1142	100-year	77.6	186.2	187.43		187.46	0.001503	1.43	170.5	308.1	0.42	0.43
Main-2	1142	200-year	91.1	186.2	187.48		187.52	0.001582	1.52	187.12	310.38	0.43	0.33
Main-2	1142	350-year	102.3	186.2	187.53		187.57	0.001596	1.56	201.82	311.92	0.44	0.26
Main-2	1142	500-year	109.7	186.2	187.55		187.59	0.00167	1.61	208.29	312.33	0.45	0.19
Main-2	1142	1000-year	124.3	186.2	187.6		187.64	0.001729	1.68	224.02	314.36	0.46	0.2
Main-2	1142	Hazel	223.9	186.2	187.89		187.95	0.001942	2.03	316.62	319.1	0.5	0.18
Main-2	1000	25-year	52.5	185.94	186.91	186.91	187.05	0.004658	2.17	70.33	230.91	0.71	0.71
Main-2	1000	50-year	64.8	185.94	186.93	186.93	187.11	0.006009	2.51	75.78	237.56	0.81	0.81
Main-2	1000	100-year	77.6	185.94	187	187	187.17	0.005548	2.53	92.91	252.52	0.79	0.4
Main-2	1000	200-year	91.1	185.94	187.05	187.05	187.22	0.005788	2.66	105.01	262.15	0.81	0.28
Main-2	1000	350-year	102.3	185.94	187.09	187.09	187.27	0.006088	2.78	113.97	266.08	0.84	0.23
Main-2	1000	500-year	109.7	185.94	187.12	187.12	187.29	0.005729	2.75	123.03	267.21	0.82	0.17
Main-2	1000	1000-year	124.3	185.94	187.16	187.16	187.33	0.005942	2.86	133.21	268.09	0.84	0.18
Main-2	1000	Hazel	223.9	185.94	187.33	187.33	187.59	0.008209	3.69	180.83	272.52	1.01	0.18
Main-1	5096	25-year	15.3	185.02	185.76		185.81	0.001616	1.04	18.57	51.59	0.4	0.21
Main-1	5096	50-year	15.3	185.02	185.76		185.81	0.001616	1.04	18.57	51.59	0.4	0.16
Main-1	5096	100-year	15.3	185.02	185.76		185.81	0.001616	1.04	18.57	51.59	0.4	0.13
Main-1	5096	200-year	15.3	185.02	185.76		185.81	0.001616	1.04	18.57	51.59	0.4	0.12
Main-1	5096	350-year	15.3	185.02	185.76		185.81	0.001616	1.04	18.57	51.59	0.4	0.11
Main-1	5096	500-year	15.3	185.02	185.76		185.81	0.001616	1.04	18.57	51.59	0.4	0.09
Main-1	5096	1000-year	15.3	185.02	185.76		185.81	0.001616	1.04	18.57	51.59	0.4	0.1
Main-1	5096	Hazel	15.3	185.02	185.76		185.81	0.001616	1.04	18.57	51.59	0.4	0.11
Main-1	4997	25-year	15.3	184.7	185.67		185.7	0.000641	0.82	28.6	138.5	0.27	0.11
Main-1	4997	50-year	15.3	184.7	185.67		185.7	0.000641	0.82	28.6	138.5	0.27	0.09
Main-1	4997	100-year	15.3	184.7	185.67		185.7	0.000641	0.82	28.6	138.5	0.27	0.08
Main-1	4997	200-year	15.3	184.7	185.67		185.7	0.000641	0.82	28.6	138.5	0.27	0.07
Main-1	4997	350-year	15.3	184.7	185.67		185.7	0.000641	0.82	28.6	138.5	0.27	0.06
Main-1	4997	500-year	15.3	184.7	185.67		185.7	0.000641	0.82	28.6	138.5	0.27	0.05
Main-1	4997	1000-year	15.3	184.7	185.67		185.7	0.000641	0.82	28.6	138.5	0.27	0.06
Main-1	4997	Hazel	15.3	184.7	185.67		185.7	0.000641	0.82	28.6	138.5	0.27	0.07
Main-1	4995	25-year	15.3	184.23	185.68	184.79	185.69	0.000294	0.55	29.18	121.26	0.16	0.21
Main-1	4995	50-year	15.3	184.23	185.68	184.79	185.69	0.000294	0.55	29.18	121.26	0.16	0.21
Main-1	4995	100-year	15.3	184.23	185.68	184.79	185.69	0.000294	0.55	29.18	121.26	0.16	0.2
Main-1	4995	200-year	15.3	184.23	185.68	184.79	185.69	0.000294	0.55	29.18	121.26	0.16	0.2
Main-1	4995	350-year	15.3	184.23	185.68	184.79	185.69	0.000294	0.55	29.18	121.26	0.16	0.2
Main-1	4995	500-year	15.3	184.23	185.68	184.79	185.69	0.000294	0.55	29.18	121.26	0.16	0.18
Main-1	4995	1000-year	15.3	184.23	185.68	184.79	185.69	0.000294	0.55	29.18	121.26	0.16	0.2
Main-1	4995	Hazel	15.3	184.23	185.68	184.79	185.69	0.000294	0.55	29.18	121.26	0.16	0.05
Main-1	4974		Bridge										
Main-1	4944	25-year	15.3	184.24	185.54	185.19	185.61	0.00173	1.29	16.91	214.74	0.43	0.81
Main-1	4944	50-year	15.3	184.24	185.54	185.19	185.61	0.00173	1.29	16.91	214.74	0.43	0.87
Main-1	4944	100-year	15.3	184.24	185.54	185.19	185.61	0.00173	1.29	16.91	214.74	0.43	0.89
Main-1	4944	200-year	15.3	184.24	185.54	185.19	185.61	0.00173	1.29	16.91	214.74	0.43	0.91
Main-1	4944	350-year	15.3	184.24	185.54	185.19	185.61	0.00173	1.29	16.91	214.74	0.43	0.93
Main-1	4944	500-year	15.3	184.24	185.54	185.19	185.61	0.00173	1.29	16.91	214.74	0.43	0.94
Main-1	4944	1000-year	15.3	184.24	185.54	185.19	185.61	0.00173	1.29	16.91	214.74	0.43	0.96
Main-1	4944	Hazel	15.3	184.24	185.54	185.19	185.61	0.00173	1.29	16.91	214.74	0.43	1.04
Main-1	4938	25-year	15.3	184.15	185.54	185.01	185.6	0.000944	1.11	20.59	223.37	0.33	0.4
Main-1	4938	50-year	15.3	184.15	185.54	185.01	185.6	0.000944	1.11	20.59	223.37	0.33	0.41
Main-1	4938	100-year	15.3	184.15	185.54	185.01	185.6	0.000944	1.11	20.59	223.37	0.33	0.42
Main-1	4938	200-year	15.3	184.15	185.54	185.01	185.6	0.000944	1.11	20.59	223.37	0.33	0.04
Main-1	4938	350-year	15.3	184.15	185.54	185.01	185.6	0.000944	1.11	20.59	223.37	0.33	0.04
Main-1	4938	500-year	15.3	184.15	185.54	185.01	185.6	0.000944	1.11	20.59	223.37	0.33	0.05

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-1	4938	1000-year	15.3	184.15	185.54	185.01	185.6	0.000944	1.11	20.59	223.37	0.33	0.05
Main-1	4938	Hazel	15.3	184.15	185.54	185.01	185.6	0.000944	1.11	20.59	223.37	0.33	0.08
Main-1	4809	25-year	15.3	184.5	185.23	185.07	185.37	0.004062	1.66	9.7	216.69	0.64	0.38
Main-1	4809	50-year	15.3	184.5	185.23	185.07	185.37	0.004062	1.66	9.7	216.69	0.64	0.38
Main-1	4809	100-year	15.3	184.5	185.23	185.07	185.37	0.004062	1.66	9.7	216.69	0.64	0.38
Main-1	4809	200-year	15.3	184.5	185.23	185.07	185.37	0.004062	1.66	9.7	216.69	0.64	0.34
Main-1	4809	350-year	15.3	184.5	185.23	185.07	185.37	0.004062	1.66	9.7	216.69	0.64	0.32
Main-1	4809	500-year	15.3	184.5	185.23	185.07	185.37	0.004062	1.66	9.7	216.69	0.64	0.42
Main-1	4809	1000-year	15.3	184.5	185.23	185.07	185.37	0.004062	1.66	9.7	216.69	0.64	0.38
Main-1	4809	Hazel	15.3	184.5	185.23	185.07	185.37	0.004062	1.66	9.7	216.69	0.64	0.89
Main-1	4643	25-year	15.3	184.27	185.18	184.59	185.19	0.000358	0.58	27.08	253.51	0.2	0.27
Main-1	4643	50-year	15.3	184.27	185.18	184.59	185.19	0.000358	0.58	27.08	253.51	0.2	0.32
Main-1	4643	100-year	15.3	184.27	185.18	184.59	185.19	0.000358	0.58	27.08	253.51	0.2	0.36
Main-1	4643	200-year	15.3	184.27	185.18	184.59	185.19	0.000358	0.58	27.08	253.51	0.2	0.37
Main-1	4643	350-year	15.3	184.27	185.18	184.59	185.19	0.000358	0.58	27.08	253.51	0.2	0.38
Main-1	4643	500-year	15.3	184.27	185.18	184.59	185.19	0.000358	0.58	27.08	253.51	0.2	0.04
Main-1	4643	1000-year	15.3	184.27	185.18	184.59	185.19	0.000358	0.58	27.08	253.51	0.2	0.04
Main-1	4643	Hazel	15.3	184.27	185.18	184.59	185.19	0.000358	0.58	27.08	253.51	0.2	0.07
Main-1	4548	25-year	15.3	184.25	185.1	184.82	185.14	0.001321	1.06	18.79	184.33	0.37	0.36
Main-1	4548	50-year	15.3	184.25	185.1	184.82	185.14	0.001321	1.06	18.79	184.33	0.37	0.05
Main-1	4548	100-year	15.3	184.25	185.1	184.82	185.14	0.001321	1.06	18.79	184.33	0.37	0.06
Main-1	4548	200-year	15.3	184.25	185.1	184.82	185.14	0.001321	1.06	18.79	184.33	0.37	0.06
Main-1	4548	350-year	15.3	184.25	185.1	184.82	185.14	0.001321	1.06	18.79	184.33	0.37	0.06
Main-1	4548	500-year	15.3	184.25	185.1	184.82	185.14	0.001321	1.06	18.79	184.33	0.37	0.06
Main-1	4548	1000-year	15.3	184.25	185.1	184.82	185.14	0.001321	1.06	18.79	184.33	0.37	0.06
Main-1	4548	Hazel	15.3	184.25	185.1	184.82	185.14	0.001321	1.06	18.79	184.33	0.37	0.12
Main-1	4439	25-year	15.3	183.97	184.7	184.67	184.88	0.006007	1.99	11.48	64.47	0.77	0.91
Main-1	4439	50-year	15.3	183.97	184.7	184.67	184.88	0.006007	1.99	11.48	64.47	0.77	0.97
Main-1	4439	100-year	15.3	183.97	184.7	184.67	184.88	0.006007	1.99	11.48	64.47	0.77	0.9
Main-1	4439	200-year	15.3	183.97	184.7	184.67	184.88	0.006007	1.99	11.48	64.47	0.77	0.91
Main-1	4439	350-year	15.3	183.97	184.7	184.67	184.88	0.006007	1.99	11.48	64.47	0.77	0.93
Main-1	4439	500-year	15.3	183.97	184.7	184.67	184.88	0.006007	1.99	11.48	64.47	0.77	0.94
Main-1	4439	1000-year	15.3	183.97	184.7	184.67	184.88	0.006007	1.99	11.48	64.47	0.77	0.96
Main-1	4439	Hazel	15.3	183.97	184.7	184.67	184.88	0.006007	1.99	11.48	64.47	0.77	0.49
Main-1	4345	25-year	15.3	183.45	183.93	183.93	184.14	0.010984	2.04	7.74	21.4	0.97	0.88
Main-1	4345	50-year	15.3	183.45	183.93	183.93	184.14	0.010984	2.04	7.74	21.4	0.97	0.77
Main-1	4345	100-year	15.3	183.45	183.93	183.93	184.14	0.010984	2.04	7.74	21.4	0.97	0.8
Main-1	4345	200-year	15.3	183.45	183.93	183.93	184.14	0.010984	2.04	7.74	21.4	0.97	0.76
Main-1	4345	350-year	15.3	183.45	183.93	183.93	184.14	0.010984	2.04	7.74	21.4	0.97	0.78
Main-1	4345	500-year	15.3	183.45	183.93	183.93	184.14	0.010984	2.04	7.74	21.4	0.97	0.77
Main-1	4345	1000-year	15.3	183.45	183.93	183.93	184.14	0.010984	2.04	7.74	21.4	0.97	0.77
Main-1	4345	Hazel	15.3	183.45	183.93	183.93	184.14	0.010984	2.04	7.74	21.4	0.97	0.83
Main-1	4263	25-year	15.3	182.64	183.03	183.03	183.21	0.011375	1.88	8.64	28.36	0.97	0.93
Main-1	4263	50-year	15.3	182.64	183.03	183.03	183.21	0.011375	1.88	8.64	28.36	0.97	0.97
Main-1	4263	100-year	15.3	182.64	183.03	183.03	183.21	0.011375	1.88	8.64	28.36	0.97	1
Main-1	4263	200-year	15.3	182.64	183.03	183.03	183.21	0.011375	1.88	8.64	28.36	0.97	0.78
Main-1	4263	350-year	15.3	182.64	183.03	183.03	183.21	0.011375	1.88	8.64	28.36	0.97	0.79
Main-1	4263	500-year	15.3	182.64	183.03	183.03	183.21	0.011375	1.88	8.64	28.36	0.97	0.82
Main-1	4263	1000-year	15.3	182.64	183.03	183.03	183.21	0.011375	1.88	8.64	28.36	0.97	0.81
Main-1	4263	Hazel	15.3	182.64	183.03	183.03	183.21	0.011375	1.88	8.64	28.36	0.97	0.86
Main-1	4168	25-year	15.3	182	182.45		182.49	0.002689	0.98	19.65	56.27	0.48	0.57
Main-1	4168	50-year	15.3	182	182.45		182.49	0.002689	0.98	19.65	56.27	0.48	0.59
Main-1	4168	100-year	15.3	182	182.45		182.49	0.002689	0.98	19.65	56.27	0.48	0.61
Main-1	4168	200-year	15.3	182	182.45		182.49	0.002689	0.98	19.65	56.27	0.48	0.63
Main-1	4168	350-year	15.3	182	182.45		182.49	0.002689	0.98	19.65	56.27	0.48	0.62
Main-1	4168	500-year	15.3	182	182.45		182.49	0.002689	0.98	19.65	56.27	0.48	0.61
Main-1	4168	1000-year	15.3	182	182.45		182.49	0.002689	0.98	19.65	56.27	0.48	0.62
Main-1	4168	Hazel	15.3	182	182.45		182.49	0.002689	0.98	19.65	56.27	0.48	0.74

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-1	4069	25-year	15.3	181.24	181.88	181.88	182.05	0.008334	2.17	14.1	59.93	0.89	0.96
Main-1	4069	50-year	15.3	181.24	181.88	181.88	182.05	0.008334	2.17	14.1	59.93	0.89	0.99
Main-1	4069	100-year	15.3	181.24	181.88	181.88	182.05	0.008334	2.17	14.1	59.93	0.89	0.96
Main-1	4069	200-year	15.3	181.24	181.88	181.88	182.05	0.008334	2.17	14.1	59.93	0.89	1.01
Main-1	4069	350-year	15.3	181.24	181.88	181.88	182.05	0.008334	2.17	14.1	59.93	0.89	1.04
Main-1	4069	500-year	15.3	181.24	181.88	181.88	182.05	0.008334	2.17	14.1	59.93	0.89	1.06
Main-1	4069	1000-year	15.3	181.24	181.88	181.88	182.05	0.008334	2.17	14.1	59.93	0.89	1.09
Main-1	4069	Hazel	15.3	181.24	181.88	181.88	182.05	0.008334	2.17	14.1	59.93	0.89	1.06
Main-1	4017	25-year	15.3	180.69	181.09	181.09	181.22	0.009041	1.67	12.63	53.03	0.86	0.92
Main-1	4017	50-year	15.3	180.69	181.09	181.09	181.22	0.009041	1.67	12.63	53.03	0.86	0.93
Main-1	4017	100-year	15.3	180.69	181.09	181.09	181.22	0.009041	1.67	12.63	53.03	0.86	0.99
Main-1	4017	200-year	15.3	180.69	181.09	181.09	181.22	0.009041	1.67	12.63	53.03	0.86	0.97
Main-1	4017	350-year	15.3	180.69	181.09	181.09	181.22	0.009041	1.67	12.63	53.03	0.86	0.98
Main-1	4017	500-year	15.3	180.69	181.09	181.09	181.22	0.009041	1.67	12.63	53.03	0.86	0.99
Main-1	4017	1000-year	15.3	180.69	181.09	181.09	181.22	0.009041	1.67	12.63	53.03	0.86	0.99
Main-1	4017	Hazel	15.3	180.69	181.09	181.09	181.22	0.009041	1.67	12.63	53.03	0.86	1.03
Main-1	3948	25-year	15.3	179.58	180.12		180.21	0.006482	1.63	17.1	56.89	0.75	0.85
Main-1	3948	50-year	15.3	179.58	180.12		180.21	0.006482	1.63	17.1	56.89	0.75	0.88
Main-1	3948	100-year	15.3	179.58	180.12		180.21	0.006482	1.63	17.1	56.89	0.75	0.85
Main-1	3948	200-year	15.3	179.58	180.12		180.21	0.006482	1.63	17.1	56.89	0.75	0.88
Main-1	3948	350-year	15.3	179.58	180.12		180.21	0.006482	1.63	17.1	56.89	0.75	0.88
Main-1	3948	500-year	15.3	179.58	180.12		180.21	0.006482	1.63	17.1	56.89	0.75	0.9
Main-1	3948	1000-year	15.3	179.58	180.12		180.21	0.006482	1.63	17.1	56.89	0.75	0.87
Main-1	3948	Hazel	15.3	179.58	180.12		180.21	0.006482	1.63	17.1	56.89	0.75	1.19
Main-1	3866	25-year	15.3	178.94	179.52	179.36	179.63	0.006233	1.74	17.81	72	0.76	0.9
Main-1	3866	50-year	15.3	178.94	179.52	179.36	179.63	0.006233	1.74	17.81	72	0.76	0.9
Main-1	3866	100-year	15.3	178.94	179.52	179.36	179.63	0.006233	1.74	17.81	72	0.76	0.99
Main-1	3866	200-year	15.3	178.94	179.52	179.36	179.63	0.006233	1.74	17.81	72	0.76	0.97
Main-1	3866	350-year	15.3	178.94	179.52	179.36	179.63	0.006233	1.74	17.81	72	0.76	1.02
Main-1	3866	500-year	15.3	178.94	179.52	179.36	179.63	0.006233	1.74	17.81	72	0.76	1.01
Main-1	3866	1000-year	15.3	178.94	179.52	179.36	179.63	0.006233	1.74	17.81	72	0.76	1.08
Main-1	3866	Hazel	15.3	178.94	179.52	179.36	179.63	0.006233	1.74	17.81	72	0.76	0.59
Main-1	3787	25-year	15.3	178.57	179.11		179.17	0.005461	1.57	27.09	160.93	0.7	0.7
Main-1	3787	50-year	15.3	178.57	179.11		179.17	0.005461	1.57	27.09	160.93	0.7	0.71
Main-1	3787	100-year	15.3	178.57	179.11		179.17	0.005461	1.57	27.09	160.93	0.7	0.72
Main-1	3787	200-year	15.3	178.57	179.11		179.17	0.005461	1.57	27.09	160.93	0.7	0.71
Main-1	3787	350-year	15.3	178.57	179.11		179.17	0.005461	1.57	27.09	160.93	0.7	0.69
Main-1	3787	500-year	15.3	178.57	179.11		179.17	0.005461	1.57	27.09	160.93	0.7	0.67
Main-1	3787	1000-year	15.3	178.57	179.11		179.17	0.005461	1.57	27.09	160.93	0.7	0.61
Main-1	3787	Hazel	15.3	178.57	179.11		179.17	0.005461	1.57	27.09	160.93	0.7	0.28
Main-1	3691	25-year	15.3	178.09	178.65		178.68	0.00379	1.26	24.97	89.47	0.58	0.64
Main-1	3691	50-year	15.3	178.09	178.65		178.68	0.00379	1.26	24.97	89.47	0.58	0.62
Main-1	3691	100-year	15.3	178.09	178.65		178.68	0.00379	1.26	24.97	89.47	0.58	0.6
Main-1	3691	200-year	15.3	178.09	178.65		178.68	0.00379	1.26	24.97	89.47	0.58	0.56
Main-1	3691	350-year	15.3	178.09	178.65		178.68	0.00379	1.26	24.97	89.47	0.58	0.52
Main-1	3691	500-year	15.3	178.09	178.65		178.68	0.00379	1.26	24.97	89.47	0.58	0.49
Main-1	3691	1000-year	15.3	178.09	178.65		178.68	0.00379	1.26	24.97	89.47	0.58	0.44
Main-1	3691	Hazel	15.3	178.09	178.65		178.68	0.00379	1.26	24.97	89.47	0.58	0.24
Main-1	3541	25-year	15.3	177.44	178.34		178.36	0.00182	0.78	29.24	111.6	0.39	0.33
Main-1	3541	50-year	15.3	177.44	178.34		178.36	0.00182	0.78	29.24	111.6	0.39	0.34
Main-1	3541	100-year	15.3	177.44	178.34		178.36	0.00182	0.78	29.24	111.6	0.39	0.33
Main-1	3541	200-year	15.3	177.44	178.34		178.36	0.00182	0.78	29.24	111.6	0.39	0.31
Main-1	3541	350-year	15.3	177.44	178.34		178.36	0.00182	0.78	29.24	111.6	0.39	0.29
Main-1	3541	500-year	15.3	177.44	178.34		178.36	0.00182	0.78	29.24	111.6	0.39	0.28
Main-1	3541	1000-year	15.3	177.44	178.34		178.36	0.00182	0.78	29.24	111.6	0.39	0.25
Main-1	3541	Hazel	15.3	177.44	178.34		178.36	0.00182	0.78	29.24	111.6	0.39	0.17
Main-1	3427	25-year	15.3	177.05	178.07	177.83	178.15	0.001977	1.4	19.25	47.6	0.46	0.45

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-1	3427	50-year	15.3	177.05	178.07	177.83	178.15	0.001977	1.4	19.25	47.6	0.46	0.46
Main-1	3427	100-year	15.3	177.05	178.07	177.83	178.15	0.001977	1.4	19.25	47.6	0.46	0.45
Main-1	3427	200-year	15.3	177.05	178.07	177.83	178.15	0.001977	1.4	19.25	47.6	0.46	0.41
Main-1	3427	350-year	15.3	177.05	178.07	177.83	178.15	0.001977	1.4	19.25	47.6	0.46	0.37
Main-1	3427	500-year	15.3	177.05	178.07	177.83	178.15	0.001977	1.4	19.25	47.6	0.46	0.36
Main-1	3427	1000-year	15.3	177.05	178.07	177.83	178.15	0.001977	1.4	19.25	47.6	0.46	0.33
Main-1	3427	Hazel	15.3	177.05	178.07	177.83	178.15	0.001977	1.4	19.25	47.6	0.46	0.22
Main-1	3355	25-year	15.3	176.92	177.54	177.54	177.83	0.011052	2.4	6.93	15.85	1.01	0.69
Main-1	3355	50-year	15.3	176.92	177.54	177.54	177.83	0.011052	2.4	6.93	15.85	1.01	0.67
Main-1	3355	100-year	15.3	176.92	177.54	177.54	177.83	0.011052	2.4	6.93	15.85	1.01	0.53
Main-1	3355	200-year	15.3	176.92	177.54	177.54	177.83	0.011052	2.4	6.93	15.85	1.01	0.46
Main-1	3355	350-year	15.3	176.92	177.54	177.54	177.83	0.011052	2.4	6.93	15.85	1.01	0.41
Main-1	3355	500-year	15.3	176.92	177.54	177.54	177.83	0.011052	2.4	6.93	15.85	1.01	0.39
Main-1	3355	1000-year	15.3	176.92	177.54	177.54	177.83	0.011052	2.4	6.93	15.85	1.01	0.35
Main-1	3355	Hazel	15.3	176.92	177.54	177.54	177.83	0.011052	2.4	6.93	15.85	1.01	0.25
Main-1	3277	25-year	15.3	176.68	177.64	177.04	177.65	0.000316	0.56	29.79	41.23	0.19	0.24
Main-1	3277	50-year	15.3	176.68	177.64	177.04	177.65	0.000316	0.56	29.79	41.23	0.19	0.23
Main-1	3277	100-year	15.3	176.68	177.64	177.04	177.65	0.000316	0.56	29.79	41.23	0.19	0.22
Main-1	3277	200-year	15.3	176.68	177.64	177.04	177.65	0.000316	0.56	29.79	41.23	0.19	0.21
Main-1	3277	350-year	15.3	176.68	177.64	177.04	177.65	0.000316	0.56	29.79	41.23	0.19	0.2
Main-1	3277	500-year	15.3	176.68	177.64	177.04	177.65	0.000316	0.56	29.79	41.23	0.19	0.2
Main-1	3277	1000-year	15.3	176.68	177.64	177.04	177.65	0.000316	0.56	29.79	41.23	0.19	0.19
Main-1	3277	Hazel	15.3	176.68	177.64	177.04	177.65	0.000316	0.56	29.79	41.23	0.19	0.15
Main-1	3146	25-year	15.3	176.67	177.58		177.6	0.000611	0.48	31.98	71.6	0.23	0.18
Main-1	3146	50-year	15.3	176.67	177.58		177.6	0.000611	0.48	31.98	71.6	0.23	0.17
Main-1	3146	100-year	15.3	176.67	177.58		177.6	0.000611	0.48	31.98	71.6	0.23	0.16
Main-1	3146	200-year	15.3	176.67	177.58		177.6	0.000611	0.48	31.98	71.6	0.23	0.15
Main-1	3146	350-year	15.3	176.67	177.58		177.6	0.000611	0.48	31.98	71.6	0.23	0.14
Main-1	3146	500-year	15.3	176.67	177.58		177.6	0.000611	0.48	31.98	71.6	0.23	0.14
Main-1	3146	1000-year	15.3	176.67	177.58		177.6	0.000611	0.48	31.98	71.6	0.23	0.13
Main-1	3146	Hazel	15.3	176.67	177.58		177.6	0.000611	0.48	31.98	71.6	0.23	0.11
Main-1	3048	25-year	15.3	176.67	177.53		177.55	0.000387	0.59	28.66	48.89	0.2	0.24
Main-1	3048	50-year	15.3	176.67	177.53		177.55	0.000387	0.59	28.66	48.89	0.2	0.24
Main-1	3048	100-year	15.3	176.67	177.53		177.55	0.000387	0.59	28.66	48.89	0.2	0.23
Main-1	3048	200-year	15.3	176.67	177.53		177.55	0.000387	0.59	28.66	48.89	0.2	0.22
Main-1	3048	350-year	15.3	176.67	177.53		177.55	0.000387	0.59	28.66	48.89	0.2	0.21
Main-1	3048	500-year	15.3	176.67	177.53		177.55	0.000387	0.59	28.66	48.89	0.2	0.21
Main-1	3048	1000-year	15.3	176.67	177.53		177.55	0.000387	0.59	28.66	48.89	0.2	0.2
Main-1	3048	Hazel	15.3	176.67	177.53		177.55	0.000387	0.59	28.66	48.89	0.2	0.16
Main-1	2922	25-year	15.3	176.67	177.49		177.51	0.000662	0.75	22.61	32.68	0.27	0.34
Main-1	2922	50-year	15.3	176.67	177.49		177.51	0.000662	0.75	22.61	32.68	0.27	0.34
Main-1	2922	100-year	15.3	176.67	177.49		177.51	0.000662	0.75	22.61	32.68	0.27	0.32
Main-1	2922	200-year	15.3	176.67	177.49		177.51	0.000662	0.75	22.61	32.68	0.27	0.31
Main-1	2922	350-year	15.3	176.67	177.49		177.51	0.000662	0.75	22.61	32.68	0.27	0.29
Main-1	2922	500-year	15.3	176.67	177.49		177.51	0.000662	0.75	22.61	32.68	0.27	0.28
Main-1	2922	1000-year	15.3	176.67	177.49		177.51	0.000662	0.75	22.61	32.68	0.27	0.26
Main-1	2922	Hazel	15.3	176.67	177.49		177.51	0.000662	0.75	22.61	32.68	0.27	0.17
Main-1	2921	25-year	15.3	176.67	177.41		177.46	0.001385	1.01	16.65	28.2	0.38	0.41
Main-1	2921	50-year	15.3	176.67	177.41		177.46	0.001385	1.01	16.65	28.2	0.38	0.37
Main-1	2921	100-year	15.3	176.67	177.41		177.46	0.001385	1.01	16.65	28.2	0.38	0.33
Main-1	2921	200-year	15.3	176.67	177.41		177.46	0.001385	1.01	16.65	28.2	0.38	0.3
Main-1	2921	350-year	15.3	176.67	177.41		177.46	0.001385	1.01	16.65	28.2	0.38	0.29
Main-1	2921	500-year	15.3	176.67	177.41		177.46	0.001385	1.01	16.65	28.2	0.38	0.28
Main-1	2921	1000-year	15.3	176.67	177.41		177.46	0.001385	1.01	16.65	28.2	0.38	0.26
Main-1	2921	Hazel	15.3	176.67	177.41		177.46	0.001385	1.01	16.65	28.2	0.38	0.2
Main-1	2867	25-year	15.3	176.58	177.26		177.35	0.003041	1.32	12.74	30.97	0.54	0.36
Main-1	2867	50-year	15.3	176.58	177.26		177.35	0.003041	1.32	12.74	30.97	0.54	0.32
Main-1	2867	100-year	15.3	176.58	177.26		177.35	0.003041	1.32	12.74	30.97	0.54	0.28

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-1	2867	200-year	15.3	176.58	177.26		177.35	0.003041	1.32	12.74	30.97	0.54	0.26
Main-1	2867	350-year	15.3	176.58	177.26		177.35	0.003041	1.32	12.74	30.97	0.54	0.24
Main-1	2867	500-year	15.3	176.58	177.26		177.35	0.003041	1.32	12.74	30.97	0.54	0.24
Main-1	2867	1000-year	15.3	176.58	177.26		177.35	0.003041	1.32	12.74	30.97	0.54	0.22
Main-1	2867	Hazel	15.3	176.58	177.26		177.35	0.003041	1.32	12.74	30.97	0.54	0.18
Main-1	2815	25-year	15.3	176.57	177.13		177.22	0.006512	1.56	13.09	36.5	0.67	0.47
Main-1	2815	50-year	15.3	176.57	177.13		177.22	0.006512	1.56	13.09	36.5	0.67	0.42
Main-1	2815	100-year	15.3	176.57	177.13		177.22	0.006512	1.56	13.09	36.5	0.67	0.38
Main-1	2815	200-year	15.3	176.57	177.13		177.22	0.006512	1.56	13.09	36.5	0.67	0.35
Main-1	2815	350-year	15.3	176.57	177.13		177.22	0.006512	1.56	13.09	36.5	0.67	0.34
Main-1	2815	500-year	15.3	176.57	177.13		177.22	0.006512	1.56	13.09	36.5	0.67	0.33
Main-1	2815	1000-year	15.3	176.57	177.13		177.22	0.006512	1.56	13.09	36.5	0.67	0.31
Main-1	2815	Hazel	15.3	176.57	177.13		177.22	0.006512	1.56	13.09	36.5	0.67	0.24
Main-1	2814	25-year	15.3	176.22	177.04		177.12	0.00273	1.23	13.5	31.92	0.51	0.35
Main-1	2814	50-year	15.3	176.22	177.04		177.12	0.00273	1.23	13.5	31.92	0.51	0.32
Main-1	2814	100-year	15.3	176.22	177.04		177.12	0.00273	1.23	13.5	31.92	0.51	0.28
Main-1	2814	200-year	15.3	176.22	177.04		177.12	0.00273	1.23	13.5	31.92	0.51	0.26
Main-1	2814	350-year	15.3	176.22	177.04		177.12	0.00273	1.23	13.5	31.92	0.51	0.24
Main-1	2814	500-year	15.3	176.22	177.04		177.12	0.00273	1.23	13.5	31.92	0.51	0.23
Main-1	2814	1000-year	15.3	176.22	177.04		177.12	0.00273	1.23	13.5	31.92	0.51	0.22
Main-1	2814	Hazel	15.3	176.22	177.04		177.12	0.00273	1.23	13.5	31.92	0.51	0.17
Main-1	2811	25-year	15.3	176.22	177.02	176.85	177.11	0.003077	1.32	12.45	29.92	0.54	0.35
Main-1	2811	50-year	15.3	176.22	177.02	176.85	177.11	0.003077	1.32	12.45	29.92	0.54	0.33
Main-1	2811	100-year	15.3	176.22	177.02	176.85	177.11	0.003077	1.32	12.45	29.92	0.54	0.31
Main-1	2811	200-year	15.3	176.22	177.02	176.85	177.11	0.003077	1.32	12.45	29.92	0.54	0.29
Main-1	2811	350-year	15.3	176.22	177.02	176.85	177.11	0.003077	1.32	12.45	29.92	0.54	0.29
Main-1	2811	500-year	15.3	176.22	177.02	176.85	177.11	0.003077	1.32	12.45	29.92	0.54	0.28
Main-1	2811	1000-year	15.3	176.22	177.02	176.85	177.11	0.003077	1.32	12.45	29.92	0.54	0.27
Main-1	2811	Hazel	15.3	176.22	177.02	176.85	177.11	0.003077	1.32	12.45	29.92	0.54	0.25
Main-1	2791		Culvert										
Main-1	2776	25-year	16.1	176.3	177	176.73	177.07	0.002093	1.15	14.16	22.36	0.45	0.56
Main-1	2776	50-year	16.1	176.3	177	176.73	177.07	0.002093	1.15	14.16	22.36	0.45	0.61
Main-1	2776	100-year	16.1	176.3	177	176.73	177.07	0.002093	1.15	14.16	22.36	0.45	0.65
Main-1	2776	200-year	16.1	176.3	177	176.73	177.07	0.002093	1.15	14.16	22.36	0.45	0.66
Main-1	2776	350-year	16.1	176.3	177	176.73	177.07	0.002093	1.15	14.16	22.36	0.45	0.83
Main-1	2776	500-year	16.1	176.3	177	176.73	177.07	0.002093	1.15	14.16	22.36	0.45	0.84
Main-1	2776	1000-year	16.1	176.3	177	176.73	177.07	0.002093	1.15	14.16	22.36	0.45	0.87
Main-1	2776	Hazel	16.1	176.3	177	176.73	177.07	0.002093	1.15	14.16	22.36	0.45	0.89
Main-1	2769	25-year	16.1	176.35	176.87		177.02	0.008216	1.72	9.37	21.68	0.83	0.77
Main-1	2769	50-year	16.1	176.35	176.87		177.02	0.008216	1.72	9.37	21.68	0.83	0.72
Main-1	2769	100-year	16.1	176.35	176.87		177.02	0.008216	1.72	9.37	21.68	0.83	0.69
Main-1	2769	200-year	16.1	176.35	176.87		177.02	0.008216	1.72	9.37	21.68	0.83	0.67
Main-1	2769	350-year	16.1	176.35	176.87		177.02	0.008216	1.72	9.37	21.68	0.83	0.88
Main-1	2769	500-year	16.1	176.35	176.87		177.02	0.008216	1.72	9.37	21.68	0.83	0.88
Main-1	2769	1000-year	16.1	176.35	176.87		177.02	0.008216	1.72	9.37	21.68	0.83	0.88
Main-1	2769	Hazel	16.1	176.35	176.87		177.02	0.008216	1.72	9.37	21.68	0.83	0.93
Main-1	2694	25-year	16.1	176.52	176.92		176.93	0.000508	0.39	32.25	57.18	0.2	0.27
Main-1	2694	50-year	16.1	176.52	176.92		176.93	0.000508	0.39	32.25	57.18	0.2	0.27
Main-1	2694	100-year	16.1	176.52	176.92		176.93	0.000508	0.39	32.25	57.18	0.2	0.27
Main-1	2694	200-year	16.1	176.52	176.92		176.93	0.000508	0.39	32.25	57.18	0.2	0.27
Main-1	2694	350-year	16.1	176.52	176.92		176.93	0.000508	0.39	32.25	57.18	0.2	0.5
Main-1	2694	500-year	16.1	176.52	176.92		176.93	0.000508	0.39	32.25	57.18	0.2	0.52
Main-1	2694	1000-year	16.1	176.52	176.92		176.93	0.000508	0.39	32.25	57.18	0.2	0.58
Main-1	2694	Hazel	16.1	176.52	176.92		176.93	0.000508	0.39	32.25	57.18	0.2	0.72
Main-1	2693	25-year	16.1	176.26	176.76	176.67	176.88	0.005832	1.55	11.25	65.15	0.72	0.91
Main-1	2693	50-year	16.1	176.26	176.76	176.67	176.88	0.005832	1.55	11.25	65.15	0.72	0.92
Main-1	2693	100-year	16.1	176.26	176.76	176.67	176.88	0.005832	1.55	11.25	65.15	0.72	0.94

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-1	2693	200-year	16.1	176.26	176.76	176.67	176.88	0.005832	1.55	11.25	65.15	0.72	0.94
Main-1	2693	350-year	16.1	176.26	176.76	176.67	176.88	0.005832	1.55	11.25	65.15	0.72	0.49
Main-1	2693	500-year	16.1	176.26	176.76	176.67	176.88	0.005832	1.55	11.25	65.15	0.72	0.53
Main-1	2693	1000-year	16.1	176.26	176.76	176.67	176.88	0.005832	1.55	11.25	65.15	0.72	0.6
Main-1	2693	Hazel	16.1	176.26	176.76	176.67	176.88	0.005832	1.55	11.25	65.15	0.72	0.78
Main-1	2577	25-year	16.1	175.89	176.13	176.13	176.29	0.026384	2.01	10.75	41.52	1.35	1.05
Main-1	2577	50-year	16.1	175.89	176.13	176.13	176.29	0.026384	2.01	10.75	41.52	1.35	1.1
Main-1	2577	100-year	16.1	175.89	176.13	176.13	176.29	0.026384	2.01	10.75	41.52	1.35	1.04
Main-1	2577	200-year	16.1	175.89	176.13	176.13	176.29	0.026384	2.01	10.75	41.52	1.35	1.02
Main-1	2577	350-year	16.1	175.89	176.13	176.13	176.29	0.026384	2.01	10.75	41.52	1.35	1.13
Main-1	2577	500-year	16.1	175.89	176.13	176.13	176.29	0.026384	2.01	10.75	41.52	1.35	1.12
Main-1	2577	1000-year	16.1	175.89	176.13	176.13	176.29	0.026384	2.01	10.75	41.52	1.35	0.89
Main-1	2577	Hazel	16.1	175.89	176.13	176.13	176.29	0.026384	2.01	10.75	41.52	1.35	0.91
Main-1	2576	25-year	16.1	174.96	175.66	175.28	175.68	0.000864	0.75	23.43	44.9	0.29	0.73
Main-1	2576	50-year	16.1	174.96	175.75	175.28	175.77	0.000551	0.66	27.4	48.09	0.24	0.81
Main-1	2576	100-year	16.1	174.96	175.85	175.28	175.86	0.000368	0.58	32.5	68.18	0.2	0.86
Main-1	2576	200-year	16.1	174.96	175.93	175.28	175.94	0.000272	0.53	37.77	77.62	0.17	0.9
Main-1	2576	350-year	16.1	174.96	175.93	175.28	175.94	0.000272	0.53	37.77	77.62	0.17	0.86
Main-1	2576	500-year	16.1	174.96	175.93	175.28	175.94	0.000272	0.53	37.77	77.62	0.17	0.91
Main-1	2576	1000-year	16.1	174.96	175.93	175.28	175.94	0.000272	0.53	37.77	77.62	0.17	0.78
Main-1	2576	Hazel	16.1	174.96	175.93	175.28	175.94	0.000272	0.53	37.77	77.62	0.17	0.8
Main-1	2485	25-year	16.1	174.33	175.65		175.66	0.000101	0.4	107.46	208.55	0.11	0.74
Main-1	2485	50-year	16.1	174.33	175.75		175.75	0.000066	0.34	128.76	219.77	0.09	0.71
Main-1	2485	100-year	16.1	174.33	175.85		175.85	0.000045	0.29	151.05	230.68	0.08	0.74
Main-1	2485	200-year	16.1	174.33	175.93		175.93	0.000033	0.26	169.45	233.16	0.07	0.78
Main-1	2485	350-year	16.1	174.33	175.93		175.93	0.000033	0.26	169.45	233.16	0.07	0.8
Main-1	2485	500-year	16.1	174.33	175.93		175.93	0.000033	0.26	169.45	233.16	0.07	0.82
Main-1	2485	1000-year	16.1	174.33	175.93		175.93	0.000033	0.26	169.45	233.16	0.07	0.69
Main-1	2485	Hazel	16.1	174.33	175.93		175.93	0.000033	0.26	169.45	233.16	0.07	0.48
Main-1	2386	25-year	16.1	173.74	175.65		175.65	0.000012	0.18	162.06	156.94	0.04	0.29
Main-1	2386	50-year	16.1	173.74	175.75		175.75	0.000009	0.16	177.61	159.18	0.04	0.29
Main-1	2386	100-year	16.1	173.74	175.85		175.85	0.000007	0.15	193.47	160.91	0.03	0.29
Main-1	2386	200-year	16.1	173.74	175.93		175.93	0.000006	0.14	206.26	162.61	0.03	0.29
Main-1	2386	350-year	16.1	173.74	175.93		175.93	0.000006	0.14	206.26	162.61	0.03	0.28
Main-1	2386	500-year	16.1	173.74	175.93		175.93	0.000006	0.14	206.26	162.61	0.03	0.29
Main-1	2386	1000-year	16.1	173.74	175.93		175.93	0.000006	0.14	206.26	162.61	0.03	0.28
Main-1	2386	Hazel	16.1	173.74	175.93		175.93	0.000006	0.14	206.26	162.61	0.03	0.29
Main-1	2313	25-year	16.1	173.74	175.65		175.65	0.000004	0.1	267.58	210.69	0.02	0.15
Main-1	2313	50-year	16.1	173.74	175.75		175.75	0.000003	0.09	288.45	212.66	0.02	0.15
Main-1	2313	100-year	16.1	173.74	175.85		175.85	0.000003	0.09	309.62	215.19	0.02	0.16
Main-1	2313	200-year	16.1	173.74	175.93		175.93	0.000002	0.08	326.72	217.27	0.02	0.16
Main-1	2313	350-year	16.1	173.74	175.93		175.93	0.000002	0.08	326.72	217.27	0.02	0.16
Main-1	2313	500-year	16.1	173.74	175.93		175.93	0.000002	0.08	326.72	217.27	0.02	0.17
Main-1	2313	1000-year	16.1	173.74	175.93		175.93	0.000002	0.08	326.72	217.27	0.02	0.17
Main-1	2313	Hazel	16.1	173.74	175.93		175.93	0.000002	0.08	326.72	217.27	0.02	0.18
Main-1	2229	25-year	16.1	173.74	175.65		175.65	0.000004	0.1	258.5	198.2	0.02	0.15
Main-1	2229	50-year	16.1	173.74	175.75		175.75	0.000003	0.1	278.16	200.66	0.02	0.16
Main-1	2229	100-year	16.1	173.74	175.85		175.85	0.000003	0.09	298.11	202.39	0.02	0.16
Main-1	2229	200-year	16.1	173.74	175.93		175.93	0.000002	0.09	314.18	203.32	0.02	0.17
Main-1	2229	350-year	16.1	173.74	175.93		175.93	0.000002	0.09	314.18	203.32	0.02	0.17
Main-1	2229	500-year	16.1	173.74	175.93		175.93	0.000002	0.09	314.18	203.32	0.02	0.17
Main-1	2229	1000-year	16.1	173.74	175.93		175.93	0.000002	0.09	314.18	203.32	0.02	0.17
Main-1	2229	Hazel	16.1	173.74	175.93		175.93	0.000002	0.09	314.18	203.32	0.02	0.19
Main-1	2228	25-year	16.1	173.74	175.65		175.65	0.000003	0.09	265.45	185.94	0.02	0.13
Main-1	2228	50-year	16.1	173.74	175.75		175.75	0.000003	0.08	283.85	187.03	0.02	0.14
Main-1	2228	100-year	16.1	173.74	175.85		175.85	0.000002	0.08	302.43	188.55	0.02	0.14
Main-1	2228	200-year	16.1	173.74	175.93		175.93	0.000002	0.08	317.43	190.19	0.02	0.14
Main-1	2228	350-year	16.1	173.74	175.93		175.93	0.000002	0.08	317.43	190.19	0.02	0.15

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-1	2228	500-year	16.1	173.74	175.93		175.93	0.000002	0.08	317.43	190.19	0.02	0.15
Main-1	2228	1000-year	16.1	173.74	175.93		175.93	0.000002	0.08	317.43	190.19	0.02	0.15
Main-1	2228	Hazel	16.1	173.74	175.93		175.93	0.000002	0.08	317.43	190.19	0.02	0.17
Main-1	2053	25-year	16.1	173.74	175.65		175.65	0.000003	0.08	278.22	201.27	0.02	0.13
Main-1	2053	50-year	16.1	173.74	175.75		175.75	0.000002	0.08	298.13	202.09	0.02	0.13
Main-1	2053	100-year	16.1	173.74	175.85		175.85	0.000002	0.07	318.2	202.95	0.02	0.14
Main-1	2053	200-year	16.1	173.74	175.93		175.93	0.000002	0.07	334.3	203.62	0.02	0.14
Main-1	2053	350-year	16.1	173.74	175.93		175.93	0.000002	0.07	334.3	203.62	0.02	0.14
Main-1	2053	500-year	16.1	173.74	175.93		175.93	0.000002	0.07	334.3	203.62	0.02	0.14
Main-1	2053	1000-year	16.1	173.74	175.93		175.93	0.000002	0.07	334.3	203.62	0.02	0.15
Main-1	2053	Hazel	16.1	173.74	175.93		175.93	0.000002	0.07	334.3	203.62	0.02	0.16
Main-1	2052	25-year	16.1	173.74	175.65		175.65	0.000003	0.09	264.41	180.92	0.02	0.13
Main-1	2052	50-year	16.1	173.74	175.75		175.75	0.000002	0.08	282.32	181.63	0.02	0.14
Main-1	2052	100-year	16.1	173.74	175.85		175.85	0.000002	0.08	300.35	182.33	0.02	0.14
Main-1	2052	200-year	16.1	173.74	175.93		175.93	0.000002	0.07	314.82	182.89	0.02	0.14
Main-1	2052	350-year	16.1	173.74	175.93		175.93	0.000002	0.07	314.82	182.89	0.02	0.15
Main-1	2052	500-year	16.1	173.74	175.93		175.93	0.000002	0.07	314.82	182.89	0.02	0.15
Main-1	2052	1000-year	16.1	173.74	175.93		175.93	0.000002	0.07	314.82	182.89	0.02	0.15
Main-1	2052	Hazel	16.1	173.74	175.93		175.93	0.000002	0.07	314.82	182.89	0.02	0.17
Main-1	1990	25-year	16.1	173.74	175.65		175.65	0.000004	0.1	236.53	168.67	0.02	0.15
Main-1	1990	50-year	16.1	173.74	175.75		175.75	0.000003	0.09	253.53	174.48	0.02	0.16
Main-1	1990	100-year	16.1	173.74	175.85		175.85	0.000002	0.09	271	177.77	0.02	0.16
Main-1	1990	200-year	16.1	173.74	175.93		175.93	0.000002	0.08	285.21	180.95	0.02	0.17
Main-1	1990	350-year	16.1	173.74	175.93		175.93	0.000002	0.08	285.21	180.95	0.02	0.17
Main-1	1990	500-year	16.1	173.74	175.93		175.93	0.000002	0.08	285.21	180.95	0.02	0.17
Main-1	1990	1000-year	16.1	173.74	175.93		175.93	0.000002	0.08	285.21	180.95	0.02	0.17
Main-1	1990	Hazel	16.1	173.74	175.93		175.93	0.000002	0.08	285.21	180.95	0.02	0.2
Main-1	1891	25-year	16.1	173.74	175.65		175.65	0.000004	0.1	219.18	200.53	0.02	0.17
Main-1	1891	50-year	16.1	173.74	175.75		175.75	0.000003	0.1	239.42	208.91	0.02	0.17
Main-1	1891	100-year	16.1	173.74	175.85		175.85	0.000003	0.09	260.3	212.48	0.02	0.18
Main-1	1891	200-year	16.1	173.74	175.93		175.93	0.000002	0.09	277.2	213.79	0.02	0.18
Main-1	1891	350-year	16.1	173.74	175.93		175.93	0.000002	0.09	277.2	213.79	0.02	0.18
Main-1	1891	500-year	16.1	173.74	175.93		175.93	0.000002	0.09	277.2	213.79	0.02	0.19
Main-1	1891	1000-year	16.1	173.74	175.93		175.93	0.000002	0.09	277.2	213.79	0.02	0.19
Main-1	1891	Hazel	16.1	173.74	175.93		175.93	0.000002	0.09	277.2	213.79	0.02	0.2
Main-1	1792	25-year	16.1	173.74	175.65	173.96	175.65	0.000004	0.1	174.75	180.49	0.02	0.17
Main-1	1792	50-year	16.1	173.74	175.75	173.96	175.75	0.000003	0.1	186.59	187.54	0.02	0.18
Main-1	1792	100-year	16.1	173.74	175.85	173.96	175.85	0.000003	0.09	198.63	193.66	0.02	0.18
Main-1	1792	200-year	16.1	173.74	175.93	173.96	175.93	0.000002	0.09	208.46	197.07	0.02	0.19
Main-1	1792	350-year	16.1	173.74	175.93	173.96	175.93	0.000002	0.09	208.46	197.07	0.02	0.19
Main-1	1792	500-year	16.1	173.74	175.93	173.96	175.93	0.000002	0.09	208.46	197.07	0.02	0.19
Main-1	1792	1000-year	16.1	173.74	175.93	173.96	175.93	0.000002	0.09	208.46	197.07	0.02	0.2
Main-1	1792	Hazel	16.1	173.74	175.93	173.96	175.93	0.000002	0.09	208.46	197.07	0.02	0.22
Main-1	1693	25-year	16.1	173.74	175.65		175.65	0.000002	0.08	270.34	182.07	0.02	0.13
Main-1	1693	50-year	16.1	173.74	175.75		175.75	0.000002	0.07	288.44	183.47	0.02	0.13
Main-1	1693	100-year	16.1	173.74	175.85		175.85	0.000002	0.07	306.73	184.88	0.02	0.14
Main-1	1693	200-year	16.1	173.74	175.93		175.93	0.000001	0.07	321.44	185.59	0.01	0.14
Main-1	1693	350-year	16.1	173.74	175.93		175.93	0.000001	0.07	321.44	185.59	0.01	0.14
Main-1	1693	500-year	16.1	173.74	175.93		175.93	0.000001	0.07	321.44	185.59	0.01	0.15
Main-1	1693	1000-year	16.1	173.74	175.93		175.93	0.000001	0.07	321.44	185.59	0.01	0.15
Main-1	1693	Hazel	16.1	173.74	175.93		175.93	0.000001	0.07	321.44	185.59	0.01	0.17
Main-1	1610	25-year	16.1	173.74	175.65		175.65	0.000002	0.08	321.61	241.63	0.02	0.13
Main-1	1610	50-year	16.1	173.74	175.75		175.75	0.000002	0.07	345.62	242.85	0.02	0.14
Main-1	1610	100-year	16.1	173.74	175.85		175.85	0.000002	0.07	369.79	243.88	0.01	0.14
Main-1	1610	200-year	16.1	173.74	175.93		175.93	0.000001	0.06	389.2	244.97	0.01	0.14
Main-1	1610	350-year	16.1	173.74	175.93		175.93	0.000001	0.06	389.2	244.97	0.01	0.15
Main-1	1610	500-year	16.1	173.74	175.93		175.93	0.000001	0.06	389.2	244.97	0.01	0.15
Main-1	1610	1000-year	16.1	173.74	175.93		175.93	0.000001	0.06	389.2	244.97	0.01	0.15

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
Main-1	1610	Hazel	16.1	173.74	175.93		175.93	0.000001	0.06	389.2	244.97	0.01	0.16
Main-1	1513	25-year	16.1	173.74	175.65		175.65	0.000002	0.07	344.13	287.75	0.02	0.12
Main-1	1513	50-year	16.1	173.74	175.75		175.75	0.000002	0.07	373.31	302.07	0.02	0.13
Main-1	1513	100-year	16.1	173.74	175.85		175.85	0.000001	0.06	403.7	308.29	0.01	0.13
Main-1	1513	200-year	16.1	173.74	175.93		175.93	0.000001	0.06	428.28	310.57	0.01	0.13
Main-1	1513	350-year	16.1	173.74	175.93		175.93	0.000001	0.06	428.28	310.57	0.01	0.14
Main-1	1513	500-year	16.1	173.74	175.93		175.93	0.000001	0.06	428.28	310.57	0.01	0.14
Main-1	1513	1000-year	16.1	173.74	175.93		175.93	0.000001	0.06	428.28	310.57	0.01	0.14
Main-1	1513	Hazel	16.1	173.74	175.93		175.93	0.000001	0.06	428.28	310.57	0.01	0.15
Main-1	1397	25-year	16.1	173.74	175.65		175.65	0.000002	0.08	367.02	290.66	0.02	0.14
Main-1	1397	50-year	16.1	173.74	175.75		175.75	0.000002	0.07	395.94	292.6	0.02	0.14
Main-1	1397	100-year	16.1	173.74	175.85		175.85	0.000001	0.07	425.37	302.14	0.01	0.15
Main-1	1397	200-year	16.1	173.74	175.93		175.93	0.000001	0.06	450.51	331.59	0.01	0.15
Main-1	1397	350-year	16.1	173.74	175.93		175.93	0.000001	0.06	450.51	331.59	0.01	0.15
Main-1	1397	500-year	16.1	173.74	175.93		175.93	0.000001	0.06	450.51	331.59	0.01	0.15
Main-1	1397	1000-year	16.1	173.74	175.93		175.93	0.000001	0.06	450.51	331.59	0.01	0.15
Main-1	1397	Hazel	16.1	173.74	175.93		175.93	0.000001	0.06	450.51	331.59	0.01	0.16
Main-1	1396	25-year	16.1	173.74	175.65		175.65	0.000002	0.07	315.5	212.53	0.02	0.12
Main-1	1396	50-year	16.1	173.74	175.75		175.75	0.000002	0.07	336.7	214.8	0.02	0.13
Main-1	1396	100-year	16.1	173.74	175.85		175.85	0.000001	0.06	358.15	217.27	0.01	0.13
Main-1	1396	200-year	16.1	173.74	175.93		175.93	0.000001	0.06	375.46	218.15	0.01	0.13
Main-1	1396	350-year	16.1	173.74	175.93		175.93	0.000001	0.06	375.46	218.15	0.01	0.14
Main-1	1396	500-year	16.1	173.74	175.93		175.93	0.000001	0.06	375.46	218.15	0.01	0.14
Main-1	1396	1000-year	16.1	173.74	175.93		175.93	0.000001	0.06	375.46	218.15	0.01	0.14
Main-1	1396	Hazel	16.1	173.74	175.93		175.93	0.000001	0.06	375.46	218.15	0.01	0.16
Main-1	1297	25-year	16.1	173.74	175.65		175.65	0.000003	0.09	267.69	193.75	0.02	0.15
Main-1	1297	50-year	16.1	173.74	175.75		175.75	0.000002	0.08	287.08	196.94	0.02	0.16
Main-1	1297	100-year	16.1	173.74	175.85		175.85	0.000002	0.08	306.88	200.75	0.02	0.17
Main-1	1297	200-year	16.1	173.74	175.93		175.93	0.000002	0.07	322.99	205.62	0.02	0.17
Main-1	1297	350-year	16.1	173.74	175.93		175.93	0.000002	0.07	322.99	205.62	0.02	0.18
Main-1	1297	500-year	16.1	173.74	175.93		175.93	0.000002	0.07	322.99	205.62	0.02	0.18
Main-1	1297	1000-year	16.1	173.74	175.93		175.93	0.000002	0.07	322.99	205.62	0.02	0.18
Main-1	1297	Hazel	16.1	173.74	175.93		175.93	0.000002	0.07	322.99	205.62	0.02	0.2
Main-1	1175	25-year	16.1	173.74	175.65		175.65	0.000007	0.14	198.16	236.05	0.03	0.33
Main-1	1175	50-year	16.1	173.74	175.75		175.75	0.000006	0.13	223.11	266.56	0.03	0.34
Main-1	1175	100-year	16.1	173.74	175.84		175.85	0.000005	0.12	251.19	292.19	0.03	0.34
Main-1	1175	200-year	16.1	173.74	175.92		175.93	0.000004	0.11	274.82	301.57	0.02	0.34
Main-1	1175	350-year	16.1	173.74	175.92		175.93	0.000004	0.11	274.82	301.57	0.02	0.35
Main-1	1175	500-year	16.1	173.74	175.92		175.93	0.000004	0.11	274.82	301.57	0.02	0.35
Main-1	1175	1000-year	16.1	173.74	175.92		175.93	0.000004	0.11	274.82	301.57	0.02	0.34
Main-1	1175	Hazel	16.1	173.74	175.92		175.93	0.000004	0.11	274.82	301.57	0.02	0.34
Main-1	1043	25-year	16.1	173.73	175.64	173.98	175.65	0.00001	0.16	171.08	341.94	0.04	1
Main-1	1043	50-year	16.1	173.73	175.74	173.98	175.75	0.000008	0.15	208.09	398.84	0.03	0.99
Main-1	1043	100-year	16.1	173.73	175.84	173.98	175.84	0.000006	0.13	250.7	457.88	0.03	0.99
Main-1	1043	200-year	16.1	173.73	175.92	173.98	175.92	0.000005	0.13	290.48	522.95	0.03	0.98
Main-1	1043	350-year	16.1	173.73	175.92	173.98	175.92	0.000005	0.13	290.48	522.95	0.03	0.99
Main-1	1043	500-year	16.1	173.73	175.92	173.98	175.92	0.000005	0.13	290.48	522.95	0.03	0.98
Main-1	1043	1000-year	16.1	173.73	175.92	173.98	175.92	0.000005	0.13	290.48	522.95	0.03	1.02
Main-1	1043	Hazel	16.1	173.73	175.92	173.98	175.92	0.000005	0.13	290.48	522.95	0.03	0.9

Project Name: Nanticoke Creek FHM
Project No.: 68044
River: Nanticoke Creek

B-1 HEC-RAS Hydraulic Output Summary
Model Scenario: Scenario B - Max Mean Month TW + AEP Q

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-3	8113	25-year	18.5	218.63	219.77		219.92	0.00427	1.91	12.79	18.19	0.67
Nanticoke Creek	Main-3	8113	50-year	24	218.63	219.87		220.07	0.004781	2.18	14.63	18.24	0.72
Nanticoke Creek	Main-3	8113	100-year	29.8	218.63	219.96		220.21	0.005311	2.44	16.3	18.27	0.77
Nanticoke Creek	Main-3	8113	200-year	36.1	218.63	220.04		220.35	0.005875	2.71	17.87	18.3	0.82
Nanticoke Creek	Main-3	8113	350-year	41.4	218.63	220.1		220.46	0.00644	2.94	18.96	18.31	0.86
Nanticoke Creek	Main-3	8113	500-year	45	218.63	220.14	220.03	220.54	0.006846	3.09	19.62	18.32	0.9
Nanticoke Creek	Main-3	8113	1000-year	52.1	218.63	220.2	220.12	220.68	0.007704	3.39	20.77	18.34	0.96
Nanticoke Creek	Main-3	8113	Hazel	147.9	218.63	221.2	221.2	222.33	0.008599	5.26	39.22	18.6	1.12
Nanticoke Creek	Main-3	8000	25-year	18.5	218.66	219.6		219.65	0.001395	1.1	26.01	44.21	0.39
Nanticoke Creek	Main-3	8000	50-year	24	218.66	219.7		219.76	0.001467	1.23	30.85	45.08	0.4
Nanticoke Creek	Main-3	8000	100-year	29.8	218.66	219.8		219.87	0.001567	1.35	35.31	47.68	0.42
Nanticoke Creek	Main-3	8000	200-year	36.1	218.66	219.9		219.98	0.001641	1.47	40.19	50.18	0.44
Nanticoke Creek	Main-3	8000	350-year	41.4	218.66	219.98		220.07	0.001684	1.56	44.02	51.09	0.45
Nanticoke Creek	Main-3	8000	500-year	45	218.66	220.02		220.12	0.001708	1.61	46.55	51.62	0.46
Nanticoke Creek	Main-3	8000	1000-year	52.1	218.66	220.12		220.22	0.001748	1.71	51.37	52.66	0.47
Nanticoke Creek	Main-3	8000	Hazel	147.9	218.66	220.99		221.23	0.002173	2.65	104.37	71.59	0.57
Nanticoke Creek	Main-3	7988	25-year	18.5	218.59	219.4		219.46	0.002888	1.4	24.9	62.28	0.54
Nanticoke Creek	Main-3	7988	50-year	24	218.59	219.51		219.57	0.002759	1.51	31.78	64.49	0.54
Nanticoke Creek	Main-3	7988	100-year	29.8	218.59	219.61		219.68	0.002562	1.58	38.7	65.75	0.53
Nanticoke Creek	Main-3	7988	200-year	36.1	218.59	219.71		219.79	0.002442	1.66	45.56	67.37	0.52
Nanticoke Creek	Main-3	7988	350-year	41.4	218.59	219.79		219.87	0.002361	1.71	50.96	68.26	0.52
Nanticoke Creek	Main-3	7988	500-year	45	218.59	219.85		219.93	0.002308	1.75	54.53	68.83	0.52
Nanticoke Creek	Main-3	7988	1000-year	52.1	218.59	219.94		220.03	0.002212	1.81	61.36	69.78	0.52
Nanticoke Creek	Main-3	7988	Hazel	147.9	218.59	220.85		221	0.002149	2.56	129.36	84.08	0.56
Nanticoke Creek	Main-3	7872	25-year	18.5	218.12	219.34		219.35	0.000404	0.6	73.47	116.53	0.2
Nanticoke Creek	Main-3	7872	50-year	24	218.12	219.46		219.46	0.000407	0.65	86.76	118.15	0.21
Nanticoke Creek	Main-3	7872	100-year	29.8	218.12	219.57		219.58	0.000407	0.7	99.87	120.04	0.21
Nanticoke Creek	Main-3	7872	200-year	36.1	218.12	219.67		219.68	0.000412	0.75	112.69	121.78	0.22
Nanticoke Creek	Main-3	7872	350-year	41.4	218.12	219.75		219.77	0.000416	0.78	122.7	122.69	0.22
Nanticoke Creek	Main-3	7872	500-year	45	218.12	219.81		219.82	0.000417	0.8	129.3	123.15	0.22
Nanticoke Creek	Main-3	7872	1000-year	52.1	218.12	219.91		219.92	0.000422	0.85	141.82	125.08	0.23
Nanticoke Creek	Main-3	7872	Hazel	147.9	218.12	220.84		220.87	0.000502	1.29	263.36	135.86	0.27
Nanticoke Creek	Main-3	7728	25-year	18.5	218.14	219.29		219.3	0.000743	0.75	58.91	105.39	0.27
Nanticoke Creek	Main-3	7728	50-year	24	218.14	219.4		219.41	0.000696	0.78	71.14	106.07	0.27
Nanticoke Creek	Main-3	7728	100-year	29.8	218.14	219.51		219.53	0.000662	0.81	83.06	106.8	0.26
Nanticoke Creek	Main-3	7728	200-year	36.1	218.14	219.62		219.63	0.000652	0.84	94.42	108.03	0.27
Nanticoke Creek	Main-3	7728	350-year	41.4	218.14	219.7		219.72	0.000648	0.87	103.32	108.97	0.27
Nanticoke Creek	Main-3	7728	500-year	45	218.14	219.76		219.77	0.000652	0.89	109.18	110.54	0.27
Nanticoke Creek	Main-3	7728	1000-year	52.1	218.14	219.86		219.87	0.000649	0.94	120.4	112.63	0.27
Nanticoke Creek	Main-3	7728	Hazel	147.9	218.14	220.78		220.81	0.000711	1.43	236.91	136.33	0.31
Nanticoke Creek	Main-3	7600	25-year	18.5	218.03	219.25		219.26	0.000417	0.7	53.35	60.84	0.22
Nanticoke Creek	Main-3	7600	50-year	24	218.03	219.36		219.37	0.000488	0.8	60.13	62.39	0.24
Nanticoke Creek	Main-3	7600	100-year	29.8	218.03	219.46		219.48	0.000574	0.92	66.91	66.48	0.26
Nanticoke Creek	Main-3	7600	200-year	36.1	218.03	219.56		219.59	0.000637	1.02	73.66	68.22	0.28
Nanticoke Creek	Main-3	7600	350-year	41.4	218.03	219.64		219.67	0.000677	1.1	79.04	68.89	0.29
Nanticoke Creek	Main-3	7600	500-year	45	218.03	219.69		219.72	0.00071	1.15	82.53	70.19	0.3
Nanticoke Creek	Main-3	7600	1000-year	52.1	218.03	219.79		219.82	0.000752	1.23	89.36	71.24	0.31
Nanticoke Creek	Main-3	7600	Hazel	147.9	218.03	220.65		220.74	0.001203	2.08	155.64	81.73	0.42
Nanticoke Creek	Main-3	7500	25-year	18.5	218.09	219.16		219.19	0.001208	1.04	45.42	111.85	0.36
Nanticoke Creek	Main-3	7500	50-year	24	218.09	219.27		219.3	0.001058	1.05	58.2	113.57	0.34

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-3	7500	100-year	29.8	218.09	219.38		219.41	0.000985	1.09	70.32	118.46	0.33
Nanticoke Creek	Main-3	7500	200-year	36.1	218.09	219.48		219.51	0.000933	1.12	82.65	123.05	0.33
Nanticoke Creek	Main-3	7500	350-year	41.4	218.09	219.56		219.59	0.000894	1.15	92.64	125.98	0.33
Nanticoke Creek	Main-3	7500	500-year	45	218.09	219.61		219.64	0.000873	1.17	99.04	127.24	0.33
Nanticoke Creek	Main-3	7500	1000-year	52.1	218.09	219.71		219.74	0.00083	1.19	111.8	130.14	0.32
Nanticoke Creek	Main-3	7500	Hazel	147.9	218.09	220.58		220.63	0.000788	1.61	236.85	155.7	0.34
Nanticoke Creek	Main-3	7260	25-year	18.5	218.01	219.12		219.12	0.000329	0.59	75.63	113.41	0.19
Nanticoke Creek	Main-3	7260	50-year	24	218.01	219.23		219.24	0.000343	0.65	88.66	115.21	0.2
Nanticoke Creek	Main-3	7260	100-year	29.8	218.01	219.33		219.34	0.000358	0.7	100.86	116.85	0.2
Nanticoke Creek	Main-3	7260	200-year	36.1	218.01	219.44		219.45	0.000374	0.76	112.84	118.46	0.21
Nanticoke Creek	Main-3	7260	350-year	41.4	218.01	219.52		219.53	0.000383	0.8	122.36	119.15	0.22
Nanticoke Creek	Main-3	7260	500-year	45	218.01	219.57		219.58	0.000391	0.83	128.37	119.88	0.22
Nanticoke Creek	Main-3	7260	1000-year	52.1	218.01	219.67		219.68	0.000401	0.87	140.34	121.62	0.22
Nanticoke Creek	Main-3	7260	Hazel	147.9	218.01	220.53		220.56	0.000566	1.4	250.41	135.06	0.29
Nanticoke Creek	Main-3	7259	25-year	18.5	217.98	219.07		219.08	0.000487	0.73	76.75	164.23	0.23
Nanticoke Creek	Main-3	7259	50-year	24	217.98	219.18		219.19	0.000478	0.77	96.76	188.77	0.23
Nanticoke Creek	Main-3	7259	100-year	29.8	217.98	219.29		219.3	0.00043	0.78	117.81	197.66	0.22
Nanticoke Creek	Main-3	7259	200-year	36.1	217.98	219.4		219.4	0.000397	0.79	138.71	203.89	0.22
Nanticoke Creek	Main-3	7259	350-year	41.4	217.98	219.48		219.49	0.000381	0.81	155.51	209.76	0.22
Nanticoke Creek	Main-3	7259	500-year	45	217.98	219.53		219.54	0.000371	0.81	166.31	212.28	0.21
Nanticoke Creek	Main-3	7259	1000-year	52.1	217.98	219.63		219.64	0.000354	0.83	188.05	220.45	0.21
Nanticoke Creek	Main-3	7259	Hazel	147.9	217.98	220.5		220.51	0.000305	1.04	441.37	352.12	0.21
Nanticoke Creek	Main-3	7205	25-year	18.5	217.9	219.03		219.04	0.000384	0.66	78.35	141.45	0.21
Nanticoke Creek	Main-3	7205	50-year	24	217.9	219.14		219.15	0.000374	0.69	95.08	147.65	0.21
Nanticoke Creek	Main-3	7205	100-year	29.8	217.9	219.25		219.26	0.000368	0.73	111.58	153.32	0.21
Nanticoke Creek	Main-3	7205	200-year	36.1	217.9	219.36		219.37	0.000366	0.77	128.03	159	0.21
Nanticoke Creek	Main-3	7205	350-year	41.4	217.9	219.44		219.45	0.000361	0.79	141.16	160.8	0.21
Nanticoke Creek	Main-3	7205	500-year	45	217.9	219.49		219.5	0.000362	0.81	149.47	163.57	0.21
Nanticoke Creek	Main-3	7205	1000-year	52.1	217.9	219.59		219.6	0.000358	0.85	166.3	168.65	0.21
Nanticoke Creek	Main-3	7205	Hazel	147.9	217.9	220.46		220.48	0.000424	1.23	330.55	216.98	0.25
Nanticoke Creek	Main-3	7066	25-year	18.5	217.81	219		219	0.000137	0.39	127.37	183.82	0.12
Nanticoke Creek	Main-3	7066	50-year	24	217.81	219.12		219.12	0.000142	0.42	148.81	187.79	0.13
Nanticoke Creek	Main-3	7066	100-year	29.8	217.81	219.23		219.23	0.000153	0.47	170.65	208.09	0.13
Nanticoke Creek	Main-3	7066	200-year	36.1	217.81	219.33		219.33	0.000157	0.5	192.87	215.45	0.14
Nanticoke Creek	Main-3	7066	350-year	41.4	217.81	219.41		219.42	0.000159	0.52	210.84	220.62	0.14
Nanticoke Creek	Main-3	7066	500-year	45	217.81	219.46		219.47	0.000161	0.54	222.19	223.9	0.14
Nanticoke Creek	Main-3	7066	1000-year	52.1	217.81	219.57		219.57	0.000161	0.56	245.14	227.73	0.14
Nanticoke Creek	Main-3	7066	Hazel	147.9	217.81	220.43		220.44	0.000207	0.86	463.39	308.59	0.18
Nanticoke Creek	Main-3	6877	25-year	18.5	217.79	218.98		218.99	0.000106	0.35	129.55	177.38	0.11
Nanticoke Creek	Main-3	6877	50-year	24	217.79	219.1		219.1	0.000114	0.39	150.01	179.76	0.12
Nanticoke Creek	Main-3	6877	100-year	29.8	217.79	219.21		219.21	0.000121	0.43	171.48	238.47	0.12
Nanticoke Creek	Main-3	6877	200-year	36.1	217.79	219.31		219.31	0.000125	0.46	198.48	273.88	0.12
Nanticoke Creek	Main-3	6877	350-year	41.4	217.79	219.39		219.4	0.000128	0.48	221.37	286.4	0.13
Nanticoke Creek	Main-3	6877	500-year	45	217.79	219.44		219.45	0.00013	0.5	236.17	294.16	0.13
Nanticoke Creek	Main-3	6877	1000-year	52.1	217.79	219.55		219.55	0.000136	0.53	266.35	300.74	0.13
Nanticoke Creek	Main-3	6877	Hazel	147.9	217.79	220.41		220.41	0.000146	0.73	545.54	343.29	0.15
Nanticoke Creek	Main-3	6705	25-year	27.3	217.73	218.93		218.94	0.000459	0.73	89.75	109.32	0.23
Nanticoke Creek	Main-3	6705	50-year	34.9	217.73	219.04		219.05	0.000503	0.81	101.78	110.27	0.24
Nanticoke Creek	Main-3	6705	100-year	42.9	217.73	219.14		219.16	0.000543	0.89	113.13	110.9	0.25
Nanticoke Creek	Main-3	6705	200-year	51.5	217.73	219.24		219.26	0.00058	0.97	124.29	111.41	0.26
Nanticoke Creek	Main-3	6705	350-year	58.8	217.73	219.32		219.34	0.000608	1.03	133.08	112.04	0.27
Nanticoke Creek	Main-3	6705	500-year	63.5	217.73	219.37		219.39	0.000623	1.07	138.61	112.41	0.28
Nanticoke Creek	Main-3	6705	1000-year	73.2	217.73	219.47		219.49	0.000652	1.14	149.45	112.96	0.29
Nanticoke Creek	Main-3	6705	Hazel	189.3	217.73	220.3		220.35	0.000903	1.77	245.21	117.64	0.36
Nanticoke Creek	Main-3	6578	25-year	27.3	217.7	218.88		218.9	0.000684	0.81	80.59	116.42	0.27
Nanticoke Creek	Main-3	6578	50-year	34.9	217.7	218.99		219	0.000721	0.9	92.98	118.07	0.28
Nanticoke Creek	Main-3	6578	100-year	42.9	217.7	219.09		219.1	0.000754	0.97	104.78	119.55	0.29
Nanticoke Creek	Main-3	6578	200-year	51.5	217.7	219.19		219.2	0.00078	1.05	116.48	120.38	0.3

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-3	6578	350-year	58.8	217.7	219.26		219.28	0.000801	1.1	125.74	121.96	0.31
Nanticoke Creek	Main-3	6578	500-year	63.5	217.7	219.31		219.33	0.000815	1.14	131.61	122.49	0.31
Nanticoke Creek	Main-3	6578	1000-year	73.2	217.7	219.41		219.43	0.000834	1.21	143.21	123.79	0.32
Nanticoke Creek	Main-3	6578	Hazel	189.3	217.7	220.22		220.27	0.001039	1.81	251.96	141.48	0.38
Nanticoke Creek	Main-3	6400	25-year	27.3	217.64	218.7		218.73	0.001895	1.29	50.98	95.52	0.44
Nanticoke Creek	Main-3	6400	50-year	34.9	217.64	218.8		218.84	0.001858	1.38	60.91	99.03	0.45
Nanticoke Creek	Main-3	6400	100-year	42.9	217.64	218.9		218.94	0.001791	1.44	70.76	102.39	0.45
Nanticoke Creek	Main-3	6400	200-year	51.5	217.64	218.99		219.04	0.001737	1.51	80.75	104.64	0.45
Nanticoke Creek	Main-3	6400	350-year	58.8	217.64	219.07		219.12	0.0017	1.55	88.89	107.03	0.45
Nanticoke Creek	Main-3	6400	500-year	63.5	217.64	219.12		219.17	0.00168	1.58	93.92	107.85	0.45
Nanticoke Creek	Main-3	6400	1000-year	73.2	217.64	219.21		219.26	0.00165	1.64	103.89	110.42	0.45
Nanticoke Creek	Main-3	6400	Hazel	189.3	217.64	220		220.08	0.001566	2.17	200.91	136.76	0.47
Nanticoke Creek	Main-3	6300	25-year	27.3	217.58	218.61		218.63	0.000845	0.89	87.17	169.41	0.3
Nanticoke Creek	Main-3	6300	50-year	34.9	217.58	218.73		218.74	0.000753	0.91	106.53	174.47	0.29
Nanticoke Creek	Main-3	6300	100-year	42.9	217.58	218.83		218.84	0.000694	0.93	125.35	179.97	0.28
Nanticoke Creek	Main-3	6300	200-year	51.5	217.58	218.94		218.95	0.000659	0.96	144.08	185.77	0.28
Nanticoke Creek	Main-3	6300	350-year	58.8	217.58	219.02		219.03	0.000634	0.98	159.24	188.63	0.27
Nanticoke Creek	Main-3	6300	500-year	63.5	217.58	219.07		219.08	0.000623	1	168.53	191.47	0.27
Nanticoke Creek	Main-3	6300	1000-year	73.2	217.58	219.16		219.17	0.000604	1.03	186.95	195.56	0.27
Nanticoke Creek	Main-3	6300	Hazel	189.3	217.58	219.98		220	0.000546	1.32	362.58	234.12	0.28
Nanticoke Creek	Main-3	6184	25-year	27.3	217.56	218.56		218.57	0.0005	0.7	106.53	171.78	0.23
Nanticoke Creek	Main-3	6184	50-year	34.9	217.56	218.68		218.68	0.000471	0.74	126.82	174.12	0.23
Nanticoke Creek	Main-3	6184	100-year	42.9	217.56	218.79		218.79	0.000458	0.78	146.05	177.24	0.23
Nanticoke Creek	Main-3	6184	200-year	51.5	217.56	218.89		218.9	0.000455	0.82	164.81	186.13	0.23
Nanticoke Creek	Main-3	6184	350-year	58.8	217.56	218.97		218.98	0.000454	0.86	180.3	190.57	0.24
Nanticoke Creek	Main-3	6184	500-year	63.5	217.56	219.02		219.03	0.000454	0.88	189.67	194.15	0.24
Nanticoke Creek	Main-3	6184	1000-year	73.2	217.56	219.12		219.13	0.000457	0.92	208.61	200.79	0.24
Nanticoke Creek	Main-3	6184	Hazel	189.3	217.56	219.94		219.96	0.000475	1.26	393.64	249.49	0.27
Nanticoke Creek	Main-3	6095	25-year	27.3	217.39	218.49		218.5	0.000595	0.82	74.51	106.6	0.26
Nanticoke Creek	Main-3	6095	50-year	34.9	217.39	218.6		218.62	0.000617	0.89	87.1	109.22	0.27
Nanticoke Creek	Main-3	6095	100-year	42.9	217.39	218.71		218.73	0.000643	0.97	98.98	112.15	0.28
Nanticoke Creek	Main-3	6095	200-year	51.5	217.39	218.81		218.84	0.000664	1.04	110.46	114.16	0.29
Nanticoke Creek	Main-3	6095	350-year	58.8	217.39	218.89		218.92	0.000679	1.09	119.63	115.76	0.29
Nanticoke Creek	Main-3	6095	500-year	63.5	217.39	218.94		218.97	0.000691	1.13	125.1	116.78	0.3
Nanticoke Creek	Main-3	6095	1000-year	73.2	217.39	219.03		219.06	0.000713	1.19	135.98	118.07	0.3
Nanticoke Creek	Main-3	6095	Hazel	189.3	217.39	219.82		219.88	0.000918	1.78	236.13	140.92	0.37
Nanticoke Creek	Main-3	5991	25-year	27.3	217.23	218.44		218.45	0.00051	0.77	77.32	94.19	0.24
Nanticoke Creek	Main-3	5991	50-year	34.9	217.23	218.55		218.57	0.000555	0.86	88.08	95.06	0.26
Nanticoke Creek	Main-3	5991	100-year	42.9	217.23	218.66		218.68	0.000599	0.95	97.99	95.64	0.27
Nanticoke Creek	Main-3	5991	200-year	51.5	217.23	218.76		218.78	0.000646	1.03	107.43	96.27	0.28
Nanticoke Creek	Main-3	5991	350-year	58.8	217.23	218.83		218.86	0.000682	1.1	114.91	96.84	0.29
Nanticoke Creek	Main-3	5991	500-year	63.5	217.23	218.88		218.9	0.000706	1.14	119.3	97.14	0.3
Nanticoke Creek	Main-3	5991	1000-year	73.2	217.23	218.97		219	0.000752	1.23	128.02	97.76	0.31
Nanticoke Creek	Main-3	5991	Hazel	189.3	217.23	219.71		219.79	0.001218	2.02	206.15	114.83	0.42
Nanticoke Creek	Main-3	5892	25-year	27.3	217.2	218.39		218.41	0.000952	1	59.78	79.89	0.32
Nanticoke Creek	Main-3	5892	50-year	34.9	217.2	218.49		218.52	0.001029	1.11	68.68	84.98	0.34
Nanticoke Creek	Main-3	5892	100-year	42.9	217.2	218.59		218.62	0.00112	1.23	77.33	91.3	0.36
Nanticoke Creek	Main-3	5892	200-year	51.5	217.2	218.68		218.72	0.001194	1.33	86.24	100.26	0.38
Nanticoke Creek	Main-3	5892	350-year	58.8	217.2	218.76		218.8	0.001233	1.41	93.88	105.32	0.39
Nanticoke Creek	Main-3	5892	500-year	63.5	217.2	218.8		218.84	0.001263	1.45	98.48	107.82	0.39
Nanticoke Creek	Main-3	5892	1000-year	73.2	217.2	218.89		218.93	0.00131	1.54	107.95	113.88	0.4
Nanticoke Creek	Main-3	5892	Hazel	189.3	217.2	219.62		219.7	0.001551	2.19	204.74	146.04	0.47
Nanticoke Creek	Main-3	5831	25-year	27.3	217.12	218.31		218.35	0.001365	1.24	51.07	81.31	0.39
Nanticoke Creek	Main-3	5831	50-year	34.9	217.12	218.41		218.45	0.001468	1.37	59.38	83.72	0.41
Nanticoke Creek	Main-3	5831	100-year	42.9	217.12	218.5		218.55	0.001571	1.5	67.09	85.49	0.43
Nanticoke Creek	Main-3	5831	200-year	51.5	217.12	218.58		218.64	0.001684	1.62	74.44	87.11	0.45
Nanticoke Creek	Main-3	5831	350-year	58.8	217.12	218.65		218.72	0.001753	1.71	80.5	88.16	0.47
Nanticoke Creek	Main-3	5831	500-year	63.5	217.12	218.69		218.76	0.001809	1.77	83.95	88.66	0.48

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-3	5831	1000-year	73.2	217.12	218.77		218.85	0.001915	1.89	90.9	90.22	0.49
Nanticoke Creek	Main-3	5831	Hazel	189.3	217.12	219.41		219.58	0.002965	2.98	161.74	144.26	0.65
Nanticoke Creek	Main-3	5758	25-year	27.3	217.06	218.15		218.22	0.002756	1.61	41.5	84.14	0.54
Nanticoke Creek	Main-3	5758	50-year	34.9	217.06	218.24		218.32	0.002949	1.77	49.23	90.81	0.57
Nanticoke Creek	Main-3	5758	100-year	42.9	217.06	218.33		218.41	0.003026	1.89	57.17	95.48	0.58
Nanticoke Creek	Main-3	5758	200-year	51.5	217.06	218.4		218.49	0.003137	2.02	64.67	98.33	0.6
Nanticoke Creek	Main-3	5758	350-year	58.8	217.06	218.47		218.57	0.003159	2.1	71.23	101.32	0.61
Nanticoke Creek	Main-3	5758	500-year	63.5	217.06	218.5		218.6	0.003213	2.16	74.85	102.63	0.62
Nanticoke Creek	Main-3	5758	1000-year	73.2	217.06	218.58		218.68	0.003317	2.28	82.27	107.25	0.63
Nanticoke Creek	Main-3	5758	Hazel	189.3	217.06	219.23		219.37	0.00326	2.95	173.04	165.8	0.67
Nanticoke Creek	Main-3	5665	25-year	27.3	216.84	218.01		218.05	0.001649	1.36	55.01	103.66	0.43
Nanticoke Creek	Main-3	5665	50-year	34.9	216.84	218.09		218.13	0.001794	1.49	63.38	104.37	0.45
Nanticoke Creek	Main-3	5665	100-year	42.9	216.84	218.16		218.21	0.002048	1.66	70.85	109.81	0.48
Nanticoke Creek	Main-3	5665	200-year	51.5	216.84	218.23		218.29	0.002197	1.79	78.53	111.21	0.51
Nanticoke Creek	Main-3	5665	350-year	58.8	216.84	218.3		218.36	0.002161	1.84	86.38	111.95	0.51
Nanticoke Creek	Main-3	5665	500-year	63.5	216.84	218.33		218.39	0.002246	1.9	89.81	112.33	0.52
Nanticoke Creek	Main-3	5665	1000-year	73.2	216.84	218.39		218.46	0.002386	2.02	96.94	115.04	0.54
Nanticoke Creek	Main-3	5665	Hazel	189.3	216.84	218.99		219.13	0.003484	3.07	182.78	174.73	0.69
Nanticoke Creek	Main-3	5576	25-year	27.3	216.8	217.68		217.76	0.006069	1.96	39.49	118.84	0.76
Nanticoke Creek	Main-3	5576	50-year	34.9	216.8	217.75		217.83	0.005733	2.03	47.67	122.94	0.75
Nanticoke Creek	Main-3	5576	100-year	42.9	216.8	217.83		217.9	0.005016	2.03	58.37	145.47	0.72
Nanticoke Creek	Main-3	5576	200-year	51.5	216.8	217.9		217.97	0.004575	2.06	69.48	154.19	0.69
Nanticoke Creek	Main-3	5576	350-year	58.8	216.8	217.96		218.04	0.004861	2.21	78.51	158.15	0.72
Nanticoke Creek	Main-3	5576	500-year	63.5	216.8	218		218.07	0.004558	2.2	84.65	159.89	0.7
Nanticoke Creek	Main-3	5576	1000-year	73.2	216.8	218.06		218.14	0.004324	2.23	95.32	164.57	0.69
Nanticoke Creek	Main-3	5576	Hazel	189.3	216.8	218.72		218.79	0.002765	2.46	230.08	257.04	0.6
Nanticoke Creek	Main-3	5503	25-year	27.3	216.74	217.61		217.61	0.000812	0.7	103.45	227.75	0.28
Nanticoke Creek	Main-3	5503	50-year	34.9	216.74	217.67		217.68	0.000888	0.77	117.51	231.4	0.29
Nanticoke Creek	Main-3	5503	100-year	42.9	216.74	217.75		217.76	0.000846	0.81	137	241.48	0.29
Nanticoke Creek	Main-3	5503	200-year	51.5	216.74	217.83		217.84	0.000814	0.85	156.8	272.08	0.29
Nanticoke Creek	Main-3	5503	350-year	58.8	216.74	217.9		217.9	0.000775	0.87	174.96	283.37	0.29
Nanticoke Creek	Main-3	5503	500-year	63.5	216.74	217.93		217.94	0.000769	0.89	186.16	291.17	0.29
Nanticoke Creek	Main-3	5503	1000-year	73.2	216.74	218		218.01	0.000767	0.93	206.15	302.82	0.29
Nanticoke Creek	Main-3	5503	Hazel	189.3	216.74	218.68		218.69	0.000614	1.16	428.71	370.64	0.28
Nanticoke Creek	Main-3	5499	25-year	27.3	216.71	217.57		217.58	0.000535	0.6	118.61	227.18	0.23
Nanticoke Creek	Main-3	5499	50-year	34.9	216.71	217.63		217.63	0.000629	0.68	131.46	228.2	0.25
Nanticoke Creek	Main-3	5499	100-year	42.9	216.71	217.71		217.72	0.000614	0.73	150.9	230.71	0.25
Nanticoke Creek	Main-3	5499	200-year	51.5	216.71	217.79		217.8	0.000619	0.77	169.16	236.7	0.26
Nanticoke Creek	Main-3	5499	350-year	58.8	216.71	217.86		217.86	0.000629	0.82	184.83	242.03	0.26
Nanticoke Creek	Main-3	5499	500-year	63.5	216.71	217.9		217.9	0.00063	0.84	194.34	244.23	0.26
Nanticoke Creek	Main-3	5499	1000-year	73.2	216.71	217.96		217.97	0.000649	0.89	210.6	246.03	0.27
Nanticoke Creek	Main-3	5499	Hazel	189.3	216.71	218.64		218.65	0.000712	1.28	388.94	297.54	0.31
Nanticoke Creek	Main-3	5422	25-year	27.3	216.62	217.52		217.52	0.000587	0.69	115.38	235.6	0.25
Nanticoke Creek	Main-3	5422	50-year	34.9	216.62	217.56		217.57	0.000724	0.8	126.29	237.18	0.28
Nanticoke Creek	Main-3	5422	100-year	42.9	216.62	217.65		217.66	0.00068	0.83	147.22	240.86	0.27
Nanticoke Creek	Main-3	5422	200-year	51.5	216.62	217.73		217.74	0.000672	0.87	166.26	244.07	0.27
Nanticoke Creek	Main-3	5422	350-year	58.8	216.62	217.8		217.81	0.000654	0.89	182.43	246	0.27
Nanticoke Creek	Main-3	5422	500-year	63.5	216.62	217.84		217.85	0.000646	0.91	192.26	246.93	0.27
Nanticoke Creek	Main-3	5422	1000-year	73.2	216.62	217.9		217.91	0.00067	0.96	208.2	249.13	0.28
Nanticoke Creek	Main-3	5422	Hazel	189.3	216.62	218.57		218.59	0.000703	1.33	395.7	304.32	0.31
Nanticoke Creek	Main-3	5318	25-year	27.3	216.55	217.44		217.45	0.000608	0.71	112.22	224.71	0.25
Nanticoke Creek	Main-3	5318	50-year	34.9	216.55	217.47		217.47	0.000879	0.86	116.96	226.03	0.3
Nanticoke Creek	Main-3	5318	100-year	42.9	216.55	217.56		217.57	0.000792	0.88	138.75	232.41	0.29
Nanticoke Creek	Main-3	5318	200-year	51.5	216.55	217.64		217.65	0.000775	0.92	157.52	237.24	0.29
Nanticoke Creek	Main-3	5318	350-year	58.8	216.55	217.71		217.72	0.00075	0.95	173.86	238.94	0.29
Nanticoke Creek	Main-3	5318	500-year	63.5	216.55	217.75		217.76	0.000735	0.96	183.74	240.03	0.29
Nanticoke Creek	Main-3	5318	1000-year	73.2	216.55	217.81		217.82	0.000767	1.02	198.37	241.62	0.3
Nanticoke Creek	Main-3	5318	Hazel	189.3	216.55	218.48		218.5	0.000783	1.39	382.33	329.25	0.33

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-3	5254	25-year	27.3	216.52	217.41		217.41	0.000415	0.56	141.23	290.88	0.2
Nanticoke Creek	Main-3	5254	50-year	34.9	216.52	217.4		217.41	0.000689	0.72	140.45	290.78	0.26
Nanticoke Creek	Main-3	5254	100-year	42.9	216.52	217.51		217.51	0.000558	0.7	171.11	294.88	0.24
Nanticoke Creek	Main-3	5254	200-year	51.5	216.52	217.59		217.6	0.000526	0.73	195.65	297.98	0.24
Nanticoke Creek	Main-3	5254	350-year	58.8	216.52	217.66		217.67	0.000494	0.74	217.09	300.56	0.23
Nanticoke Creek	Main-3	5254	500-year	63.5	216.52	217.7		217.71	0.000481	0.75	229.92	302.79	0.23
Nanticoke Creek	Main-3	5254	1000-year	73.2	216.52	217.76		217.77	0.000506	0.8	247.7	305.33	0.24
Nanticoke Creek	Main-3	5254	Hazel	189.3	216.52	218.43		218.45	0.000501	1.08	473.42	382.13	0.26
Nanticoke Creek	Main-3	5201	25-year	27.3	216.41	217.35		217.36	0.000354	0.52	133.27	228.87	0.19
Nanticoke Creek	Main-3	5201	50-year	34.9	216.41	217.3		217.31	0.000777	0.74	121.45	227.74	0.28
Nanticoke Creek	Main-3	5201	100-year	42.9	216.41	217.43		217.43	0.000601	0.72	150.28	232.78	0.25
Nanticoke Creek	Main-3	5201	200-year	51.5	216.41	217.51		217.52	0.0006	0.77	170.79	259.48	0.26
Nanticoke Creek	Main-3	5201	350-year	58.8	216.41	217.58		217.59	0.000629	0.83	189.95	273.87	0.27
Nanticoke Creek	Main-3	5201	500-year	63.5	216.41	217.63		217.64	0.000614	0.84	202.26	281.44	0.26
Nanticoke Creek	Main-3	5201	1000-year	73.2	216.41	217.68		217.69	0.00066	0.9	217.53	293.66	0.28
Nanticoke Creek	Main-3	5201	Hazel	189.3	216.41	218.36		218.37	0.000556	1.14	446.06	362.23	0.27
Nanticoke Creek	Main-3	5142	25-year	27.3	216.39	217.34		217.34	0.000176	0.37	174.46	267.04	0.13
Nanticoke Creek	Main-3	5142	50-year	34.9	216.39	217.27		217.27	0.000366	0.5	156.6	254.28	0.19
Nanticoke Creek	Main-3	5142	100-year	42.9	216.39	217.4		217.4	0.00034	0.54	191.03	273.48	0.19
Nanticoke Creek	Main-3	5142	200-year	51.5	216.39	217.48		217.49	0.000354	0.59	214.84	293.78	0.2
Nanticoke Creek	Main-3	5142	350-year	58.8	216.39	217.56		217.56	0.000349	0.61	236.53	304.57	0.2
Nanticoke Creek	Main-3	5142	500-year	63.5	216.39	217.6		217.61	0.000345	0.63	250.33	309.59	0.2
Nanticoke Creek	Main-3	5142	1000-year	73.2	216.39	217.65		217.66	0.000384	0.68	266.15	315.59	0.21
Nanticoke Creek	Main-3	5142	Hazel	189.3	216.39	218.33		218.34	0.000406	0.98	501.81	386.31	0.24
Nanticoke Creek	Main-3	5066	25-year	27.3	216.33	217.29	217.01	217.31	0.001179	1.04	69.84	129.86	0.36
Nanticoke Creek	Main-3	5066	50-year	34.9	216.33	217.05	217.05	217.17	0.010572	2.49	39.15	124.19	1.01
Nanticoke Creek	Main-3	5066	100-year	42.9	216.33	217.36	217.09	217.37	0.000482	0.7	170.39	267.73	0.23
Nanticoke Creek	Main-3	5066	200-year	51.5	216.33	217.45	217.12	217.45	0.00048	0.74	192.85	275.72	0.23
Nanticoke Creek	Main-3	5066	350-year	58.8	216.33	217.52	217.16	217.53	0.00047	0.77	213.5	290.8	0.23
Nanticoke Creek	Main-3	5066	500-year	63.5	216.33	217.57	217.18	217.57	0.000458	0.78	226.89	295.87	0.23
Nanticoke Creek	Main-3	5066	1000-year	73.2	216.33	217.61	217.21	217.62	0.000511	0.84	240.85	302.79	0.25
Nanticoke Creek	Main-3	5066	Hazel	189.3	216.33	218.29	217.29	218.31	0.000472	1.1	466.52	348.21	0.26
Nanticoke Creek	Main-3	4877	25-year	27.3	216.78	217.1	216.8	217.11	0.002708	0.65	62.99	180.49	0.43
Nanticoke Creek	Main-3	4877	50-year	34.9	216.78	217.18	216.83	217.19	0.002489	0.75	77.22	191.54	0.44
Nanticoke Creek	Main-3	4877	100-year	42.9	216.78	217.26	216.87	217.28	0.002538	0.89	94.15	209.92	0.46
Nanticoke Creek	Main-3	4877	200-year	51.5	216.78	217.35	216.89	217.37	0.002116	0.94	113.49	219.52	0.43
Nanticoke Creek	Main-3	4877	350-year	58.8	216.78	217.43	216.93	217.45	0.001772	0.95	131.39	226.18	0.41
Nanticoke Creek	Main-3	4877	500-year	63.5	216.78	217.48	216.94	217.5	0.001595	0.96	142.83	229	0.39
Nanticoke Creek	Main-3	4877	1000-year	73.2	216.78	217.52	216.97	217.54	0.001774	1.05	151.28	230.69	0.42
Nanticoke Creek	Main-3	4877	Hazel	189.3	216.78	218.25	217.23	218.26	0.000548	0.96	466.03	368.3	0.26
Nanticoke Creek	Main-3	4798	25-year	27.3	216.29	217.02		217.03	0.001305	0.76	96.09	277.93	0.34
Nanticoke Creek	Main-3	4798	50-year	34.9	216.29	217.11		217.12	0.001049	0.76	122.05	292.26	0.31
Nanticoke Creek	Main-3	4798	100-year	42.9	216.29	217.21		217.21	0.000847	0.75	149.92	302.54	0.29
Nanticoke Creek	Main-3	4798	200-year	51.5	216.29	217.31		217.31	0.000687	0.74	181.11	311.98	0.27
Nanticoke Creek	Main-3	4798	350-year	58.8	216.29	217.4		217.4	0.000579	0.73	209.56	331.24	0.25
Nanticoke Creek	Main-3	4798	500-year	63.5	216.29	217.45		217.46	0.00053	0.73	227.73	342.12	0.24
Nanticoke Creek	Main-3	4798	1000-year	73.2	216.29	217.48		217.49	0.000617	0.8	238.89	349.8	0.26
Nanticoke Creek	Main-3	4798	Hazel	189.3	216.29	218.23		218.24	0.00041	0.96	526.73	411.26	0.23
Nanticoke Creek	Main-3	4797	25-year	27.3	216.12	216.96	216.68	216.97	0.000764	0.73	103.03	232.66	0.28
Nanticoke Creek	Main-3	4797	50-year	34.9	216.12	217.06	216.71	217.07	0.00067	0.75	126.05	234.94	0.26
Nanticoke Creek	Main-3	4797	100-year	42.9	216.12	217.16	216.74	217.17	0.000587	0.76	150.01	236.94	0.25
Nanticoke Creek	Main-3	4797	200-year	51.5	216.12	217.27	216.77	217.28	0.000516	0.77	175.73	240.61	0.24
Nanticoke Creek	Main-3	4797	350-year	58.8	216.12	217.37	216.79	217.37	0.000465	0.77	198.27	244.91	0.23
Nanticoke Creek	Main-3	4797	500-year	63.5	216.12	217.43	216.8	217.43	0.000321	0.66	264.28	340.62	0.2
Nanticoke Creek	Main-3	4797	1000-year	73.2	216.12	217.46	216.82	217.46	0.000382	0.74	273.99	341.97	0.21
Nanticoke Creek	Main-3	4797	Hazel	189.3	216.12	218.22	217.06	218.22	0.000305	0.91	540	358.82	0.21
Nanticoke Creek	Main-3	4765	25-year	27.3	216.06	216.93		216.94	0.000752	0.72	108.88	263.93	0.27

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-3	4765	50-year	34.9	216.06	217.03		217.04	0.000644	0.73	137.14	282.13	0.26
Nanticoke Creek	Main-3	4765	100-year	42.9	216.06	217.14		217.15	0.000549	0.73	167.72	305.1	0.24
Nanticoke Creek	Main-3	4765	200-year	51.5	216.06	217.25		217.26	0.000459	0.72	202.71	322.3	0.23
Nanticoke Creek	Main-3	4765	350-year	58.8	216.06	217.35		217.35	0.000399	0.72	234.14	335.62	0.21
Nanticoke Creek	Main-3	4765	500-year	63.5	216.06	217.41		217.42	0.000357	0.7	256.37	340.57	0.21
Nanticoke Creek	Main-3	4765	1000-year	73.2	216.06	217.44		217.44	0.00043	0.78	264.89	341.9	0.23
Nanticoke Creek	Main-3	4765	Hazel	189.3	216.06	218.2		218.21	0.000328	0.94	534.97	366.97	0.21
Nanticoke Creek	Main-3	4659	25-year	27.3	215.95	216.9		216.9	0.000606	0.71	119.1	299.34	0.25
Nanticoke Creek	Main-3	4659	50-year	34.9	215.95	217.01		217.01	0.000484	0.69	152.95	315.64	0.23
Nanticoke Creek	Main-3	4659	100-year	42.9	215.95	217.12		217.12	0.000398	0.68	188.09	322.07	0.21
Nanticoke Creek	Main-3	4659	200-year	51.5	215.95	217.23		217.24	0.000332	0.66	225.86	329.72	0.2
Nanticoke Creek	Main-3	4659	350-year	58.8	215.95	217.33		217.33	0.000289	0.65	258.56	337.43	0.19
Nanticoke Creek	Main-3	4659	500-year	63.5	215.95	217.4		217.4	0.000262	0.64	281.49	344.9	0.18
Nanticoke Creek	Main-3	4659	1000-year	73.2	215.95	217.42		217.42	0.000323	0.72	289.03	350.53	0.2
Nanticoke Creek	Main-3	4659	Hazel	189.3	215.95	218.18		218.19	0.000289	0.92	582.89	409.34	0.2
Nanticoke Creek	Main-3	4595	25-year	27.3	215.85	216.88		216.88	0.000263	0.49	170.77	355.85	0.17
Nanticoke Creek	Main-3	4595	50-year	34.9	215.85	216.99		216.99	0.000229	0.49	211.68	365.14	0.16
Nanticoke Creek	Main-3	4595	100-year	42.9	215.85	217.1		217.11	0.000204	0.5	253.38	375.05	0.15
Nanticoke Creek	Main-3	4595	200-year	51.5	215.85	217.22		217.22	0.000179	0.5	298.13	383.98	0.14
Nanticoke Creek	Main-3	4595	350-year	58.8	215.85	217.32		217.32	0.000161	0.5	337	396.13	0.14
Nanticoke Creek	Main-3	4595	500-year	63.5	215.85	217.39		217.39	0.000149	0.5	364.11	398.98	0.13
Nanticoke Creek	Main-3	4595	1000-year	73.2	215.85	217.41		217.41	0.000186	0.56	371.93	400.36	0.15
Nanticoke Creek	Main-3	4595	Hazel	189.3	215.85	218.17		218.18	0.000187	0.75	697.06	454.13	0.16
Nanticoke Creek	Main-3	4482	25-year	27.3	215.86	216.87		216.87	0.000178	0.4	200.64	371.86	0.14
Nanticoke Creek	Main-3	4482	50-year	34.9	215.86	216.98		216.98	0.000162	0.41	243.8	379.49	0.13
Nanticoke Creek	Main-3	4482	100-year	42.9	215.86	217.09		217.1	0.000148	0.42	287.39	389.88	0.13
Nanticoke Creek	Main-3	4482	200-year	51.5	215.86	217.21		217.21	0.000133	0.43	334.09	395.56	0.13
Nanticoke Creek	Main-3	4482	350-year	58.8	215.86	217.31		217.31	0.000122	0.44	373.96	402.49	0.12
Nanticoke Creek	Main-3	4482	500-year	63.5	215.86	217.38		217.38	0.000114	0.44	401.71	404.47	0.12
Nanticoke Creek	Main-3	4482	1000-year	73.2	215.86	217.4		217.4	0.000143	0.49	408.98	404.64	0.13
Nanticoke Creek	Main-3	4482	Hazel	189.3	215.86	218.17		218.17	0.000152	0.68	724.06	419.51	0.15
Nanticoke Creek	Main-3	4427	25-year	27.3	215.82	216.86		216.86	0.000271	0.49	161.16	306.49	0.17
Nanticoke Creek	Main-3	4427	50-year	34.9	215.82	216.97		216.97	0.000241	0.51	197.53	319.92	0.16
Nanticoke Creek	Main-3	4427	100-year	42.9	215.82	217.09		217.09	0.00022	0.52	234.52	329.88	0.16
Nanticoke Creek	Main-3	4427	200-year	51.5	215.82	217.21		217.21	0.00021	0.54	274.81	344.48	0.16
Nanticoke Creek	Main-3	4427	350-year	58.8	215.82	217.31		217.31	0.000186	0.54	309.86	348.96	0.15
Nanticoke Creek	Main-3	4427	500-year	63.5	215.82	217.38		217.38	0.000174	0.54	334.06	351.01	0.15
Nanticoke Creek	Main-3	4427	1000-year	73.2	215.82	217.39		217.39	0.000219	0.61	339.78	351.36	0.16
Nanticoke Creek	Main-3	4427	Hazel	189.3	215.82	218.16		218.16	0.000221	0.82	616.4	372.32	0.18
Nanticoke Creek	Main-3	4355	25-year	27.3	215.77	216.85		216.85	0.000232	0.47	160.96	294.93	0.16
Nanticoke Creek	Main-3	4355	50-year	34.9	215.77	216.96		216.97	0.000214	0.49	195.85	306.75	0.15
Nanticoke Creek	Main-3	4355	100-year	42.9	215.77	217.08		217.08	0.000198	0.51	231.68	316.72	0.15
Nanticoke Creek	Main-3	4355	200-year	51.5	215.77	217.2		217.2	0.000181	0.52	270.12	323.3	0.15
Nanticoke Creek	Main-3	4355	350-year	58.8	215.77	217.3		217.3	0.000166	0.52	303.11	327.17	0.14
Nanticoke Creek	Main-3	4355	500-year	63.5	215.77	217.37		217.37	0.000156	0.52	325.98	331.05	0.14
Nanticoke Creek	Main-3	4355	1000-year	73.2	215.77	217.38		217.39	0.000199	0.59	330.92	332.02	0.16
Nanticoke Creek	Main-3	4355	Hazel	189.3	215.77	218.15		218.16	0.000223	0.84	598.9	365.47	0.18
Nanticoke Creek	Main-3	4097	25-year	27.3	215.63	216.79		216.81	0.000601	0.84	85.19	176.08	0.26
Nanticoke Creek	Main-3	4097	50-year	34.9	215.63	216.92		216.93	0.000554	0.87	107.17	186.66	0.26
Nanticoke Creek	Main-3	4097	100-year	42.9	215.63	217.03		217.05	0.000521	0.9	130	199.22	0.25
Nanticoke Creek	Main-3	4097	200-year	51.5	215.63	217.16		217.17	0.000474	0.91	155.37	208.21	0.24
Nanticoke Creek	Main-3	4097	350-year	58.8	215.63	217.26		217.28	0.000433	0.91	177.66	216.67	0.24
Nanticoke Creek	Main-3	4097	500-year	63.5	215.63	217.33		217.35	0.000405	0.91	193.43	223.27	0.23
Nanticoke Creek	Main-3	4097	1000-year	73.2	215.63	217.34		217.36	0.00053	1.04	194.41	223.46	0.26
Nanticoke Creek	Main-3	4097	Hazel	189.3	215.63	218.1		218.13	0.000535	1.36	375.24	243.43	0.28
Nanticoke Creek	Main-3	4005	25-year	27.3	215.56	216.76		216.77	0.000366	0.67	99.63	184.11	0.21
Nanticoke Creek	Main-3	4005	50-year	34.9	215.56	216.88		216.89	0.000368	0.72	122.65	195.11	0.21
Nanticoke Creek	Main-3	4005	100-year	42.9	215.56	217		217.01	0.00036	0.76	146.65	207.11	0.21

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-3	4005	200-year	51.5	215.56	217.13		217.14	0.000332	0.78	173.5	213.88	0.21
Nanticoke Creek	Main-3	4005	350-year	58.8	215.56	217.24		217.25	0.000309	0.79	196.8	221.54	0.2
Nanticoke Creek	Main-3	4005	500-year	63.5	215.56	217.31		217.32	0.000286	0.78	213.27	223.11	0.19
Nanticoke Creek	Main-3	4005	1000-year	73.2	215.56	217.31		217.32	0.000385	0.9	212.35	223.07	0.23
Nanticoke Creek	Main-3	4005	Hazel	189.3	215.56	218.06		218.09	0.000439	1.25	391.42	247.96	0.26
Nanticoke Creek	Main-3	3883	25-year	27.3	215.59	216.71		216.72	0.000511	0.73	94.87	159.79	0.24
Nanticoke Creek	Main-3	3883	50-year	34.9	215.59	216.84		216.85	0.000469	0.76	115.67	172.27	0.23
Nanticoke Creek	Main-3	3883	100-year	42.9	215.59	216.96		216.97	0.000433	0.78	137.04	177.85	0.23
Nanticoke Creek	Main-3	3883	200-year	51.5	215.59	217.09		217.1	0.000426	0.83	160.37	183.9	0.23
Nanticoke Creek	Main-3	3883	350-year	58.8	215.59	217.2		217.21	0.000385	0.83	180.93	185.82	0.22
Nanticoke Creek	Main-3	3883	500-year	63.5	215.59	217.28		217.29	0.000355	0.83	195.2	186.66	0.21
Nanticoke Creek	Main-3	3883	1000-year	73.2	215.59	217.26		217.28	0.000496	0.97	192.12	186.48	0.25
Nanticoke Creek	Main-3	3883	Hazel	189.3	215.59	218.01		218.04	0.000599	1.39	339.13	205.73	0.3
Nanticoke Creek	Main-3	3755	25-year	27.3	215.52	216.67		216.68	0.0005	0.73	96.59	167.01	0.24
Nanticoke Creek	Main-3	3755	50-year	34.9	215.52	216.8		216.81	0.000445	0.75	118.55	169.49	0.23
Nanticoke Creek	Main-3	3755	100-year	42.9	215.52	216.93		216.94	0.000405	0.77	139.99	170.44	0.22
Nanticoke Creek	Main-3	3755	200-year	51.5	215.52	217.06		217.07	0.000371	0.79	162.55	172.68	0.21
Nanticoke Creek	Main-3	3755	350-year	58.8	215.52	217.17		217.18	0.000341	0.8	182.35	174.47	0.21
Nanticoke Creek	Main-3	3755	500-year	63.5	215.52	217.25		217.26	0.000317	0.79	196.13	174.99	0.2
Nanticoke Creek	Main-3	3755	1000-year	73.2	215.52	217.22		217.24	0.000455	0.94	191.26	174.82	0.24
Nanticoke Creek	Main-3	3755	Hazel	189.3	215.52	217.96		217.99	0.000599	1.4	322.81	182.74	0.3
Nanticoke Creek	Main-3	3679	25-year	27.3	215.55	216.63		216.64	0.000399	0.63	103	158.1	0.21
Nanticoke Creek	Main-3	3679	50-year	34.9	215.55	216.76		216.77	0.000364	0.66	124.4	159.09	0.2
Nanticoke Creek	Main-3	3679	100-year	42.9	215.55	216.89		216.9	0.00034	0.69	144.99	159.89	0.2
Nanticoke Creek	Main-3	3679	200-year	51.5	215.55	217.03		217.03	0.000318	0.72	166.44	161.14	0.2
Nanticoke Creek	Main-3	3679	350-year	58.8	215.55	217.14		217.15	0.000295	0.73	185.38	168.08	0.19
Nanticoke Creek	Main-3	3679	500-year	63.5	215.55	217.22		217.23	0.000277	0.73	199.08	170.99	0.19
Nanticoke Creek	Main-3	3679	1000-year	73.2	215.55	217.18		217.2	0.000411	0.88	192.08	169.27	0.23
Nanticoke Creek	Main-3	3679	Hazel	189.3	215.55	217.9		217.93	0.000597	1.37	322.41	190.12	0.3
Nanticoke Creek	Main-3	3490	25-year	27.3	215.54	216.57		216.58	0.000393	0.65	112.53	188.3	0.21
Nanticoke Creek	Main-3	3490	50-year	34.9	215.54	216.72		216.72	0.000341	0.66	139.77	198.36	0.2
Nanticoke Creek	Main-3	3490	100-year	42.9	215.54	216.85		216.86	0.000318	0.69	166.73	206.67	0.2
Nanticoke Creek	Main-3	3490	200-year	51.5	215.54	216.99		216.99	0.000283	0.7	195.68	211.02	0.19
Nanticoke Creek	Main-3	3490	350-year	58.8	215.54	217.11		217.11	0.000255	0.7	221.57	221.94	0.18
Nanticoke Creek	Main-3	3490	500-year	63.5	215.54	217.19		217.2	0.000233	0.69	240.9	241.2	0.18
Nanticoke Creek	Main-3	3490	1000-year	73.2	215.54	217.13		217.14	0.000367	0.85	227.23	225.23	0.22
Nanticoke Creek	Main-3	3490	Hazel	189.3	215.54	217.84		217.86	0.000477	1.25	420.56	312.11	0.27
Nanticoke Creek	Main-3	3418	25-year	27.3	215.5	216.56		216.56	0.00015	0.37	150.93	249.25	0.13
Nanticoke Creek	Main-3	3418	50-year	34.9	215.5	216.7		216.71	0.000132	0.39	187.47	260.99	0.12
Nanticoke Creek	Main-3	3418	100-year	42.9	215.5	216.84		216.84	0.000121	0.4	223.16	269.03	0.12
Nanticoke Creek	Main-3	3418	200-year	51.5	215.5	216.98		216.98	0.00011	0.42	261.15	274.04	0.12
Nanticoke Creek	Main-3	3418	350-year	58.8	215.5	217.1		217.1	0.000101	0.42	294.76	280.83	0.11
Nanticoke Creek	Main-3	3418	500-year	63.5	215.5	217.18		217.19	0.000096	0.43	319.03	294.97	0.11
Nanticoke Creek	Main-3	3418	1000-year	73.2	215.5	217.12		217.13	0.000149	0.52	300.65	284.65	0.14
Nanticoke Creek	Main-3	3418	Hazel	189.3	215.5	217.82		217.84	0.00021	0.8	519.47	331.21	0.17
Nanticoke Creek	Main-3	3253	25-year	27.3	215.53	216.54		216.54	0.000203	0.44	158.95	241.35	0.15
Nanticoke Creek	Main-3	3253	50-year	34.9	215.53	216.69		216.69	0.000176	0.45	194.46	245.88	0.14
Nanticoke Creek	Main-3	3253	100-year	42.9	215.53	216.82		216.82	0.000161	0.47	228.22	249.77	0.14
Nanticoke Creek	Main-3	3253	200-year	51.5	215.53	216.96		216.97	0.000146	0.48	263.61	251.59	0.13
Nanticoke Creek	Main-3	3253	350-year	58.8	215.53	217.09		217.09	0.000136	0.49	294.81	257.05	0.13
Nanticoke Creek	Main-3	3253	500-year	63.5	215.53	217.17		217.17	0.000127	0.49	316.91	260.85	0.13
Nanticoke Creek	Main-3	3253	1000-year	73.2	215.53	217.1		217.11	0.000203	0.6	298.69	258.53	0.16
Nanticoke Creek	Main-3	3253	Hazel	189.3	215.53	217.8		217.81	0.000301	0.95	485.95	277.81	0.21
Nanticoke Creek	Main-3	3057	25-year	27.3	215.51	216.52		216.52	0.000326	0.53	133.73	208.76	0.18
Nanticoke Creek	Main-3	3057	50-year	34.9	215.51	216.67		216.67	0.000284	0.55	165.67	221.93	0.18
Nanticoke Creek	Main-3	3057	100-year	42.9	215.51	216.81		216.81	0.000253	0.57	196.75	228.5	0.17
Nanticoke Creek	Main-3	3057	200-year	51.5	215.51	216.95		216.95	0.000223	0.58	229.7	231.26	0.16
Nanticoke Creek	Main-3	3057	350-year	58.8	215.51	217.07		217.08	0.0002	0.58	258.5	233.63	0.16

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-3	3057	500-year	63.5	215.51	217.16		217.16	0.000184	0.58	278.72	235.83	0.15
Nanticoke Creek	Main-3	3057	1000-year	73.2	215.51	217.08		217.09	0.000302	0.72	260.49	233.8	0.19
Nanticoke Creek	Main-3	3057	Hazel	189.3	215.51	217.77		217.78	0.000432	1.12	426.26	249.31	0.25
Nanticoke Creek	Main-3	2877	25-year	27.3	215.46	216.49		216.5	0.000392	0.61	115.81	175.53	0.21
Nanticoke Creek	Main-3	2877	50-year	34.9	215.46	216.64		216.65	0.000334	0.63	143.01	180.68	0.19
Nanticoke Creek	Main-3	2877	100-year	42.9	215.46	216.78		216.79	0.0003	0.64	168.56	183.11	0.19
Nanticoke Creek	Main-3	2877	200-year	51.5	215.46	216.93		216.94	0.000272	0.66	195.36	186.11	0.18
Nanticoke Creek	Main-3	2877	350-year	58.8	215.46	217.06		217.06	0.000249	0.67	218.92	189.02	0.18
Nanticoke Creek	Main-3	2877	500-year	63.5	215.46	217.14		217.15	0.000231	0.68	235.51	191.11	0.17
Nanticoke Creek	Main-3	2877	1000-year	73.2	215.46	217.05		217.06	0.000387	0.84	218.74	189	0.22
Nanticoke Creek	Main-3	2877	Hazel	189.3	215.46	217.72		217.75	0.000602	1.35	349.87	202.49	0.29
Nanticoke Creek	Main-3	2801	25-year	27.3	215.4	216.47		216.48	0.000612	0.77	96.96	173.74	0.25
Nanticoke Creek	Main-3	2801	50-year	34.9	215.4	216.63		216.63	0.000474	0.74	124.95	180.52	0.23
Nanticoke Creek	Main-3	2801	100-year	42.9	215.4	216.77		216.78	0.000406	0.73	151.13	185.41	0.21
Nanticoke Creek	Main-3	2801	200-year	51.5	215.4	216.92		216.92	0.000354	0.73	179.06	191.51	0.2
Nanticoke Creek	Main-3	2801	350-year	58.8	215.4	217.04		217.05	0.000311	0.72	203.63	194.26	0.19
Nanticoke Creek	Main-3	2801	500-year	63.5	215.4	217.13		217.14	0.000284	0.71	220.96	196.97	0.19
Nanticoke Creek	Main-3	2801	1000-year	73.2	215.4	217.03		217.05	0.000494	0.9	202.03	194.04	0.24
Nanticoke Creek	Main-3	2801	Hazel	189.3	215.4	217.69		217.72	0.000819	1.47	345.65	260.35	0.33
Nanticoke Creek	Main-3	2764	25-year	27.3	215.46	216.44		216.45	0.000298	0.5	129.62	193.06	0.18
Nanticoke Creek	Main-3	2764	50-year	34.9	215.46	216.61		216.61	0.00025	0.51	161.32	195.8	0.17
Nanticoke Creek	Main-3	2764	100-year	42.9	215.46	216.75		216.76	0.000228	0.54	190.18	201.62	0.16
Nanticoke Creek	Main-3	2764	200-year	51.5	215.46	216.9		216.91	0.000206	0.56	220.46	204.63	0.16
Nanticoke Creek	Main-3	2764	350-year	58.8	215.46	217.03		217.03	0.000188	0.57	246.98	208.06	0.15
Nanticoke Creek	Main-3	2764	500-year	63.5	215.46	217.12		217.12	0.000175	0.57	265.7	210.03	0.15
Nanticoke Creek	Main-3	2764	1000-year	73.2	215.46	217.01		217.02	0.000303	0.71	243.63	207.05	0.19
Nanticoke Creek	Main-3	2764	Hazel	189.3	215.46	217.66		217.68	0.0005	1.19	382.05	222.14	0.27
Nanticoke Creek	Main-3	2659	25-year	27.3	215.34	216.41		216.42	0.000634	0.8	90.71	147.08	0.26
Nanticoke Creek	Main-3	2659	50-year	34.9	215.34	216.58		216.59	0.000526	0.81	117.13	165.1	0.24
Nanticoke Creek	Main-3	2659	100-year	42.9	215.34	216.73		216.73	0.000449	0.81	143	184.34	0.23
Nanticoke Creek	Main-3	2659	200-year	51.5	215.34	216.88		216.89	0.000382	0.81	172.04	194.85	0.22
Nanticoke Creek	Main-3	2659	350-year	58.8	215.34	217.01		217.02	0.00033	0.8	198.57	210.29	0.2
Nanticoke Creek	Main-3	2659	500-year	63.5	215.34	217.1		217.11	0.000312	0.8	217.79	213.14	0.2
Nanticoke Creek	Main-3	2659	1000-year	73.2	215.34	216.98		216.99	0.000561	1.03	192.31	206.29	0.27
Nanticoke Creek	Main-3	2659	Hazel	189.3	215.34	217.6		217.63	0.000815	1.56	332.43	239.42	0.34
Nanticoke Creek	Main-3	2574	25-year	27.3	215.34	216.38		216.39	0.000416	0.63	100.17	132.87	0.21
Nanticoke Creek	Main-3	2574	50-year	34.9	215.34	216.55		216.56	0.000379	0.68	124	144.79	0.21
Nanticoke Creek	Main-3	2574	100-year	42.9	215.34	216.7		216.71	0.000349	0.71	148.04	180.73	0.2
Nanticoke Creek	Main-3	2574	200-year	51.5	215.34	216.86		216.87	0.000313	0.73	178.27	205.41	0.2
Nanticoke Creek	Main-3	2574	350-year	58.8	215.34	216.99		217	0.000277	0.73	206.51	218.66	0.19
Nanticoke Creek	Main-3	2574	500-year	63.5	215.34	217.08		217.09	0.000252	0.72	226.97	225.23	0.18
Nanticoke Creek	Main-3	2574	1000-year	73.2	215.34	216.95		216.96	0.000485	0.94	197.32	213.19	0.25
Nanticoke Creek	Main-3	2574	Hazel	189.3	215.34	217.56		217.58	0.000736	1.46	341.77	255.03	0.32
Nanticoke Creek	Main-3	2494	25-year	27.3	215.31	216.34		216.35	0.000751	0.85	81.14	140.2	0.28
Nanticoke Creek	Main-3	2494	50-year	34.9	215.31	216.52		216.53	0.000551	0.82	108.1	166.1	0.25
Nanticoke Creek	Main-3	2494	100-year	42.9	215.31	216.68		216.69	0.000446	0.81	134.78	175.12	0.23
Nanticoke Creek	Main-3	2494	200-year	51.5	215.31	216.84		216.84	0.000367	0.79	163.33	184.2	0.21
Nanticoke Creek	Main-3	2494	350-year	58.8	215.31	216.97		216.98	0.000312	0.78	189.05	192.01	0.2
Nanticoke Creek	Main-3	2494	500-year	63.5	215.31	217.07		217.07	0.000277	0.76	207.34	197.39	0.19
Nanticoke Creek	Main-3	2494	1000-year	73.2	215.31	216.91		216.93	0.000579	1.03	177.8	188.61	0.27
Nanticoke Creek	Main-3	2494	Hazel	189.3	215.31	217.5		217.53	0.000828	1.54	300.07	248.67	0.34
Nanticoke Creek	Main-3	2375	25-year	27.3	215.25	216.32		216.32	0.000232	0.48	134.23	187.47	0.16
Nanticoke Creek	Main-3	2375	50-year	34.9	215.25	216.5		216.51	0.000183	0.48	169.82	196.78	0.15
Nanticoke Creek	Main-3	2375	100-year	42.9	215.25	216.66		216.66	0.000162	0.5	201.71	202.84	0.14
Nanticoke Creek	Main-3	2375	200-year	51.5	215.25	216.82		216.83	0.000145	0.51	234.78	207.82	0.14
Nanticoke Creek	Main-3	2375	350-year	58.8	215.25	216.96		216.96	0.000131	0.51	263.88	214.2	0.13
Nanticoke Creek	Main-3	2375	500-year	63.5	215.25	217.06		217.06	0.000121	0.51	284.78	225.55	0.13
Nanticoke Creek	Main-3	2375	1000-year	73.2	215.25	216.89		216.9	0.000242	0.68	249.26	209.91	0.18

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-3	2375	Hazel	189.3	215.25	217.46		217.48	0.000523	1.23	388.93	275.81	0.27
Nanticoke Creek	Main-3	2110	25-year	27.3	215.21	216.29		216.3	0.000263	0.5	125.01	185.89	0.17
Nanticoke Creek	Main-3	2110	50-year	34.9	215.21	216.48		216.49	0.000197	0.48	161.77	196.25	0.15
Nanticoke Creek	Main-3	2110	100-year	42.9	215.21	216.65		216.65	0.000169	0.49	193.88	200.99	0.14
Nanticoke Creek	Main-3	2110	200-year	51.5	215.21	216.81		216.81	0.000149	0.5	227.37	210.6	0.14
Nanticoke Creek	Main-3	2110	350-year	58.8	215.21	216.95		216.95	0.000133	0.5	258.48	232.1	0.13
Nanticoke Creek	Main-3	2110	500-year	63.5	215.21	217.05		217.05	0.000121	0.5	281.21	241.15	0.13
Nanticoke Creek	Main-3	2110	1000-year	73.2	215.21	216.87		216.88	0.000254	0.67	240.4	221.93	0.18
Nanticoke Creek	Main-3	2110	Hazel	189.3	215.21	217.42		217.44	0.000461	1.12	382.05	287.56	0.25
Nanticoke Creek	Main-3	1912	25-year	27.3	215.13	216.25		216.26	0.000538	0.73	90.18	134.96	0.24
Nanticoke Creek	Main-3	1912	50-year	34.9	215.13	216.45		216.46	0.000416	0.73	119.44	159.48	0.22
Nanticoke Creek	Main-3	1912	100-year	42.9	215.13	216.62		216.63	0.00038	0.76	147.55	185.05	0.21
Nanticoke Creek	Main-3	1912	200-year	51.5	215.13	216.78		216.79	0.000356	0.8	180.17	215.93	0.21
Nanticoke Creek	Main-3	1912	350-year	58.8	215.13	216.93		216.94	0.000302	0.78	212.52	234.1	0.2
Nanticoke Creek	Main-3	1912	500-year	63.5	215.13	217.03		217.03	0.000266	0.76	236.11	245.56	0.19
Nanticoke Creek	Main-3	1912	1000-year	73.2	215.13	216.83		216.84	0.000639	1.09	189.17	222.73	0.28
Nanticoke Creek	Main-3	1912	Hazel	189.3	215.13	217.35		217.39	0.00105	1.7	322.64	286.6	0.38
Nanticoke Creek	Main-3	1758	25-year	27.3	214.87	216.18		216.2	0.000658	0.93	71.93	91.21	0.28
Nanticoke Creek	Main-3	1758	50-year	34.9	214.87	216.4		216.42	0.000506	0.91	92.87	109.9	0.25
Nanticoke Creek	Main-3	1758	100-year	42.9	214.87	216.57		216.58	0.000484	0.96	118.96	198.46	0.25
Nanticoke Creek	Main-3	1758	200-year	51.5	214.87	216.74		216.76	0.000405	0.95	156.03	224.38	0.23
Nanticoke Creek	Main-3	1758	350-year	58.8	214.87	216.89		216.9	0.000336	0.91	192.1	248.65	0.21
Nanticoke Creek	Main-3	1758	500-year	63.5	214.87	217		217.01	0.000291	0.88	218.28	256.1	0.2
Nanticoke Creek	Main-3	1758	1000-year	73.2	214.87	216.74		216.77	0.000822	1.35	155.76	224.28	0.33
Nanticoke Creek	Main-3	1758	Hazel	189.3	214.87	217.21		217.27	0.001478	2.12	273.3	268.68	0.46
Nanticoke Creek	Main-3	1606	25-year	27.3	214.87	216.16		216.17	0.000257	0.6	120.94	192.56	0.18
Nanticoke Creek	Main-3	1606	50-year	34.9	214.87	216.38		216.39	0.000194	0.58	172.66	251.99	0.16
Nanticoke Creek	Main-3	1606	100-year	42.9	214.87	216.55		216.56	0.00018	0.61	217.11	269.83	0.15
Nanticoke Creek	Main-3	1606	200-year	51.5	214.87	216.73		216.73	0.000148	0.59	266.33	284.97	0.14
Nanticoke Creek	Main-3	1606	350-year	58.8	214.87	216.88		216.89	0.000123	0.57	310.77	292.12	0.13
Nanticoke Creek	Main-3	1606	500-year	63.5	214.87	216.99		216.99	0.000108	0.55	341.65	295.98	0.12
Nanticoke Creek	Main-3	1606	1000-year	73.2	214.87	216.72		216.73	0.00031	0.85	262.53	283.92	0.21
Nanticoke Creek	Main-3	1606	Hazel	189.3	214.87	217.17		217.19	0.000619	1.4	394.83	300.39	0.3
Nanticoke Creek	Main-3	1546	25-year	27.3	214.8	216.16		216.16	0.00006	0.27	162.94	225.04	0.08
Nanticoke Creek	Main-3	1546	50-year	34.9	214.8	216.38		216.38	0.000047	0.26	217.42	253.61	0.07
Nanticoke Creek	Main-3	1546	100-year	42.9	214.8	216.55		216.55	0.000043	0.28	261.79	267.3	0.07
Nanticoke Creek	Main-3	1546	200-year	51.5	214.8	216.73		216.73	0.000039	0.28	309.94	277.57	0.07
Nanticoke Creek	Main-3	1546	350-year	58.8	214.8	216.88		216.89	0.000035	0.28	353.08	283.22	0.07
Nanticoke Creek	Main-3	1546	500-year	63.5	214.8	216.99		216.99	0.000032	0.28	383.05	286.73	0.07
Nanticoke Creek	Main-3	1546	1000-year	73.2	214.8	216.72		216.72	0.00008	0.41	306.29	276.47	0.1
Nanticoke Creek	Main-3	1546	Hazel	189.3	214.8	217.17		217.18	0.000197	0.75	434.56	291.64	0.17
Nanticoke Creek	Main-3	1542	25-year	27.3	213.85	216.07	215.29	216.14	0.000758	1.2	23.69	206.65	0.3
Nanticoke Creek	Main-3	1542	50-year	34.9	213.85	216.38	215.44	216.38	0.000028	0.26	230.25	256.56	0.06
Nanticoke Creek	Main-3	1542	100-year	42.9	213.85	216.55	215.56	216.55	0.000027	0.27	274.99	267.73	0.06
Nanticoke Creek	Main-3	1542	200-year	51.5	213.85	216.73	215.68	216.73	0.000024	0.27	323.33	278.05	0.06
Nanticoke Creek	Main-3	1542	350-year	58.8	213.85	216.88	215.77	216.89	0.000022	0.27	366.5	283.76	0.06
Nanticoke Creek	Main-3	1542	500-year	63.5	213.85	216.99	215.82	216.99	0.000021	0.27	396.49	287.25	0.05
Nanticoke Creek	Main-3	1542	1000-year	73.2	213.85	216.72	215.94	216.72	0.000051	0.39	319.64	276.75	0.08
Nanticoke Creek	Main-3	1542	Hazel	189.3	213.85	217.17	216.29	217.18	0.000129	0.7	447.99	292.01	0.14
Nanticoke Creek	Main-3	1525		Bridge									
Nanticoke Creek	Main-3	1513	25-year	27.3	213.83	215.55	215.55	215.95	0.007878	2.84	11.4	162.39	0.89
Nanticoke Creek	Main-3	1513	50-year	34.9	213.83	215.7	215.7	216.15	0.007729	3.07	14.09	190.73	0.91
Nanticoke Creek	Main-3	1513	100-year	42.9	213.83	215.84	215.84	216.35	0.007599	3.29	16.66	202	0.91
Nanticoke Creek	Main-3	1513	200-year	51.5	213.83	215.98	215.98	216.54	0.007473	3.49	19.2	221.93	0.92
Nanticoke Creek	Main-3	1513	350-year	58.8	213.83	216.09	216.09	216.69	0.007438	3.65	21.16	230.18	0.93
Nanticoke Creek	Main-3	1513	500-year	63.5	213.83	216.15	216.15	216.79	0.007505	3.76	22.28	238.63	0.94
Nanticoke Creek	Main-3	1513	1000-year	73.2	213.83	216.29	216.29	216.3	0.000133	0.53	217.22	255.34	0.13

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-3	1513	Hazel	189.3	213.83	216.76	216.29	216.77	0.000254	0.85	334.03	290.66	0.18
Nanticoke Creek	Main-3	1504	25-year	27.3	214.81	215.71		215.72	0.000576	0.63	91.76	195.03	0.24
Nanticoke Creek	Main-3	1504	50-year	34.9	214.81	215.79		215.8	0.000622	0.7	109.2	216.51	0.25
Nanticoke Creek	Main-3	1504	100-year	42.9	214.81	215.88		215.89	0.000596	0.74	128.02	231.72	0.25
Nanticoke Creek	Main-3	1504	200-year	51.5	214.81	215.96		215.97	0.000586	0.77	146.61	240.69	0.25
Nanticoke Creek	Main-3	1504	350-year	58.8	214.81	216.02		216.03	0.000578	0.8	161.6	248.07	0.25
Nanticoke Creek	Main-3	1504	500-year	63.5	214.81	216.07		216.08	0.000546	0.8	173.92	253.16	0.25
Nanticoke Creek	Main-3	1504	1000-year	73.2	214.81	216.14		216.15	0.000541	0.84	193.14	264.08	0.25
Nanticoke Creek	Main-3	1504	Hazel	189.3	214.81	216.75		216.77	0.000548	1.12	365.85	298.64	0.27
Nanticoke Creek	Main-3	1406	25-year	27.3	214.85	215.68		215.69	0.000514	0.62	105.83	185.15	0.23
Nanticoke Creek	Main-3	1406	50-year	34.9	214.85	215.77		215.77	0.000568	0.7	121.03	191.44	0.25
Nanticoke Creek	Main-3	1406	100-year	42.9	214.85	215.85		215.86	0.000599	0.77	137.41	200.77	0.26
Nanticoke Creek	Main-3	1406	200-year	51.5	214.85	215.93		215.94	0.000633	0.83	153.44	211.18	0.27
Nanticoke Creek	Main-3	1406	350-year	58.8	214.85	215.99		216	0.000658	0.89	166.53	219	0.27
Nanticoke Creek	Main-3	1406	500-year	63.5	214.85	216.03		216.04	0.000751	0.97	176.8	222.93	0.3
Nanticoke Creek	Main-3	1406	1000-year	73.2	214.85	216.11		216.12	0.00076	1.02	193.47	227.41	0.3
Nanticoke Creek	Main-3	1406	Hazel	189.3	214.85	216.71		216.74	0.000938	1.5	343.84	266.05	0.36
Nanticoke Creek	Main-3	1307	25-year	27.3	214.67	215.63		215.65	0.001003	0.89	71.87	128.44	0.32
Nanticoke Creek	Main-3	1307	50-year	34.9	214.67	215.7		215.72	0.001162	1.01	81.4	135.93	0.35
Nanticoke Creek	Main-3	1307	100-year	42.9	214.67	215.78		215.8	0.001258	1.11	92.2	141.42	0.37
Nanticoke Creek	Main-3	1307	200-year	51.5	214.67	215.85		215.88	0.00137	1.2	102.57	147.38	0.39
Nanticoke Creek	Main-3	1307	350-year	58.8	214.67	215.91		215.94	0.00141	1.26	111.1	149.17	0.39
Nanticoke Creek	Main-3	1307	500-year	63.5	214.67	215.95		215.98	0.001454	1.3	117.09	156.34	0.4
Nanticoke Creek	Main-3	1307	1000-year	73.2	214.67	216.02		216.05	0.0015	1.37	128.43	160.77	0.41
Nanticoke Creek	Main-3	1307	Hazel	189.3	214.67	216.59		216.66	0.001911	1.97	227.05	184.65	0.49
Nanticoke Creek	Main-3	1118	25-year	27.3	214.61	215.41		215.46	0.003527	1.61	50.41	157.78	0.6
Nanticoke Creek	Main-3	1118	50-year	34.9	214.61	215.5		215.54	0.003006	1.6	64.3	160.2	0.56
Nanticoke Creek	Main-3	1118	100-year	42.9	214.61	215.59		215.63	0.00244	1.55	79.89	163.59	0.52
Nanticoke Creek	Main-3	1118	200-year	51.5	214.61	215.67		215.72	0.002198	1.56	93.69	167.4	0.5
Nanticoke Creek	Main-3	1118	350-year	58.8	214.61	215.74		215.78	0.00205	1.57	104.75	168.9	0.49
Nanticoke Creek	Main-3	1118	500-year	63.5	214.61	215.79		215.82	0.001939	1.57	112.3	170.22	0.48
Nanticoke Creek	Main-3	1118	1000-year	73.2	214.61	215.86		215.9	0.001831	1.6	125.77	173.2	0.47
Nanticoke Creek	Main-3	1118	Hazel	189.3	214.61	216.42		216.49	0.002024	2.17	229.38	194.4	0.52
Nanticoke Creek	Main-3	1117	25-year	27.3	214.48	215.39		215.4	0.000333	0.47	115.05	275.15	0.18
Nanticoke Creek	Main-3	1117	50-year	34.9	214.48	215.49		215.49	0.000283	0.47	140.81	276.37	0.17
Nanticoke Creek	Main-3	1117	100-year	42.9	214.48	215.59		215.59	0.000238	0.47	169.35	310.38	0.16
Nanticoke Creek	Main-3	1117	200-year	51.5	214.48	215.67		215.67	0.00022	0.48	198.14	351.87	0.16
Nanticoke Creek	Main-3	1117	350-year	58.8	214.48	215.74		215.74	0.000209	0.49	222.18	364.15	0.15
Nanticoke Creek	Main-3	1117	500-year	63.5	214.48	215.78		215.79	0.000199	0.49	238.97	376.33	0.15
Nanticoke Creek	Main-3	1117	1000-year	73.2	214.48	215.86		215.87	0.000189	0.5	269.59	389.47	0.15
Nanticoke Creek	Main-3	1117	Hazel	189.3	214.48	216.43		216.44	0.000211	0.69	504.27	439.58	0.17
Nanticoke Creek	Trib-1	1945	25-year	4.6	188.87	189.68	189.61	189.84	0.009018	1.77	2.61	5.95	0.85
Nanticoke Creek	Trib-1	1945	50-year	5.4	188.87	189.71	189.67	189.9	0.010489	1.94	2.79	6.46	0.92
Nanticoke Creek	Trib-1	1945	100-year	6.1	188.87	189.72	189.72	189.95	0.01229	2.11	2.9	7.27	1
Nanticoke Creek	Trib-1	1945	200-year	6.9	188.87	189.79	189.79	190	0.01046	2.06	3.58	13.38	0.94
Nanticoke Creek	Trib-1	1945	350-year	7.5	188.87	189.82	189.82	190.04	0.009934	2.07	4.09	15.6	0.92
Nanticoke Creek	Trib-1	1945	500-year	7.9	188.87	189.87	189.87	190.06	0.008514	1.97	4.87	21.36	0.86
Nanticoke Creek	Trib-1	1945	1000-year	8.7	188.87	189.94	189.94	190.09	0.007628	1.81	6.72	31.46	0.81
Nanticoke Creek	Trib-1	1945	Hazel	17.6	188.87	190.11	190.11	190.32	0.010107	2.25	13.31	44.68	0.95
Nanticoke Creek	Trib-1	1840	25-year	4.6	188.63	189.26		189.29	0.003143	1.2	12.25	76.53	0.53
Nanticoke Creek	Trib-1	1840	50-year	5.4	188.63	189.28		189.32	0.003109	1.23	14.32	79.09	0.53
Nanticoke Creek	Trib-1	1840	100-year	6.1	188.63	189.31		189.34	0.002841	1.21	16.35	79.52	0.51
Nanticoke Creek	Trib-1	1840	200-year	6.9	188.63	189.34		189.37	0.002616	1.2	18.54	80.04	0.49
Nanticoke Creek	Trib-1	1840	350-year	7.5	188.63	189.36		189.39	0.002387	1.18	20.4	80.73	0.47
Nanticoke Creek	Trib-1	1840	500-year	7.9	188.63	189.37		189.4	0.00235	1.18	21.31	81.3	0.47
Nanticoke Creek	Trib-1	1840	1000-year	8.7	188.63	189.39		189.42	0.002284	1.19	23.09	82.2	0.47
Nanticoke Creek	Trib-1	1840	Hazel	17.6	188.63	189.6		189.63	0.00187	1.29	41.73	93.44	0.44

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Trib-1	1735	25-year	4.6	188.35	188.95		188.99	0.002854	1.07	9.09	35.39	0.5
Nanticoke Creek	Trib-1	1735	50-year	5.4	188.35	188.98		189.02	0.003024	1.15	10.11	36.18	0.52
Nanticoke Creek	Trib-1	1735	100-year	6.1	188.35	189		189.05	0.003195	1.21	10.91	36.91	0.54
Nanticoke Creek	Trib-1	1735	200-year	6.9	188.35	189.03		189.07	0.003366	1.28	11.82	38.14	0.56
Nanticoke Creek	Trib-1	1735	350-year	7.5	188.35	189.03		189.08	0.003969	1.4	11.83	38.15	0.6
Nanticoke Creek	Trib-1	1735	500-year	7.9	188.35	189.04		189.1	0.00397	1.42	12.33	38.62	0.61
Nanticoke Creek	Trib-1	1735	1000-year	8.7	188.35	189.06		189.12	0.003996	1.46	13.22	38.95	0.61
Nanticoke Creek	Trib-1	1735	Hazel	17.6	188.35	189.28		189.36	0.004023	1.81	22.16	43.06	0.65
Nanticoke Creek	Trib-1	1608	25-year	4.6	187.94	188.54		188.59	0.005167	1.32	7.93	38.87	0.65
Nanticoke Creek	Trib-1	1608	50-year	5.4	187.94	188.57		188.63	0.004898	1.34	9.41	41.35	0.64
Nanticoke Creek	Trib-1	1608	100-year	6.1	187.94	188.61		188.66	0.004082	1.29	11.14	44.47	0.59
Nanticoke Creek	Trib-1	1608	200-year	6.9	187.94	188.64		188.68	0.004175	1.34	12.15	47.18	0.6
Nanticoke Creek	Trib-1	1608	350-year	7.5	187.94	188.69		188.73	0.002967	1.21	14.84	51.87	0.52
Nanticoke Creek	Trib-1	1608	500-year	7.9	187.94	188.7		188.74	0.003011	1.23	15.36	52.42	0.52
Nanticoke Creek	Trib-1	1608	1000-year	8.7	187.94	188.72		188.76	0.003034	1.27	16.53	55.58	0.53
Nanticoke Creek	Trib-1	1608	Hazel	17.6	187.94	189.14		189.16	0.000925	1	45.51	79.27	0.32
Nanticoke Creek	Trib-1	1509	25-year	4.6	187.48	188.27	188.12	188.31	0.002361	1.01	9.33	49.51	0.45
Nanticoke Creek	Trib-1	1509	50-year	5.4	187.48	188.29	188.15	188.33	0.002778	1.12	10.1	50.84	0.49
Nanticoke Creek	Trib-1	1509	100-year	6.1	187.48	188.28	188.22	188.35	0.003576	1.27	10.06	50.78	0.56
Nanticoke Creek	Trib-1	1509	200-year	6.9	187.48	188.3	188.25	188.37	0.003994	1.36	10.75	51.74	0.59
Nanticoke Creek	Trib-1	1509	350-year	7.5	187.48	188.26	188.26	188.37	0.00703	1.72	8.71	48.51	0.77
Nanticoke Creek	Trib-1	1509	500-year	7.9	187.48	188.27	188.27	188.39	0.006862	1.73	9.4	49.55	0.77
Nanticoke Creek	Trib-1	1509	1000-year	8.7	187.48	188.29	188.29	188.41	0.006988	1.78	10.26	51.06	0.78
Nanticoke Creek	Trib-1	1509	Hazel	17.6	187.48	189.11		189.12	0.000279	0.66	68.28	87.82	0.18
Nanticoke Creek	Trib-1	1377	25-year	4.6	187.17	187.72	187.72	187.83	0.008557	1.6	4.47	28.91	0.83
Nanticoke Creek	Trib-1	1377	50-year	5.4	187.17	187.77	187.77	187.86	0.006974	1.55	6.04	42.89	0.76
Nanticoke Creek	Trib-1	1377	100-year	6.1	187.17	187.81	187.81	187.88	0.005133	1.43	8.22	50.26	0.66
Nanticoke Creek	Trib-1	1377	200-year	6.9	187.17	187.84	187.84	187.9	0.004799	1.42	9.42	51.92	0.65
Nanticoke Creek	Trib-1	1377	350-year	7.5	187.17	187.92		187.95	0.001997	1.02	13.94	54.45	0.43
Nanticoke Creek	Trib-1	1377	500-year	7.9	187.17	188.19		188.19	0.000236	0.45	32.14	83.71	0.16
Nanticoke Creek	Trib-1	1377	1000-year	8.7	187.17	188.26		188.27	0.000176	0.41	38.77	88.42	0.14
Nanticoke Creek	Trib-1	1377	Hazel	17.6	187.17	189.11		189.11	0.000026	0.25	128.76	119.32	0.06
Nanticoke Creek	Trib-1	1374	25-year	4.6	186.46	187.61	187.09	187.63	0.000677	0.64	7.54	13.92	0.24
Nanticoke Creek	Trib-1	1374	50-year	5.4	186.46	187.66	187.15	187.69	0.000724	0.7	8.2	15.32	0.26
Nanticoke Creek	Trib-1	1374	100-year	6.1	186.46	187.71	187.19	187.73	0.000766	0.74	8.72	16.45	0.26
Nanticoke Creek	Trib-1	1374	200-year	6.9	186.46	187.79	187.23	187.82	0.000707	0.76	9.71	17.01	0.26
Nanticoke Creek	Trib-1	1374	350-year	7.5	186.46	187.92	187.26	187.94	0.000532	0.72	11.25	20.13	0.23
Nanticoke Creek	Trib-1	1374	500-year	7.9	186.46	188.17	187.29	188.19	0.000291	0.59	14.56	46.35	0.17
Nanticoke Creek	Trib-1	1374	1000-year	8.7	186.46	188.24	187.32	188.26	0.000286	0.61	15.72	52.77	0.17
Nanticoke Creek	Trib-1	1374	Hazel	17.6	186.46	189.08	187.58	189.11	0.000188	0.7	31.07	113.2	0.15
Nanticoke Creek	Trib-1	1357		Culvert									
Nanticoke Creek	Trib-1	1342	25-year	4.6	186.64	187.54	187.18	187.58	0.001495	0.88	5.25	26.9	0.37
Nanticoke Creek	Trib-1	1342	50-year	5.4	186.64	187.58	187.23	187.62	0.001728	0.97	5.58	31.55	0.4
Nanticoke Creek	Trib-1	1342	100-year	6.1	186.64	187.6	187.26	187.66	0.001966	1.05	5.82	34.11	0.42
Nanticoke Creek	Trib-1	1342	200-year	6.9	186.64	187.67	187.3	187.73	0.001789	1.07	6.66	44.71	0.41
Nanticoke Creek	Trib-1	1342	350-year	7.5	186.64	187.81	187.33	187.85	0.001105	0.95	8.66	57.15	0.33
Nanticoke Creek	Trib-1	1342	500-year	7.9	186.64	188.09	187.35	188.11	0.000434	0.72	12.67	70.23	0.22
Nanticoke Creek	Trib-1	1342	1000-year	8.7	186.64	188.15	187.38	188.18	0.000429	0.74	13.61	71.33	0.22
Nanticoke Creek	Trib-1	1342	Hazel	17.6	186.64	188.85	187.72	188.89	0.000334	0.9	23.64	82	0.21
Nanticoke Creek	Trib-1	1330	25-year	4.6	186.98	187.54		187.55	0.000758	0.51	10.99	38.61	0.25
Nanticoke Creek	Trib-1	1330	50-year	5.4	186.98	187.58		187.59	0.000749	0.54	12.54	41.54	0.25
Nanticoke Creek	Trib-1	1330	100-year	6.1	186.98	187.61		187.62	0.00077	0.57	13.78	49.72	0.26
Nanticoke Creek	Trib-1	1330	200-year	6.9	186.98	187.68		187.69	0.00056	0.53	17.99	60.67	0.23
Nanticoke Creek	Trib-1	1330	350-year	7.5	186.98	187.82		187.83	0.000261	0.42	27.17	67.2	0.16
Nanticoke Creek	Trib-1	1330	500-year	7.9	186.98	188.1		188.1	0.000072	0.28	46.49	71.82	0.09
Nanticoke Creek	Trib-1	1330	1000-year	8.7	186.98	188.16		188.17	0.000066	0.28	51.27	72.37	0.09
Nanticoke Creek	Trib-1	1330	Hazel	17.6	186.98	188.87		188.87	0.000034	0.28	105.13	80.36	0.07

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Trib-1	1210	25-year	4.6	186.82	187.34		187.39	0.003111	0.98	5.95	26.77	0.5
Nanticoke Creek	Trib-1	1210	50-year	5.4	186.82	187.3	187.24	187.39	0.006518	1.31	4.9	25.93	0.71
Nanticoke Creek	Trib-1	1210	100-year	6.1	186.82	187.36		187.43	0.004532	1.22	6.47	27.15	0.61
Nanticoke Creek	Trib-1	1210	200-year	6.9	186.82	187.57		187.6	0.001147	0.81	12.83	33.63	0.33
Nanticoke Creek	Trib-1	1210	350-year	7.5	186.82	187.77		187.79	0.000442	0.61	20.06	37.71	0.21
Nanticoke Creek	Trib-1	1210	500-year	7.9	186.82	188.08		188.09	0.00014	0.42	32.53	43.04	0.13
Nanticoke Creek	Trib-1	1210	1000-year	8.7	186.82	188.15		188.16	0.000135	0.43	35.43	43.91	0.13
Nanticoke Creek	Trib-1	1210	Hazel	17.6	186.82	188.86		188.87	0.000089	0.48	70.11	53.35	0.11
Nanticoke Creek	Trib-1	1117	25-year	4.6	186.22	186.69	186.69	186.86	0.012495	1.83	2.58	8.45	0.99
Nanticoke Creek	Trib-1	1117	50-year	5.4	186.22	186.97		187.03	0.002576	1.11	5.63	13.49	0.48
Nanticoke Creek	Trib-1	1117	100-year	6.1	186.22	187.26		187.28	0.00071	0.77	10.72	21.86	0.27
Nanticoke Creek	Trib-1	1117	200-year	6.9	186.22	187.53		187.55	0.000291	0.6	19.42	38.75	0.18
Nanticoke Creek	Trib-1	1117	350-year	7.5	186.22	187.76		187.77	0.00015	0.49	28.6	42.8	0.13
Nanticoke Creek	Trib-1	1117	500-year	7.9	186.22	188.08		188.08	0.000063	0.36	42.73	45.61	0.09
Nanticoke Creek	Trib-1	1117	1000-year	8.7	186.22	188.14		188.15	0.000064	0.38	45.79	46.1	0.09
Nanticoke Creek	Trib-1	1117	Hazel	17.6	186.22	188.85		188.86	0.000059	0.45	80.25	51.48	0.09
Nanticoke Creek	Trib-2	2010	25-year	7	215.66	216.74		216.75	0.000668	0.73	31.35	150.26	0.26
Nanticoke Creek	Trib-2	2010	50-year	8.8	215.66	216.82		216.83	0.000478	0.66	44.5	160.1	0.22
Nanticoke Creek	Trib-2	2010	100-year	10.7	215.66	216.9		216.91	0.000372	0.62	57.66	168.44	0.2
Nanticoke Creek	Trib-2	2010	200-year	12.7	215.66	216.98		216.99	0.000299	0.58	71.32	175.72	0.18
Nanticoke Creek	Trib-2	2010	350-year	14.4	215.66	217.04		217.04	0.000262	0.57	81.92	179.12	0.17
Nanticoke Creek	Trib-2	2010	500-year	15.5	215.66	217.19		217.19	0.000135	0.44	108.64	185.73	0.13
Nanticoke Creek	Trib-2	2010	1000-year	17.7	215.66	217.23		217.24	0.00014	0.46	117.78	189.45	0.13
Nanticoke Creek	Trib-2	2010	Hazel	47.7	215.66	217.94		217.94	0.000094	0.5	260.91	217.53	0.11
Nanticoke Creek	Trib-2	1928	25-year	7	215.25	216.73		216.74	0.000071	0.3	49.64	175.72	0.09
Nanticoke Creek	Trib-2	1928	50-year	8.8	215.25	216.82		216.82	0.000064	0.3	64.95	193.83	0.08
Nanticoke Creek	Trib-2	1928	100-year	10.7	215.25	216.9		216.9	0.000058	0.3	80.97	204.09	0.08
Nanticoke Creek	Trib-2	1928	200-year	12.7	215.25	216.98		216.98	0.000051	0.29	97.31	206.46	0.08
Nanticoke Creek	Trib-2	1928	350-year	14.4	215.25	217.04		217.04	0.000048	0.29	109.71	207.74	0.08
Nanticoke Creek	Trib-2	1928	500-year	15.5	215.25	217.18		217.19	0.000028	0.24	140.6	211.21	0.06
Nanticoke Creek	Trib-2	1928	1000-year	17.7	215.25	217.23		217.23	0.00003	0.25	150.86	211.84	0.06
Nanticoke Creek	Trib-2	1928	Hazel	47.7	215.25	217.93		217.94	0.000027	0.3	305.89	227.18	0.06
Nanticoke Creek	Trib-2	1926	25-year	7	215.25	216.71	215.89	216.73	0.000431	0.62	12.43	164.16	0.2
Nanticoke Creek	Trib-2	1926	50-year	8.8	215.25	216.79	215.98	216.81	0.000527	0.72	13.83	182.95	0.22
Nanticoke Creek	Trib-2	1926	100-year	10.7	215.25	216.86	216.05	216.89	0.000613	0.81	15.31	190.56	0.24
Nanticoke Creek	Trib-2	1926	200-year	12.7	215.25	216.93	216.13	216.97	0.000684	0.89	16.89	199.18	0.25
Nanticoke Creek	Trib-2	1926	350-year	14.4	215.25	216.98	216.19	217.03	0.000738	0.95	18.1	200.51	0.27
Nanticoke Creek	Trib-2	1926	500-year	15.5	215.25	217.14	216.23	217.17	0.000529	0.87	21.65	209.23	0.23
Nanticoke Creek	Trib-2	1926	1000-year	17.7	215.25	217.18	216.3	217.22	0.000615	0.95	22.54	210.39	0.25
Nanticoke Creek	Trib-2	1926	Hazel	47.7	215.25	217.93	217.02	217.94	0.000048	0.35	215.53	227.62	0.07
Nanticoke Creek	Trib-2	1915		Bridge									
Nanticoke Creek	Trib-2	1905	25-year	7	215.14	216.7	215.79	216.71	0.000171	0.49	15.02	157.92	0.14
Nanticoke Creek	Trib-2	1905	50-year	8.8	215.14	216.76	215.87	216.78	0.000226	0.58	15.92	174.05	0.16
Nanticoke Creek	Trib-2	1905	100-year	10.7	215.14	216.82	215.93	216.84	0.000285	0.67	16.72	182.16	0.19
Nanticoke Creek	Trib-2	1905	200-year	12.7	215.14	216.88	215.99	216.91	0.000348	0.76	17.49	188.91	0.21
Nanticoke Creek	Trib-2	1905	350-year	14.4	215.14	216.92	216.04	216.95	0.000408	0.84	18.01	191.53	0.22
Nanticoke Creek	Trib-2	1905	500-year	15.5	215.14	216.94	216.06	216.98	0.000446	0.89	18.33	193.07	0.24
Nanticoke Creek	Trib-2	1905	1000-year	17.7	215.14	216.98	216.12	217.03	0.000524	0.98	18.95	199.63	0.26
Nanticoke Creek	Trib-2	1905	Hazel	47.7	215.14	217.38	216.68	217.39	0.000116	0.54	136.36	229.64	0.13
Nanticoke Creek	Trib-2	1901	25-year	7	215.58	216.7		216.7	0.000054	0.23	58.72	168.04	0.08
Nanticoke Creek	Trib-2	1901	50-year	8.8	215.58	216.77		216.77	0.000053	0.23	70.4	174.63	0.08
Nanticoke Creek	Trib-2	1901	100-year	10.7	215.58	216.83		216.83	0.000052	0.24	81.35	179.11	0.08
Nanticoke Creek	Trib-2	1901	200-year	12.7	215.58	216.89		216.89	0.000051	0.25	92.17	183.86	0.08
Nanticoke Creek	Trib-2	1901	350-year	14.4	215.58	216.93		216.93	0.000053	0.26	99.82	189	0.08
Nanticoke Creek	Trib-2	1901	500-year	15.5	215.58	216.96		216.96	0.000053	0.26	104.72	190.95	0.08
Nanticoke Creek	Trib-2	1901	1000-year	17.7	215.58	217.01		217.01	0.000054	0.28	114.31	194.85	0.08
Nanticoke Creek	Trib-2	1901	Hazel	47.7	215.58	217.38		217.39	0.000085	0.41	194.05	224.54	0.1

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				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Trib-2	1808	25-year	7	215.61	216.67		216.69	0.000499	0.69	20.29	76.04	0.23
Nanticoke Creek	Trib-2	1808	50-year	8.8	215.61	216.73		216.75	0.000545	0.76	25.39	79.27	0.24
Nanticoke Creek	Trib-2	1808	100-year	10.7	215.61	216.79		216.82	0.000575	0.81	30.23	82.11	0.25
Nanticoke Creek	Trib-2	1808	200-year	12.7	215.61	216.85		216.88	0.000601	0.86	35.1	85.14	0.26
Nanticoke Creek	Trib-2	1808	350-year	14.4	215.61	216.89		216.92	0.000633	0.9	38.44	86.38	0.27
Nanticoke Creek	Trib-2	1808	500-year	15.5	215.61	216.91		216.94	0.000653	0.93	40.58	88.55	0.27
Nanticoke Creek	Trib-2	1808	1000-year	17.7	215.61	216.96		216.99	0.000679	0.97	44.93	93.35	0.28
Nanticoke Creek	Trib-2	1808	Hazel	47.7	215.61	217.3		217.36	0.001263	1.56	83.4	145.45	0.4
Nanticoke Creek	Trib-2	1707	25-year	7	215.6	216.62		216.64	0.000464	0.64	25.66	79.9	0.22
Nanticoke Creek	Trib-2	1707	50-year	8.8	215.6	216.68		216.7	0.000501	0.7	30.7	83.31	0.23
Nanticoke Creek	Trib-2	1707	100-year	10.7	215.6	216.74		216.76	0.000531	0.75	35.51	84.47	0.24
Nanticoke Creek	Trib-2	1707	200-year	12.7	215.6	216.8		216.81	0.000556	0.79	40.3	88.07	0.25
Nanticoke Creek	Trib-2	1707	350-year	14.4	215.6	216.83		216.85	0.000597	0.84	43.42	89.23	0.26
Nanticoke Creek	Trib-2	1707	500-year	15.5	215.6	216.85		216.87	0.000618	0.87	45.43	89.72	0.26
Nanticoke Creek	Trib-2	1707	1000-year	17.7	215.6	216.9		216.92	0.000649	0.91	49.46	90.58	0.27
Nanticoke Creek	Trib-2	1707	Hazel	47.7	215.6	217.13		217.2	0.001813	1.72	71.52	98.76	0.47
Nanticoke Creek	Trib-2	1606	25-year	7	215.62	216.53	216.35	216.56	0.001322	0.96	18.32	65.4	0.36
Nanticoke Creek	Trib-2	1606	50-year	8.8	215.62	216.59	216.39	216.62	0.001375	1.03	22.29	74.58	0.37
Nanticoke Creek	Trib-2	1606	100-year	10.7	215.62	216.64	216.47	216.67	0.001505	1.12	26.04	79.41	0.39
Nanticoke Creek	Trib-2	1606	200-year	12.7	215.62	216.69	216.5	216.72	0.001544	1.18	30.37	87.2	0.4
Nanticoke Creek	Trib-2	1606	350-year	14.4	215.62	216.72	216.52	216.75	0.001648	1.25	32.81	88.71	0.42
Nanticoke Creek	Trib-2	1606	500-year	15.5	215.62	216.73	216.54	216.77	0.0017	1.28	34.47	90.24	0.43
Nanticoke Creek	Trib-2	1606	1000-year	17.7	215.62	216.78	216.57	216.82	0.001696	1.32	38.42	94.68	0.43
Nanticoke Creek	Trib-2	1606	Hazel	47.7	215.62	217.02	216.78	217.04	0.001091	1.23	115.93	175.76	0.36
Nanticoke Creek	Trib-2	1505	25-year	7	215.6	216.17	216.17	216.27	0.008379	1.77	8.59	50.69	0.84
Nanticoke Creek	Trib-2	1505	50-year	8.8	215.6	216.21	216.21	216.32	0.008491	1.89	10.91	60.52	0.86
Nanticoke Creek	Trib-2	1505	100-year	10.7	215.6	216.25	216.25	216.36	0.008618	2	13.38	69.08	0.88
Nanticoke Creek	Trib-2	1505	200-year	12.7	215.6	216.29	216.29	216.41	0.008149	2.06	16.81	76.92	0.86
Nanticoke Creek	Trib-2	1505	350-year	14.4	215.6	216.33	216.33	216.44	0.007666	2.08	19.42	81.09	0.85
Nanticoke Creek	Trib-2	1505	500-year	15.5	215.6	216.35	216.35	216.46	0.007439	2.09	20.94	84.04	0.84
Nanticoke Creek	Trib-2	1505	1000-year	17.7	215.6	216.36	216.36	216.49	0.008233	2.23	22.41	85.36	0.89
Nanticoke Creek	Trib-2	1505	Hazel	47.7	215.6	216.58	216.58	216.77	0.011249	3.17	41.94	92.76	1.09
Nanticoke Creek	Trib-2	1371	25-year	7	215.16	215.88	215.88	215.88	0.000226	0.31	63.85	212.44	0.13
Nanticoke Creek	Trib-2	1371	50-year	8.8	215.16	215.89	215.88	215.89	0.000335	0.39	65.21	212.8	0.16
Nanticoke Creek	Trib-2	1371	100-year	10.7	215.16	215.94	215.88	215.94	0.000324	0.4	75.22	216.14	0.16
Nanticoke Creek	Trib-2	1371	200-year	12.7	215.16	215.88	215.88	215.89	0.000743	0.57	63.85	212.44	0.24
Nanticoke Creek	Trib-2	1371	350-year	14.4	215.16	215.91	215.88	215.91	0.000744	0.59	69.48	214.12	0.25
Nanticoke Creek	Trib-2	1371	500-year	15.5	215.16	215.93	215.88	215.94	0.000684	0.58	75.07	216.1	0.24
Nanticoke Creek	Trib-2	1371	1000-year	17.7	215.16	215.99	215.88	215.99	0.000577	0.56	86.9	220.57	0.22
Nanticoke Creek	Trib-2	1371	Hazel	47.7	215.16	216.51	215.88	216.51	0.000287	0.58	203.91	233.9	0.17
Nanticoke Creek	Trib-2	1236	25-year	7	214.84	215.61	215.46	215.68	0.003142	1.25	8.65	45.92	0.53
Nanticoke Creek	Trib-2	1236	50-year	8.8	214.84	215.63	215.53	215.73	0.004521	1.51	9.24	51.51	0.64
Nanticoke Creek	Trib-2	1236	100-year	10.7	214.84	215.63	215.59	215.78	0.006296	1.8	9.67	53.9	0.76
Nanticoke Creek	Trib-2	1236	200-year	12.7	214.84	215.72	215.69	215.73	0.000578	0.6	59.99	171.99	0.24
Nanticoke Creek	Trib-2	1236	350-year	14.4	214.84	215.78	215.69	215.79	0.00047	0.57	70.16	174.4	0.22
Nanticoke Creek	Trib-2	1236	500-year	15.5	214.84	215.82	215.69	215.83	0.000412	0.56	77.21	175.39	0.2
Nanticoke Creek	Trib-2	1236	1000-year	17.7	214.84	215.9	215.69	215.9	0.000332	0.53	90.6	181.27	0.19
Nanticoke Creek	Trib-2	1236	Hazel	47.7	214.84	216.45	215.69	216.46	0.000231	0.62	198.66	205.73	0.17
Nanticoke Creek	Trib-2	1072	25-year	7	214.74	215.41	215.41	215.42	0.001536	0.74	25.34	145.84	0.36
Nanticoke Creek	Trib-2	1072	50-year	8.8	214.74	215.5	215.41	215.51	0.000877	0.64	40.46	169.37	0.28
Nanticoke Creek	Trib-2	1072	100-year	10.7	214.74	215.61	215.41	215.61	0.000481	0.53	58.27	179.64	0.21
Nanticoke Creek	Trib-2	1072	200-year	12.7	214.74	215.7	215.41	215.7	0.000327	0.48	74.86	183.15	0.18
Nanticoke Creek	Trib-2	1072	350-year	14.4	214.74	215.76	215.41	215.76	0.000272	0.46	86.61	184.68	0.17
Nanticoke Creek	Trib-2	1072	500-year	15.5	214.74	215.8	215.41	215.81	0.000243	0.45	94.54	186.16	0.16
Nanticoke Creek	Trib-2	1072	1000-year	17.7	214.74	215.88	215.41	215.89	0.000204	0.44	109.33	188.94	0.15
Nanticoke Creek	Trib-2	1072	Hazel	47.7	214.74	216.45	215.57	216.45	0.000174	0.56	219.61	203.18	0.15
Nanticoke Creek	Main-2	29288	25-year	36.1	214.3	215.3		215.31	0.000337	0.54	120.81	225.75	0.19
Nanticoke Creek	Main-2	29288	50-year	45.6	214.3	215.4		215.41	0.000318	0.57	145.11	250.9	0.19

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-2	29288	100-year	55.5	214.3	215.51		215.52	0.000313	0.6	174.79	302.62	0.19
Nanticoke Creek	Main-2	29288	200-year	66	214.3	215.59		215.6	0.000359	0.68	200.53	313.98	0.2
Nanticoke Creek	Main-2	29288	350-year	74.9	214.3	215.66		215.67	0.000337	0.69	223.22	323.75	0.2
Nanticoke Creek	Main-2	29288	500-year	80.8	214.3	215.71		215.72	0.000315	0.68	239.52	335.32	0.19
Nanticoke Creek	Main-2	29288	1000-year	92.4	214.3	215.8		215.8	0.000309	0.71	267.38	341.2	0.19
Nanticoke Creek	Main-2	29288	Hazel	209.1	214.3	216.37		216.38	0.000281	0.85	470.3	378.74	0.2
Nanticoke Creek	Main-2	29287	25-year	36.1	214.22	215.25		215.26	0.000811	0.88	117.31	242.53	0.29
Nanticoke Creek	Main-2	29287	50-year	45.6	214.22	215.35		215.37	0.000745	0.91	144.44	264.61	0.29
Nanticoke Creek	Main-2	29287	100-year	55.5	214.22	215.47		215.48	0.000648	0.91	175.81	293.69	0.27
Nanticoke Creek	Main-2	29287	200-year	66	214.22	215.55		215.56	0.000643	0.95	199.87	304.74	0.28
Nanticoke Creek	Main-2	29287	350-year	74.9	214.22	215.62		215.63	0.000608	0.96	222.88	313.09	0.27
Nanticoke Creek	Main-2	29287	500-year	80.8	214.22	215.67		215.69	0.000582	0.96	239.36	320.61	0.27
Nanticoke Creek	Main-2	29287	1000-year	92.4	214.22	215.76		215.77	0.000563	0.99	266.5	330.14	0.26
Nanticoke Creek	Main-2	29287	Hazel	209.1	214.22	216.33		216.35	0.000569	1.24	469.42	370.34	0.28
Nanticoke Creek	Main-2	29181	25-year	36.1	214.18	215.17		215.18	0.000775	0.8	118.1	201.14	0.28
Nanticoke Creek	Main-2	29181	50-year	45.6	214.18	215.28		215.29	0.000705	0.83	142.22	221.85	0.28
Nanticoke Creek	Main-2	29181	100-year	55.5	214.18	215.4		215.41	0.00065	0.87	171.09	266.66	0.27
Nanticoke Creek	Main-2	29181	200-year	66	214.18	215.48		215.49	0.000668	0.92	193.28	291.37	0.28
Nanticoke Creek	Main-2	29181	350-year	74.9	214.18	215.56		215.57	0.000659	0.96	216.94	321.8	0.28
Nanticoke Creek	Main-2	29181	500-year	80.8	214.18	215.61		215.62	0.000733	1.04	232.49	326.12	0.3
Nanticoke Creek	Main-2	29181	1000-year	92.4	214.18	215.69		215.71	0.000682	1.05	261.55	334.78	0.29
Nanticoke Creek	Main-2	29181	Hazel	209.1	214.18	216.27		216.29	0.000627	1.28	466.24	369.72	0.29
Nanticoke Creek	Main-2	29070	25-year	36.1	214.09	215.12		215.13	0.00095	0.93	106.55	196.7	0.31
Nanticoke Creek	Main-2	29070	50-year	45.6	214.09	215.24		215.25	0.000803	0.92	131.44	220.33	0.29
Nanticoke Creek	Main-2	29070	100-year	55.5	214.09	215.37		215.38	0.000678	0.91	163.57	274.27	0.27
Nanticoke Creek	Main-2	29070	200-year	66	214.09	215.45		215.46	0.000694	0.95	185.8	285.25	0.28
Nanticoke Creek	Main-2	29070	350-year	74.9	214.09	215.52		215.54	0.000668	0.95	209.02	310.87	0.28
Nanticoke Creek	Main-2	29070	500-year	80.8	214.09	215.57		215.58	0.000657	0.96	224.38	318.2	0.27
Nanticoke Creek	Main-2	29070	1000-year	92.4	214.09	215.66		215.67	0.000622	0.96	253.73	328.17	0.27
Nanticoke Creek	Main-2	29070	Hazel	209.1	214.09	216.24		216.26	0.000603	1.21	456.84	363.64	0.28
Nanticoke Creek	Main-2	28971	25-year	36.1	214.14	215.02		215.03	0.001052	0.91	108.6	227.65	0.33
Nanticoke Creek	Main-2	28971	50-year	45.6	214.14	215.17		215.18	0.000772	0.87	142.57	243.19	0.29
Nanticoke Creek	Main-2	28971	100-year	55.5	214.14	215.31		215.31	0.000617	0.86	177.9	265.35	0.27
Nanticoke Creek	Main-2	28971	200-year	66	214.14	215.38		215.39	0.000644	0.92	198.79	278.45	0.27
Nanticoke Creek	Main-2	28971	350-year	74.9	214.14	215.46		215.47	0.00062	0.94	221.65	292.11	0.27
Nanticoke Creek	Main-2	28971	500-year	80.8	214.14	215.51		215.52	0.000638	0.98	235.83	300.57	0.28
Nanticoke Creek	Main-2	28971	1000-year	92.4	214.14	215.61		215.62	0.000594	0.99	264.54	305.03	0.27
Nanticoke Creek	Main-2	28971	Hazel	209.1	214.14	216.19		216.2	0.000611	1.28	445.34	319.71	0.29
Nanticoke Creek	Main-2	28879	25-year	36.1	214.09	214.87		214.89	0.001758	1.09	92.32	209.06	0.42
Nanticoke Creek	Main-2	28879	50-year	45.6	214.09	215.08		215.09	0.000844	0.9	136.86	217.11	0.3
Nanticoke Creek	Main-2	28879	100-year	55.5	214.09	215.24		215.25	0.000625	0.86	171.37	224.51	0.27
Nanticoke Creek	Main-2	28879	200-year	66	214.09	215.31		215.32	0.00066	0.92	188.03	225.4	0.28
Nanticoke Creek	Main-2	28879	350-year	74.9	214.09	215.4		215.41	0.000625	0.94	206.86	227.12	0.27
Nanticoke Creek	Main-2	28879	500-year	80.8	214.09	215.44		215.45	0.000618	0.96	217.7	230.01	0.27
Nanticoke Creek	Main-2	28879	1000-year	92.4	214.09	215.54		215.55	0.000613	1.01	240.27	235.3	0.28
Nanticoke Creek	Main-2	28879	Hazel	209.1	214.09	216.11		216.13	0.000758	1.41	379.5	250.75	0.33
Nanticoke Creek	Main-2	28725	25-year	36.1	214.02	214.8		214.8	0.000776	0.72	115.72	188.49	0.28
Nanticoke Creek	Main-2	28725	50-year	45.6	214.02	215.04		215.05	0.00044	0.67	166.44	224.92	0.22
Nanticoke Creek	Main-2	28725	100-year	55.5	214.02	215.21		215.21	0.000355	0.67	205.25	245.97	0.2
Nanticoke Creek	Main-2	28725	200-year	66	214.02	215.28		215.28	0.000408	0.75	222.94	257.62	0.22
Nanticoke Creek	Main-2	28725	350-year	74.9	214.02	215.36		215.37	0.0004	0.77	244.83	260.72	0.22
Nanticoke Creek	Main-2	28725	500-year	80.8	214.02	215.41		215.42	0.000402	0.79	257.26	262.12	0.22
Nanticoke Creek	Main-2	28725	1000-year	92.4	214.02	215.51		215.51	0.000397	0.83	282.92	265.84	0.22
Nanticoke Creek	Main-2	28725	Hazel	209.1	214.02	216.07		216.08	0.000548	1.22	435.73	281.45	0.28
Nanticoke Creek	Main-2	28617	25-year	36.1	213.97	214.76		214.77	0.000598	0.58	142.02	290.63	0.24
Nanticoke Creek	Main-2	28617	50-year	45.6	213.97	215.03		215.03	0.000267	0.49	219.96	304.93	0.17
Nanticoke Creek	Main-2	28617	100-year	55.5	213.97	215.19		215.2	0.000206	0.48	271.8	308.46	0.15
Nanticoke Creek	Main-2	28617	200-year	66	213.97	215.26		215.27	0.000231	0.54	293.15	310.31	0.16

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-2	28617	350-year	74.9	213.97	215.35		215.35	0.000227	0.56	319.46	312.14	0.16
Nanticoke Creek	Main-2	28617	500-year	80.8	213.97	215.4		215.4	0.00023	0.58	334.32	314.15	0.17
Nanticoke Creek	Main-2	28617	1000-year	92.4	213.97	215.49		215.5	0.000228	0.6	364.93	315.68	0.17
Nanticoke Creek	Main-2	28617	Hazel	209.1	213.97	216.05		216.05	0.000337	0.92	543.94	331.74	0.21
Nanticoke Creek	Main-2	28538	25-year	36.1	213.93	214.73		214.73	0.000291	0.46	192.46	339.37	0.17
Nanticoke Creek	Main-2	28538	50-year	45.6	213.93	215.01		215.01	0.000134	0.39	289.51	348.21	0.12
Nanticoke Creek	Main-2	28538	100-year	55.5	213.93	215.18		215.18	0.000109	0.39	350.04	351.97	0.11
Nanticoke Creek	Main-2	28538	200-year	66	213.93	215.25		215.25	0.000125	0.43	373.82	352.49	0.12
Nanticoke Creek	Main-2	28538	350-year	74.9	213.93	215.33		215.34	0.000126	0.45	403.72	353.54	0.13
Nanticoke Creek	Main-2	28538	500-year	80.8	213.93	215.38		215.38	0.000129	0.47	420.45	354.84	0.13
Nanticoke Creek	Main-2	28538	1000-year	92.4	213.93	215.48		215.48	0.000131	0.5	455.06	356.43	0.13
Nanticoke Creek	Main-2	28538	Hazel	209.1	213.93	216.03		216.03	0.000213	0.78	652.25	365.85	0.17
Nanticoke Creek	Main-2	28425	25-year	36.1	213.83	214.71		214.71	0.000077	0.25	186.62	318.09	0.09
Nanticoke Creek	Main-2	28425	50-year	45.6	213.83	215		215	0.000037	0.22	281.71	328.75	0.07
Nanticoke Creek	Main-2	28425	100-year	55.5	213.83	215.17		215.18	0.000031	0.22	339.5	333.56	0.06
Nanticoke Creek	Main-2	28425	200-year	66	213.83	215.24		215.24	0.000036	0.24	361.72	335.77	0.07
Nanticoke Creek	Main-2	28425	350-year	74.9	213.83	215.33		215.33	0.000036	0.25	390.24	337.52	0.07
Nanticoke Creek	Main-2	28425	500-year	80.8	213.83	215.37		215.37	0.000037	0.26	406.14	338.45	0.07
Nanticoke Creek	Main-2	28425	1000-year	92.4	213.83	215.47		215.47	0.000038	0.28	439.1	340.06	0.07
Nanticoke Creek	Main-2	28425	Hazel	209.1	213.83	216.01		216.02	0.000064	0.43	624.88	348.17	0.1
Nanticoke Creek	Main-2	28368	25-year	36.1	213.82	214.7		214.7	0.000165	0.38	245.04	363.59	0.13
Nanticoke Creek	Main-2	28368	50-year	45.6	213.82	215		215	0.00008	0.32	355.83	374.37	0.1
Nanticoke Creek	Main-2	28368	100-year	55.5	213.82	215.17		215.17	0.000069	0.33	422.16	385.27	0.09
Nanticoke Creek	Main-2	28368	200-year	66	213.82	215.24		215.24	0.000082	0.37	447.57	387.9	0.1
Nanticoke Creek	Main-2	28368	350-year	74.9	213.82	215.32		215.32	0.000085	0.4	480.65	393.11	0.1
Nanticoke Creek	Main-2	28368	500-year	80.8	213.82	215.37		215.37	0.000088	0.41	499.19	397.13	0.11
Nanticoke Creek	Main-2	28368	1000-year	92.4	213.82	215.46		215.47	0.000092	0.44	537.96	400.83	0.11
Nanticoke Creek	Main-2	28368	Hazel	209.1	213.82	216		216.01	0.000158	0.69	756.79	413.43	0.15
Nanticoke Creek	Main-2	28225	25-year	36.1	213.67	214.67		214.67	0.000152	0.39	184.48	217.69	0.13
Nanticoke Creek	Main-2	28225	50-year	45.6	213.67	214.98		214.98	0.000088	0.36	252.48	220.48	0.1
Nanticoke Creek	Main-2	28225	100-year	55.5	213.67	215.16		215.16	0.000082	0.38	291.56	222.68	0.1
Nanticoke Creek	Main-2	28225	200-year	66	213.67	215.22		215.22	0.0001	0.43	305.53	223.19	0.11
Nanticoke Creek	Main-2	28225	350-year	74.9	213.67	215.3		215.31	0.000106	0.46	324.21	224.21	0.12
Nanticoke Creek	Main-2	28225	500-year	80.8	213.67	215.35		215.35	0.000112	0.48	334.53	224.79	0.12
Nanticoke Creek	Main-2	28225	1000-year	92.4	213.67	215.44		215.45	0.000119	0.52	356.07	225.65	0.13
Nanticoke Creek	Main-2	28225	Hazel	209.1	213.67	215.96		215.98	0.000245	0.89	473.36	232.19	0.19
Nanticoke Creek	Main-2	28164	25-year	36.1	213.69	214.65		214.66	0.000397	0.6	138.51	180.61	0.21
Nanticoke Creek	Main-2	28164	50-year	45.6	213.69	214.97		214.98	0.00021	0.54	197.45	191.14	0.16
Nanticoke Creek	Main-2	28164	100-year	55.5	213.69	215.15		215.15	0.000189	0.56	231.69	195.63	0.15
Nanticoke Creek	Main-2	28164	200-year	66	213.69	215.21		215.21	0.000228	0.63	243.64	196.9	0.17
Nanticoke Creek	Main-2	28164	350-year	74.9	213.69	215.29		215.3	0.000239	0.67	260.05	199.58	0.17
Nanticoke Creek	Main-2	28164	500-year	80.8	213.69	215.34		215.34	0.00025	0.7	269.22	203.67	0.18
Nanticoke Creek	Main-2	28164	1000-year	92.4	213.69	215.43		215.44	0.000264	0.75	288.82	209.97	0.19
Nanticoke Creek	Main-2	28164	Hazel	209.1	213.69	215.94		215.96	0.00051	1.24	399.96	230.76	0.27
Nanticoke Creek	Main-2	28071	25-year	36.1	213.66	214.63		214.64	0.000434	0.64	134.68	193.63	0.22
Nanticoke Creek	Main-2	28071	50-year	45.6	213.66	214.96		214.96	0.000208	0.54	199.95	204.05	0.16
Nanticoke Creek	Main-2	28071	100-year	55.5	213.66	215.14		215.14	0.000183	0.56	236.76	209.31	0.15
Nanticoke Creek	Main-2	28071	200-year	66	213.66	215.2		215.2	0.000222	0.63	249.13	210.92	0.17
Nanticoke Creek	Main-2	28071	350-year	74.9	213.66	215.28		215.29	0.000232	0.67	266.59	212.87	0.17
Nanticoke Creek	Main-2	28071	500-year	80.8	213.66	215.32		215.33	0.000242	0.7	276.17	213.92	0.18
Nanticoke Creek	Main-2	28071	1000-year	92.4	213.66	215.42		215.43	0.000254	0.74	296.43	216.19	0.18
Nanticoke Creek	Main-2	28071	Hazel	209.1	213.66	215.91		215.93	0.0005	1.24	405.27	228.92	0.27
Nanticoke Creek	Main-2	28023	25-year	36.1	213.56	214.62		214.62	0.000253	0.5	168.29	210.22	0.17
Nanticoke Creek	Main-2	28023	50-year	45.6	213.56	214.95		214.96	0.000136	0.45	241.81	227.67	0.13
Nanticoke Creek	Main-2	28023	100-year	55.5	213.56	215.13		215.14	0.000124	0.47	283.16	234.4	0.12
Nanticoke Creek	Main-2	28023	200-year	66	213.56	215.19		215.19	0.000152	0.53	296.75	236.33	0.14
Nanticoke Creek	Main-2	28023	350-year	74.9	213.56	215.27		215.28	0.000161	0.57	316.27	239.56	0.14
Nanticoke Creek	Main-2	28023	500-year	80.8	213.56	215.32		215.32	0.000169	0.59	326.98	240.4	0.15

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-2	28023	1000-year	92.4	213.56	215.41		215.42	0.000179	0.63	349.64	242.82	0.15
Nanticoke Creek	Main-2	28023	Hazel	209.1	213.56	215.89		215.91	0.000368	1.07	469.77	254.87	0.23
Nanticoke Creek	Main-2	27878	25-year	36.1	213.52	214.61		214.61	0.000263	0.53	163.5	229.02	0.17
Nanticoke Creek	Main-2	27878	50-year	45.6	213.52	214.95		214.95	0.000119	0.44	243.77	239.65	0.12
Nanticoke Creek	Main-2	27878	100-year	55.5	213.52	215.13		215.13	0.000106	0.45	287.37	246.36	0.12
Nanticoke Creek	Main-2	27878	200-year	66	213.52	215.18		215.19	0.000129	0.51	301.34	248.3	0.13
Nanticoke Creek	Main-2	27878	350-year	74.9	213.52	215.27		215.27	0.000137	0.54	321.79	253.54	0.13
Nanticoke Creek	Main-2	27878	500-year	80.8	213.52	215.31		215.31	0.000143	0.56	333.03	253.92	0.14
Nanticoke Creek	Main-2	27878	1000-year	92.4	213.52	215.4		215.41	0.00015	0.6	356.86	255.99	0.14
Nanticoke Creek	Main-2	27878	Hazel	209.1	213.52	215.88		215.89	0.000303	0.99	481.23	267.85	0.21
Nanticoke Creek	Main-2	27816	25-year	36.1	213.57	214.6		214.61	0.000091	0.29	182.67	219.07	0.1
Nanticoke Creek	Main-2	27816	50-year	45.6	213.57	214.95		214.95	0.000049	0.27	259.89	233.3	0.08
Nanticoke Creek	Main-2	27816	100-year	55.5	213.57	215.13		215.13	0.000045	0.28	302.37	238.93	0.08
Nanticoke Creek	Main-2	27816	200-year	66	213.57	215.18		215.19	0.000056	0.32	315.83	239.47	0.08
Nanticoke Creek	Main-2	27816	350-year	74.9	213.57	215.26		215.27	0.00006	0.34	335.46	241.35	0.09
Nanticoke Creek	Main-2	27816	500-year	80.8	213.57	215.31		215.31	0.000063	0.36	346.17	242.32	0.09
Nanticoke Creek	Main-2	27816	1000-year	92.4	213.57	215.4		215.41	0.000068	0.39	368.93	244.5	0.1
Nanticoke Creek	Main-2	27816	Hazel	209.1	213.57	215.88		215.89	0.000148	0.67	487.23	254.21	0.15
Nanticoke Creek	Main-2	27633	25-year	36.1	213.46	214.59		214.6	0.000343	0.64	158.47	271.17	0.2
Nanticoke Creek	Main-2	27633	50-year	45.6	213.46	214.94		214.94	0.000133	0.48	256.82	289.07	0.13
Nanticoke Creek	Main-2	27633	100-year	55.5	213.46	215.12		215.12	0.000114	0.48	310	300.26	0.12
Nanticoke Creek	Main-2	27633	200-year	66	213.46	215.18		215.18	0.000138	0.54	326.65	303.69	0.14
Nanticoke Creek	Main-2	27633	350-year	74.9	213.46	215.26		215.26	0.000144	0.57	351.59	309.75	0.14
Nanticoke Creek	Main-2	27633	500-year	80.8	213.46	215.3		215.31	0.00015	0.6	365.29	312.89	0.14
Nanticoke Creek	Main-2	27633	1000-year	92.4	213.46	215.39		215.4	0.000156	0.63	394.63	317.14	0.15
Nanticoke Creek	Main-2	27633	Hazel	209.1	213.46	215.86		215.88	0.000309	1.03	549.97	344.46	0.21
Nanticoke Creek	Main-2	27584	25-year	36.1	213.46	214.58		214.59	0.000237	0.52	203.44	368.14	0.16
Nanticoke Creek	Main-2	27584	50-year	45.6	213.46	214.94		214.94	0.000084	0.38	339.99	397.72	0.1
Nanticoke Creek	Main-2	27584	100-year	55.5	213.46	215.12		215.12	0.000071	0.38	413.15	409.31	0.1
Nanticoke Creek	Main-2	27584	200-year	66	213.46	215.17		215.18	0.000085	0.42	435.61	410.63	0.11
Nanticoke Creek	Main-2	27584	350-year	74.9	213.46	215.26		215.26	0.000086	0.44	469.1	412.7	0.11
Nanticoke Creek	Main-2	27584	500-year	80.8	213.46	215.3		215.3	0.000089	0.46	487.27	413.67	0.11
Nanticoke Creek	Main-2	27584	1000-year	92.4	213.46	215.39		215.4	0.000092	0.48	525.98	417.12	0.11
Nanticoke Creek	Main-2	27584	Hazel	209.1	213.46	215.86		215.86	0.000172	0.76	722.13	424.08	0.16
Nanticoke Creek	Main-2	27497	25-year	36.1	213.42	214.56		214.57	0.000234	0.51	194.28	330.46	0.16
Nanticoke Creek	Main-2	27497	50-year	45.6	213.42	214.93		214.93	0.000084	0.38	320.7	352.44	0.1
Nanticoke Creek	Main-2	27497	100-year	55.5	213.42	215.11		215.12	0.000071	0.38	385.31	356.33	0.1
Nanticoke Creek	Main-2	27497	200-year	66	213.42	215.17		215.17	0.000086	0.42	404.46	357.19	0.11
Nanticoke Creek	Main-2	27497	350-year	74.9	213.42	215.25		215.25	0.000089	0.45	433.49	358.35	0.11
Nanticoke Creek	Main-2	27497	500-year	80.8	213.42	215.29		215.3	0.000092	0.46	449.15	358.76	0.11
Nanticoke Creek	Main-2	27497	1000-year	92.4	213.42	215.39		215.39	0.000096	0.49	482.7	365.9	0.12
Nanticoke Creek	Main-2	27497	Hazel	209.1	213.42	215.84		215.85	0.000195	0.81	653.12	377.08	0.17
Nanticoke Creek	Main-2	27392	25-year	36.1	213.39	214.55		214.55	0.00013	0.4	237.16	290.67	0.12
Nanticoke Creek	Main-2	27392	50-year	45.6	213.39	214.93		214.93	0.000061	0.33	347.7	298.71	0.09
Nanticoke Creek	Main-2	27392	100-year	55.5	213.39	215.11		215.11	0.000057	0.35	402.53	301.78	0.09
Nanticoke Creek	Main-2	27392	200-year	66	213.39	215.16		215.16	0.000071	0.4	418.44	302.68	0.1
Nanticoke Creek	Main-2	27392	350-year	74.9	213.39	215.24		215.24	0.000076	0.42	442.93	303.69	0.1
Nanticoke Creek	Main-2	27392	500-year	80.8	213.39	215.29		215.29	0.000081	0.44	456.14	304.47	0.11
Nanticoke Creek	Main-2	27392	1000-year	92.4	213.39	215.38		215.38	0.000087	0.48	484.35	305.85	0.11
Nanticoke Creek	Main-2	27392	Hazel	209.1	213.39	215.83		215.84	0.000198	0.83	623.5	311.66	0.17
Nanticoke Creek	Main-2	27202	25-year	36.1	213.16	214.54		214.54	0.000196	0.55	194.04	260.47	0.15
Nanticoke Creek	Main-2	27202	50-year	45.6	213.16	214.92		214.92	0.000087	0.44	296.15	273.6	0.11
Nanticoke Creek	Main-2	27202	100-year	55.5	213.16	215.1		215.11	0.00008	0.45	346.94	280.9	0.1
Nanticoke Creek	Main-2	27202	200-year	66	213.16	215.15		215.16	0.000101	0.51	361.39	283.76	0.12
Nanticoke Creek	Main-2	27202	350-year	74.9	213.16	215.24		215.24	0.000108	0.55	384.31	287.61	0.12
Nanticoke Creek	Main-2	27202	500-year	80.8	213.16	215.28		215.28	0.000114	0.57	396.69	288.9	0.13
Nanticoke Creek	Main-2	27202	1000-year	92.4	213.16	215.37		215.37	0.000122	0.61	423.38	291.96	0.13
Nanticoke Creek	Main-2	27202	Hazel	209.1	213.16	215.81		215.82	0.000276	1.03	554.99	306.34	0.2

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-2	27027	25-year	36.1	213.03	214.52		214.52	0.000148	0.49	204.11	245.02	0.13
Nanticoke Creek	Main-2	27027	50-year	45.6	213.03	214.91		214.91	0.000071	0.4	301.9	252.93	0.1
Nanticoke Creek	Main-2	27027	100-year	55.5	213.03	215.1		215.1	0.000067	0.42	348.81	257.8	0.1
Nanticoke Creek	Main-2	27027	200-year	66	213.03	215.14		215.15	0.000085	0.48	361.49	259.07	0.11
Nanticoke Creek	Main-2	27027	350-year	74.9	213.03	215.22		215.23	0.000093	0.51	382.16	261.45	0.11
Nanticoke Creek	Main-2	27027	500-year	80.8	213.03	215.27		215.27	0.000099	0.54	393.23	262.22	0.12
Nanticoke Creek	Main-2	27027	1000-year	92.4	213.03	215.36		215.36	0.000108	0.58	417.13	264.21	0.12
Nanticoke Creek	Main-2	27027	Hazel	209.1	213.03	215.78		215.79	0.000265	1.01	531.99	284.53	0.2
Nanticoke Creek	Main-2	26884	25-year	36.1	212.81	214.51		214.52	0.000087	0.41	248.27	250.26	0.1
Nanticoke Creek	Main-2	26884	50-year	45.6	212.81	214.91		214.91	0.000048	0.35	348.68	257.54	0.08
Nanticoke Creek	Main-2	26884	100-year	55.5	212.81	215.09		215.1	0.000048	0.37	396.25	260.07	0.08
Nanticoke Creek	Main-2	26884	200-year	66	212.81	215.14		215.14	0.000061	0.43	408.88	260.81	0.09
Nanticoke Creek	Main-2	26884	350-year	74.9	212.81	215.22		215.22	0.000067	0.46	429.56	262.12	0.1
Nanticoke Creek	Main-2	26884	500-year	80.8	212.81	215.26		215.27	0.000072	0.48	440.61	262.63	0.1
Nanticoke Creek	Main-2	26884	1000-year	92.4	212.81	215.35		215.36	0.00008	0.52	464.43	263.55	0.11
Nanticoke Creek	Main-2	26884	Hazel	209.1	212.81	215.77		215.78	0.000207	0.93	574.95	267.84	0.18
Nanticoke Creek	Main-2	26773	25-year	36.1	212.75	214.51		214.51	0.000085	0.43	236.12	235.77	0.11
Nanticoke Creek	Main-2	26773	50-year	45.6	212.75	214.91		214.91	0.000048	0.37	330.98	241.44	0.08
Nanticoke Creek	Main-2	26773	100-year	55.5	212.75	215.09		215.09	0.000048	0.4	375.59	243.88	0.08
Nanticoke Creek	Main-2	26773	200-year	66	212.75	215.14		215.14	0.000062	0.46	387.26	244.68	0.1
Nanticoke Creek	Main-2	26773	350-year	74.9	212.75	215.22		215.22	0.000068	0.49	406.58	245.99	0.1
Nanticoke Creek	Main-2	26773	500-year	80.8	212.75	215.26		215.26	0.000074	0.51	416.88	246.34	0.11
Nanticoke Creek	Main-2	26773	1000-year	92.4	212.75	215.35		215.35	0.000082	0.56	439.1	247.05	0.11
Nanticoke Creek	Main-2	26773	Hazel	209.1	212.75	215.76		215.77	0.000217	1	540.87	251.12	0.19
Nanticoke Creek	Main-2	26690	25-year	36.1	212.7	214.51		214.51	0.00007	0.39	248.74	272.84	0.1
Nanticoke Creek	Main-2	26690	50-year	45.6	212.7	214.91		214.91	0.000036	0.32	361.03	288.79	0.07
Nanticoke Creek	Main-2	26690	100-year	55.5	212.7	215.09		215.09	0.000034	0.33	414.71	298.64	0.07
Nanticoke Creek	Main-2	26690	200-year	66	212.7	215.14		215.14	0.000044	0.38	428.96	301.33	0.08
Nanticoke Creek	Main-2	26690	350-year	74.9	212.7	215.22		215.22	0.000048	0.41	452.8	304.5	0.08
Nanticoke Creek	Main-2	26690	500-year	80.8	212.7	215.26		215.26	0.000051	0.43	465.56	306.26	0.09
Nanticoke Creek	Main-2	26690	1000-year	92.4	212.7	215.35		215.35	0.000056	0.46	493.32	309.91	0.09
Nanticoke Creek	Main-2	26690	Hazel	209.1	212.7	215.75		215.76	0.000139	0.79	622.22	326.01	0.15
Nanticoke Creek	Main-2	26564	25-year	36.1	212.75	214.5		214.5	0.000042	0.31	221.69	273.13	0.08
Nanticoke Creek	Main-2	26564	50-year	45.6	212.75	214.9		214.9	0.000019	0.24	335.61	293.66	0.05
Nanticoke Creek	Main-2	26564	100-year	55.5	212.75	215.09		215.09	0.000018	0.25	390.55	302.99	0.05
Nanticoke Creek	Main-2	26564	200-year	66	212.75	215.13		215.14	0.000023	0.28	404.79	305.81	0.06
Nanticoke Creek	Main-2	26564	350-year	74.9	212.75	215.21		215.21	0.000025	0.3	428.9	308.81	0.06
Nanticoke Creek	Main-2	26564	500-year	80.8	212.75	215.25		215.26	0.000026	0.31	441.76	309.98	0.06
Nanticoke Creek	Main-2	26564	1000-year	92.4	212.75	215.34		215.35	0.000028	0.33	469.72	312.81	0.07
Nanticoke Creek	Main-2	26564	Hazel	209.1	212.75	215.75		215.75	0.000069	0.57	598.21	326.18	0.11
Nanticoke Creek	Main-2	26562	25-year	36.1	212.68	214.43	213.53	214.49	0.000503	1.04	34.38	275.08	0.26
Nanticoke Creek	Main-2	26562	50-year	45.6	212.68	214.83	213.65	214.89	0.000366	1.02	43.62	291.12	0.23
Nanticoke Creek	Main-2	26562	100-year	55.5	212.68	215.09	213.76	215.09	0.000021	0.26	295.99	300.25	0.06
Nanticoke Creek	Main-2	26562	200-year	66	212.68	215.13	213.88	215.14	0.000027	0.3	305.68	301.53	0.06
Nanticoke Creek	Main-2	26562	350-year	74.9	212.68	215.21	213.98	215.21	0.000029	0.32	322.07	304.68	0.07
Nanticoke Creek	Main-2	26562	500-year	80.8	212.68	215.25	214.04	215.26	0.000019	0.27	456.42	305.73	0.05
Nanticoke Creek	Main-2	26562	1000-year	92.4	212.68	215.34	214.14	215.35	0.000021	0.28	483.99	307.99	0.06
Nanticoke Creek	Main-2	26562	Hazel	209.1	212.68	215.75	214.87	215.75	0.000051	0.49	610.05	319.79	0.09
Nanticoke Creek	Main-2	26551		Bridge									
Nanticoke Creek	Main-2	26536	25-year	36.1	212.73	213.89	213.75	214.16	0.005479	2.38	17.48	240.75	0.77
Nanticoke Creek	Main-2	26536	50-year	45.6	212.73	213.94	213.88	214.33	0.007286	2.84	18.6	253.9	0.9
Nanticoke Creek	Main-2	26536	100-year	55.5	212.73	214.01	214.01	214.5	0.008915	3.23	19.96	258.87	1
Nanticoke Creek	Main-2	26536	200-year	66	212.73	214.15	214.15	214.68	0.008217	3.37	23.11	266.98	0.98
Nanticoke Creek	Main-2	26536	350-year	74.9	212.73	214.24	214.24	214.82	0.008199	3.53	25.21	269.89	0.99
Nanticoke Creek	Main-2	26536	500-year	80.8	212.73	214.3	214.3	214.91	0.008154	3.63	26.58	272.4	1
Nanticoke Creek	Main-2	26536	1000-year	92.4	212.73	214.53	214.42	214.54	0.000226	0.67	248.21	281.53	0.17
Nanticoke Creek	Main-2	26536	Hazel	209.1	212.73	215.23	214.5	215.24	0.000183	0.77	473.69	291.29	0.16

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-2	26518	25-year	36.1	212.68	214.01		214.02	0.000156	0.47	185.58	269.52	0.14
Nanticoke Creek	Main-2	26518	50-year	45.6	212.68	214.12		214.13	0.000165	0.51	214.5	272.95	0.14
Nanticoke Creek	Main-2	26518	100-year	55.5	212.68	214.22		214.23	0.000174	0.55	241.92	276.03	0.15
Nanticoke Creek	Main-2	26518	200-year	66	212.68	214.32		214.32	0.000181	0.58	268.51	277.98	0.15
Nanticoke Creek	Main-2	26518	350-year	74.9	212.68	214.39		214.4	0.000186	0.61	289.7	279.01	0.16
Nanticoke Creek	Main-2	26518	500-year	80.8	212.68	214.44		214.45	0.00019	0.63	303.1	279.87	0.16
Nanticoke Creek	Main-2	26518	1000-year	92.4	212.68	214.53		214.54	0.000196	0.66	328.33	282.19	0.16
Nanticoke Creek	Main-2	26518	Hazel	209.1	212.68	215.22		215.24	0.000239	0.92	528.39	298.09	0.19
Nanticoke Creek	Main-2	26406	25-year	36.1	212.65	214		214.01	0.000176	0.52	179.36	240.04	0.15
Nanticoke Creek	Main-2	26406	50-year	45.6	212.65	214.11		214.11	0.00019	0.57	204.99	245.36	0.15
Nanticoke Creek	Main-2	26406	100-year	55.5	212.65	214.2		214.21	0.000205	0.62	229.54	249.84	0.16
Nanticoke Creek	Main-2	26406	200-year	66	212.65	214.3		214.31	0.000217	0.66	253.54	253.61	0.17
Nanticoke Creek	Main-2	26406	350-year	74.9	212.65	214.38		214.38	0.000226	0.7	272.94	258.55	0.17
Nanticoke Creek	Main-2	26406	500-year	80.8	212.65	214.42		214.43	0.000232	0.72	285.29	260.49	0.18
Nanticoke Creek	Main-2	26406	1000-year	92.4	212.65	214.51		214.52	0.000241	0.76	308.71	264.25	0.18
Nanticoke Creek	Main-2	26406	Hazel	209.1	212.65	215.2		215.22	0.000307	1.06	507.17	318.56	0.22
Nanticoke Creek	Main-2	26354	25-year	36.1	212.67	213.98		213.99	0.000438	0.69	125.96	182.96	0.22
Nanticoke Creek	Main-2	26354	50-year	45.6	212.67	214.09		214.1	0.000456	0.75	145.18	185.54	0.23
Nanticoke Creek	Main-2	26354	100-year	55.5	212.67	214.18		214.2	0.000473	0.81	163.39	187.95	0.24
Nanticoke Creek	Main-2	26354	200-year	66	212.67	214.28		214.29	0.00049	0.87	181.1	190.39	0.24
Nanticoke Creek	Main-2	26354	350-year	74.9	212.67	214.35		214.37	0.000501	0.91	195.3	191.84	0.25
Nanticoke Creek	Main-2	26354	500-year	80.8	212.67	214.4		214.41	0.000508	0.94	204.33	193.28	0.25
Nanticoke Creek	Main-2	26354	1000-year	92.4	212.67	214.49		214.5	0.00052	0.99	221.37	195.03	0.26
Nanticoke Creek	Main-2	26354	Hazel	209.1	212.67	215.16		215.19	0.000614	1.38	359.06	213.28	0.3
Nanticoke Creek	Main-2	26257	25-year	36.1	212.64	213.87		213.91	0.001541	1.27	63.25	109.04	0.41
Nanticoke Creek	Main-2	26257	50-year	45.6	212.64	213.96		214.02	0.001612	1.38	73.81	111.88	0.43
Nanticoke Creek	Main-2	26257	100-year	55.5	212.64	214.05		214.11	0.00167	1.49	83.95	114.34	0.44
Nanticoke Creek	Main-2	26257	200-year	66	212.64	214.14		214.2	0.001724	1.59	93.91	116.7	0.45
Nanticoke Creek	Main-2	26257	350-year	74.9	212.64	214.21		214.28	0.001762	1.66	101.9	118.38	0.46
Nanticoke Creek	Main-2	26257	500-year	80.8	212.64	214.25		214.32	0.001788	1.71	106.96	119.49	0.47
Nanticoke Creek	Main-2	26257	1000-year	92.4	212.64	214.33		214.41	0.001845	1.8	116.53	122.37	0.48
Nanticoke Creek	Main-2	26257	Hazel	209.1	212.64	214.95		215.08	0.002111	2.45	196.79	136.69	0.55
Nanticoke Creek	Main-2	26183	25-year	36.1	212.5	213.76		213.81	0.001286	1.3	71.65	128.72	0.39
Nanticoke Creek	Main-2	26183	50-year	45.6	212.5	213.86		213.9	0.001362	1.41	83.58	130.71	0.4
Nanticoke Creek	Main-2	26183	100-year	55.5	212.5	213.94		213.99	0.001434	1.51	94.8	132.94	0.42
Nanticoke Creek	Main-2	26183	200-year	66	212.5	214.02		214.08	0.001489	1.61	105.94	134.71	0.43
Nanticoke Creek	Main-2	26183	350-year	74.9	212.5	214.09		214.15	0.001534	1.68	114.81	136.54	0.44
Nanticoke Creek	Main-2	26183	500-year	80.8	212.5	214.13		214.19	0.001558	1.72	120.46	137.38	0.44
Nanticoke Creek	Main-2	26183	1000-year	92.4	212.5	214.21		214.28	0.001602	1.81	131.09	138.94	0.45
Nanticoke Creek	Main-2	26183	Hazel	209.1	212.5	214.81		214.92	0.001843	2.4	218.38	148.36	0.51
Nanticoke Creek	Main-2	26056	25-year	36.1	212.42	213.63		213.67	0.0012	1.2	73.62	146.57	0.37
Nanticoke Creek	Main-2	26056	50-year	45.6	212.42	213.72		213.76	0.001249	1.3	86.99	149.5	0.38
Nanticoke Creek	Main-2	26056	100-year	55.5	212.42	213.8		213.85	0.001287	1.38	99.57	150.88	0.39
Nanticoke Creek	Main-2	26056	200-year	66	212.42	213.89		213.94	0.001313	1.45	112.15	152.34	0.4
Nanticoke Creek	Main-2	26056	350-year	74.9	212.42	213.95		214.01	0.001332	1.51	122.08	153.18	0.41
Nanticoke Creek	Main-2	26056	500-year	80.8	212.42	213.99		214.05	0.001346	1.55	128.36	153.87	0.41
Nanticoke Creek	Main-2	26056	1000-year	92.4	212.42	214.07		214.13	0.001369	1.62	140.14	154.82	0.42
Nanticoke Creek	Main-2	26056	Hazel	209.1	212.42	214.67		214.76	0.001534	2.14	236.42	165.56	0.47
Nanticoke Creek	Main-2	25985	25-year	36.1	212.45	213.54		213.58	0.001317	1.18	78.7	150.15	0.38
Nanticoke Creek	Main-2	25985	50-year	45.6	212.45	213.63		213.67	0.00137	1.27	91.69	151.07	0.39
Nanticoke Creek	Main-2	25985	100-year	55.5	212.45	213.71		213.75	0.00141	1.36	104.02	151.65	0.4
Nanticoke Creek	Main-2	25985	200-year	66	212.45	213.79		213.83	0.001435	1.43	116.35	152.23	0.41
Nanticoke Creek	Main-2	25985	350-year	74.9	212.45	213.86		213.9	0.001457	1.49	126.02	152.68	0.42
Nanticoke Creek	Main-2	25985	500-year	80.8	212.45	213.9		213.94	0.001472	1.53	132.11	152.95	0.42
Nanticoke Creek	Main-2	25985	1000-year	92.4	212.45	213.97		214.02	0.001497	1.6	143.54	153.33	0.43
Nanticoke Creek	Main-2	25985	Hazel	209.1	212.45	214.56		214.64	0.001757	2.19	238.05	170.16	0.49
Nanticoke Creek	Main-2	25946	25-year	36.1	212.39	213.47		213.49	0.000937	0.95	87.47	214.92	0.32

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-2	25946	50-year	45.6	212.39	213.55		213.58	0.00091	1	106.76	216.14	0.32
Nanticoke Creek	Main-2	25946	100-year	55.5	212.39	213.64		213.67	0.000896	1.04	124.91	218.82	0.32
Nanticoke Creek	Main-2	25946	200-year	66	212.39	213.72		213.75	0.000883	1.09	143.44	224.79	0.32
Nanticoke Creek	Main-2	25946	350-year	74.9	212.39	213.79		213.82	0.000871	1.12	158.19	226.79	0.32
Nanticoke Creek	Main-2	25946	500-year	80.8	212.39	213.83		213.86	0.000864	1.14	167.5	227.68	0.32
Nanticoke Creek	Main-2	25946	1000-year	92.4	212.39	213.9		213.94	0.000854	1.18	185	229.39	0.32
Nanticoke Creek	Main-2	25946	Hazel	209.1	212.39	214.5		214.55	0.000832	1.49	325.02	238.06	0.34
Nanticoke Creek	Main-2	25843	25-year	36.1	212.35	213.41		213.43	0.000527	0.74	111.81	216.94	0.24
Nanticoke Creek	Main-2	25843	50-year	45.6	212.35	213.5		213.52	0.000546	0.8	131.43	225.27	0.25
Nanticoke Creek	Main-2	25843	100-year	55.5	212.35	213.58		213.6	0.000563	0.85	150.63	233.6	0.26
Nanticoke Creek	Main-2	25843	200-year	66	212.35	213.67		213.69	0.000566	0.89	170.22	236.55	0.26
Nanticoke Creek	Main-2	25843	350-year	74.9	212.35	213.73		213.75	0.000569	0.93	185.85	239.15	0.26
Nanticoke Creek	Main-2	25843	500-year	80.8	212.35	213.77		213.79	0.000572	0.95	195.72	240.8	0.26
Nanticoke Creek	Main-2	25843	1000-year	92.4	212.35	213.85		213.87	0.000577	0.99	214.37	246.15	0.27
Nanticoke Creek	Main-2	25843	Hazel	209.1	212.35	214.45		214.48	0.000613	1.3	373.67	301.23	0.29
Nanticoke Creek	Main-2	25746	25-year	36.1	212.43	213.37		213.38	0.000689	0.77	117.76	218.88	0.27
Nanticoke Creek	Main-2	25746	50-year	45.6	212.43	213.46		213.47	0.000699	0.83	137.27	223.37	0.28
Nanticoke Creek	Main-2	25746	100-year	55.5	212.43	213.54		213.55	0.000702	0.88	155.87	225.29	0.28
Nanticoke Creek	Main-2	25746	200-year	66	212.43	213.62		213.64	0.000701	0.93	174.77	227.86	0.28
Nanticoke Creek	Main-2	25746	350-year	74.9	212.43	213.69		213.7	0.0007	0.96	189.79	229.18	0.29
Nanticoke Creek	Main-2	25746	500-year	80.8	212.43	213.73		213.75	0.000703	0.99	199.22	230.45	0.29
Nanticoke Creek	Main-2	25746	1000-year	92.4	212.43	213.81		213.82	0.000709	1.04	216.9	232.96	0.29
Nanticoke Creek	Main-2	25746	Hazel	209.1	212.43	214.4		214.43	0.000765	1.39	360.22	248.25	0.33
Nanticoke Creek	Main-2	25606	25-year	36.1	212.42	213.27		213.29	0.001419	1.07	86.59	164.55	0.38
Nanticoke Creek	Main-2	25606	50-year	45.6	212.42	213.36		213.38	0.001409	1.14	101.19	166.95	0.39
Nanticoke Creek	Main-2	25606	100-year	55.5	212.42	213.44		213.46	0.001401	1.21	115.09	168.26	0.39
Nanticoke Creek	Main-2	25606	200-year	66	212.42	213.52		213.55	0.001389	1.28	129.3	170.73	0.4
Nanticoke Creek	Main-2	25606	350-year	74.9	212.42	213.59		213.62	0.001381	1.32	140.6	172.13	0.4
Nanticoke Creek	Main-2	25606	500-year	80.8	212.42	213.63		213.66	0.001383	1.36	147.59	172.91	0.4
Nanticoke Creek	Main-2	25606	1000-year	92.4	212.42	213.7		213.74	0.001391	1.42	160.64	174.28	0.41
Nanticoke Creek	Main-2	25606	Hazel	209.1	212.42	214.28		214.34	0.001507	1.91	264.54	183.7	0.45
Nanticoke Creek	Main-2	25498	25-year	36.1	212.15	213.07		213.11	0.001943	1.22	58.46	112.51	0.45
Nanticoke Creek	Main-2	25498	50-year	45.6	212.15	213.15		213.2	0.002014	1.33	67.79	114.07	0.46
Nanticoke Creek	Main-2	25498	100-year	55.5	212.15	213.22		213.28	0.002076	1.43	76.63	114.89	0.48
Nanticoke Creek	Main-2	25498	200-year	66	212.15	213.3		213.36	0.002149	1.53	85.12	117.36	0.49
Nanticoke Creek	Main-2	25498	350-year	74.9	212.15	213.36		213.43	0.00218	1.61	92.41	121.27	0.5
Nanticoke Creek	Main-2	25498	500-year	80.8	212.15	213.4		213.47	0.002216	1.66	96.84	123.46	0.51
Nanticoke Creek	Main-2	25498	1000-year	92.4	212.15	213.46		213.55	0.002289	1.75	105.08	125.55	0.52
Nanticoke Creek	Main-2	25498	Hazel	209.1	212.15	213.97		214.12	0.002729	2.44	172.74	139.3	0.6
Nanticoke Creek	Main-2	25403	25-year	40.8	212.11	212.79		212.82	0.003402	1.31	67.55	127.33	0.56
Nanticoke Creek	Main-2	25403	50-year	51.1	212.11	212.86		212.89	0.003589	1.46	76.25	127.9	0.59
Nanticoke Creek	Main-2	25403	100-year	62	212.11	212.92		212.96	0.003816	1.6	84.28	128.58	0.62
Nanticoke Creek	Main-2	25403	200-year	73.4	212.11	212.98		213.02	0.004075	1.74	91.62	129.12	0.64
Nanticoke Creek	Main-2	25403	350-year	83.1	212.11	213.02		213.08	0.004218	1.85	97.8	129.36	0.66
Nanticoke Creek	Main-2	25403	500-year	89.4	212.11	213.06		213.11	0.004272	1.91	101.86	129.51	0.67
Nanticoke Creek	Main-2	25403	1000-year	101.9	212.11	213.11		213.18	0.004413	2.03	109.24	129.78	0.69
Nanticoke Creek	Main-2	25403	Hazel	222.5	212.11	213.55		213.68	0.005357	2.93	167.77	136.81	0.81
Nanticoke Creek	Main-2	25335	25-year	40.8	211.87	212.34	212.17	212.37	0.011145	1.76	51.94	148.34	0.94
Nanticoke Creek	Main-2	25335	50-year	51.1	211.87	212.4	212.22	212.45	0.009902	1.73	62.27	151.89	0.89
Nanticoke Creek	Main-2	25335	100-year	62	211.87	212.47	212.25	212.51	0.00942	1.78	71.62	153.93	0.88
Nanticoke Creek	Main-2	25335	200-year	73.4	211.87	212.52	212.28	212.57	0.009367	1.91	79.45	154.38	0.89
Nanticoke Creek	Main-2	25335	350-year	83.1	211.87	212.57		212.62	0.008703	1.98	87.56	154.74	0.88
Nanticoke Creek	Main-2	25335	500-year	89.4	211.87	212.59		212.65	0.008903	2.06	90.88	154.88	0.89
Nanticoke Creek	Main-2	25335	1000-year	101.9	211.87	212.65		212.71	0.008438	2.14	99.97	155.31	0.88
Nanticoke Creek	Main-2	25335	Hazel	222.5	211.87	213.03	212.62	213.15	0.008608	3.01	161.23	166.39	0.97
Nanticoke Creek	Main-2	25233	25-year	40.8	211.14	211.4	211.32	211.51	0.021252	1.57	29.77	105.18	1.16
Nanticoke Creek	Main-2	25233	50-year	51.1	211.14	211.45	211.43	211.57	0.024681	1.9	35.29	129.41	1.29
Nanticoke Creek	Main-2	25233	100-year	62	211.14	211.49	211.49	211.62	0.026929	2.16	41.75	154.49	1.38

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-2	25233	200-year	73.4	211.14	211.57	211.53	211.67	0.026903	2.4	54.82	187.07	1.41
Nanticoke Creek	Main-2	25233	350-year	83.1	211.14	211.57	211.55	211.7	0.032391	2.68	56.24	188.2	1.56
Nanticoke Creek	Main-2	25233	500-year	89.4	211.14	211.6	211.57	211.73	0.03053	2.76	61.32	193.71	1.53
Nanticoke Creek	Main-2	25233	1000-year	101.9	211.14	211.62	211.6	211.77	0.0347	3.04	64.73	198.24	1.65
Nanticoke Creek	Main-2	25233	Hazel	222.5	211.14	211.83	211.83	212.1	0.044179	4.75	110.33	213.7	2.02
Nanticoke Creek	Main-2	25133	25-year	40.8	210.31	209.16		209.23	0.040893		33.92	149.32	0
Nanticoke Creek	Main-2	25133	50-year	51.1	210.31	209.21		209.29	0.033815		42.11	160.17	0
Nanticoke Creek	Main-2	25133	100-year	62	210.31	209.26		209.34	0.03125		49.81	172.16	0
Nanticoke Creek	Main-2	25133	200-year	73.4	210.31	209.29		209.38	0.031554		55.7	176.34	0
Nanticoke Creek	Main-2	25133	350-year	83.1	210.31	209.35		209.43	0.025884		65.4	181.27	0
Nanticoke Creek	Main-2	25133	500-year	89.4	210.31	209.36		209.45	0.027393		67.27	181.6	0
Nanticoke Creek	Main-2	25133	1000-year	101.9	210.31	209.41		209.5	0.024151		76.08	185.43	0
Nanticoke Creek	Main-2	25133	Hazel	222.5	210.31	209.71		209.85	0.018791		136.18	206.75	0
Nanticoke Creek	Main-2	25036	25-year	40.8	207.22	208.2	208.2	208.33	0.005745	2.17	52.2	200.87	0.77
Nanticoke Creek	Main-2	25036	50-year	51.1	207.22	208.24	208.24	208.39	0.006296	2.36	61.98	209.77	0.82
Nanticoke Creek	Main-2	25036	100-year	62	207.22	208.29	208.29	208.45	0.00657	2.5	72.46	219.57	0.84
Nanticoke Creek	Main-2	25036	200-year	73.4	207.22	208.34	208.34	208.5	0.006547	2.59	83.53	226.42	0.85
Nanticoke Creek	Main-2	25036	350-year	83.1	207.22	208.36	208.36	208.54	0.007348	2.78	88.06	228.99	0.9
Nanticoke Creek	Main-2	25036	500-year	89.4	207.22	208.39	208.39	208.56	0.007132	2.79	94.39	233.06	0.89
Nanticoke Creek	Main-2	25036	1000-year	101.9	207.22	208.42	208.42	208.61	0.007671	2.95	101.69	239.99	0.93
Nanticoke Creek	Main-2	25036	Hazel	222.5	207.22	208.7	208.7	208.95	0.009384	3.83	174.16	285.11	1.07
Nanticoke Creek	Main-2	24977	25-year	40.8	206.77	207.56	207.56	207.69	0.011395	2.63	47.97	172.35	1.05
Nanticoke Creek	Main-2	24977	50-year	51.1	206.77	207.61	207.61	207.75	0.011208	2.76	57.96	181.66	1.05
Nanticoke Creek	Main-2	24977	100-year	62	206.77	207.65	207.65	207.8	0.012024	2.96	64.98	185.06	1.1
Nanticoke Creek	Main-2	24977	200-year	73.4	206.77	207.69	207.69	207.84	0.012218	3.1	72.66	191.17	1.12
Nanticoke Creek	Main-2	24977	350-year	83.1	206.77	207.72	207.72	207.88	0.012725	3.24	78.19	198.79	1.15
Nanticoke Creek	Main-2	24977	500-year	89.4	206.77	207.76	207.72	207.91	0.011415	3.16	86.07	217.41	1.1
Nanticoke Creek	Main-2	24977	1000-year	101.9	206.77	207.9		208	0.006547	2.66	123.03	286.57	0.85
Nanticoke Creek	Main-2	24977	Hazel	222.5	206.77	208.38		208.44	0.003325	2.46	281.91	381.29	0.65
Nanticoke Creek	Main-2	24918	25-year	40.8	206.36	207.02		207.06	0.005932	1.7	66.88	204.01	0.73
Nanticoke Creek	Main-2	24918	50-year	51.1	206.36	207.22		207.24	0.00221	1.28	111.65	241.72	0.47
Nanticoke Creek	Main-2	24918	100-year	62	206.36	207.41		207.43	0.001243	1.12	162.61	302.34	0.37
Nanticoke Creek	Main-2	24918	200-year	73.4	206.36	207.6		207.61	0.000725	0.96	220.22	322.53	0.29
Nanticoke Creek	Main-2	24918	350-year	83.1	206.36	207.71		207.72	0.000586	0.92	256.82	336.55	0.26
Nanticoke Creek	Main-2	24918	500-year	89.4	206.36	207.78		207.78	0.000523	0.9	280.49	347.45	0.25
Nanticoke Creek	Main-2	24918	1000-year	101.9	206.36	207.9		207.91	0.000445	0.88	324.26	356.76	0.24
Nanticoke Creek	Main-2	24918	Hazel	222.5	206.36	208.35		208.36	0.000606	1.24	491.67	387.58	0.29
Nanticoke Creek	Main-2	24845	25-year	40.8	205.54	206.99		207	0.000364	0.75	162.93	247.2	0.21
Nanticoke Creek	Main-2	24845	50-year	51.1	205.54	207.2		207.21	0.000258	0.7	220.85	296.29	0.18
Nanticoke Creek	Main-2	24845	100-year	62	205.54	207.4		207.4	0.0002	0.66	281.16	317.98	0.16
Nanticoke Creek	Main-2	24845	200-year	73.4	205.54	207.58		207.59	0.000162	0.64	342.71	335.94	0.15
Nanticoke Creek	Main-2	24845	350-year	83.1	205.54	207.7		207.7	0.000153	0.65	380.74	340.44	0.15
Nanticoke Creek	Main-2	24845	500-year	89.4	205.54	207.77		207.77	0.000148	0.65	404.64	343.17	0.14
Nanticoke Creek	Main-2	24845	1000-year	101.9	205.54	207.89		207.9	0.000143	0.66	447.84	346.96	0.14
Nanticoke Creek	Main-2	24845	Hazel	222.5	205.54	208.33		208.34	0.000277	1.04	603.7	361.57	0.21
Nanticoke Creek	Main-2	24804	25-year	40.8	205.17	206.98		206.99	0.000152	0.56	199.82	297.66	0.14
Nanticoke Creek	Main-2	24804	50-year	51.1	205.17	207.2		207.2	0.00011	0.52	266.35	321.87	0.12
Nanticoke Creek	Main-2	24804	100-year	62	205.17	207.39		207.4	0.000088	0.5	332.93	351.8	0.11
Nanticoke Creek	Main-2	24804	200-year	73.4	205.17	207.58		207.58	0.000072	0.48	400.26	362.42	0.1
Nanticoke Creek	Main-2	24804	350-year	83.1	205.17	207.69		207.7	0.000069	0.48	441.35	367.58	0.1
Nanticoke Creek	Main-2	24804	500-year	89.4	205.17	207.76		207.77	0.000067	0.49	467.21	371.1	0.1
Nanticoke Creek	Main-2	24804	1000-year	101.9	205.17	207.89		207.89	0.000066	0.5	514.12	376.96	0.1
Nanticoke Creek	Main-2	24804	Hazel	222.5	205.17	208.33		208.34	0.000131	0.78	683.09	394.9	0.14
Nanticoke Creek	Main-2	24801	25-year	40.8	205.19	206.86	206.29	206.96	0.001472	1.64	41.33	263.61	0.43
Nanticoke Creek	Main-2	24801	50-year	51.1	205.19	207.06	206.43	207.17	0.001392	1.74	50.59	304.91	0.43
Nanticoke Creek	Main-2	24801	100-year	62	205.19	207.25	206.54	207.36	0.00133	1.83	59.3	335.66	0.43
Nanticoke Creek	Main-2	24801	200-year	73.4	205.19	207.43	206.65	207.55	0.001279	1.9	67.72	351.46	0.43
Nanticoke Creek	Main-2	24801	350-year	83.1	205.19	207.69	206.78	207.69	0.000066	0.47	338.01	367.73	0.1

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-2	24801	500-year	89.4	205.19	207.76	206.82	207.77	0.000065	0.48	356.28	371.49	0.1
Nanticoke Creek	Main-2	24801	1000-year	101.9	205.19	207.89	206.93	207.89	0.000065	0.49	389.47	378.4	0.1
Nanticoke Creek	Main-2	24801	Hazel	222.5	205.19	208.32	207.68	208.33	0.00014	0.8	509.26	397.82	0.15
Nanticoke Creek	Main-2	24788		Mult Open									
Nanticoke Creek	Main-2	24776	25-year	40.8	204.75	206.3	206.3	206.74	0.005995	3.25	20.71	149.45	0.87
Nanticoke Creek	Main-2	24776	50-year	51.1	204.75	206.51	206.51	206.92	0.004933	3.24	28.47	251.85	0.8
Nanticoke Creek	Main-2	24776	100-year	62	204.75	206.71	206.71	207.07	0.00411	3.19	37.27	289.29	0.75
Nanticoke Creek	Main-2	24776	200-year	73.4	204.75	206.81	206.81	207.2	0.004326	3.38	41.89	294.07	0.77
Nanticoke Creek	Main-2	24776	350-year	83.1	204.75	206.88	206.88	207.29	0.004513	3.54	45.4	302.64	0.8
Nanticoke Creek	Main-2	24776	500-year	89.4	204.75	206.94	206.94	207.35	0.004484	3.6	48.22	309.25	0.8
Nanticoke Creek	Main-2	24776	1000-year	101.9	204.75	206.97	206.97	207.47	0.005294	3.96	50.11	314.25	0.87
Nanticoke Creek	Main-2	24776	Hazel	222.5	204.75	207.76	207.68	207.77	0.000232	1.02	436.11	375.03	0.19
Nanticoke Creek	Main-2	24772	25-year	40.8	204.74	206.25		206.28	0.000771	1.17	91.22	188.15	0.31
Nanticoke Creek	Main-2	24772	50-year	51.1	204.74	206.38		206.4	0.000647	1.14	119.07	257.14	0.29
Nanticoke Creek	Main-2	24772	100-year	62	204.74	206.5		206.52	0.000537	1.09	154.16	299.19	0.27
Nanticoke Creek	Main-2	24772	200-year	73.4	204.74	206.62		206.64	0.000446	1.04	191.04	310.29	0.25
Nanticoke Creek	Main-2	24772	350-year	83.1	204.74	206.72		206.73	0.000393	1.01	220.75	319.38	0.23
Nanticoke Creek	Main-2	24772	500-year	89.4	204.74	206.78		206.79	0.000364	0.99	240.2	325.95	0.23
Nanticoke Creek	Main-2	24772	1000-year	101.9	204.74	206.89		206.9	0.000321	0.97	277.03	335.36	0.21
Nanticoke Creek	Main-2	24772	Hazel	222.5	204.74	207.76		207.77	0.000166	0.88	597.13	390.25	0.16
Nanticoke Creek	Main-2	24725	25-year	40.8	204.68	206.2		206.24	0.000762	1.16	100.61	238.92	0.31
Nanticoke Creek	Main-2	24725	50-year	51.1	204.68	206.33		206.37	0.000675	1.16	133.75	271.57	0.29
Nanticoke Creek	Main-2	24725	100-year	62	204.68	206.46		206.49	0.000613	1.16	171.21	305.71	0.28
Nanticoke Creek	Main-2	24725	200-year	73.4	204.68	206.59		206.61	0.00053	1.13	210.17	307.9	0.27
Nanticoke Creek	Main-2	24725	350-year	83.1	204.68	206.68		206.71	0.000475	1.11	240.62	308.75	0.26
Nanticoke Creek	Main-2	24725	500-year	89.4	204.68	206.75		206.77	0.000445	1.1	259.89	309.33	0.25
Nanticoke Creek	Main-2	24725	1000-year	101.9	204.68	206.86		206.88	0.000404	1.09	295.34	310.36	0.24
Nanticoke Creek	Main-2	24725	Hazel	222.5	204.68	207.74		207.76	0.00027	1.12	571.62	318.53	0.21
Nanticoke Creek	Main-2	24675	25-year	40.8	204.64	206.11		206.19	0.001419	1.59	72.26	165.59	0.42
Nanticoke Creek	Main-2	24675	50-year	51.1	204.64	206.26		206.32	0.0012	1.56	97.73	182.48	0.4
Nanticoke Creek	Main-2	24675	100-year	62	204.64	206.4		206.45	0.001029	1.53	125.41	216.76	0.37
Nanticoke Creek	Main-2	24675	200-year	73.4	204.64	206.53		206.58	0.000923	1.52	155.44	235.85	0.36
Nanticoke Creek	Main-2	24675	350-year	83.1	204.64	206.63		206.68	0.000825	1.49	180.76	247.56	0.34
Nanticoke Creek	Main-2	24675	500-year	89.4	204.64	206.7		206.74	0.000783	1.48	196.8	249.07	0.33
Nanticoke Creek	Main-2	24675	1000-year	101.9	204.64	206.82		206.86	0.000707	1.46	226.72	255.18	0.32
Nanticoke Creek	Main-2	24675	Hazel	222.5	204.64	207.71		207.74	0.000431	1.44	472.37	281.87	0.26
Nanticoke Creek	Main-2	24619	25-year	40.8	204.63	206.1		206.11	0.000542	0.93	121.75	153.95	0.26
Nanticoke Creek	Main-2	24619	50-year	51.1	204.63	206.24		206.25	0.000512	0.97	143.67	154.82	0.25
Nanticoke Creek	Main-2	24619	100-year	62	204.63	206.38		206.39	0.00049	1.01	164.98	155.52	0.25
Nanticoke Creek	Main-2	24619	200-year	73.4	204.63	206.51		206.52	0.000478	1.04	185.24	156.11	0.25
Nanticoke Creek	Main-2	24619	350-year	83.1	204.63	206.61		206.63	0.000472	1.08	201.29	156.57	0.25
Nanticoke Creek	Main-2	24619	500-year	89.4	204.63	206.67		206.69	0.000469	1.1	211.23	156.88	0.25
Nanticoke Creek	Main-2	24619	1000-year	101.9	204.63	206.79		206.81	0.000468	1.14	229.62	157.44	0.26
Nanticoke Creek	Main-2	24619	Hazel	222.5	204.63	207.67		207.7	0.000515	1.52	372.72	172.93	0.28
Nanticoke Creek	Main-2	24570	25-year	40.8	204.61	206.08		206.09	0.000198	0.6	110.33	116.53	0.16
Nanticoke Creek	Main-2	24570	50-year	51.1	204.61	206.22		206.23	0.000205	0.65	126.89	118.02	0.16
Nanticoke Creek	Main-2	24570	100-year	62	204.61	206.36		206.37	0.000209	0.69	143.07	118.63	0.17
Nanticoke Creek	Main-2	24570	200-year	73.4	204.61	206.49		206.5	0.000215	0.74	158.47	119.35	0.17
Nanticoke Creek	Main-2	24570	350-year	83.1	204.61	206.59		206.61	0.000219	0.77	170.68	119.77	0.18
Nanticoke Creek	Main-2	24570	500-year	89.4	204.61	206.65		206.67	0.000222	0.79	178.24	120.17	0.18
Nanticoke Creek	Main-2	24570	1000-year	101.9	204.61	206.77		206.79	0.000229	0.83	192.24	120.63	0.18
Nanticoke Creek	Main-2	24570	Hazel	222.5	204.61	207.65		207.68	0.000281	1.16	311.39	144.74	0.21
Nanticoke Creek	Main-2	24495	25-year	40.8	204.6	206.04		206.07	0.000593	1.01	81.01	116.55	0.27
Nanticoke Creek	Main-2	24495	50-year	51.1	204.6	206.19		206.21	0.000558	1.04	97.85	119.17	0.27
Nanticoke Creek	Main-2	24495	100-year	62	204.6	206.33		206.35	0.000528	1.07	114.4	120.04	0.26
Nanticoke Creek	Main-2	24495	200-year	73.4	204.6	206.46		206.48	0.000511	1.11	130.07	120.76	0.26
Nanticoke Creek	Main-2	24495	350-year	83.1	204.6	206.56		206.59	0.000501	1.14	142.49	121.49	0.26

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-2	24495	500-year	89.4	204.6	206.62		206.65	0.000497	1.16	150.18	122.08	0.26
Nanticoke Creek	Main-2	24495	1000-year	101.9	204.6	206.74		206.77	0.000496	1.2	164.5	125.36	0.26
Nanticoke Creek	Main-2	24495	Hazel	222.5	204.6	207.61		207.66	0.000517	1.54	285.64	149.17	0.29
Nanticoke Creek	Main-2	24405	25-year	40.8	204.57	206.03		206.05	0.000256	0.67	83.11	93.25	0.18
Nanticoke Creek	Main-2	24405	50-year	51.1	204.57	206.17		206.19	0.000261	0.73	96.5	94.32	0.18
Nanticoke Creek	Main-2	24405	100-year	62	204.57	206.31		206.33	0.000265	0.77	109.56	95.13	0.19
Nanticoke Creek	Main-2	24405	200-year	73.4	204.57	206.44		206.46	0.00027	0.82	121.97	96.13	0.19
Nanticoke Creek	Main-2	24405	350-year	83.1	204.57	206.54		206.57	0.000275	0.86	131.81	96.66	0.2
Nanticoke Creek	Main-2	24405	500-year	89.4	204.57	206.61		206.63	0.000278	0.88	137.9	96.91	0.2
Nanticoke Creek	Main-2	24405	1000-year	101.9	204.57	206.72		206.75	0.000285	0.92	149.12	97.33	0.2
Nanticoke Creek	Main-2	24405	Hazel	222.5	204.57	207.59		207.64	0.000344	1.28	241.47	117.91	0.24
Nanticoke Creek	Main-2	24350	25-year	40.8	204.57	206.02		206.03	0.000288	0.68	76.63	81.06	0.19
Nanticoke Creek	Main-2	24350	50-year	51.1	204.57	206.16		206.18	0.000297	0.74	88.25	82.89	0.19
Nanticoke Creek	Main-2	24350	100-year	62	204.57	206.29		206.32	0.000304	0.79	99.74	84.68	0.2
Nanticoke Creek	Main-2	24350	200-year	73.4	204.57	206.42		206.45	0.000313	0.85	110.79	86.62	0.2
Nanticoke Creek	Main-2	24350	350-year	83.1	204.57	206.53		206.55	0.000319	0.89	119.63	87.54	0.21
Nanticoke Creek	Main-2	24350	500-year	89.4	204.57	206.59		206.62	0.000323	0.91	125.11	87.87	0.21
Nanticoke Creek	Main-2	24350	1000-year	101.9	204.57	206.7		206.73	0.000332	0.96	135.22	88.56	0.21
Nanticoke Creek	Main-2	24350	Hazel	222.5	204.57	207.56		207.62	0.000412	1.35	216.94	105.85	0.25
Nanticoke Creek	Main-2	24303	25-year	40.8	204.57	205.99		206.01	0.000448	0.89	63.2	69.34	0.24
Nanticoke Creek	Main-2	24303	50-year	51.1	204.57	206.12		206.16	0.000475	0.97	72.9	70.67	0.25
Nanticoke Creek	Main-2	24303	100-year	62	204.57	206.26		206.3	0.000496	1.05	82.44	71.62	0.26
Nanticoke Creek	Main-2	24303	200-year	73.4	204.57	206.38		206.43	0.000518	1.13	91.54	72.95	0.27
Nanticoke Creek	Main-2	24303	350-year	83.1	204.57	206.48		206.53	0.000536	1.19	98.8	74.22	0.27
Nanticoke Creek	Main-2	24303	500-year	89.4	204.57	206.54		206.59	0.000547	1.22	103.33	74.8	0.28
Nanticoke Creek	Main-2	24303	1000-year	101.9	204.57	206.65		206.71	0.00057	1.3	111.72	75.93	0.29
Nanticoke Creek	Main-2	24303	Hazel	222.5	204.57	207.48		207.59	0.000733	1.84	184.03	98.96	0.34
Nanticoke Creek	Main-2	24258	25-year	40.8	204.56	205.96		205.99	0.00046	0.88	55.87	56.08	0.24
Nanticoke Creek	Main-2	24258	50-year	51.1	204.56	206.09		206.13	0.0005	0.98	63.49	57.26	0.25
Nanticoke Creek	Main-2	24258	100-year	62	204.56	206.22		206.27	0.000533	1.07	71	58.15	0.27
Nanticoke Creek	Main-2	24258	200-year	73.4	204.56	206.35		206.4	0.000566	1.16	78.12	58.58	0.28
Nanticoke Creek	Main-2	24258	350-year	83.1	204.56	206.44		206.5	0.000591	1.22	83.74	58.92	0.29
Nanticoke Creek	Main-2	24258	500-year	89.4	204.56	206.5		206.56	0.000607	1.27	87.2	59.12	0.29
Nanticoke Creek	Main-2	24258	1000-year	101.9	204.56	206.61		206.68	0.00064	1.35	93.54	59.53	0.3
Nanticoke Creek	Main-2	24258	Hazel	222.5	204.56	207.39		207.54	0.000924	2.01	142.95	74.96	0.38
Nanticoke Creek	Main-2	24193	25-year	40.8	204.56	205.93		205.96	0.000419	0.83	54.13	47.79	0.23
Nanticoke Creek	Main-2	24193	50-year	51.1	204.56	206.06		206.1	0.00047	0.93	60.43	48.64	0.25
Nanticoke Creek	Main-2	24193	100-year	62	204.56	206.19		206.24	0.000515	1.03	66.61	49.53	0.26
Nanticoke Creek	Main-2	24193	200-year	73.4	204.56	206.31		206.36	0.00056	1.13	72.48	50.26	0.27
Nanticoke Creek	Main-2	24193	350-year	83.1	204.56	206.4		206.46	0.000595	1.2	77.13	50.78	0.29
Nanticoke Creek	Main-2	24193	500-year	89.4	204.56	206.46		206.52	0.000617	1.25	80.01	51.04	0.29
Nanticoke Creek	Main-2	24193	1000-year	101.9	204.56	206.56		206.64	0.000664	1.34	85.28	52.06	0.31
Nanticoke Creek	Main-2	24193	Hazel	222.5	204.56	207.3		207.48	0.001014	2.05	126.95	65.56	0.4
Nanticoke Creek	Main-2	24146	25-year	40.8	204.56	205.89		205.94	0.000629	1	50.45	49.52	0.28
Nanticoke Creek	Main-2	24146	50-year	51.1	204.56	206.02		206.07	0.000706	1.12	56.65	50.16	0.3
Nanticoke Creek	Main-2	24146	100-year	62	204.56	206.14		206.21	0.000774	1.24	62.72	51.06	0.32
Nanticoke Creek	Main-2	24146	200-year	73.4	204.56	206.25		206.33	0.000841	1.35	68.44	51.67	0.34
Nanticoke Creek	Main-2	24146	350-year	83.1	204.56	206.34		206.43	0.000894	1.44	72.97	52.17	0.35
Nanticoke Creek	Main-2	24146	500-year	89.4	204.56	206.39		206.49	0.000927	1.5	75.75	52.44	0.36
Nanticoke Creek	Main-2	24146	1000-year	101.9	204.56	206.48		206.6	0.000997	1.61	80.78	52.99	0.37
Nanticoke Creek	Main-2	24146	Hazel	222.5	204.56	207.16		207.41	0.001569	2.47	118.17	57.92	0.49
Nanticoke Creek	Main-2	24100	25-year	40.8	204.56	205.86		205.9	0.000794	1.07	58.35	71.82	0.31
Nanticoke Creek	Main-2	24100	50-year	51.1	204.56	205.98		206.04	0.000857	1.19	67.24	72.97	0.32
Nanticoke Creek	Main-2	24100	100-year	62	204.56	206.1		206.17	0.000911	1.29	76	74.4	0.34
Nanticoke Creek	Main-2	24100	200-year	73.4	204.56	206.21		206.29	0.000962	1.39	84.26	75.11	0.35
Nanticoke Creek	Main-2	24100	350-year	83.1	204.56	206.3		206.38	0.001004	1.48	90.77	75.71	0.36
Nanticoke Creek	Main-2	24100	500-year	89.4	204.56	206.35		206.44	0.001031	1.53	94.78	76.2	0.37
Nanticoke Creek	Main-2	24100	1000-year	101.9	204.56	206.44		206.54	0.001089	1.62	102.01	76.74	0.38

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-2	24100	Hazel	222.5	204.56	207.12		207.33	0.001564	2.4	155.71	81.74	0.48
Nanticoke Creek	Main-2	24000	25-year	40.8	204.53	205.69		205.79	0.001771	1.46	37.9	61.41	0.45
Nanticoke Creek	Main-2	24000	50-year	51.1	204.53	205.8		205.92	0.001931	1.62	44.71	69.46	0.48
Nanticoke Creek	Main-2	24000	100-year	62	204.53	205.89		206.04	0.002103	1.78	51.74	75.54	0.5
Nanticoke Creek	Main-2	24000	200-year	73.4	204.53	205.99		206.15	0.00222	1.92	58.94	77.28	0.52
Nanticoke Creek	Main-2	24000	350-year	83.1	204.53	206.06		206.24	0.002313	2.03	64.77	83.64	0.54
Nanticoke Creek	Main-2	24000	500-year	89.4	204.53	206.1		206.29	0.002387	2.1	68.37	85.13	0.55
Nanticoke Creek	Main-2	24000	1000-year	101.9	204.53	206.18		206.39	0.002486	2.22	75.31	86.48	0.57
Nanticoke Creek	Main-2	24000	Hazel	222.5	204.53	206.72		207.11	0.003519	3.22	127.98	108.99	0.71
Nanticoke Creek	Main-2	23900	25-year	40.8	204.52	205.59		205.65	0.001174	1.17	49.57	76.5	0.37
Nanticoke Creek	Main-2	23900	50-year	51.1	204.52	205.69		205.76	0.001256	1.29	57.59	80.51	0.38
Nanticoke Creek	Main-2	23900	100-year	62	204.52	205.79		205.87	0.001314	1.39	65.8	85.42	0.4
Nanticoke Creek	Main-2	23900	200-year	73.4	204.52	205.89		205.97	0.001371	1.5	74.18	89.93	0.41
Nanticoke Creek	Main-2	23900	350-year	83.1	204.52	205.96		206.05	0.001401	1.57	81.1	92.78	0.42
Nanticoke Creek	Main-2	23900	500-year	89.4	204.52	206.01		206.1	0.001428	1.62	85.23	94.23	0.43
Nanticoke Creek	Main-2	23900	1000-year	101.9	204.52	206.09		206.19	0.001516	1.72	92.75	100.17	0.44
Nanticoke Creek	Main-2	23900	Hazel	222.5	204.52	206.64		206.83	0.002024	2.44	154.34	127.14	0.54
Nanticoke Creek	Main-2	23800	25-year	40.8	204.51	205.37	205.23	205.48	0.003208	1.64	32.13	61.62	0.58
Nanticoke Creek	Main-2	23800	50-year	51.1	204.51	205.47	205.3	205.59	0.003109	1.73	38.46	63.68	0.58
Nanticoke Creek	Main-2	23800	100-year	62	204.51	205.58		205.7	0.002975	1.81	45.19	70.18	0.57
Nanticoke Creek	Main-2	23800	200-year	73.4	204.51	205.67		205.81	0.002916	1.9	52.09	80.55	0.58
Nanticoke Creek	Main-2	23800	350-year	83.1	204.51	205.75		205.89	0.00286	1.97	58.46	85.12	0.58
Nanticoke Creek	Main-2	23800	500-year	89.4	204.51	205.79		205.94	0.002796	2	62.57	87.79	0.57
Nanticoke Creek	Main-2	23800	1000-year	101.9	204.51	205.86		206.02	0.002898	2.11	68.58	88.7	0.59
Nanticoke Creek	Main-2	23800	Hazel	222.5	204.51	206.28		206.6	0.004246	3.08	107.79	96.89	0.75
Nanticoke Creek	Main-2	23768	25-year	40.8	204.49	205.09		205.22	0.006701	1.85	29.89	54.45	0.79
Nanticoke Creek	Main-2	23768	50-year	51.1	204.49	205.13		205.31	0.008355	2.16	32.27	59.1	0.89
Nanticoke Creek	Main-2	23768	100-year	62	204.49	205.18	205.1	205.41	0.009567	2.43	35.59	65.74	0.96
Nanticoke Creek	Main-2	23768	200-year	73.4	204.49	205.25	205.17	205.51	0.010046	2.62	40.06	72.51	1
Nanticoke Creek	Main-2	23768	350-year	83.1	204.49	205.3	205.24	205.59	0.01023	2.77	44.1	79	1.02
Nanticoke Creek	Main-2	23768	500-year	89.4	204.49	205.34	205.24	205.64	0.010134	2.84	47.21	83.89	1.02
Nanticoke Creek	Main-2	23768	1000-year	101.9	204.49	205.41	205.4	205.72	0.009504	2.91	53.46	93.7	1
Nanticoke Creek	Main-2	23768	Hazel	222.5	204.49	206.05		206.32	0.004424	2.88	118.91	104.42	0.75
Nanticoke Creek	Main-2	23682	25-year	40.8	204.46	205.02	205.02	205.04	0.001002	0.72	81.92	139.44	0.31
Nanticoke Creek	Main-2	23682	50-year	51.1	204.46	205.02	205.02	205.04	0.001571	0.9	81.92	139.44	0.38
Nanticoke Creek	Main-2	23682	100-year	62	204.46	205.02	205.02	205.05	0.002313	1.09	81.92	139.44	0.47
Nanticoke Creek	Main-2	23682	200-year	73.4	204.46	205.02	205.02	205.07	0.003242	1.29	81.92	139.44	0.55
Nanticoke Creek	Main-2	23682	350-year	83.1	204.46	205.02	205.02	205.08	0.004156	1.46	81.92	139.44	0.62
Nanticoke Creek	Main-2	23682	500-year	89.4	204.46	205.02	205.02	205.09	0.00481	1.57	81.92	139.44	0.67
Nanticoke Creek	Main-2	23682	1000-year	101.9	204.46	205.02	205.02	205.11	0.006249	1.79	81.92	139.44	0.76
Nanticoke Creek	Main-2	23682	Hazel	222.5	204.46	206.03	205.02	206.09	0.00147	1.73	227.81	147.88	0.44
Nanticoke Creek	Main-2	23627	25-year	40.8	202.29	203.64	203.64	203.93	0.004598	2.62	25.71	80.13	0.74
Nanticoke Creek	Main-2	23627	50-year	51.1	202.29	203.82	203.67	203.94	0.002225	1.99	54.92	89.03	0.53
Nanticoke Creek	Main-2	23627	100-year	62	202.29	204	203.72	204.1	0.001711	1.89	71.83	99.14	0.47
Nanticoke Creek	Main-2	23627	200-year	73.4	202.29	204.18	203.79	204.26	0.001358	1.8	89.67	103.55	0.43
Nanticoke Creek	Main-2	23627	350-year	83.1	202.29	204.32	203.84	204.39	0.00114	1.74	105.7	116.15	0.4
Nanticoke Creek	Main-2	23627	500-year	89.4	202.29	204.41	203.89	204.48	0.00103	1.7	116.83	124.53	0.38
Nanticoke Creek	Main-2	23627	1000-year	101.9	202.29	204.6	203.95	204.66	0.000857	1.64	140.63	133.17	0.35
Nanticoke Creek	Main-2	23627	Hazel	222.5	202.29	206	204.39	206.04	0.000345	1.45	335.92	145.41	0.24
Nanticoke Creek	Main-2	23530	25-year	40.8	202.04	203.58		203.64	0.000593	1.06	42.87	53.96	0.28
Nanticoke Creek	Main-2	23530	50-year	51.1	202.04	203.76		203.82	0.00058	1.13	56.49	87.58	0.28
Nanticoke Creek	Main-2	23530	100-year	62	202.04	203.94		204	0.000542	1.17	72.33	89.36	0.27
Nanticoke Creek	Main-2	23530	200-year	73.4	202.04	204.12		204.18	0.000501	1.2	88.42	91.31	0.27
Nanticoke Creek	Main-2	23530	350-year	83.1	202.04	204.27		204.33	0.000466	1.21	101.98	92.45	0.26
Nanticoke Creek	Main-2	23530	500-year	89.4	202.04	204.36		204.42	0.000445	1.21	110.75	93.01	0.26
Nanticoke Creek	Main-2	23530	1000-year	101.9	202.04	204.55		204.6	0.000405	1.22	128.23	94.69	0.25
Nanticoke Creek	Main-2	23530	Hazel	222.5	202.04	205.96		206.02	0.00026	1.32	299.36	133.76	0.21

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-2	23493	25-year	40.8	202.02	203.5		203.6	0.001297	1.47	38.41	53.28	0.39
Nanticoke Creek	Main-2	23493	50-year	51.1	202.02	203.68		203.79	0.001254	1.56	47.93	54.84	0.4
Nanticoke Creek	Main-2	23493	100-year	62	202.02	203.85		203.97	0.001197	1.64	57.62	55.87	0.39
Nanticoke Creek	Main-2	23493	200-year	73.4	202.02	204.03		204.15	0.001137	1.7	67.45	56.85	0.39
Nanticoke Creek	Main-2	23493	350-year	83.1	202.02	204.17		204.3	0.001087	1.74	75.72	58	0.39
Nanticoke Creek	Main-2	23493	500-year	89.4	202.02	204.26		204.39	0.001056	1.77	81.16	58.94	0.38
Nanticoke Creek	Main-2	23493	1000-year	101.9	202.02	204.44		204.58	0.001008	1.82	92.09	62.69	0.38
Nanticoke Creek	Main-2	23493	Hazel	222.5	202.02	205.88		206	0.000581	1.9	255.33	131.2	0.31
Nanticoke Creek	Main-2	23442	25-year	40.8	202	203.44		203.53	0.001319	1.45	42.09	51.11	0.4
Nanticoke Creek	Main-2	23442	50-year	51.1	202	203.62		203.72	0.001249	1.54	51.44	53.39	0.39
Nanticoke Creek	Main-2	23442	100-year	62	202	203.8		203.91	0.00118	1.61	61.39	56.96	0.39
Nanticoke Creek	Main-2	23442	200-year	73.4	202	203.98		204.09	0.001112	1.66	72.01	60.85	0.39
Nanticoke Creek	Main-2	23442	350-year	83.1	202	204.13		204.24	0.001055	1.7	81.2	64.31	0.38
Nanticoke Creek	Main-2	23442	500-year	89.4	202	204.22		204.34	0.001018	1.73	87.47	69.72	0.38
Nanticoke Creek	Main-2	23442	1000-year	101.9	202	204.41		204.52	0.000958	1.77	103.95	106.13	0.37
Nanticoke Creek	Main-2	23442	Hazel	222.5	202	205.88		205.96	0.000468	1.72	313.38	161.41	0.28
Nanticoke Creek	Main-2	23378	25-year	40.8	201.97	203.39		203.46	0.001016	1.31	47.39	48.21	0.36
Nanticoke Creek	Main-2	23378	50-year	51.1	201.97	203.57		203.65	0.001027	1.43	56.74	60.97	0.37
Nanticoke Creek	Main-2	23378	100-year	62	201.97	203.75		203.84	0.000989	1.51	68.52	67.9	0.37
Nanticoke Creek	Main-2	23378	200-year	73.4	201.97	203.93		204.03	0.000931	1.57	81.48	75.33	0.36
Nanticoke Creek	Main-2	23378	350-year	83.1	201.97	204.07		204.18	0.000959	1.67	93.08	86.07	0.37
Nanticoke Creek	Main-2	23378	500-year	89.4	201.97	204.17		204.28	0.000902	1.67	101.85	89.84	0.36
Nanticoke Creek	Main-2	23378	1000-year	101.9	201.97	204.36		204.47	0.000834	1.7	120.21	102.91	0.35
Nanticoke Creek	Main-2	23378	Hazel	222.5	201.97	205.87		205.94	0.000395	1.62	326.64	152.75	0.26
Nanticoke Creek	Main-2	23325	25-year	40.8	201.77	203.29		203.4	0.001305	1.51	36.05	47.74	0.4
Nanticoke Creek	Main-2	23325	50-year	51.1	201.77	203.47		203.59	0.001311	1.63	44.95	52.49	0.41
Nanticoke Creek	Main-2	23325	100-year	62	201.77	203.65		203.78	0.00128	1.73	55.14	61.29	0.41
Nanticoke Creek	Main-2	23325	200-year	73.4	201.77	203.83		203.97	0.001211	1.79	66.74	66.06	0.41
Nanticoke Creek	Main-2	23325	350-year	83.1	201.77	203.98		204.12	0.001169	1.85	77.2	73.18	0.4
Nanticoke Creek	Main-2	23325	500-year	89.4	201.77	204.08		204.22	0.001118	1.86	84.74	77.44	0.4
Nanticoke Creek	Main-2	23325	1000-year	101.9	201.77	204.28		204.42	0.00101	1.88	101.14	94.18	0.38
Nanticoke Creek	Main-2	23325	Hazel	222.5	201.77	205.83		205.92	0.000435	1.71	309.55	152.8	0.27
Nanticoke Creek	Main-2	23232	25-year	40.8	201.55	203.2		203.28	0.001108	1.5	44.2	71.69	0.38
Nanticoke Creek	Main-2	23232	50-year	51.1	201.55	203.41		203.48	0.000879	1.45	59.39	73.19	0.34
Nanticoke Creek	Main-2	23232	100-year	62	201.55	203.61		203.68	0.000731	1.42	74.42	74.71	0.32
Nanticoke Creek	Main-2	23232	200-year	73.4	201.55	203.81		203.87	0.000624	1.4	89.52	75.97	0.3
Nanticoke Creek	Main-2	23232	350-year	83.1	201.55	203.97		204.03	0.000564	1.39	101.81	77.88	0.29
Nanticoke Creek	Main-2	23232	500-year	89.4	201.55	204.08		204.13	0.000526	1.38	110.11	78.91	0.28
Nanticoke Creek	Main-2	23232	1000-year	101.9	201.55	204.28		204.34	0.000464	1.37	126.57	81.55	0.27
Nanticoke Creek	Main-2	23232	Hazel	222.5	201.55	205.83		205.88	0.000259	1.39	297.6	127.37	0.21
Nanticoke Creek	Main-2	23156	25-year	40.8	201.47	203.19		203.22	0.000371	0.85	56.26	50.68	0.22
Nanticoke Creek	Main-2	23156	50-year	51.1	201.47	203.39		203.43	0.000366	0.92	66.6	52.03	0.22
Nanticoke Creek	Main-2	23156	100-year	62	201.47	203.59		203.63	0.000359	0.98	77.04	53.26	0.22
Nanticoke Creek	Main-2	23156	200-year	73.4	201.47	203.79		203.83	0.00035	1.03	87.66	54.52	0.22
Nanticoke Creek	Main-2	23156	350-year	83.1	201.47	203.94		203.99	0.000344	1.07	96.35	56.16	0.22
Nanticoke Creek	Main-2	23156	500-year	89.4	201.47	204.05		204.1	0.000344	1.1	102.35	61.34	0.23
Nanticoke Creek	Main-2	23156	1000-year	101.9	201.47	204.25		204.31	0.000331	1.14	115.28	67.31	0.22
Nanticoke Creek	Main-2	23156	Hazel	222.5	201.47	205.78		205.86	0.000258	1.37	242.19	93.66	0.21
Nanticoke Creek	Main-2	23088	25-year	40.8	201.44	203.13		203.19	0.000623	1.16	56.07	55.84	0.29
Nanticoke Creek	Main-2	23088	50-year	51.1	201.44	203.34		203.4	0.000611	1.24	67.35	56.44	0.29
Nanticoke Creek	Main-2	23088	100-year	62	201.44	203.53		203.6	0.000597	1.31	78.6	57.15	0.29
Nanticoke Creek	Main-2	23088	200-year	73.4	201.44	203.73		203.8	0.00058	1.37	89.94	57.87	0.29
Nanticoke Creek	Main-2	23088	350-year	83.1	201.44	203.89		203.96	0.000571	1.42	99.12	58.86	0.29
Nanticoke Creek	Main-2	23088	500-year	89.4	201.44	203.99		204.07	0.00056	1.45	105.38	62.32	0.29
Nanticoke Creek	Main-2	23088	1000-year	101.9	201.44	204.19		204.28	0.000563	1.52	118.36	66.97	0.3
Nanticoke Creek	Main-2	23088	Hazel	222.5	201.44	205.72		205.83	0.000446	1.83	240.97	87.86	0.28
Nanticoke Creek	Main-2	22984	25-year	40.8	201.23	203.06		203.13	0.000684	1.27	60.67	76.14	0.3
Nanticoke Creek	Main-2	22984	50-year	51.1	201.23	203.27		203.34	0.000625	1.31	76.97	77.47	0.29

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-2	22984	100-year	62	201.23	203.48		203.54	0.000578	1.34	93.05	78.44	0.29
Nanticoke Creek	Main-2	22984	200-year	73.4	201.23	203.68		203.75	0.000537	1.37	109.14	79.39	0.28
Nanticoke Creek	Main-2	22984	350-year	83.1	201.23	203.84		203.91	0.000511	1.4	122.04	79.98	0.28
Nanticoke Creek	Main-2	22984	500-year	89.4	201.23	203.95		204.02	0.000492	1.41	130.67	80.37	0.27
Nanticoke Creek	Main-2	22984	1000-year	101.9	201.23	204.16		204.22	0.000459	1.43	147.25	81.11	0.27
Nanticoke Creek	Main-2	22984	Hazel	222.5	201.23	205.71		205.78	0.000357	1.68	277.52	87.21	0.25
Nanticoke Creek	Main-2	22936	25-year	40.8	201.23	203.04		203.09	0.000601	1.13	68.43	83.33	0.28
Nanticoke Creek	Main-2	22936	50-year	51.1	201.23	203.26		203.31	0.000535	1.16	86.56	84.57	0.27
Nanticoke Creek	Main-2	22936	100-year	62	201.23	203.47		203.52	0.000487	1.18	104.34	85.72	0.26
Nanticoke Creek	Main-2	22936	200-year	73.4	201.23	203.67		203.72	0.000449	1.21	122.11	86.67	0.25
Nanticoke Creek	Main-2	22936	350-year	83.1	201.23	203.84		203.89	0.000425	1.23	136.3	87.4	0.25
Nanticoke Creek	Main-2	22936	500-year	89.4	201.23	203.95		203.99	0.000408	1.24	145.79	87.94	0.25
Nanticoke Creek	Main-2	22936	1000-year	101.9	201.23	204.15		204.2	0.000381	1.26	164.06	88.88	0.24
Nanticoke Creek	Main-2	22936	Hazel	222.5	201.23	205.71		205.77	0.000294	1.48	307.39	95.85	0.23
Nanticoke Creek	Main-2	22900	25-year	40.8	201.23	203.03		203.07	0.000414	0.97	69.16	76.52	0.23
Nanticoke Creek	Main-2	22900	50-year	51.1	201.23	203.25		203.29	0.00039	1.01	85.77	77.57	0.23
Nanticoke Creek	Main-2	22900	100-year	62	201.23	203.46		203.5	0.000372	1.06	102.05	78.78	0.23
Nanticoke Creek	Main-2	22900	200-year	73.4	201.23	203.66		203.71	0.000354	1.1	118.38	79.73	0.23
Nanticoke Creek	Main-2	22900	350-year	83.1	201.23	203.83		203.87	0.000344	1.13	131.44	80.51	0.23
Nanticoke Creek	Main-2	22900	500-year	89.4	201.23	203.93		203.98	0.000334	1.14	140.18	80.94	0.22
Nanticoke Creek	Main-2	22900	1000-year	101.9	201.23	204.14		204.19	0.000318	1.17	156.97	81.83	0.22
Nanticoke Creek	Main-2	22900	Hazel	222.5	201.23	205.69		205.76	0.000266	1.44	288.83	87.71	0.22
Nanticoke Creek	Main-2	22864	25-year	40.8	201.23	203.01		203.06	0.000527	1.04	65.51	62.54	0.26
Nanticoke Creek	Main-2	22864	50-year	51.1	201.23	203.23		203.28	0.000499	1.1	79.1	63.83	0.26
Nanticoke Creek	Main-2	22864	100-year	62	201.23	203.44		203.49	0.00048	1.16	92.46	65.03	0.26
Nanticoke Creek	Main-2	22864	200-year	73.4	201.23	203.64		203.69	0.000462	1.21	105.98	66.62	0.26
Nanticoke Creek	Main-2	22864	350-year	83.1	201.23	203.8		203.86	0.000451	1.25	116.86	67.62	0.26
Nanticoke Creek	Main-2	22864	500-year	89.4	201.23	203.91		203.97	0.00044	1.27	124.21	68.43	0.25
Nanticoke Creek	Main-2	22864	1000-year	101.9	201.23	204.12		204.18	0.000421	1.31	138.41	69.53	0.25
Nanticoke Creek	Main-2	22864	Hazel	222.5	201.23	205.66		205.75	0.000359	1.63	255.69	83.94	0.25
Nanticoke Creek	Main-2	22800	25-year	40.8	201.2	202.97		203.02	0.000597	1.12	47.28	52.13	0.28
Nanticoke Creek	Main-2	22800	50-year	51.1	201.2	203.19		203.24	0.000546	1.16	59.09	55.48	0.27
Nanticoke Creek	Main-2	22800	100-year	62	201.2	203.4		203.46	0.000508	1.2	71.19	58.99	0.26
Nanticoke Creek	Main-2	22800	200-year	73.4	201.2	203.61		203.67	0.000472	1.23	83.77	61.34	0.26
Nanticoke Creek	Main-2	22800	350-year	83.1	201.2	203.77		203.83	0.00045	1.26	94.04	63.2	0.25
Nanticoke Creek	Main-2	22800	500-year	89.4	201.2	203.88		203.94	0.000432	1.27	101.04	64.1	0.25
Nanticoke Creek	Main-2	22800	1000-year	101.9	201.2	204.09		204.15	0.000403	1.29	114.63	65.75	0.25
Nanticoke Creek	Main-2	22800	Hazel	222.5	201.2	205.65		205.72	0.000307	1.51	227.58	80.14	0.23
Nanticoke Creek	Main-2	22700	25-year	40.8	201.14	202.92		202.97	0.000421	0.99	49.04	46.73	0.24
Nanticoke Creek	Main-2	22700	50-year	51.1	201.14	203.15		203.19	0.000403	1.04	59.76	49.84	0.24
Nanticoke Creek	Main-2	22700	100-year	62	201.14	203.36		203.41	0.000387	1.09	70.62	52.28	0.24
Nanticoke Creek	Main-2	22700	200-year	73.4	201.14	203.57		203.62	0.000371	1.14	81.8	54.12	0.23
Nanticoke Creek	Main-2	22700	350-year	83.1	201.14	203.73		203.79	0.000361	1.17	90.87	55.52	0.23
Nanticoke Creek	Main-2	22700	500-year	89.4	201.14	203.84		203.9	0.000351	1.19	97.07	56.51	0.23
Nanticoke Creek	Main-2	22700	1000-year	101.9	201.14	204.06		204.11	0.000334	1.22	109.17	58.39	0.23
Nanticoke Creek	Main-2	22700	Hazel	222.5	201.14	205.62		205.69	0.000268	1.46	209.36	69.49	0.22
Nanticoke Creek	Main-2	22625	25-year	40.8	201.13	202.9		202.93	0.000428	0.95	71.97	73.11	0.24
Nanticoke Creek	Main-2	22625	50-year	51.1	201.13	203.12		203.16	0.00039	0.99	89.28	79.23	0.23
Nanticoke Creek	Main-2	22625	100-year	62	201.13	203.34		203.38	0.000359	1.02	106.81	82.87	0.22
Nanticoke Creek	Main-2	22625	200-year	73.4	201.13	203.55		203.59	0.000331	1.04	124.65	84.41	0.22
Nanticoke Creek	Main-2	22625	350-year	83.1	201.13	203.72		203.76	0.000313	1.07	138.87	85.1	0.22
Nanticoke Creek	Main-2	22625	500-year	89.4	201.13	203.83		203.87	0.0003	1.07	148.46	85.69	0.21
Nanticoke Creek	Main-2	22625	1000-year	101.9	201.13	204.05		204.08	0.000281	1.09	167.14	89.61	0.21
Nanticoke Creek	Main-2	22625	Hazel	222.5	201.13	205.62		205.67	0.000217	1.29	324.79	113.62	0.2
Nanticoke Creek	Main-2	22545	25-year	40.8	201.13	202.77		202.87	0.001016	1.42	33.48	28.45	0.36
Nanticoke Creek	Main-2	22545	50-year	51.1	201.13	202.98		203.1	0.001043	1.56	39.81	33.38	0.37
Nanticoke Creek	Main-2	22545	100-year	62	201.13	203.18		203.32	0.001056	1.68	46.97	39.11	0.38
Nanticoke Creek	Main-2	22545	200-year	73.4	201.13	203.38		203.53	0.001034	1.78	55.65	45.39	0.38

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-2	22545	350-year	83.1	201.13	203.55		203.7	0.001003	1.84	63.23	48.17	0.38
Nanticoke Creek	Main-2	22545	500-year	89.4	201.13	203.66		203.82	0.000974	1.87	68.68	50.49	0.38
Nanticoke Creek	Main-2	22545	1000-year	101.9	201.13	203.87		204.03	0.000911	1.91	79.79	53.81	0.37
Nanticoke Creek	Main-2	22545	Hazel	222.5	201.13	205.44		205.62	0.000663	2.21	189.94	87.11	0.34
Nanticoke Creek	Main-2	22497	25-year	40.8	201	202.75		202.82	0.000982	1.42	53.09	48.8	0.35
Nanticoke Creek	Main-2	22497	50-year	51.1	201	202.96		203.04	0.000937	1.51	64.09	52.3	0.35
Nanticoke Creek	Main-2	22497	100-year	62	201	203.17		203.26	0.000898	1.58	75.11	53.14	0.35
Nanticoke Creek	Main-2	22497	200-year	73.4	201	203.38		203.47	0.000856	1.65	86.34	53.89	0.35
Nanticoke Creek	Main-2	22497	350-year	83.1	201	203.55		203.64	0.00083	1.7	95.33	54.42	0.35
Nanticoke Creek	Main-2	22497	500-year	89.4	201	203.66		203.75	0.000805	1.72	101.48	54.81	0.34
Nanticoke Creek	Main-2	22497	1000-year	101.9	201	203.88		203.97	0.000764	1.77	113.34	55.69	0.34
Nanticoke Creek	Main-2	22497	Hazel	222.5	201	205.44		205.58	0.000654	2.21	237.46	113.2	0.34
Nanticoke Creek	Main-2	22399	25-year	40.8	200.8	202.57		202.71	0.001248	1.69	32.85	43.29	0.41
Nanticoke Creek	Main-2	22399	50-year	51.1	200.8	202.78		202.93	0.001253	1.82	42.4	47.64	0.42
Nanticoke Creek	Main-2	22399	100-year	62	200.8	202.99		203.15	0.0012	1.91	52.88	52.07	0.42
Nanticoke Creek	Main-2	22399	200-year	73.4	200.8	203.21		203.37	0.001125	1.97	66.31	74.4	0.41
Nanticoke Creek	Main-2	22399	350-year	83.1	200.8	203.39		203.55	0.001024	1.97	82.05	106.95	0.39
Nanticoke Creek	Main-2	22399	500-year	89.4	200.8	203.52		203.67	0.000938	1.95	96.27	112.5	0.38
Nanticoke Creek	Main-2	22399	1000-year	101.9	200.8	203.77		203.9	0.000755	1.86	125.88	117.94	0.35
Nanticoke Creek	Main-2	22399	Hazel	222.5	200.8	205.44		205.51	0.000336	1.68	337.06	132.62	0.25
Nanticoke Creek	Main-2	22338	25-year	40.8	200.77	202.59		202.64	0.000594	1.15	65.97	67.91	0.28
Nanticoke Creek	Main-2	22338	50-year	51.1	200.77	202.81		202.86	0.000558	1.2	81.17	70.53	0.27
Nanticoke Creek	Main-2	22338	100-year	62	200.77	203.02		203.08	0.000519	1.25	96.69	71.5	0.27
Nanticoke Creek	Main-2	22338	200-year	73.4	200.77	203.24		203.3	0.000485	1.28	112.7	73.52	0.26
Nanticoke Creek	Main-2	22338	350-year	83.1	200.77	203.42		203.48	0.000465	1.32	127.26	96.95	0.26
Nanticoke Creek	Main-2	22338	500-year	89.4	200.77	203.55		203.61	0.000459	1.35	140.69	122.73	0.26
Nanticoke Creek	Main-2	22338	1000-year	101.9	200.77	203.79		203.85	0.000431	1.39	172.38	132.81	0.26
Nanticoke Creek	Main-2	22338	Hazel	222.5	200.77	205.45		205.49	0.000221	1.34	402.26	143.29	0.2
Nanticoke Creek	Main-2	22277	25-year	40.8	199.64	202.57		202.61	0.000268	0.93	77.86	81.36	0.19
Nanticoke Creek	Main-2	22277	50-year	51.1	199.64	202.8		202.83	0.000261	0.98	96.03	82.13	0.19
Nanticoke Creek	Main-2	22277	100-year	62	199.64	203.02		203.05	0.00025	1.01	114.22	82.84	0.19
Nanticoke Creek	Main-2	22277	200-year	73.4	199.64	203.24		203.28	0.000238	1.03	132.86	86.69	0.19
Nanticoke Creek	Main-2	22277	350-year	83.1	199.64	203.42		203.46	0.000226	1.05	151.31	111.13	0.18
Nanticoke Creek	Main-2	22277	500-year	89.4	199.64	203.55		203.58	0.000225	1.07	165.64	120.09	0.18
Nanticoke Creek	Main-2	22277	1000-year	101.9	199.64	203.79		203.83	0.000194	1.04	196.61	129.98	0.17
Nanticoke Creek	Main-2	22277	Hazel	222.5	199.64	205.46		205.48	0.00011	1	438	152.53	0.14
Nanticoke Creek	Main-2	22274	25-year	40.8	199.47	202.54	201.13	202.6	0.000401	1.13	42.95	81.89	0.23
Nanticoke Creek	Main-2	22274	50-year	51.1	199.47	202.75	201.31	202.82	0.000456	1.27	48.1	82.82	0.25
Nanticoke Creek	Main-2	22274	100-year	62	199.47	202.95	201.53	203.04	0.000499	1.4	53.29	83.61	0.27
Nanticoke Creek	Main-2	22274	200-year	73.4	199.47	203.15	201.71	203.25	0.00053	1.51	58.64	84.44	0.28
Nanticoke Creek	Main-2	22274	350-year	83.1	199.47	203.32	201.83	203.43	0.000548	1.6	63.1	100.9	0.29
Nanticoke Creek	Main-2	22274	500-year	89.4	199.47	203.44	201.91	203.56	0.00055	1.64	66.26	107.31	0.29
Nanticoke Creek	Main-2	22274	1000-year	101.9	199.47	203.67	202.02	203.8	0.000548	1.71	72.52	120.35	0.29
Nanticoke Creek	Main-2	22274	Hazel	222.5	199.47	205.46	203.03	205.48	0.000092	0.93	438.08	153.09	0.13
Nanticoke Creek	Main-2	22262		Bridge									
Nanticoke Creek	Main-2	22251	25-year	40.8	199.44	202.49	201.1	202.57	0.000543	1.34	36.6	89.02	0.27
Nanticoke Creek	Main-2	22251	50-year	51.1	199.44	202.67	201.28	202.78	0.000654	1.54	40.88	89.82	0.3
Nanticoke Creek	Main-2	22251	100-year	62	199.44	202.84	201.45	202.98	0.000757	1.73	45.15	91.16	0.33
Nanticoke Creek	Main-2	22251	200-year	73.4	199.44	203.01	201.62	203.18	0.000848	1.91	49.66	94.4	0.35
Nanticoke Creek	Main-2	22251	350-year	83.1	199.44	203.15	201.76	203.35	0.000909	2.04	53.69	95.54	0.37
Nanticoke Creek	Main-2	22251	500-year	89.4	199.44	203.26	201.84	203.46	0.00093	2.1	56.67	96.51	0.37
Nanticoke Creek	Main-2	22251	1000-year	101.9	199.44	203.45	202.1	203.68	0.000956	2.22	62.7	102.89	0.38
Nanticoke Creek	Main-2	22251	Hazel	222.5	199.44	204.97	203.34	204.99	0.000138	1.08	367.67	147.78	0.16
Nanticoke Creek	Main-2	22245	25-year	40.8	199.86	202.51		202.54	0.000369	1.02	91.09	105.15	0.22
Nanticoke Creek	Main-2	22245	50-year	51.1	199.86	202.7		202.74	0.000357	1.06	111.48	105.82	0.22
Nanticoke Creek	Main-2	22245	100-year	62	199.86	202.89		202.92	0.000346	1.09	131.41	106.48	0.22
Nanticoke Creek	Main-2	22245	200-year	73.4	199.86	203.08		203.11	0.000332	1.12	151.36	107.13	0.21

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-2	22245	350-year	83.1	199.86	203.23		203.26	0.000321	1.14	167.73	107.72	0.21
Nanticoke Creek	Main-2	22245	500-year	89.4	199.86	203.34		203.37	0.000308	1.15	179.34	108.13	0.21
Nanticoke Creek	Main-2	22245	1000-year	101.9	199.86	203.55		203.58	0.000285	1.15	202.76	116.68	0.2
Nanticoke Creek	Main-2	22245	Hazel	222.5	199.86	204.96		204.99	0.000244	1.36	391.15	145.52	0.2
Nanticoke Creek	Main-2	22200	25-year	40.8	200.67	202.46		202.52	0.000677	1.27	75.75	106.56	0.3
Nanticoke Creek	Main-2	22200	50-year	51.1	200.67	202.66		202.71	0.000605	1.28	97.65	115.1	0.29
Nanticoke Creek	Main-2	22200	100-year	62	200.67	202.85		202.9	0.000546	1.3	120.56	126.85	0.28
Nanticoke Creek	Main-2	22200	200-year	73.4	200.67	203.05		203.09	0.00048	1.29	145.52	132.18	0.27
Nanticoke Creek	Main-2	22200	350-year	83.1	200.67	203.2		203.24	0.000436	1.28	166.81	141.73	0.26
Nanticoke Creek	Main-2	22200	500-year	89.4	200.67	203.31		203.35	0.0004	1.26	183.28	151.41	0.25
Nanticoke Creek	Main-2	22200	1000-year	101.9	200.67	203.53		203.56	0.000342	1.23	216.67	157.57	0.23
Nanticoke Creek	Main-2	22200	Hazel	222.5	200.67	204.95		204.98	0.000206	1.25	499.39	208.54	0.19
Nanticoke Creek	Main-2	22141	25-year	40.8	200.62	202.42		202.47	0.000567	1.11	75.8	104.45	0.27
Nanticoke Creek	Main-2	22141	50-year	51.1	200.62	202.63		202.67	0.000497	1.12	97.22	105.45	0.26
Nanticoke Creek	Main-2	22141	100-year	62	200.62	202.82		202.86	0.00045	1.14	117.93	106.38	0.25
Nanticoke Creek	Main-2	22141	200-year	73.4	200.62	203.02		203.06	0.00041	1.15	138.74	107.34	0.24
Nanticoke Creek	Main-2	22141	350-year	83.1	200.62	203.17		203.21	0.000383	1.16	155.71	108.04	0.24
Nanticoke Creek	Main-2	22141	500-year	89.4	200.62	203.29		203.32	0.00036	1.16	167.81	108.55	0.23
Nanticoke Creek	Main-2	22141	1000-year	101.9	200.62	203.5		203.54	0.000324	1.16	191.37	109.74	0.22
Nanticoke Creek	Main-2	22141	Hazel	222.5	200.62	204.91		204.96	0.000268	1.39	351.87	119.63	0.22
Nanticoke Creek	Main-2	22037	25-year	40.8	200.58	202.41		202.42	0.000259	0.76	125.04	121.51	0.18
Nanticoke Creek	Main-2	22037	50-year	51.1	200.58	202.61		202.63	0.00024	0.79	150.14	122.74	0.18
Nanticoke Creek	Main-2	22037	100-year	62	200.58	202.81		202.83	0.000228	0.82	174.36	123.7	0.18
Nanticoke Creek	Main-2	22037	200-year	73.4	200.58	203.01		203.02	0.000217	0.85	198.66	124.72	0.18
Nanticoke Creek	Main-2	22037	350-year	83.1	200.58	203.17		203.18	0.000209	0.87	218.46	125.42	0.18
Nanticoke Creek	Main-2	22037	500-year	89.4	200.58	203.28		203.29	0.0002	0.88	232.58	125.9	0.17
Nanticoke Creek	Main-2	22037	1000-year	101.9	200.58	203.49		203.51	0.000185	0.89	260.02	126.82	0.17
Nanticoke Creek	Main-2	22037	Hazel	222.5	200.58	204.91		204.93	0.000173	1.13	444.79	134.99	0.18
Nanticoke Creek	Main-2	21930	25-year	40.8	200.54	202.38		202.4	0.000312	0.84	98.5	87.49	0.2
Nanticoke Creek	Main-2	21930	50-year	51.1	200.54	202.58		202.61	0.000306	0.9	116.65	89.67	0.2
Nanticoke Creek	Main-2	21930	100-year	62	200.54	202.78		202.8	0.000303	0.95	134.42	92.46	0.21
Nanticoke Creek	Main-2	21930	200-year	73.4	200.54	202.97		203	0.000296	0.99	152.73	94.75	0.21
Nanticoke Creek	Main-2	21930	350-year	83.1	200.54	203.13		203.16	0.000292	1.03	167.88	96.86	0.21
Nanticoke Creek	Main-2	21930	500-year	89.4	200.54	203.24		203.27	0.000283	1.04	178.9	98.23	0.21
Nanticoke Creek	Main-2	21930	1000-year	101.9	200.54	203.46		203.49	0.000266	1.07	200.64	100.85	0.2
Nanticoke Creek	Main-2	21930	Hazel	222.5	200.54	204.87		204.91	0.000254	1.36	352.18	113.89	0.21
Nanticoke Creek	Main-2	21808	25-year	40.8	200.53	202.33		202.36	0.000346	0.88	76.95	74.71	0.21
Nanticoke Creek	Main-2	21808	50-year	51.1	200.53	202.54		202.57	0.000339	0.93	93.34	83.26	0.22
Nanticoke Creek	Main-2	21808	100-year	62	200.53	202.73		202.77	0.000332	0.99	109.95	85.94	0.22
Nanticoke Creek	Main-2	21808	200-year	73.4	200.53	202.93		202.97	0.000322	1.03	127.17	89.68	0.22
Nanticoke Creek	Main-2	21808	350-year	83.1	200.53	203.09		203.13	0.000313	1.06	141.55	91.8	0.22
Nanticoke Creek	Main-2	21808	500-year	89.4	200.53	203.2		203.24	0.000301	1.07	152.13	93.35	0.21
Nanticoke Creek	Main-2	21808	1000-year	101.9	200.53	203.42		203.46	0.000278	1.09	173.02	95.65	0.21
Nanticoke Creek	Main-2	21808	Hazel	222.5	200.53	204.83		204.89	0.000255	1.37	315.82	106.64	0.21
Nanticoke Creek	Main-2	21754	25-year	40.8	200.27	202.3		202.34	0.000375	0.99	66.96	63.41	0.23
Nanticoke Creek	Main-2	21754	50-year	51.1	200.27	202.51		202.55	0.000389	1.08	80.45	71.25	0.24
Nanticoke Creek	Main-2	21754	100-year	62	200.27	202.7		202.75	0.000398	1.15	94.47	75.24	0.24
Nanticoke Creek	Main-2	21754	200-year	73.4	200.27	202.9		202.95	0.000397	1.22	109.35	77.22	0.24
Nanticoke Creek	Main-2	21754	350-year	83.1	200.27	203.05		203.11	0.000393	1.26	121.65	78.51	0.25
Nanticoke Creek	Main-2	21754	500-year	89.4	200.27	203.17		203.23	0.00038	1.28	130.7	79.26	0.24
Nanticoke Creek	Main-2	21754	1000-year	101.9	200.27	203.39		203.45	0.000358	1.3	148.41	80.89	0.24
Nanticoke Creek	Main-2	21754	Hazel	222.5	200.27	204.79		204.87	0.000353	1.67	269.39	92.09	0.25
Nanticoke Creek	Main-2	21714	25-year	40.8	200.27	202.27		202.33	0.000524	1.15	61.16	56.46	0.27
Nanticoke Creek	Main-2	21714	50-year	51.1	200.27	202.47		202.53	0.000536	1.25	72.62	57.5	0.27
Nanticoke Creek	Main-2	21714	100-year	62	200.27	202.67		202.73	0.000547	1.33	83.75	58.55	0.28
Nanticoke Creek	Main-2	21714	200-year	73.4	200.27	202.86		202.93	0.000551	1.41	95.18	60.14	0.28
Nanticoke Creek	Main-2	21714	350-year	83.1	200.27	203.02		203.09	0.000548	1.47	104.65	61.06	0.29
Nanticoke Creek	Main-2	21714	500-year	89.4	200.27	203.13		203.21	0.000544	1.5	111.63	64.32	0.29

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-2	21714	1000-year	101.9	200.27	203.35		203.43	0.000516	1.54	126.29	68.67	0.28
Nanticoke Creek	Main-2	21714	Hazel	222.5	200.27	204.74		204.85	0.000498	1.95	243.94	97.53	0.3
Nanticoke Creek	Main-2	21670	25-year	40.8	200.27	202.27		202.3	0.000362	0.97	82.91	72.45	0.22
Nanticoke Creek	Main-2	21670	50-year	51.1	200.27	202.47		202.51	0.00037	1.05	98.09	78.82	0.23
Nanticoke Creek	Main-2	21670	100-year	62	200.27	202.66		202.7	0.000375	1.12	114.21	86.26	0.23
Nanticoke Creek	Main-2	21670	200-year	73.4	200.27	202.86		202.9	0.000371	1.17	131.74	94	0.24
Nanticoke Creek	Main-2	21670	350-year	83.1	200.27	203.02		203.06	0.000363	1.21	147.08	98.5	0.23
Nanticoke Creek	Main-2	21670	500-year	89.4	200.27	203.13		203.18	0.000348	1.22	158.54	100.67	0.23
Nanticoke Creek	Main-2	21670	1000-year	101.9	200.27	203.36		203.4	0.000324	1.23	181.72	108.37	0.23
Nanticoke Creek	Main-2	21670	Hazel	222.5	200.27	204.77		204.82	0.000281	1.48	353.78	132.8	0.22
Nanticoke Creek	Main-2	21594	25-year	40.8	200.27	202.28		202.28	0.000064	0.42	118.05	98.62	0.09
Nanticoke Creek	Main-2	21594	50-year	51.1	200.27	202.48		202.49	0.000071	0.47	139.22	110.37	0.1
Nanticoke Creek	Main-2	21594	100-year	62	200.27	202.67		202.69	0.000077	0.52	162.35	124	0.11
Nanticoke Creek	Main-2	21594	200-year	73.4	200.27	202.87		202.88	0.00008	0.55	187.03	128.13	0.11
Nanticoke Creek	Main-2	21594	350-year	83.1	200.27	203.03		203.04	0.000081	0.58	207.92	133.62	0.11
Nanticoke Creek	Main-2	21594	500-year	89.4	200.27	203.14		203.16	0.000079	0.59	223.46	137.28	0.11
Nanticoke Creek	Main-2	21594	1000-year	101.9	200.27	203.37		203.38	0.000077	0.61	254.81	144.78	0.11
Nanticoke Creek	Main-2	21594	Hazel	222.5	200.27	204.78		204.8	0.000079	0.8	484.08	176.69	0.12
Nanticoke Creek	Main-2	21551	25-year	40.8	200.27	202.22		202.27	0.00062	1.23	71.01	114.45	0.29
Nanticoke Creek	Main-2	21551	50-year	51.1	200.27	202.42		202.48	0.000641	1.33	95.23	130.64	0.3
Nanticoke Creek	Main-2	21551	100-year	62	200.27	202.62		202.68	0.000548	1.31	123.24	145.08	0.28
Nanticoke Creek	Main-2	21551	200-year	73.4	200.27	202.83		202.87	0.000468	1.29	153.82	152.97	0.26
Nanticoke Creek	Main-2	21551	350-year	83.1	200.27	202.99		203.03	0.000413	1.26	179.64	158.71	0.25
Nanticoke Creek	Main-2	21551	500-year	89.4	200.27	203.11		203.15	0.000373	1.24	198.92	163.79	0.24
Nanticoke Creek	Main-2	21551	1000-year	101.9	200.27	203.34		203.38	0.000309	1.19	237.5	170.39	0.22
Nanticoke Creek	Main-2	21551	Hazel	222.5	200.27	204.77		204.8	0.00019	1.21	499.56	195.28	0.18
Nanticoke Creek	Main-2	21491	25-year	40.8	200.26	202.21		202.24	0.000416	1.04	99.21	163.63	0.24
Nanticoke Creek	Main-2	21491	50-year	51.1	200.26	202.41		202.45	0.000373	1.05	136.21	189.84	0.23
Nanticoke Creek	Main-2	21491	100-year	62	200.26	202.62		202.65	0.0003	1.01	176.51	195.91	0.21
Nanticoke Creek	Main-2	21491	200-year	73.4	200.26	202.83		202.85	0.000249	0.97	217.63	201.65	0.19
Nanticoke Creek	Main-2	21491	350-year	83.1	200.26	202.99		203.01	0.00022	0.95	251.33	205.69	0.18
Nanticoke Creek	Main-2	21491	500-year	89.4	200.26	203.11		203.13	0.000198	0.93	276.22	209.47	0.18
Nanticoke Creek	Main-2	21491	1000-year	101.9	200.26	203.34		203.36	0.000165	0.89	325.02	213.35	0.16
Nanticoke Creek	Main-2	21491	Hazel	222.5	200.26	204.77		204.79	0.00011	0.94	651.49	241.84	0.14
Nanticoke Creek	Main-2	21413	25-year	40.8	200.26	202.2		202.22	0.000289	0.85	135.7	188.06	0.2
Nanticoke Creek	Main-2	21413	50-year	51.1	200.26	202.41		202.42	0.00024	0.83	176.06	197.98	0.18
Nanticoke Creek	Main-2	21413	100-year	62	200.26	202.62		202.63	0.000203	0.81	218.49	207.67	0.17
Nanticoke Creek	Main-2	21413	200-year	73.4	200.26	202.82		202.84	0.000174	0.8	262.27	214.07	0.16
Nanticoke Creek	Main-2	21413	350-year	83.1	200.26	202.99		203	0.000158	0.79	298.29	220.33	0.16
Nanticoke Creek	Main-2	21413	500-year	89.4	200.26	203.11		203.12	0.000144	0.78	324.98	223.83	0.15
Nanticoke Creek	Main-2	21413	1000-year	101.9	200.26	203.34		203.35	0.000122	0.76	377.17	227.45	0.14
Nanticoke Creek	Main-2	21413	Hazel	222.5	200.26	204.77		204.78	0.000086	0.82	718.94	248.69	0.12
Nanticoke Creek	Main-2	21341	25-year	40.8	200.26	202.18		202.2	0.0003	0.87	134.09	207.78	0.2
Nanticoke Creek	Main-2	21341	50-year	51.1	200.26	202.4		202.41	0.000233	0.82	179.27	212.67	0.18
Nanticoke Creek	Main-2	21341	100-year	62	200.26	202.61		202.62	0.00019	0.79	224.82	217.06	0.17
Nanticoke Creek	Main-2	21341	200-year	73.4	200.26	202.82		202.83	0.000161	0.77	270.62	221.3	0.16
Nanticoke Creek	Main-2	21341	350-year	83.1	200.26	202.98		203	0.000145	0.77	307.97	226.76	0.15
Nanticoke Creek	Main-2	21341	500-year	89.4	200.26	203.1		203.12	0.000132	0.75	335.52	228.56	0.14
Nanticoke Creek	Main-2	21341	1000-year	101.9	200.26	203.34		203.35	0.000112	0.73	389.06	232.55	0.13
Nanticoke Creek	Main-2	21341	Hazel	222.5	200.26	204.77		204.78	0.00008	0.8	737.56	252.14	0.12
Nanticoke Creek	Main-2	21282	25-year	40.8	200.26	202.17		202.19	0.000236	0.75	150.96	198.55	0.18
Nanticoke Creek	Main-2	21282	50-year	51.1	200.26	202.39		202.4	0.000193	0.73	195.22	208.58	0.16
Nanticoke Creek	Main-2	21282	100-year	62	200.26	202.6		202.61	0.000161	0.72	240.38	214.48	0.15
Nanticoke Creek	Main-2	21282	200-year	73.4	200.26	202.81		202.82	0.000141	0.71	286.21	222.83	0.14
Nanticoke Creek	Main-2	21282	350-year	83.1	200.26	202.98		202.99	0.000127	0.71	323.97	227.26	0.14
Nanticoke Creek	Main-2	21282	500-year	89.4	200.26	203.1		203.11	0.000117	0.7	351.73	230.5	0.13
Nanticoke Creek	Main-2	21282	1000-year	101.9	200.26	203.33		203.34	0.0001	0.68	406.04	235.9	0.13
Nanticoke Creek	Main-2	21282	Hazel	222.5	200.26	204.77		204.78	0.000074	0.76	763.54	258.02	0.12

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-2	21228	25-year	40.8	200.21	202.17		202.18	0.000165	0.63	162.52	179.96	0.15
Nanticoke Creek	Main-2	21228	50-year	51.1	200.21	202.38		202.39	0.000146	0.64	202.43	187.86	0.14
Nanticoke Creek	Main-2	21228	100-year	62	200.21	202.6		202.61	0.000131	0.65	243.16	192.95	0.14
Nanticoke Creek	Main-2	21228	200-year	73.4	200.21	202.81		202.82	0.000119	0.66	284.18	198.72	0.13
Nanticoke Creek	Main-2	21228	350-year	83.1	200.21	202.98		202.99	0.000111	0.66	317.74	201.6	0.13
Nanticoke Creek	Main-2	21228	500-year	89.4	200.21	203.1		203.11	0.000104	0.66	342.39	204.19	0.13
Nanticoke Creek	Main-2	21228	1000-year	101.9	200.21	203.33		203.34	0.000092	0.66	390.47	208.19	0.12
Nanticoke Creek	Main-2	21228	Hazel	222.5	200.21	204.76		204.77	0.000077	0.78	702.41	226.48	0.12
Nanticoke Creek	Main-2	21139	25-year	40.8	200.2	202.13		202.16	0.000283	0.86	89.8	106.82	0.2
Nanticoke Creek	Main-2	21139	50-year	51.1	200.2	202.35		202.38	0.000269	0.9	114.36	117.48	0.2
Nanticoke Creek	Main-2	21139	100-year	62	200.2	202.56		202.59	0.00025	0.92	140.36	124.3	0.19
Nanticoke Creek	Main-2	21139	200-year	73.4	200.2	202.78		202.81	0.000232	0.94	167.21	129.43	0.19
Nanticoke Creek	Main-2	21139	350-year	83.1	200.2	202.94		202.97	0.000221	0.96	189.56	135.06	0.19
Nanticoke Creek	Main-2	21139	500-year	89.4	200.2	203.07		203.1	0.000207	0.96	206.32	137.5	0.18
Nanticoke Creek	Main-2	21139	1000-year	101.9	200.2	203.3		203.33	0.000185	0.95	239.19	142.46	0.17
Nanticoke Creek	Main-2	21139	Hazel	222.5	200.2	204.73		204.77	0.000154	1.12	459.54	163.75	0.17
Nanticoke Creek	Main-2	21064	25-year	40.8	200.16	202.09		202.14	0.000444	1.08	65.37	76.3	0.25
Nanticoke Creek	Main-2	21064	50-year	51.1	200.16	202.3		202.35	0.000433	1.15	82.9	85.06	0.25
Nanticoke Creek	Main-2	21064	100-year	62	200.16	202.52		202.57	0.000411	1.19	101.86	90.57	0.25
Nanticoke Creek	Main-2	21064	200-year	73.4	200.16	202.73		202.78	0.000387	1.23	121.71	95.92	0.24
Nanticoke Creek	Main-2	21064	350-year	83.1	200.16	202.9		202.95	0.000369	1.25	138.34	99.73	0.24
Nanticoke Creek	Main-2	21064	500-year	89.4	200.16	203.02		203.08	0.000348	1.25	150.94	102.53	0.24
Nanticoke Creek	Main-2	21064	1000-year	101.9	200.16	203.26		203.31	0.000314	1.25	175.89	107.28	0.23
Nanticoke Creek	Main-2	21064	Hazel	222.5	200.16	204.69		204.75	0.000269	1.49	344.65	128.84	0.22
Nanticoke Creek	Main-2	21000	25-year	40.8	200.1	202.08		202.11	0.000383	0.99	82.52	69.75	0.23
Nanticoke Creek	Main-2	21000	50-year	51.1	200.1	202.29		202.33	0.000379	1.06	97.98	72.8	0.23
Nanticoke Creek	Main-2	21000	100-year	62	200.1	202.51		202.54	0.00037	1.11	114.02	75.8	0.23
Nanticoke Creek	Main-2	21000	200-year	73.4	200.1	202.72		202.76	0.000359	1.16	130.26	77.73	0.23
Nanticoke Creek	Main-2	21000	350-year	83.1	200.1	202.89		202.93	0.000351	1.2	143.53	78.93	0.23
Nanticoke Creek	Main-2	21000	500-year	89.4	200.1	203.01		203.05	0.000338	1.21	153.4	80.04	0.23
Nanticoke Creek	Main-2	21000	1000-year	101.9	200.1	203.25		203.29	0.000315	1.23	172.63	81.7	0.22
Nanticoke Creek	Main-2	21000	Hazel	222.5	200.1	204.67		204.73	0.000326	1.62	294.64	90.39	0.24
Nanticoke Creek	Main-2	20900	25-year	40.8	200.06	202.02		202.07	0.000468	1.1	64.1	52.67	0.25
Nanticoke Creek	Main-2	20900	50-year	51.1	200.06	202.23		202.29	0.000477	1.19	75.6	55.08	0.26
Nanticoke Creek	Main-2	20900	100-year	62	200.06	202.45		202.5	0.000477	1.27	87.61	57.77	0.27
Nanticoke Creek	Main-2	20900	200-year	73.4	200.06	202.66		202.72	0.000475	1.34	99.99	60.85	0.27
Nanticoke Creek	Main-2	20900	350-year	83.1	200.06	202.82		202.89	0.00047	1.39	110.38	63.03	0.27
Nanticoke Creek	Main-2	20900	500-year	89.4	200.06	202.95		203.02	0.000455	1.41	118.38	65.22	0.27
Nanticoke Creek	Main-2	20900	1000-year	101.9	200.06	203.19		203.26	0.000427	1.44	134.32	68.13	0.26
Nanticoke Creek	Main-2	20900	Hazel	222.5	200.06	204.59		204.69	0.000451	1.9	242	85.24	0.29
Nanticoke Creek	Main-2	20800	25-year	40.8	200.05	201.99		202.02	0.000376	0.96	81.16	69.85	0.22
Nanticoke Creek	Main-2	20800	50-year	51.1	200.05	202.21		202.24	0.000368	1.02	96.39	71.24	0.23
Nanticoke Creek	Main-2	20800	100-year	62	200.05	202.42		202.46	0.000359	1.08	111.96	74.15	0.23
Nanticoke Creek	Main-2	20800	200-year	73.4	200.05	202.63		202.67	0.00035	1.13	127.96	77.46	0.23
Nanticoke Creek	Main-2	20800	350-year	83.1	200.05	202.8		202.84	0.000343	1.17	141.48	83.1	0.23
Nanticoke Creek	Main-2	20800	500-year	89.4	200.05	202.93		202.97	0.000329	1.18	152.29	86.47	0.22
Nanticoke Creek	Main-2	20800	1000-year	101.9	200.05	203.17		203.21	0.000303	1.19	174.08	92.61	0.22
Nanticoke Creek	Main-2	20800	Hazel	222.5	200.05	204.58		204.64	0.000294	1.52	326.08	122.29	0.23
Nanticoke Creek	Main-2	20640	25-year	40.8	199.99	201.96		201.98	0.000187	0.7	131.17	134.32	0.16
Nanticoke Creek	Main-2	20640	50-year	51.1	199.99	202.18		202.2	0.000176	0.73	162.48	148.16	0.16
Nanticoke Creek	Main-2	20640	100-year	62	199.99	202.4		202.41	0.000163	0.75	196.06	155.93	0.16
Nanticoke Creek	Main-2	20640	200-year	73.4	199.99	202.62		202.63	0.000151	0.77	230.59	163.15	0.15
Nanticoke Creek	Main-2	20640	350-year	83.1	199.99	202.79		202.8	0.000142	0.78	259.05	167.47	0.15
Nanticoke Creek	Main-2	20640	500-year	89.4	199.99	202.92		202.93	0.000134	0.78	280.9	170.62	0.15
Nanticoke Creek	Main-2	20640	1000-year	101.9	199.99	203.16		203.18	0.000119	0.77	323.6	175.56	0.14
Nanticoke Creek	Main-2	20640	Hazel	222.5	199.99	204.59		204.61	0.000106	0.94	591.99	200.29	0.14
Nanticoke Creek	Main-2	20481	25-year	40.8	199.99	201.91		201.94	0.000437	1.02	101.73	144.36	0.24

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-2	20481	50-year	51.1	199.99	202.14		202.16	0.000349	0.99	136.58	156.21	0.22
Nanticoke Creek	Main-2	20481	100-year	62	199.99	202.37		202.39	0.000287	0.96	173.23	165.81	0.2
Nanticoke Creek	Main-2	20481	200-year	73.4	199.99	202.59		202.61	0.000243	0.94	210.97	173.61	0.19
Nanticoke Creek	Main-2	20481	350-year	83.1	199.99	202.76		202.78	0.000215	0.93	241.92	177.39	0.18
Nanticoke Creek	Main-2	20481	500-year	89.4	199.99	202.9		202.91	0.000193	0.91	265.59	180.59	0.17
Nanticoke Creek	Main-2	20481	1000-year	101.9	199.99	203.15		203.16	0.000161	0.88	311.4	184.65	0.16
Nanticoke Creek	Main-2	20481	Hazel	222.5	199.99	204.58		204.6	0.000121	0.98	591.61	207.63	0.15
Nanticoke Creek	Main-2	20364	25-year	40.8	199.98	201.87		201.9	0.000365	0.93	105.97	141.14	0.22
Nanticoke Creek	Main-2	20364	50-year	51.1	199.98	202.11		202.13	0.000292	0.9	140.65	148.56	0.2
Nanticoke Creek	Main-2	20364	100-year	62	199.98	202.34		202.36	0.000243	0.88	175.94	153.79	0.19
Nanticoke Creek	Main-2	20364	200-year	73.4	199.98	202.57		202.59	0.00021	0.88	211.14	158.84	0.18
Nanticoke Creek	Main-2	20364	350-year	83.1	199.98	202.75		202.76	0.000191	0.87	239.75	162.67	0.17
Nanticoke Creek	Main-2	20364	500-year	89.4	199.98	202.88		202.9	0.000174	0.86	261.63	164.87	0.16
Nanticoke Creek	Main-2	20364	1000-year	101.9	199.98	203.13		203.15	0.000149	0.84	303.84	168.86	0.15
Nanticoke Creek	Main-2	20364	Hazel	222.5	199.98	204.57		204.59	0.000123	0.99	565.29	196.24	0.15
Nanticoke Creek	Main-2	20273	25-year	40.8	199.9	201.86		201.87	0.000214	0.71	141.82	169.52	0.17
Nanticoke Creek	Main-2	20273	50-year	51.1	199.9	202.1		202.11	0.000175	0.7	183.95	178.7	0.16
Nanticoke Creek	Main-2	20273	100-year	62	199.9	202.33		202.34	0.000148	0.69	226.71	184.75	0.15
Nanticoke Creek	Main-2	20273	200-year	73.4	199.9	202.56		202.57	0.00013	0.69	269.3	191.87	0.14
Nanticoke Creek	Main-2	20273	350-year	83.1	199.9	202.74		202.75	0.000119	0.69	303.98	195.79	0.13
Nanticoke Creek	Main-2	20273	500-year	89.4	199.9	202.87		202.88	0.00011	0.68	330.5	199.01	0.13
Nanticoke Creek	Main-2	20273	1000-year	101.9	199.9	203.13		203.14	0.000095	0.67	382.01	205.65	0.12
Nanticoke Creek	Main-2	20273	Hazel	222.5	199.9	204.56		204.57	0.000082	0.81	701.5	237.52	0.12
Nanticoke Creek	Main-2	20201	25-year	40.8	199.8	201.83		201.85	0.000232	0.81	102.14	123.02	0.18
Nanticoke Creek	Main-2	20201	50-year	51.1	199.8	202.07		202.1	0.000205	0.82	133.6	132.38	0.17
Nanticoke Creek	Main-2	20201	100-year	62	199.8	202.31		202.33	0.000182	0.83	165.53	136.8	0.17
Nanticoke Creek	Main-2	20201	200-year	73.4	199.8	202.54		202.56	0.000168	0.84	197.23	143.26	0.16
Nanticoke Creek	Main-2	20201	350-year	83.1	199.8	202.72		202.74	0.000156	0.85	223.24	145.51	0.16
Nanticoke Creek	Main-2	20201	500-year	89.4	199.8	202.85		202.87	0.000145	0.84	243.09	146.77	0.15
Nanticoke Creek	Main-2	20201	1000-year	101.9	199.8	203.11		203.13	0.000128	0.84	281.24	151.15	0.15
Nanticoke Creek	Main-2	20201	Hazel	222.5	199.8	204.54		204.57	0.000119	1.02	511.24	170.91	0.15
Nanticoke Creek	Main-2	20101	25-year	40.8	199.72	201.81		201.83	0.000195	0.75	79.53	78.36	0.17
Nanticoke Creek	Main-2	20101	50-year	51.1	199.72	202.05		202.08	0.000184	0.79	99.37	83.49	0.17
Nanticoke Creek	Main-2	20101	100-year	62	199.72	202.29		202.31	0.000174	0.82	119.59	87.15	0.16
Nanticoke Creek	Main-2	20101	200-year	73.4	199.72	202.52		202.54	0.000166	0.84	139.79	90.42	0.16
Nanticoke Creek	Main-2	20101	350-year	83.1	199.72	202.7		202.72	0.000161	0.87	156.24	93.06	0.16
Nanticoke Creek	Main-2	20101	500-year	89.4	199.72	202.83		202.86	0.000152	0.87	169.01	94.64	0.16
Nanticoke Creek	Main-2	20101	1000-year	101.9	199.72	203.09		203.11	0.000139	0.88	193.66	97.65	0.15
Nanticoke Creek	Main-2	20101	Hazel	222.5	199.72	204.52		204.55	0.00014	1.11	343.1	111.33	0.16
Nanticoke Creek	Main-2	20000	25-year	40.8	199.69	201.75		201.8	0.000441	1.08	49.73	40.87	0.25
Nanticoke Creek	Main-2	20000	50-year	51.1	199.69	201.98		202.04	0.000451	1.18	60.04	46.3	0.25
Nanticoke Creek	Main-2	20000	100-year	62	199.69	202.21		202.28	0.000452	1.26	71.22	51.09	0.26
Nanticoke Creek	Main-2	20000	200-year	73.4	199.69	202.44		202.51	0.000449	1.33	82.9	56.11	0.26
Nanticoke Creek	Main-2	20000	350-year	83.1	199.69	202.61		202.69	0.000453	1.4	93.77	65.97	0.26
Nanticoke Creek	Main-2	20000	500-year	89.4	199.69	202.75		202.83	0.00043	1.4	103.05	68.95	0.26
Nanticoke Creek	Main-2	20000	1000-year	101.9	199.69	203.01		203.09	0.000393	1.42	121.46	73.51	0.25
Nanticoke Creek	Main-2	20000	Hazel	222.5	199.69	204.41		204.52	0.000413	1.85	244.05	104.93	0.27
Nanticoke Creek	Main-2	19900	25-year	40.8	199.65	201.71		201.76	0.000418	1.08	62.21	58.71	0.24
Nanticoke Creek	Main-2	19900	50-year	51.1	199.65	201.94		202	0.000427	1.18	78.25	73.4	0.25
Nanticoke Creek	Main-2	19900	100-year	62	199.65	202.18		202.24	0.00041	1.24	96.89	84.06	0.25
Nanticoke Creek	Main-2	19900	200-year	73.4	199.65	202.41		202.47	0.000387	1.27	117	91.57	0.25
Nanticoke Creek	Main-2	19900	350-year	83.1	199.65	202.59		202.64	0.000366	1.29	133.72	94.95	0.24
Nanticoke Creek	Main-2	19900	500-year	89.4	199.65	202.73		202.78	0.000339	1.28	147.35	98.01	0.23
Nanticoke Creek	Main-2	19900	1000-year	101.9	199.65	202.99		203.05	0.000299	1.27	174	103.76	0.22
Nanticoke Creek	Main-2	19900	Hazel	222.5	199.65	204.41		204.47	0.000274	1.55	338.55	128.37	0.23
Nanticoke Creek	Main-2	19840	25-year	40.8	199.65	201.66		201.73	0.000585	1.24	59.87	64	0.28
Nanticoke Creek	Main-2	19840	50-year	51.1	199.65	201.91		201.97	0.000525	1.28	78.22	82.03	0.27
Nanticoke Creek	Main-2	19840	100-year	62	199.65	202.14		202.21	0.00052	1.36	98.82	96.21	0.28

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-2	19840	200-year	73.4	199.65	202.38		202.44	0.000459	1.36	122.39	103.49	0.27
Nanticoke Creek	Main-2	19840	350-year	83.1	199.65	202.56		202.62	0.000421	1.36	141.84	108.5	0.26
Nanticoke Creek	Main-2	19840	500-year	89.4	199.65	202.71		202.76	0.000381	1.34	157.83	112.99	0.25
Nanticoke Creek	Main-2	19840	1000-year	101.9	199.65	202.98		203.03	0.000319	1.29	189.07	117.91	0.23
Nanticoke Creek	Main-2	19840	Hazel	222.5	199.65	204.4		204.46	0.000266	1.5	371.14	139.97	0.22
Nanticoke Creek	Main-2	19700	25-year	40.8	199.54	201.57		201.64	0.000643	1.33	53.89	54.63	0.3
Nanticoke Creek	Main-2	19700	50-year	51.1	199.54	201.81		201.9	0.000651	1.45	69.4	80.22	0.31
Nanticoke Creek	Main-2	19700	100-year	62	199.54	202.06		202.14	0.000598	1.49	91.38	97.41	0.3
Nanticoke Creek	Main-2	19700	200-year	73.4	199.54	202.31		202.38	0.000497	1.45	116.78	101.72	0.28
Nanticoke Creek	Main-2	19700	350-year	83.1	199.54	202.5		202.57	0.000445	1.43	136.7	105.15	0.27
Nanticoke Creek	Main-2	19700	500-year	89.4	199.54	202.66		202.72	0.000396	1.4	152.93	107.71	0.25
Nanticoke Creek	Main-2	19700	1000-year	101.9	199.54	202.94		202.99	0.000331	1.35	183.71	112.96	0.24
Nanticoke Creek	Main-2	19700	Hazel	222.5	199.54	204.37		204.43	0.000274	1.56	367.71	139.05	0.23
Nanticoke Creek	Main-2	19600	25-year	40.8	199.44	201.55		201.59	0.000335	0.98	71.19	60.2	0.22
Nanticoke Creek	Main-2	19600	50-year	51.1	199.44	201.8		201.84	0.000332	1.05	86.31	63.35	0.22
Nanticoke Creek	Main-2	19600	100-year	62	199.44	202.04		202.09	0.000327	1.11	101.98	68.57	0.22
Nanticoke Creek	Main-2	19600	200-year	73.4	199.44	202.29		202.34	0.000326	1.18	121.29	82.41	0.22
Nanticoke Creek	Main-2	19600	350-year	83.1	199.44	202.48		202.53	0.00031	1.2	137.36	84.92	0.22
Nanticoke Creek	Main-2	19600	500-year	89.4	199.44	202.63		202.68	0.000287	1.19	150.49	86.62	0.21
Nanticoke Creek	Main-2	19600	1000-year	101.9	199.44	202.91		202.96	0.000255	1.19	175.14	89.47	0.21
Nanticoke Creek	Main-2	19600	Hazel	222.5	199.44	204.33		204.4	0.000273	1.55	312.6	106.14	0.23
Nanticoke Creek	Main-2	19500	25-year	40.8	199.43	201.52		201.55	0.000396	1	83.33	87.72	0.23
Nanticoke Creek	Main-2	19500	50-year	51.1	199.43	201.77		201.8	0.000342	1	106.38	94.73	0.22
Nanticoke Creek	Main-2	19500	100-year	62	199.43	202.02		202.05	0.000297	1.01	130.77	100.24	0.21
Nanticoke Creek	Main-2	19500	200-year	73.4	199.43	202.27		202.3	0.000259	1	156.91	105.09	0.2
Nanticoke Creek	Main-2	19500	350-year	83.1	199.43	202.47		202.5	0.000238	1.01	177.69	109.16	0.19
Nanticoke Creek	Main-2	19500	500-year	89.4	199.43	202.62		202.65	0.000214	0.99	194.8	111.27	0.18
Nanticoke Creek	Main-2	19500	1000-year	101.9	199.43	202.91		202.93	0.000183	0.97	226.89	115.68	0.17
Nanticoke Creek	Main-2	19500	Hazel	222.5	199.43	204.34		204.37	0.000171	1.19	407.73	139.01	0.18
Nanticoke Creek	Main-2	19415	25-year	40.8	199.42	201.5		201.53	0.000277	0.87	87.05	92.71	0.2
Nanticoke Creek	Main-2	19415	50-year	51.1	199.42	201.75		201.78	0.000246	0.89	111.51	99.68	0.19
Nanticoke Creek	Main-2	19415	100-year	62	199.42	202.01		202.03	0.000217	0.9	137.36	105	0.18
Nanticoke Creek	Main-2	19415	200-year	73.4	199.42	202.26		202.28	0.000191	0.9	164.96	110.33	0.17
Nanticoke Creek	Main-2	19415	350-year	83.1	199.42	202.46		202.48	0.000178	0.91	187.04	115.47	0.17
Nanticoke Creek	Main-2	19415	500-year	89.4	199.42	202.61		202.64	0.000161	0.89	205.61	120.17	0.16
Nanticoke Creek	Main-2	19415	1000-year	101.9	199.42	202.9		202.92	0.000138	0.88	240.43	124.15	0.15
Nanticoke Creek	Main-2	19415	Hazel	222.5	199.42	204.33		204.36	0.00013	1.07	430.74	142.23	0.16
Nanticoke Creek	Main-2	19369	25-year	40.8	198.32	201.49		201.52	0.000183	0.82	75.83	79.86	0.17
Nanticoke Creek	Main-2	19369	50-year	51.1	198.32	201.75		201.77	0.000161	0.82	97.53	89.78	0.16
Nanticoke Creek	Main-2	19369	100-year	62	198.32	202		202.02	0.000135	0.8	121.61	99.3	0.15
Nanticoke Creek	Main-2	19369	200-year	73.4	198.32	202.26		202.28	0.000115	0.78	148.52	109.49	0.14
Nanticoke Creek	Main-2	19369	350-year	83.1	198.32	202.46		202.47	0.000101	0.76	170.38	112.21	0.13
Nanticoke Creek	Main-2	19369	500-year	89.4	198.32	202.61		202.63	0.000089	0.73	188.24	114.64	0.12
Nanticoke Creek	Main-2	19369	1000-year	101.9	198.32	202.9		202.91	0.000074	0.7	221.39	118.57	0.11
Nanticoke Creek	Main-2	19369	Hazel	222.5	198.32	204.33		204.35	0.000063	0.79	408.45	143.09	0.11
Nanticoke Creek	Main-2	19367	25-year	40.8	198.32	201.45	199.92	201.51	0.000317	1.07	46.56	75.17	0.21
Nanticoke Creek	Main-2	19367	50-year	51.1	198.32	201.69	200.08	201.76	0.000353	1.2	52.5	82.04	0.23
Nanticoke Creek	Main-2	19367	100-year	62	198.32	201.93	200.24	202	0.000381	1.32	58.38	89.69	0.24
Nanticoke Creek	Main-2	19367	200-year	73.4	198.32	202.17	200.41	202.26	0.000399	1.42	64.39	96.77	0.25
Nanticoke Creek	Main-2	19367	350-year	83.1	198.32	202.35	200.58	202.45	0.000416	1.5	68.96	100.87	0.26
Nanticoke Creek	Main-2	19367	500-year	89.4	198.32	202.5	200.65	202.6	0.00041	1.53	72.73	104.71	0.26
Nanticoke Creek	Main-2	19367	1000-year	101.9	198.32	202.77	200.8	202.88	0.000404	1.6	79.55	115.95	0.26
Nanticoke Creek	Main-2	19367	Hazel	222.5	198.32	204.33	201.81	204.35	0.000065	0.81	393.38	146.31	0.11
Nanticoke Creek	Main-2	19357		Bridge									
Nanticoke Creek	Main-2	19346	25-year	40.8	198.92	201.42	200.15	201.47	0.000385	1.12	40.42	72.41	0.24
Nanticoke Creek	Main-2	19346	50-year	51.1	198.92	201.64	200.28	201.71	0.000404	1.22	46.07	84.23	0.25
Nanticoke Creek	Main-2	19346	100-year	62	198.92	201.87	200.48	201.94	0.000415	1.31	51.64	89.35	0.25

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-2	19346	200-year	73.4	198.92	202.1	200.64	202.18	0.000416	1.38	57.36	93.24	0.26
Nanticoke Creek	Main-2	19346	350-year	83.1	198.92	202.27	200.76	202.36	0.000423	1.45	61.63	97.91	0.26
Nanticoke Creek	Main-2	19346	500-year	89.4	198.92	202.41	200.81	202.51	0.000406	1.46	65.28	101.82	0.26
Nanticoke Creek	Main-2	19346	1000-year	101.9	198.92	202.67	201.03	202.78	0.000387	1.5	71.82	118.34	0.26
Nanticoke Creek	Main-2	19346	Hazel	222.5	198.92	203.92	201.89	203.95	0.000154	1.16	352.37	166.32	0.17
Nanticoke Creek	Main-2	19340	25-year	40.8	198.85	201.43		201.46	0.000294	0.96	76.58	80.81	0.2
Nanticoke Creek	Main-2	19340	50-year	51.1	198.85	201.66		201.69	0.00028	1	95.92	85.36	0.2
Nanticoke Creek	Main-2	19340	100-year	62	198.85	201.89		201.92	0.000252	1.01	115.81	88.21	0.19
Nanticoke Creek	Main-2	19340	200-year	73.4	198.85	202.12		202.15	0.000223	1	136.85	90.85	0.19
Nanticoke Creek	Main-2	19340	350-year	83.1	198.85	202.3		202.33	0.000208	1	152.99	92.93	0.18
Nanticoke Creek	Main-2	19340	500-year	89.4	198.85	202.45		202.47	0.000188	0.98	166.92	95.03	0.17
Nanticoke Creek	Main-2	19340	1000-year	101.9	198.85	202.71		202.74	0.000162	0.96	192.66	98.4	0.16
Nanticoke Creek	Main-2	19340	Hazel	222.5	198.85	203.92		203.95	0.000162	1.17	345.04	160.23	0.17
Nanticoke Creek	Main-2	19290	25-year	40.8	199.42	201.39		201.44	0.000416	1.05	47.86	39.63	0.24
Nanticoke Creek	Main-2	19290	50-year	51.1	199.42	201.61		201.67	0.000433	1.15	57.24	43.69	0.25
Nanticoke Creek	Main-2	19290	100-year	62	199.42	201.83		201.9	0.000439	1.24	67.02	45.56	0.26
Nanticoke Creek	Main-2	19290	200-year	73.4	199.42	202.06		202.13	0.000433	1.31	77.58	47.62	0.26
Nanticoke Creek	Main-2	19290	350-year	83.1	199.42	202.23		202.31	0.000436	1.37	85.81	49.66	0.26
Nanticoke Creek	Main-2	19290	500-year	89.4	199.42	202.37		202.46	0.000412	1.38	93.22	51.05	0.26
Nanticoke Creek	Main-2	19290	1000-year	101.9	199.42	202.64		202.72	0.000385	1.41	107.19	58.41	0.25
Nanticoke Creek	Main-2	19290	Hazel	222.5	199.42	203.79		203.93	0.000494	1.96	225.7	129.76	0.3
Nanticoke Creek	Main-2	19222	25-year	40.8	199.42	201.38		201.41	0.000351	0.96	60.05	53.92	0.22
Nanticoke Creek	Main-2	19222	50-year	51.1	199.42	201.61		201.64	0.000327	1	72.5	55.35	0.22
Nanticoke Creek	Main-2	19222	100-year	62	199.42	201.83		201.87	0.000307	1.04	85.09	57.02	0.21
Nanticoke Creek	Main-2	19222	200-year	73.4	199.42	202.06		202.1	0.000284	1.06	98.47	58.48	0.21
Nanticoke Creek	Main-2	19222	350-year	83.1	199.42	202.23		202.27	0.000274	1.09	108.65	59.42	0.21
Nanticoke Creek	Main-2	19222	500-year	89.4	199.42	202.38		202.42	0.000253	1.08	117.58	60.31	0.2
Nanticoke Creek	Main-2	19222	1000-year	101.9	199.42	202.65		202.69	0.000225	1.08	133.86	61.74	0.19
Nanticoke Creek	Main-2	19222	Hazel	222.5	199.42	203.81		203.88	0.000294	1.52	211.39	72.48	0.23
Nanticoke Creek	Main-2	19144	25-year	40.8	199.42	201.28	200.48	201.37	0.000804	1.39	35.25	184.15	0.33
Nanticoke Creek	Main-2	19144	50-year	51.1	199.42	201.5	200.62	201.6	0.000814	1.51	41.55	187.12	0.34
Nanticoke Creek	Main-2	19144	100-year	62	199.42	201.71	200.76	201.82	0.000812	1.61	48.06	189.93	0.34
Nanticoke Creek	Main-2	19144	200-year	73.4	199.42	201.94	200.89	202.06	0.00079	1.69	55.24	193.88	0.34
Nanticoke Creek	Main-2	19144	350-year	83.1	199.42	202.1	200.99	202.23	0.000791	1.77	60.78	196.8	0.35
Nanticoke Creek	Main-2	19144	500-year	89.4	199.42	202.25	201.05	202.38	0.000736	1.77	66.25	199.34	0.34
Nanticoke Creek	Main-2	19144	1000-year	101.9	199.42	202.52	201.16	202.65	0.000665	1.79	76.4	203.11	0.33
Nanticoke Creek	Main-2	19144	Hazel	222.5	199.42	203.86	202.08	203.86	0.000012	0.31	838.58	244.4	0.05
Nanticoke Creek	Main-2	19106	25-year	40.8	199.41	201.25	200.44	201.34	0.000786	1.36	34.14	145.07	0.32
Nanticoke Creek	Main-2	19106	50-year	51.1	199.41	201.47	200.59	201.57	0.000777	1.46	40.74	152.58	0.33
Nanticoke Creek	Main-2	19106	100-year	62	199.41	201.69	200.72	201.79	0.000756	1.54	47.9	179.46	0.33
Nanticoke Creek	Main-2	19106	200-year	73.4	199.41	201.92	200.84	202.03	0.000714	1.6	55.9	193.18	0.33
Nanticoke Creek	Main-2	19106	350-year	83.1	199.41	202.09	200.93	202.2	0.0007	1.65	62.01	201.94	0.33
Nanticoke Creek	Main-2	19106	500-year	89.4	199.41	202.24	201.02	202.35	0.000642	1.64	67.83	208.73	0.31
Nanticoke Creek	Main-2	19106	1000-year	101.9	199.41	202.51	201.17	202.62	0.000569	1.65	78.45	221.22	0.3
Nanticoke Creek	Main-2	19106	Hazel	222.5	199.41	203.63	202.02	203.84	0.000777	2.37	131.13	271.6	0.37
Nanticoke Creek	Main-2	19054	25-year	40.8	199.41	201.22	200.38	201.3	0.000708	1.26	37.36	173.2	0.31
Nanticoke Creek	Main-2	19054	50-year	51.1	199.41	201.44	200.53	201.53	0.000705	1.37	44.29	181.3	0.31
Nanticoke Creek	Main-2	19054	100-year	62	199.41	201.66	200.67	201.75	0.00069	1.45	51.71	195.06	0.31
Nanticoke Creek	Main-2	19054	200-year	73.4	199.41	201.89	200.79	201.99	0.000658	1.51	60.39	214.16	0.31
Nanticoke Creek	Main-2	19054	350-year	83.1	199.41	202.06	200.88	202.16	0.000651	1.57	67.7	227.57	0.31
Nanticoke Creek	Main-2	19054	500-year	89.4	199.41	202.22	200.94	202.32	0.000591	1.56	75.05	237.4	0.3
Nanticoke Creek	Main-2	19054	1000-year	101.9	199.41	202.5	201.05	202.59	0.000511	1.55	88.62	257.39	0.29
Nanticoke Creek	Main-2	19054	Hazel	222.5	199.41	203.77	201.92	203.78	0.000014	0.33	913.76	286.02	0.05
Nanticoke Creek	Main-2	19010	25-year	40.8	199.41	201.21	200.26	201.26	0.000554	1.12	43.11	207.75	0.27
Nanticoke Creek	Main-2	19010	50-year	51.1	199.41	201.43	200.39	201.49	0.000537	1.19	52.46	218.55	0.27
Nanticoke Creek	Main-2	19010	100-year	62	199.41	201.65	200.51	201.72	0.000512	1.25	62.83	230.07	0.27
Nanticoke Creek	Main-2	19010	200-year	73.4	199.41	201.89	200.65	201.96	0.000469	1.28	74.99	243.22	0.26
Nanticoke Creek	Main-2	19010	350-year	83.1	199.41	202.13	200.78	202.13	0.000006	0.16	563.77	265.38	0.03

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-2	19010	500-year	89.4	199.41	202.29	200.84	202.29	0.000006	0.16	605.53	268.47	0.03
Nanticoke Creek	Main-2	19010	1000-year	101.9	199.41	202.56	200.95	202.56	0.000006	0.17	680.15	272.05	0.03
Nanticoke Creek	Main-2	19010	Hazel	222.5	199.41	203.77	201.81	203.78	0.000009	0.26	1018.61	287.35	0.04
Nanticoke Creek	Main-2	18933	25-year	40.8	199.25	201.04	200.59	201.19	0.001745	1.87	27.31	161.82	0.47
Nanticoke Creek	Main-2	18933	50-year	51.1	199.25	201.27	200.75	201.42	0.001523	1.91	34.69	171.56	0.45
Nanticoke Creek	Main-2	18933	100-year	62	199.25	201.51	200.9	201.65	0.001311	1.92	42.65	181.37	0.42
Nanticoke Creek	Main-2	18933	200-year	73.4	199.25	201.76	201.04	201.9	0.001116	1.91	51.43	188.22	0.4
Nanticoke Creek	Main-2	18933	350-year	83.1	199.25	201.98	201.13	202.12	0.000953	1.88	59.8	193.7	0.37
Nanticoke Creek	Main-2	18933	500-year	89.4	199.25	202.15	201.19	202.27	0.000845	1.84	66.21	198.23	0.36
Nanticoke Creek	Main-2	18933	1000-year	101.9	199.25	202.43	201.31	202.55	0.000717	1.81	78.16	207.41	0.33
Nanticoke Creek	Main-2	18933	Hazel	222.5	199.25	203.77	202.11	203.77	0.000017	0.36	786.32	233.62	0.05
Nanticoke Creek	Main-2	18874	25-year	40.8	199.04	201	200.09	201.1	0.000906	1.49	35.61	112.14	0.35
Nanticoke Creek	Main-2	18874	50-year	51.1	199.04	201.22	200.24	201.34	0.000946	1.64	41.87	125.3	0.36
Nanticoke Creek	Main-2	18874	100-year	62	199.04	201.44	200.39	201.59	0.000954	1.77	48.97	138.09	0.37
Nanticoke Creek	Main-2	18874	200-year	73.4	199.04	201.68	200.52	201.84	0.000919	1.85	57.62	145.15	0.37
Nanticoke Creek	Main-2	18874	350-year	83.1	199.04	201.91	200.64	202.06	0.000851	1.88	65.98	151.43	0.36
Nanticoke Creek	Main-2	18874	500-year	89.4	199.04	202.07	200.7	202.22	0.000789	1.89	72.25	154.8	0.35
Nanticoke Creek	Main-2	18874	1000-year	101.9	199.04	202.35	200.85	202.5	0.000718	1.91	83.43	161.04	0.34
Nanticoke Creek	Main-2	18874	Hazel	222.5	199.04	203.41	201.96	203.74	0.00112	2.89	128.95	184.17	0.45
Nanticoke Creek	Main-2	18811	25-year	40.8	199.03	200.99		201.04	0.000461	1.09	56.06	48.99	0.25
Nanticoke Creek	Main-2	18811	50-year	51.1	199.03	201.22		201.28	0.000463	1.17	67.62	51.1	0.26
Nanticoke Creek	Main-2	18811	100-year	62	199.03	201.46		201.52	0.000451	1.24	79.95	53.36	0.26
Nanticoke Creek	Main-2	18811	200-year	73.4	199.03	201.7		201.77	0.000428	1.29	93.26	55.05	0.26
Nanticoke Creek	Main-2	18811	350-year	83.1	199.03	201.93		202	0.000396	1.31	105.87	56.23	0.25
Nanticoke Creek	Main-2	18811	500-year	89.4	199.03	202.1		202.16	0.000367	1.31	115.24	57.22	0.24
Nanticoke Creek	Main-2	18811	1000-year	101.9	199.03	202.38		202.45	0.00034	1.34	131.95	61.05	0.24
Nanticoke Creek	Main-2	18811	Hazel	222.5	199.03	203.49		203.64	0.000511	2	207.8	72.14	0.3
Nanticoke Creek	Main-2	18763	25-year	40.8	199.02	200.98		201.02	0.000387	1	60.21	56.17	0.23
Nanticoke Creek	Main-2	18763	50-year	51.1	199.02	201.21		201.26	0.000385	1.08	73.94	61.21	0.24
Nanticoke Creek	Main-2	18763	100-year	62	199.02	201.45		201.5	0.000369	1.13	88.69	62.53	0.23
Nanticoke Creek	Main-2	18763	200-year	73.4	199.02	201.69		201.75	0.000346	1.17	104.34	63.77	0.23
Nanticoke Creek	Main-2	18763	350-year	83.1	199.02	201.92		201.98	0.000317	1.19	119.06	64.94	0.22
Nanticoke Creek	Main-2	18763	500-year	89.4	199.02	202.09		202.14	0.000292	1.18	129.99	66.35	0.22
Nanticoke Creek	Main-2	18763	1000-year	101.9	199.02	202.38		202.43	0.000265	1.2	149.35	69.14	0.21
Nanticoke Creek	Main-2	18763	Hazel	222.5	199.02	203.5		203.61	0.000395	1.77	234.48	84.43	0.27
Nanticoke Creek	Main-2	18679	25-year	40.8	199.01	200.97		200.99	0.00023	0.75	90.84	99.98	0.18
Nanticoke Creek	Main-2	18679	50-year	51.1	199.01	201.2		201.23	0.000212	0.78	114.82	102.93	0.17
Nanticoke Creek	Main-2	18679	100-year	62	199.01	201.45		201.47	0.000193	0.81	140.08	105.33	0.17
Nanticoke Creek	Main-2	18679	200-year	73.4	199.01	201.7		201.72	0.000174	0.82	166.76	107.42	0.16
Nanticoke Creek	Main-2	18679	350-year	83.1	199.01	201.93		201.95	0.000154	0.82	191.91	109.64	0.16
Nanticoke Creek	Main-2	18679	500-year	89.4	199.01	202.1		202.12	0.00014	0.81	210.5	111.85	0.15
Nanticoke Creek	Main-2	18679	1000-year	101.9	199.01	202.38		202.41	0.000123	0.81	243.11	114.58	0.14
Nanticoke Creek	Main-2	18679	Hazel	222.5	199.01	203.52		203.57	0.000172	1.16	382.46	129.2	0.18
Nanticoke Creek	Main-2	18632	25-year	40.8	199.01	200.94	199.94	200.98	0.000403	0.98	82.33	102.88	0.23
Nanticoke Creek	Main-2	18632	50-year	51.1	199.01	201.18	200.06	201.22	0.000348	0.99	107.41	104.99	0.22
Nanticoke Creek	Main-2	18632	100-year	62	199.01	201.43	200.2	201.46	0.000302	1	133.67	108.08	0.21
Nanticoke Creek	Main-2	18632	200-year	73.4	199.01	201.68	200.32	201.71	0.000261	0.99	161.47	110.75	0.2
Nanticoke Creek	Main-2	18632	350-year	83.1	199.01	201.91	200.61	201.94	0.000225	0.98	187.68	113.11	0.19
Nanticoke Creek	Main-2	18632	500-year	89.4	199.01	202.08	200.65	202.11	0.0002	0.96	207.08	115.16	0.18
Nanticoke Creek	Main-2	18632	1000-year	101.9	199.01	202.37	200.74	202.4	0.000172	0.95	240.74	117.11	0.17
Nanticoke Creek	Main-2	18632	Hazel	222.5	199.01	203.51	201.3	203.56	0.000227	1.33	378.89	126.57	0.2
Nanticoke Creek	Main-2	18555	25-year	40.8	199.01	200.93		200.95	0.000204	0.71	65.7	65.04	0.17
Nanticoke Creek	Main-2	18555	50-year	51.1	199.01	201.17		201.19	0.000191	0.75	82.58	74.01	0.17
Nanticoke Creek	Main-2	18555	100-year	62	199.01	201.42		201.44	0.00017	0.76	101.69	79.13	0.16
Nanticoke Creek	Main-2	18555	200-year	73.4	199.01	201.67		201.7	0.000149	0.76	122.52	83.57	0.15
Nanticoke Creek	Main-2	18555	350-year	83.1	199.01	201.91		201.93	0.000128	0.75	142.44	85.7	0.14
Nanticoke Creek	Main-2	18555	500-year	89.4	199.01	202.08		202.1	0.000113	0.73	157.26	88.02	0.13
Nanticoke Creek	Main-2	18555	1000-year	101.9	199.01	202.37		202.39	0.000097	0.72	183.4	91.36	0.13

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-2	18555	Hazel	222.5	199.01	203.51		203.54	0.000126	1	299.19	116.78	0.15
Nanticoke Creek	Main-2	18508	25-year	40.8	199.01	200.86		200.93	0.000707	1.29	56.31	66.61	0.31
Nanticoke Creek	Main-2	18508	50-year	51.1	199.01	201.1		201.17	0.000638	1.33	73.14	71.16	0.3
Nanticoke Creek	Main-2	18508	100-year	62	199.01	201.35		201.42	0.000567	1.36	91.52	76.11	0.29
Nanticoke Creek	Main-2	18508	200-year	73.4	199.01	201.61		201.68	0.000527	1.41	113.01	92.51	0.28
Nanticoke Creek	Main-2	18508	350-year	83.1	199.01	201.85		201.92	0.000446	1.37	136.37	99.6	0.26
Nanticoke Creek	Main-2	18508	500-year	89.4	199.01	202.02		202.09	0.000395	1.35	154.44	106.96	0.25
Nanticoke Creek	Main-2	18508	1000-year	101.9	199.01	202.32		202.38	0.000326	1.31	187.36	113.01	0.23
Nanticoke Creek	Main-2	18508	Hazel	222.5	199.01	203.45		203.53	0.000391	1.74	322.91	127.3	0.27
Nanticoke Creek	Main-2	18453	25-year	40.8	198.98	200.86		200.89	0.000353	0.93	99.58	90.8	0.22
Nanticoke Creek	Main-2	18453	50-year	51.1	198.98	201.11		201.14	0.000319	0.96	122.26	93.56	0.21
Nanticoke Creek	Main-2	18453	100-year	62	198.98	201.36		201.39	0.000288	0.98	146.13	96.19	0.21
Nanticoke Creek	Main-2	18453	200-year	73.4	198.98	201.62		201.65	0.00026	1	171.22	99.16	0.2
Nanticoke Creek	Main-2	18453	350-year	83.1	198.98	201.86		201.89	0.000231	1	195.47	102.08	0.19
Nanticoke Creek	Main-2	18453	500-year	89.4	198.98	202.03		202.06	0.00021	0.99	213.5	104.72	0.18
Nanticoke Creek	Main-2	18453	1000-year	101.9	198.98	202.33		202.36	0.000187	1	245.17	109.28	0.18
Nanticoke Creek	Main-2	18453	Hazel	222.5	198.98	203.45		203.5	0.000274	1.47	376.67	124.52	0.22
Nanticoke Creek	Main-2	18348	25-year	40.8	197.98	200.81		200.86	0.000279	0.97	52.79	40.18	0.2
Nanticoke Creek	Main-2	18348	50-year	51.1	197.98	201.04		201.1	0.00031	1.09	62.97	46.97	0.21
Nanticoke Creek	Main-2	18348	100-year	62	197.98	201.29		201.35	0.000322	1.18	74.68	48.99	0.22
Nanticoke Creek	Main-2	18348	200-year	73.4	197.98	201.54		201.61	0.000325	1.25	87.32	51.5	0.23
Nanticoke Creek	Main-2	18348	350-year	83.1	197.98	201.78		201.85	0.00031	1.28	100.01	54.09	0.22
Nanticoke Creek	Main-2	18348	500-year	89.4	197.98	201.96		202.03	0.000293	1.29	109.68	56.01	0.22
Nanticoke Creek	Main-2	18348	1000-year	101.9	197.98	202.25		202.33	0.000278	1.33	126.94	60.75	0.22
Nanticoke Creek	Main-2	18348	Hazel	222.5	197.98	203.26		203.45	0.000543	2.17	213.58	121.01	0.31
Nanticoke Creek	Main-2	18345	25-year	40.8	197.9	200.8	199.26	200.85	0.000341	1.04	45.78	31.44	0.22
Nanticoke Creek	Main-2	18345	50-year	51.1	197.9	201.03	199.41	201.1	0.00038	1.17	53.39	34.26	0.23
Nanticoke Creek	Main-2	18345	100-year	62	197.9	201.27	199.56	201.35	0.000404	1.28	61.96	38.06	0.24
Nanticoke Creek	Main-2	18345	200-year	73.4	197.9	201.52	199.73	201.6	0.000416	1.37	72.04	43.08	0.25
Nanticoke Creek	Main-2	18345	350-year	83.1	197.9	201.75	199.86	201.85	0.000398	1.41	82.53	44.76	0.25
Nanticoke Creek	Main-2	18345	500-year	89.4	197.9	201.93	199.94	202.02	0.000376	1.42	90.52	46.07	0.24
Nanticoke Creek	Main-2	18345	1000-year	101.9	197.9	202.23	200.07	202.32	0.000353	1.46	104.44	48.94	0.24
Nanticoke Creek	Main-2	18345	Hazel	222.5	197.9	203.21	201.21	203.43	0.000665	2.33	152.35	62.43	0.34
Nanticoke Creek	Main-2	18323		Bridge									
Nanticoke Creek	Main-2	18299	25-year	45	196.96	200.79	198.52	200.85	0.000292	1.07	43.4	17.04	0.2
Nanticoke Creek	Main-2	18299	50-year	56.1	196.96	201.02	198.72	201.09	0.000359	1.23	47.35	17.79	0.22
Nanticoke Creek	Main-2	18299	100-year	67.7	196.96	201.25	198.91	201.34	0.000413	1.37	51.63	19.27	0.24
Nanticoke Creek	Main-2	18299	200-year	79.9	196.96	201.49	199.11	201.6	0.00045	1.49	56.47	21.23	0.25
Nanticoke Creek	Main-2	18299	350-year	90.1	196.96	201.72	199.25	201.84	0.000455	1.56	61.57	22.84	0.25
Nanticoke Creek	Main-2	18299	500-year	96.8	196.96	201.89	199.36	202.01	0.000447	1.59	65.64	24.61	0.25
Nanticoke Creek	Main-2	18299	1000-year	110.2	196.96	202.18	199.53	202.31	0.000448	1.67	73.1	28.5	0.26
Nanticoke Creek	Main-2	18299	Hazel	222.8	196.96	203	200.84	203.3	0.000836	2.56	104.4	42	0.36
Nanticoke Creek	Main-2	18231	25-year	45	196.96	200.77	198.51	200.84	0.000311	1.21	42.92	18.31	0.21
Nanticoke Creek	Main-2	18231	50-year	56.1	196.96	200.99	198.73	201.08	0.000385	1.4	46.83	19.27	0.23
Nanticoke Creek	Main-2	18231	100-year	67.7	196.96	201.22	198.95	201.33	0.000449	1.57	50.97	19.98	0.25
Nanticoke Creek	Main-2	18231	200-year	79.9	196.96	201.45	199.16	201.59	0.000504	1.73	55.31	20.89	0.27
Nanticoke Creek	Main-2	18231	350-year	90.1	196.96	201.67	199.32	201.82	0.000526	1.83	59.63	22.11	0.28
Nanticoke Creek	Main-2	18231	500-year	96.8	196.96	201.84	199.43	202	0.000529	1.88	62.96	23.56	0.28
Nanticoke Creek	Main-2	18231	1000-year	110.2	196.96	202.11	199.62	202.29	0.000545	1.99	70.82	41.48	0.29
Nanticoke Creek	Main-2	18231	Hazel	222.8	196.96	202.8	201.02	203.24	0.001237	3.27	122.74	98.15	0.44
Nanticoke Creek	Main-2	18230.9		Bridge									
Nanticoke Creek	Main-2	18230.7	25-year	45	196.52	200.73	198.12	200.76	0.000147	0.85	60.88	93.67	0.15
Nanticoke Creek	Main-2	18230.7	50-year	56.1	196.52	200.91	198.31	200.95	0.000188	0.99	65.55	99.72	0.17
Nanticoke Creek	Main-2	18230.7	100-year	67.7	196.52	201.08	198.48	201.14	0.000229	1.13	69.95	102.52	0.19
Nanticoke Creek	Main-2	18230.7	200-year	79.9	196.52	201.23	198.66	201.31	0.000274	1.27	73.96	105.37	0.2
Nanticoke Creek	Main-2	18230.7	350-year	90.1	196.52	201.38	198.8	201.46	0.000304	1.37	77.66	108.46	0.22

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-2	18230.7	500-year	96.8	196.52	201.48	198.88	201.52	0.000178	1.07	170.53	112.23	0.17
Nanticoke Creek	Main-2	18230.7	1000-year	110.2	196.52	201.67	199.06	201.71	0.000181	1.11	191.72	117.19	0.17
Nanticoke Creek	Main-2	18230.7	Hazel	222.8	196.52	202.71	200.32	202.76	0.000208	1.37	321.49	130.14	0.19
Nanticoke Creek	Main-2	18230.6	25-year	45	196.52	200.74		200.75	0.000066	0.55	127.13	102.1	0.1
Nanticoke Creek	Main-2	18230.6	50-year	56.1	196.52	200.93		200.94	0.000076	0.62	146.56	105.03	0.11
Nanticoke Creek	Main-2	18230.6	100-year	67.7	196.52	201.11		201.12	0.000085	0.68	165.51	108.39	0.12
Nanticoke Creek	Main-2	18230.6	200-year	79.9	196.52	201.27		201.29	0.000093	0.73	183.57	111.4	0.12
Nanticoke Creek	Main-2	18230.6	350-year	90.1	196.52	201.42		201.44	0.000098	0.77	200.64	116.45	0.13
Nanticoke Creek	Main-2	18230.6	500-year	96.8	196.52	201.49		201.52	0.000102	0.8	209.09	117.08	0.13
Nanticoke Creek	Main-2	18230.6	1000-year	110.2	196.52	201.68		201.7	0.000104	0.83	230.83	118.87	0.13
Nanticoke Creek	Main-2	18230.6	Hazel	222.8	196.52	202.72		202.76	0.000135	1.1	359.55	131.44	0.16
Nanticoke Creek	Main-2	18230	25-year	45	198.78	200.73		200.75	0.000202	0.74	98.25	90.44	0.17
Nanticoke Creek	Main-2	18230	50-year	56.1	198.78	200.92		200.94	0.000201	0.78	115.65	94.17	0.17
Nanticoke Creek	Main-2	18230	100-year	67.7	198.78	201.1		201.12	0.000202	0.83	132.95	99.72	0.17
Nanticoke Creek	Main-2	18230	200-year	79.9	198.78	201.26		201.29	0.000202	0.87	149.54	101.31	0.18
Nanticoke Creek	Main-2	18230	350-year	90.1	198.78	201.42		201.44	0.000194	0.89	165.01	103.13	0.17
Nanticoke Creek	Main-2	18230	500-year	96.8	198.78	201.49		201.51	0.000198	0.91	172.51	104.34	0.18
Nanticoke Creek	Main-2	18230	1000-year	110.2	198.78	201.67		201.7	0.000189	0.93	191.99	106.53	0.17
Nanticoke Creek	Main-2	18230	Hazel	222.8	198.78	202.71		202.75	0.000199	1.17	313.02	123.32	0.19
Nanticoke Creek	Main-2	18113	25-year	45	198.65	200.71		200.73	0.000207	0.75	112.45	104.59	0.17
Nanticoke Creek	Main-2	18113	50-year	56.1	198.65	200.89		200.92	0.000216	0.82	132.32	108.06	0.18
Nanticoke Creek	Main-2	18113	100-year	67.7	198.65	201.07		201.1	0.000223	0.87	151.63	110.79	0.18
Nanticoke Creek	Main-2	18113	200-year	79.9	198.65	201.23		201.26	0.000232	0.93	170.02	113.73	0.19
Nanticoke Creek	Main-2	18113	350-year	90.1	198.65	201.39		201.42	0.00023	0.96	187.43	116.79	0.19
Nanticoke Creek	Main-2	18113	500-year	96.8	198.65	201.46		201.49	0.000237	0.99	195.78	117.73	0.19
Nanticoke Creek	Main-2	18113	1000-year	110.2	198.65	201.64		201.68	0.000231	1.03	217.82	120.09	0.19
Nanticoke Creek	Main-2	18113	Hazel	222.8	198.65	202.67		202.73	0.000271	1.36	352.51	141.77	0.22
Nanticoke Creek	Main-2	18033	25-year	45	198.65	200.68		200.71	0.000254	0.82	83.3	77.52	0.19
Nanticoke Creek	Main-2	18033	50-year	56.1	198.65	200.86		200.9	0.000274	0.9	98.01	82.61	0.2
Nanticoke Creek	Main-2	18033	100-year	67.7	198.65	201.04		201.08	0.000291	0.98	112.89	88.73	0.21
Nanticoke Creek	Main-2	18033	200-year	79.9	198.65	201.2		201.24	0.000307	1.05	127.47	92.79	0.21
Nanticoke Creek	Main-2	18033	350-year	90.1	198.65	201.35		201.4	0.000306	1.09	141.62	96	0.22
Nanticoke Creek	Main-2	18033	500-year	96.8	198.65	201.42		201.47	0.000317	1.13	148.31	97.35	0.22
Nanticoke Creek	Main-2	18033	1000-year	110.2	198.65	201.6		201.66	0.000313	1.17	166.76	102.8	0.22
Nanticoke Creek	Main-2	18033	Hazel	222.8	198.65	202.62		202.7	0.000361	1.54	285.61	129.79	0.25
Nanticoke Creek	Main-2	17959	25-year	45	198.64	200.64		200.69	0.000455	1.05	74.26	82.44	0.25
Nanticoke Creek	Main-2	17959	50-year	56.1	198.64	200.82		200.87	0.000467	1.13	89.77	88.36	0.25
Nanticoke Creek	Main-2	17959	100-year	67.7	198.64	201		201.05	0.000472	1.2	105.54	93.13	0.26
Nanticoke Creek	Main-2	17959	200-year	79.9	198.64	201.16		201.22	0.000481	1.27	120.81	97.07	0.26
Nanticoke Creek	Main-2	17959	350-year	90.1	198.64	201.31		201.37	0.000464	1.3	135.9	101.22	0.26
Nanticoke Creek	Main-2	17959	500-year	96.8	198.64	201.38		201.44	0.000476	1.34	142.91	103.47	0.27
Nanticoke Creek	Main-2	17959	1000-year	110.2	198.64	201.57		201.63	0.000453	1.37	162.79	108.69	0.26
Nanticoke Creek	Main-2	17959	Hazel	222.8	198.64	202.59		202.68	0.000457	1.7	286.38	129.88	0.28
Nanticoke Creek	Main-2	17899	25-year	45	198.64	200.63		200.66	0.000329	0.91	85.32	89.3	0.21
Nanticoke Creek	Main-2	17899	50-year	56.1	198.64	200.81		200.85	0.000341	0.99	102.02	93.28	0.22
Nanticoke Creek	Main-2	17899	100-year	67.7	198.64	200.98		201.02	0.00035	1.05	118.61	97.09	0.23
Nanticoke Creek	Main-2	17899	200-year	79.9	198.64	201.14		201.19	0.000367	1.13	134.56	105.57	0.23
Nanticoke Creek	Main-2	17899	350-year	90.1	198.64	201.29		201.34	0.000355	1.16	151.15	109.76	0.23
Nanticoke Creek	Main-2	17899	500-year	96.8	198.64	201.36		201.41	0.000364	1.19	158.74	113.48	0.24
Nanticoke Creek	Main-2	17899	1000-year	110.2	198.64	201.55		201.6	0.000356	1.24	181.01	125.26	0.24
Nanticoke Creek	Main-2	17899	Hazel	222.8	198.64	202.58		202.65	0.000353	1.52	320.23	143.43	0.25
Nanticoke Creek	Main-2	17803	25-year	45	198.64	200.62		200.63	0.000209	0.74	108.31	101.93	0.17
Nanticoke Creek	Main-2	17803	50-year	56.1	198.64	200.8		200.82	0.000209	0.79	127.22	103.4	0.17
Nanticoke Creek	Main-2	17803	100-year	67.7	198.64	200.98		200.99	0.00021	0.83	145.66	106.62	0.17
Nanticoke Creek	Main-2	17803	200-year	79.9	198.64	201.14		201.16	0.000213	0.88	162.96	108.53	0.18
Nanticoke Creek	Main-2	17803	350-year	90.1	198.64	201.29		201.31	0.000206	0.9	179.92	110.83	0.18
Nanticoke Creek	Main-2	17803	500-year	96.8	198.64	201.36		201.38	0.000211	0.92	187.56	111.78	0.18
Nanticoke Creek	Main-2	17803	1000-year	110.2	198.64	201.55		201.57	0.000202	0.95	208.98	114.8	0.18

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-2	17803	Hazel	222.8	198.64	202.58		202.61	0.000218	1.2	340.77	136.06	0.19
Nanticoke Creek	Main-2	17700	25-year	45	198.56	200.6		200.62	0.000152	0.64	87.67	73.76	0.15
Nanticoke Creek	Main-2	17700	50-year	56.1	198.56	200.78		200.8	0.000158	0.7	101.66	78.7	0.15
Nanticoke Creek	Main-2	17700	100-year	67.7	198.56	200.96		200.98	0.000162	0.74	115.74	83.6	0.15
Nanticoke Creek	Main-2	17700	200-year	79.9	198.56	201.12		201.14	0.000168	0.79	129.35	86.85	0.16
Nanticoke Creek	Main-2	17700	350-year	90.1	198.56	201.27		201.3	0.000164	0.81	142.96	89	0.16
Nanticoke Creek	Main-2	17700	500-year	96.8	198.56	201.34		201.37	0.00017	0.84	149.02	89.76	0.16
Nanticoke Creek	Main-2	17700	1000-year	110.2	198.56	201.53		201.56	0.000164	0.86	166.2	91.88	0.16
Nanticoke Creek	Main-2	17700	Hazel	222.8	198.56	202.56		202.6	0.000187	1.13	268.69	109.29	0.18
Nanticoke Creek	Main-2	17600	25-year	45	198.54	200.55		200.59	0.000468	1.11	80.21	75.47	0.25
Nanticoke Creek	Main-2	17600	50-year	56.1	198.54	200.73		200.77	0.000489	1.2	93.92	77.37	0.26
Nanticoke Creek	Main-2	17600	100-year	67.7	198.54	200.9		200.95	0.000503	1.28	107.28	79.04	0.27
Nanticoke Creek	Main-2	17600	200-year	79.9	198.54	201.05		201.11	0.000524	1.37	119.68	80.45	0.28
Nanticoke Creek	Main-2	17600	350-year	90.1	198.54	201.21		201.27	0.00051	1.4	132.21	81.72	0.28
Nanticoke Creek	Main-2	17600	500-year	96.8	198.54	201.27		201.34	0.000529	1.45	137.5	82.29	0.28
Nanticoke Creek	Main-2	17600	1000-year	110.2	198.54	201.46		201.53	0.00051	1.5	153.22	84.09	0.28
Nanticoke Creek	Main-2	17600	Hazel	222.8	198.54	202.46		202.56	0.000591	1.96	241.31	92.11	0.32
Nanticoke Creek	Main-2	17500	25-year	45	198.52	200.48		200.54	0.000591	1.26	75.98	79.16	0.29
Nanticoke Creek	Main-2	17500	50-year	56.1	198.52	200.66		200.72	0.000626	1.38	90.61	89.21	0.3
Nanticoke Creek	Main-2	17500	100-year	67.7	198.52	200.82		200.89	0.00066	1.49	106.06	95.92	0.31
Nanticoke Creek	Main-2	17500	200-year	79.9	198.52	200.98		201.05	0.00066	1.55	121.33	98.13	0.32
Nanticoke Creek	Main-2	17500	350-year	90.1	198.52	201.14		201.21	0.000613	1.56	137.36	100.32	0.31
Nanticoke Creek	Main-2	17500	500-year	96.8	198.52	201.21		201.28	0.000628	1.61	143.77	100.97	0.31
Nanticoke Creek	Main-2	17500	1000-year	110.2	198.52	201.4		201.47	0.000576	1.61	163.9	103.09	0.3
Nanticoke Creek	Main-2	17500	Hazel	222.8	198.52	202.41		202.5	0.000594	2	274.86	118.43	0.32
Nanticoke Creek	Main-2	17400	25-year	45	198.43	200.36		200.46	0.00092	1.55	53.21	61.92	0.36
Nanticoke Creek	Main-2	17400	50-year	56.1	198.43	200.53		200.64	0.000998	1.7	63.41	64.57	0.38
Nanticoke Creek	Main-2	17400	100-year	67.7	198.43	200.68		200.8	0.001042	1.82	73.73	67.3	0.39
Nanticoke Creek	Main-2	17400	200-year	79.9	198.43	200.82		200.96	0.001114	1.96	83.54	72.39	0.41
Nanticoke Creek	Main-2	17400	350-year	90.1	198.43	200.98		201.12	0.001069	2.01	95.91	79.17	0.4
Nanticoke Creek	Main-2	17400	500-year	96.8	198.43	201.04		201.19	0.001111	2.08	100.37	79.99	0.41
Nanticoke Creek	Main-2	17400	1000-year	110.2	198.43	201.25		201.39	0.000995	2.07	117.65	84.09	0.4
Nanticoke Creek	Main-2	17400	Hazel	222.8	198.43	202.26		202.42	0.000918	2.45	210.62	99.42	0.4
Nanticoke Creek	Main-2	17300	25-year	45	198.42	200.27	199.83	200.35	0.001137	1.65	64.73	75.21	0.39
Nanticoke Creek	Main-2	17300	50-year	56.1	198.42	200.44	199.93	200.52	0.001136	1.75	77.29	77.87	0.4
Nanticoke Creek	Main-2	17300	100-year	67.7	198.42	200.6	200.03	200.69	0.00112	1.83	90.03	80.44	0.4
Nanticoke Creek	Main-2	17300	200-year	79.9	198.42	200.74		200.84	0.001131	1.92	101.91	84.31	0.41
Nanticoke Creek	Main-2	17300	350-year	90.1	198.42	200.92		201.01	0.001009	1.91	117.08	89.88	0.39
Nanticoke Creek	Main-2	17300	500-year	96.8	198.42	200.97		201.07	0.00105	1.97	122.02	94.32	0.4
Nanticoke Creek	Main-2	17300	1000-year	110.2	198.42	201.18		201.28	0.001027	2.06	143.92	114.8	0.4
Nanticoke Creek	Main-2	17300	Hazel	222.8	198.42	202.22		202.32	0.000777	2.23	271.13	127.47	0.37
Nanticoke Creek	Main-2	17200	25-year	45	198.41	199.73	199.73	200.1	0.005809	3.02	21.89	34.94	0.84
Nanticoke Creek	Main-2	17200	50-year	56.1	198.41	199.88	199.88	200.27	0.005555	3.17	27.19	35.63	0.84
Nanticoke Creek	Main-2	17200	100-year	67.7	198.41	199.99	199.99	200.43	0.005801	3.41	31.28	36.73	0.87
Nanticoke Creek	Main-2	17200	200-year	79.9	198.41	200.19	200.1	200.6	0.004793	3.36	39.72	46.72	0.81
Nanticoke Creek	Main-2	17200	350-year	90.1	198.41	200.63		200.85	0.002157	2.61	67.81	73.93	0.56
Nanticoke Creek	Main-2	17200	500-year	96.8	198.41	200.67		200.9	0.002319	2.74	70.15	74.45	0.58
Nanticoke Creek	Main-2	17200	1000-year	110.2	198.41	200.97		201.14	0.001589	2.47	93.16	76.76	0.49
Nanticoke Creek	Main-2	17200	Hazel	222.8	198.41	202.03		202.21	0.001244	2.75	181.43	92.03	0.46
Nanticoke Creek	Main-2	16960	25-year	45	197.09	199.74		199.77	0.000309	0.85	95	158.46	0.2
Nanticoke Creek	Main-2	16960	50-year	56.1	197.09	199.95		199.97	0.000232	0.79	128.96	174.94	0.18
Nanticoke Creek	Main-2	16960	100-year	67.7	197.09	200.17		200.18	0.000175	0.73	172.08	216.62	0.16
Nanticoke Creek	Main-2	16960	200-year	79.9	197.09	200.38		200.39	0.000134	0.68	221.5	242.47	0.14
Nanticoke Creek	Main-2	16960	350-year	90.1	197.09	200.74		200.74	0.000072	0.55	311.44	258.36	0.1
Nanticoke Creek	Main-2	16960	500-year	96.8	197.09	200.78		200.79	0.000075	0.57	322.17	259.65	0.11
Nanticoke Creek	Main-2	16960	1000-year	110.2	197.09	201.05		201.06	0.000056	0.52	394.59	270.59	0.09
Nanticoke Creek	Main-2	16960	Hazel	222.8	197.09	202.12		202.13	0.000045	0.56	700.8	295.89	0.09

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-2	16956	25-year	45	197.23	199.66	198.57	199.75	0.000716	1.32	36.74	91.67	0.31
Nanticoke Creek	Main-2	16956	50-year	56.1	197.23	199.84	198.74	199.94	0.000781	1.46	41.67	179.66	0.33
Nanticoke Creek	Main-2	16956	100-year	67.7	197.23	200.03	198.9	200.15	0.000805	1.57	46.96	204.31	0.34
Nanticoke Creek	Main-2	16956	200-year	79.9	197.23	200.23	199.06	200.36	0.00081	1.67	52.44	226.85	0.34
Nanticoke Creek	Main-2	16956	350-year	90.1	197.23	200.68	199.21	200.73	0.000296	1.13	123.41	253.98	0.21
Nanticoke Creek	Main-2	16956	500-year	96.8	197.23	200.72	199.35	200.77	0.000315	1.18	127.86	255.02	0.22
Nanticoke Creek	Main-2	16956	1000-year	110.2	197.23	201.01	199.49	201.05	0.000228	1.07	162.9	266.59	0.19
Nanticoke Creek	Main-2	16956	Hazel	222.8	197.23	202.12	200.3	202.13	0.00004	0.54	671.87	310.13	0.08
Nanticoke Creek	Main-2	16943		Bridge									
Nanticoke Creek	Main-2	16929	25-year	45	197	199.64	198.44	199.71	0.000587	1.2	44.8	152.98	0.27
Nanticoke Creek	Main-2	16929	50-year	56.1	197	199.8	198.61	199.89	0.000672	1.36	50.4	191.41	0.3
Nanticoke Creek	Main-2	16929	100-year	67.7	197	199.98	198.76	200.08	0.000727	1.49	56.33	224.05	0.31
Nanticoke Creek	Main-2	16929	200-year	79.9	197	200.15	198.93	200.27	0.000765	1.6	62.36	248.05	0.33
Nanticoke Creek	Main-2	16929	350-year	90.1	197	200.31	199.06	200.44	0.000771	1.68	67.72	255.87	0.33
Nanticoke Creek	Main-2	16929	500-year	96.8	197	200.41	199.19	200.54	0.000776	1.72	71.06	262.07	0.33
Nanticoke Creek	Main-2	16929	1000-year	110.2	197	200.63	199.33	200.77	0.000756	1.79	78.43	271.56	0.33
Nanticoke Creek	Main-2	16929	Hazel	222.8	197	202.1	200.12	202.11	0.000049	0.6	756.61	342.44	0.09
Nanticoke Creek	Main-2	16923	25-year	45	197	199.66		199.68	0.00027	0.83	127.71	266.01	0.19
Nanticoke Creek	Main-2	16923	50-year	56.1	197	199.83		199.85	0.000221	0.8	175.26	272.81	0.17
Nanticoke Creek	Main-2	16923	100-year	67.7	197	200.02		200.03	0.000177	0.75	226.24	280.64	0.16
Nanticoke Creek	Main-2	16923	200-year	79.9	197	200.21		200.22	0.000145	0.72	279.09	286.63	0.14
Nanticoke Creek	Main-2	16923	350-year	90.1	197	200.37		200.38	0.000122	0.68	326.31	292.22	0.13
Nanticoke Creek	Main-2	16923	500-year	96.8	197	200.47		200.48	0.000111	0.67	356.18	294.94	0.13
Nanticoke Creek	Main-2	16923	1000-year	110.2	197	200.69		200.7	0.00009	0.63	422.2	301.08	0.12
Nanticoke Creek	Main-2	16923	Hazel	222.8	197	202.1		202.11	0.000044	0.58	880.22	347.96	0.09
Nanticoke Creek	Main-2	16904	25-year	45	198.25	199.63		199.65	0.000482	0.85	136.99	237.15	0.24
Nanticoke Creek	Main-2	16904	50-year	56.1	198.25	199.81		199.83	0.000347	0.79	180.97	241.8	0.21
Nanticoke Creek	Main-2	16904	100-year	67.7	198.25	200		200.01	0.000263	0.74	227.06	245.89	0.19
Nanticoke Creek	Main-2	16904	200-year	79.9	198.25	200.19		200.2	0.00021	0.71	273.84	249.4	0.17
Nanticoke Creek	Main-2	16904	350-year	90.1	198.25	200.36		200.37	0.000175	0.69	315.42	254.08	0.16
Nanticoke Creek	Main-2	16904	500-year	96.8	198.25	200.46		200.47	0.000159	0.68	341.94	262.93	0.15
Nanticoke Creek	Main-2	16904	1000-year	110.2	198.25	200.68		200.69	0.000129	0.66	403.88	282.93	0.14
Nanticoke Creek	Main-2	16904	Hazel	222.8	198.25	202.1		202.1	0.000064	0.63	836.46	331.23	0.1
Nanticoke Creek	Main-2	16894	25-year	45	198.21	199.62		199.63	0.000322	0.74	164.7	269.79	0.2
Nanticoke Creek	Main-2	16894	50-year	56.1	198.21	199.8		199.81	0.000237	0.69	215.8	274.23	0.18
Nanticoke Creek	Main-2	16894	100-year	67.7	198.21	200		200	0.000182	0.65	268.61	276.87	0.16
Nanticoke Creek	Main-2	16894	200-year	79.9	198.21	200.19		200.19	0.000149	0.63	321.64	279.83	0.14
Nanticoke Creek	Main-2	16894	350-year	90.1	198.21	200.35		200.36	0.000126	0.61	368.41	283.24	0.13
Nanticoke Creek	Main-2	16894	500-year	96.8	198.21	200.46		200.46	0.000116	0.61	397.72	285.9	0.13
Nanticoke Creek	Main-2	16894	1000-year	110.2	198.21	200.68		200.69	0.000095	0.59	462.49	291.13	0.12
Nanticoke Creek	Main-2	16894	Hazel	222.8	198.21	202.09		202.1	0.000053	0.59	902.84	336.68	0.1
Nanticoke Creek	Main-2	16779	25-year	45	198.03	199.58		199.6	0.000262	0.71	106.94	130.24	0.18
Nanticoke Creek	Main-2	16779	50-year	56.1	198.03	199.77		199.79	0.000241	0.74	131.84	134.05	0.18
Nanticoke Creek	Main-2	16779	100-year	67.7	198.03	199.97		199.99	0.000221	0.76	159.47	154.28	0.18
Nanticoke Creek	Main-2	16779	200-year	79.9	198.03	200.16		200.18	0.0002	0.77	189.88	160.77	0.17
Nanticoke Creek	Main-2	16779	350-year	90.1	198.03	200.33		200.35	0.00018	0.77	217.2	163.92	0.16
Nanticoke Creek	Main-2	16779	500-year	96.8	198.03	200.43		200.45	0.000171	0.77	234.32	165.66	0.16
Nanticoke Creek	Main-2	16779	1000-year	110.2	198.03	200.66		200.68	0.000148	0.76	272.25	169.38	0.15
Nanticoke Creek	Main-2	16779	Hazel	222.8	198.03	202.07		202.09	0.000103	0.85	545.68	227.89	0.14
Nanticoke Creek	Main-2	16687	25-year	45	197.95	199.57		199.58	0.000236	0.66	169	222.2	0.17
Nanticoke Creek	Main-2	16687	50-year	56.1	197.95	199.77		199.77	0.00019	0.64	212.64	228.34	0.16
Nanticoke Creek	Main-2	16687	100-year	67.7	197.95	199.96		199.97	0.000155	0.63	257.63	229.71	0.14
Nanticoke Creek	Main-2	16687	200-year	79.9	197.95	200.16		200.16	0.000133	0.62	302.39	231.01	0.14
Nanticoke Creek	Main-2	16687	350-year	90.1	197.95	200.33		200.33	0.000116	0.61	341.65	232.37	0.13
Nanticoke Creek	Main-2	16687	500-year	96.8	197.95	200.43		200.44	0.000109	0.61	365.99	233.38	0.12
Nanticoke Creek	Main-2	16687	1000-year	110.2	197.95	200.66		200.66	0.000092	0.59	419.33	235.09	0.12
Nanticoke Creek	Main-2	16687	Hazel	222.8	197.95	202.08		202.08	0.000061	0.64	763.06	254.59	0.1

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-2	16529	25-year	45	197.83	199.53		199.55	0.000367	0.89	135	200.75	0.22
Nanticoke Creek	Main-2	16529	50-year	56.1	197.83	199.73		199.75	0.000284	0.85	176.77	205.86	0.2
Nanticoke Creek	Main-2	16529	100-year	67.7	197.83	199.94		199.95	0.000228	0.81	218.72	206.63	0.18
Nanticoke Creek	Main-2	16529	200-year	79.9	197.83	200.14		200.15	0.000193	0.79	259.8	207.28	0.17
Nanticoke Creek	Main-2	16529	350-year	90.1	197.83	200.31		200.32	0.000167	0.78	295.55	207.8	0.16
Nanticoke Creek	Main-2	16529	500-year	96.8	197.83	200.41		200.42	0.000156	0.77	317.56	208.26	0.15
Nanticoke Creek	Main-2	16529	1000-year	110.2	197.83	200.64		200.65	0.000132	0.75	365.6	209.51	0.14
Nanticoke Creek	Main-2	16529	Hazel	222.8	197.83	202.07		202.08	0.000083	0.78	684.74	249.83	0.12
Nanticoke Creek	Main-2	16427	25-year	45	197.78	199.51		199.53	0.000283	0.79	136.2	160.8	0.19
Nanticoke Creek	Main-2	16427	50-year	56.1	197.78	199.72		199.73	0.00024	0.79	169.87	163.63	0.18
Nanticoke Creek	Main-2	16427	100-year	67.7	197.78	199.92		199.94	0.000209	0.79	203.63	164.96	0.17
Nanticoke Creek	Main-2	16427	200-year	79.9	197.78	200.12		200.14	0.000187	0.79	237.78	186.61	0.17
Nanticoke Creek	Main-2	16427	350-year	90.1	197.78	200.3		200.31	0.000167	0.79	272.01	204.25	0.16
Nanticoke Creek	Main-2	16427	500-year	96.8	197.78	200.4		200.42	0.000158	0.79	296.32	241.78	0.16
Nanticoke Creek	Main-2	16427	1000-year	110.2	197.78	200.64		200.65	0.000134	0.77	354.54	256.83	0.15
Nanticoke Creek	Main-2	16427	Hazel	222.8	197.78	202.06		202.07	0.000076	0.76	745.84	287	0.12
Nanticoke Creek	Main-2	16342	25-year	45	197.66	199.49		199.5	0.000274	0.79	131.76	145.78	0.19
Nanticoke Creek	Main-2	16342	50-year	56.1	197.66	199.7		199.71	0.000243	0.8	162.56	147.68	0.18
Nanticoke Creek	Main-2	16342	100-year	67.7	197.66	199.9		199.92	0.000219	0.81	193.5	150.58	0.18
Nanticoke Creek	Main-2	16342	200-year	79.9	197.66	200.1		200.12	0.000204	0.83	228.04	189.86	0.17
Nanticoke Creek	Main-2	16342	350-year	90.1	197.66	200.27		200.29	0.000218	0.9	264.8	235.79	0.18
Nanticoke Creek	Main-2	16342	500-year	96.8	197.66	200.38		200.4	0.000199	0.89	290.54	237.84	0.17
Nanticoke Creek	Main-2	16342	1000-year	110.2	197.66	200.62		200.63	0.000162	0.85	347.18	242.14	0.16
Nanticoke Creek	Main-2	16342	Hazel	222.8	197.66	202.05		202.07	0.000089	0.82	713.59	269.09	0.13
Nanticoke Creek	Main-2	16124	25-year	45	197.42	199.43		199.45	0.000435	0.86	110.12	137.93	0.2
Nanticoke Creek	Main-2	16124	50-year	56.1	197.42	199.66		199.67	0.000345	0.81	140.99	139.35	0.18
Nanticoke Creek	Main-2	16124	100-year	67.7	197.42	199.87		199.88	0.000289	0.78	171.22	141.27	0.17
Nanticoke Creek	Main-2	16124	200-year	79.9	197.42	200.08		200.09	0.000253	0.75	200.42	142.75	0.16
Nanticoke Creek	Main-2	16124	350-year	90.1	197.42	200.25		200.26	0.000225	0.74	225.13	143.72	0.15
Nanticoke Creek	Main-2	16124	500-year	96.8	197.42	200.36		200.37	0.00021	0.74	241.1	144.64	0.14
Nanticoke Creek	Main-2	16124	1000-year	110.2	197.42	200.6		200.61	0.000179	0.72	276.3	154.49	0.14
Nanticoke Creek	Main-2	16124	Hazel	222.8	197.42	202.04		202.05	0.000115	0.76	626.91	340.61	0.12
Nanticoke Creek	Main-2	16065	25-year	45	197.39	199.39		199.42	0.000428	1.03	109.93	130.8	0.24
Nanticoke Creek	Main-2	16065	50-year	56.1	197.39	199.62		199.65	0.000359	1.02	142.36	151.83	0.22
Nanticoke Creek	Main-2	16065	100-year	67.7	197.39	199.84		199.86	0.000308	1.01	176.47	160.58	0.21
Nanticoke Creek	Main-2	16065	200-year	79.9	197.39	200.05		200.07	0.000272	1	210.6	166.54	0.2
Nanticoke Creek	Main-2	16065	350-year	90.1	197.39	200.22		200.24	0.000245	1	240.21	171.38	0.19
Nanticoke Creek	Main-2	16065	500-year	96.8	197.39	200.34		200.36	0.00023	0.99	259.61	174.27	0.19
Nanticoke Creek	Main-2	16065	1000-year	110.2	197.39	200.58		200.6	0.000196	0.97	302.68	179.84	0.18
Nanticoke Creek	Main-2	16065	Hazel	222.8	197.39	202.02		202.04	0.000146	1.08	600.85	246.62	0.16
Nanticoke Creek	Main-2	15876	25-year	45	197.34	199.36	198.53	199.37	0.000233	0.79	133.23	188.47	0.18
Nanticoke Creek	Main-2	15876	50-year	56.1	197.34	199.59	198.63	199.61	0.000208	0.8	165.44	203.72	0.17
Nanticoke Creek	Main-2	15876	100-year	67.7	197.34	199.81	198.7	199.83	0.00019	0.82	197.43	216.06	0.17
Nanticoke Creek	Main-2	15876	200-year	79.9	197.34	200.02	198.77	200.04	0.000178	0.84	228.84	229.17	0.16
Nanticoke Creek	Main-2	15876	350-year	90.1	197.34	200.2	198.82	200.22	0.000167	0.85	256.12	236.61	0.16
Nanticoke Creek	Main-2	15876	500-year	96.8	197.34	200.31	198.86	200.33	0.000161	0.85	273.92	241.42	0.16
Nanticoke Creek	Main-2	15876	1000-year	110.2	197.34	200.56	198.92	200.57	0.000144	0.85	313.33	252.85	0.15
Nanticoke Creek	Main-2	15876	Hazel	222.8	197.34	202.02	199.32	202.03	0.000064	0.73	842.63	309.59	0.11
Nanticoke Creek	Main-2	15777	25-year	45	197.31	199.34		199.35	0.000154	0.65	174.85	163.4	0.15
Nanticoke Creek	Main-2	15777	50-year	56.1	197.31	199.58		199.59	0.000138	0.66	213.6	167.12	0.14
Nanticoke Creek	Main-2	15777	100-year	67.7	197.31	199.8		199.81	0.000127	0.68	251.44	171	0.14
Nanticoke Creek	Main-2	15777	200-year	79.9	197.31	200.01		200.02	0.00012	0.7	287.94	174.25	0.14
Nanticoke Creek	Main-2	15777	350-year	90.1	197.31	200.19		200.2	0.000114	0.71	319.19	177.32	0.13
Nanticoke Creek	Main-2	15777	500-year	96.8	197.31	200.3		200.31	0.00011	0.71	339.45	178.63	0.13
Nanticoke Creek	Main-2	15777	1000-year	110.2	197.31	200.55		200.56	0.000099	0.72	384.04	182.2	0.13
Nanticoke Creek	Main-2	15777	Hazel	222.8	197.31	202.01		202.02	0.000081	0.83	661.58	198.86	0.12
Nanticoke Creek	Main-2	15661	25-year	45	197.28	199.31		199.33	0.00028	0.85	120.27	112.96	0.2
Nanticoke Creek	Main-2	15661	50-year	56.1	197.28	199.55		199.57	0.000251	0.87	147.39	115.77	0.19

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-2	15661	100-year	67.7	197.28	199.77		199.8	0.000231	0.89	173.73	118.16	0.18
Nanticoke Creek	Main-2	15661	200-year	79.9	197.28	199.99		200.01	0.000222	0.93	199.22	124.17	0.18
Nanticoke Creek	Main-2	15661	350-year	90.1	197.28	200.17		200.19	0.00021	0.94	221.83	129.33	0.18
Nanticoke Creek	Main-2	15661	500-year	96.8	197.28	200.28		200.3	0.000203	0.95	236.96	137.48	0.18
Nanticoke Creek	Main-2	15661	1000-year	110.2	197.28	200.53		200.55	0.000184	0.96	275.47	174.97	0.17
Nanticoke Creek	Main-2	15661	Hazel	222.8	197.28	201.99		202.01	0.000118	0.99	602.43	244.66	0.15
Nanticoke Creek	Main-2	15469	25-year	45	197.15	199.19		199.26	0.000622	1.32	73	86.1	0.3
Nanticoke Creek	Main-2	15469	50-year	56.1	197.15	199.44		199.5	0.000539	1.33	96.71	105.27	0.28
Nanticoke Creek	Main-2	15469	100-year	67.7	197.15	199.68		199.73	0.000486	1.34	123.33	118.9	0.27
Nanticoke Creek	Main-2	15469	200-year	79.9	197.15	199.9		199.95	0.000418	1.32	151.57	131.21	0.26
Nanticoke Creek	Main-2	15469	350-year	90.1	197.15	200.09		200.14	0.000366	1.29	177.2	140.47	0.24
Nanticoke Creek	Main-2	15469	500-year	96.8	197.15	200.21		200.25	0.000338	1.27	194.43	145.71	0.23
Nanticoke Creek	Main-2	15469	1000-year	110.2	197.15	200.47		200.51	0.000276	1.22	233.11	150.25	0.21
Nanticoke Creek	Main-2	15469	Hazel	222.8	197.15	201.97		201.99	0.000138	1.11	560.51	254.79	0.16
Nanticoke Creek	Main-2	15380	25-year	45	196	199.17		199.22	0.000288	1.09	73.15	65.2	0.2
Nanticoke Creek	Main-2	15380	50-year	56.1	196	199.42		199.47	0.000289	1.15	90.21	73.74	0.21
Nanticoke Creek	Main-2	15380	100-year	67.7	196	199.65		199.7	0.000282	1.19	108.27	81.88	0.21
Nanticoke Creek	Main-2	15380	200-year	79.9	196	199.87		199.92	0.000276	1.23	127.54	93.02	0.21
Nanticoke Creek	Main-2	15380	350-year	90.1	196	200.06		200.11	0.000263	1.24	145.68	99.35	0.2
Nanticoke Creek	Main-2	15380	500-year	96.8	196	200.18		200.23	0.000253	1.25	157.81	104.53	0.2
Nanticoke Creek	Main-2	15380	1000-year	110.2	196	200.44		200.49	0.000224	1.22	186.3	112.47	0.19
Nanticoke Creek	Main-2	15380	Hazel	222.8	196	201.95		201.98	0.000133	1.16	447.34	204.47	0.15
Nanticoke Creek	Main-2	15376	25-year	45	196	199.15	197.49	199.21	0.00035	1.21	58.75	67.78	0.23
Nanticoke Creek	Main-2	15376	50-year	56.1	196	199.38	197.68	199.46	0.000392	1.35	67.58	74.86	0.24
Nanticoke Creek	Main-2	15376	100-year	67.7	196	199.6	198.01	199.69	0.000429	1.48	75.89	83.18	0.26
Nanticoke Creek	Main-2	15376	200-year	79.9	196	199.81	198.19	199.91	0.000464	1.6	83.74	89.04	0.27
Nanticoke Creek	Main-2	15376	350-year	90.1	196	199.98	198.32	200.09	0.000482	1.68	90.36	95.78	0.28
Nanticoke Creek	Main-2	15376	500-year	96.8	196	200.09	198.4	200.21	0.000492	1.73	94.59	97.36	0.28
Nanticoke Creek	Main-2	15376	1000-year	110.2	196	200.34	198.54	200.46	0.000493	1.81	103.99	106.61	0.28
Nanticoke Creek	Main-2	15376	Hazel	222.8	196	201.72	199.54	201.92	0.000624	2.46	156.27	199.95	0.34
Nanticoke Creek	Main-2	15354		Bridge									
Nanticoke Creek	Main-2	15337	25-year	45	195.94	199.09	197.67	199.17	0.000463	1.26	38.48	20.46	0.26
Nanticoke Creek	Main-2	15337	50-year	56.1	195.94	199.3	197.84	199.4	0.000529	1.42	42.88	21.5	0.28
Nanticoke Creek	Main-2	15337	100-year	67.7	195.94	199.49	198.02	199.61	0.000595	1.58	47.08	22.66	0.3
Nanticoke Creek	Main-2	15337	200-year	79.9	195.94	199.66	198.19	199.8	0.000667	1.73	51.06	24.1	0.32
Nanticoke Creek	Main-2	15337	350-year	90.1	195.94	199.81	198.33	199.96	0.00071	1.85	54.62	25.39	0.33
Nanticoke Creek	Main-2	15337	500-year	96.8	195.94	199.9	198.43	200.07	0.000735	1.91	56.96	26.28	0.34
Nanticoke Creek	Main-2	15337	1000-year	110.2	195.94	200.11	198.58	200.29	0.000745	2.01	62.77	28.62	0.34
Nanticoke Creek	Main-2	15337	Hazel	222.8	195.94	201.36	199.61	201.63	0.000762	2.5	106.12	161.65	0.37
Nanticoke Creek	Main-2	15330	25-year	45	197.13	199.09		199.16	0.000696	1.33	43.85	53.22	0.31
Nanticoke Creek	Main-2	15330	50-year	56.1	197.13	199.31		199.38	0.000637	1.37	56.49	63.5	0.3
Nanticoke Creek	Main-2	15330	100-year	67.7	197.13	199.51		199.58	0.00059	1.4	70.08	70.41	0.29
Nanticoke Creek	Main-2	15330	200-year	79.9	197.13	199.69		199.76	0.000545	1.42	83.45	76.16	0.29
Nanticoke Creek	Main-2	15330	350-year	90.1	197.13	199.84		199.91	0.000503	1.42	96.01	86.61	0.28
Nanticoke Creek	Main-2	15330	500-year	96.8	197.13	199.94		200.01	0.000479	1.41	104.67	90.26	0.27
Nanticoke Creek	Main-2	15330	1000-year	110.2	197.13	200.16		200.23	0.000411	1.38	125.4	97.19	0.26
Nanticoke Creek	Main-2	15330	Hazel	222.8	197.13	201.47		201.52	0.000234	1.33	309.82	196.18	0.2
Nanticoke Creek	Main-2	15280	25-year	45	197.12	199.08		199.12	0.000485	1.14	86.71	88.03	0.26
Nanticoke Creek	Main-2	15280	50-year	56.1	197.12	199.3		199.34	0.000444	1.17	106.87	92.74	0.25
Nanticoke Creek	Main-2	15280	100-year	67.7	197.12	199.51		199.55	0.000421	1.21	125.89	96.48	0.25
Nanticoke Creek	Main-2	15280	200-year	79.9	197.12	199.69		199.73	0.000412	1.26	143.84	100.32	0.25
Nanticoke Creek	Main-2	15280	350-year	90.1	197.12	199.84		199.88	0.000399	1.28	159.41	103.64	0.25
Nanticoke Creek	Main-2	15280	500-year	96.8	197.12	199.94		199.98	0.00039	1.3	169.5	105.18	0.25
Nanticoke Creek	Main-2	15280	1000-year	110.2	197.12	200.16		200.2	0.000353	1.3	193.15	108.06	0.24
Nanticoke Creek	Main-2	15280	Hazel	222.8	197.12	201.46		201.5	0.000279	1.47	345.89	122.76	0.23
Nanticoke Creek	Main-2	15200	25-year	45	196.76	199.06		199.09	0.000394	1.12	98.07	95.63	0.24
Nanticoke Creek	Main-2	15200	50-year	56.1	196.76	199.28		199.32	0.000365	1.15	120.06	98.43	0.23

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-2	15200	100-year	67.7	196.76	199.49		199.52	0.000353	1.2	140.48	103.99	0.23
Nanticoke Creek	Main-2	15200	200-year	79.9	196.76	199.67		199.71	0.000348	1.24	159.85	106.54	0.24
Nanticoke Creek	Main-2	15200	350-year	90.1	196.76	199.82		199.86	0.000338	1.27	176.41	108.43	0.23
Nanticoke Creek	Main-2	15200	500-year	96.8	196.76	199.92		199.96	0.000332	1.29	187.04	110.37	0.23
Nanticoke Creek	Main-2	15200	1000-year	110.2	196.76	200.15		200.18	0.000303	1.29	212.03	112.37	0.23
Nanticoke Creek	Main-2	15200	Hazel	222.8	196.76	201.45		201.49	0.000257	1.48	360.43	115.56	0.22
Nanticoke Creek	Main-2	15064	25-year	45	195.71	199.06		199.07	0.000099	0.64	139.42	177.68	0.12
Nanticoke Creek	Main-2	15064	50-year	56.1	195.71	199.29		199.3	0.000088	0.64	181.86	192.23	0.12
Nanticoke Creek	Main-2	15064	100-year	67.7	195.71	199.49		199.5	0.000081	0.64	222.28	203.56	0.11
Nanticoke Creek	Main-2	15064	200-year	79.9	195.71	199.68		199.69	0.000078	0.65	263.2	242.57	0.11
Nanticoke Creek	Main-2	15064	350-year	90.1	195.71	199.83		199.84	0.000072	0.64	303.52	267.31	0.11
Nanticoke Creek	Main-2	15064	500-year	96.8	195.71	199.93		199.94	0.000068	0.64	330.04	273.49	0.11
Nanticoke Creek	Main-2	15064	1000-year	110.2	195.71	200.16		200.16	0.000058	0.61	394.1	307.13	0.1
Nanticoke Creek	Main-2	15064	Hazel	222.8	195.71	201.47		201.47	0.000029	0.53	894.05	399.74	0.07
Nanticoke Creek	Main-2	15060	25-year	45	195.79	199.01	197.34	199.06	0.000277	1.06	62.74	189.14	0.2
Nanticoke Creek	Main-2	15060	50-year	56.1	195.79	199.23	197.53	199.28	0.000277	1.12	88.61	245.07	0.21
Nanticoke Creek	Main-2	15060	100-year	67.7	195.79	199.45	197.7	199.49	0.000248	1.11	123.89	289.08	0.2
Nanticoke Creek	Main-2	15060	200-year	79.9	195.79	199.64	197.89	199.68	0.000217	1.08	161.06	320.46	0.19
Nanticoke Creek	Main-2	15060	350-year	90.1	195.79	199.8	198.04	199.83	0.000187	1.03	194.81	327.62	0.17
Nanticoke Creek	Main-2	15060	500-year	96.8	195.79	199.9	198.12	199.93	0.00017	1.01	216.02	330.28	0.17
Nanticoke Creek	Main-2	15060	1000-year	110.2	195.79	200.14	198.29	200.16	0.000134	0.93	264.87	341.55	0.15
Nanticoke Creek	Main-2	15060	Hazel	222.8	195.79	201.47	199.52	201.47	0.000022	0.46	956.25	395.37	0.06
Nanticoke Creek	Main-2	15047		Bridge									
Nanticoke Creek	Main-2	15037	25-year	45	195.38	199.01	197.15	199.04	0.000221	0.88	63.9	73.15	0.18
Nanticoke Creek	Main-2	15037	50-year	56.1	195.38	199.23	197.36	199.26	0.000225	0.93	79.2	77.71	0.18
Nanticoke Creek	Main-2	15037	100-year	67.7	195.38	199.43	197.56	199.47	0.000227	0.98	94.12	82.06	0.18
Nanticoke Creek	Main-2	15037	200-year	79.9	195.38	199.62	197.73	199.67	0.000227	1.03	108.88	94.04	0.18
Nanticoke Creek	Main-2	15037	350-year	90.1	195.38	199.78	197.89	199.82	0.000225	1.06	120.88	106.89	0.18
Nanticoke Creek	Main-2	15037	500-year	96.8	195.38	199.88	198.03	199.92	0.000224	1.07	128.55	109.9	0.19
Nanticoke Creek	Main-2	15037	1000-year	110.2	195.38	200.1	198.17	200.14	0.000212	1.09	147.35	145.6	0.18
Nanticoke Creek	Main-2	15037	Hazel	222.8	195.38	201.46	199.2	201.47	0.000044	0.62	635.91	378.32	0.09
Nanticoke Creek	Main-2	15031	25-year	45	195.38	199.02		199.03	0.000094	0.61	93.85	87.05	0.12
Nanticoke Creek	Main-2	15031	50-year	56.1	195.38	199.24		199.25	0.000094	0.64	113.76	96.53	0.12
Nanticoke Creek	Main-2	15031	100-year	67.7	195.38	199.44		199.46	0.000093	0.67	134.9	108.79	0.12
Nanticoke Creek	Main-2	15031	200-year	79.9	195.38	199.64		199.65	0.000091	0.69	157.32	118.66	0.12
Nanticoke Creek	Main-2	15031	350-year	90.1	195.38	199.79		199.81	0.00009	0.7	176.28	125.89	0.12
Nanticoke Creek	Main-2	15031	500-year	96.8	195.38	199.89		199.91	0.000089	0.71	188.66	129.68	0.12
Nanticoke Creek	Main-2	15031	1000-year	110.2	195.38	200.11		200.13	0.000082	0.71	218.89	144.84	0.12
Nanticoke Creek	Main-2	15031	Hazel	222.8	195.38	201.46		201.47	0.000039	0.6	644.27	371.77	0.09
Nanticoke Creek	Main-2	14975	25-year	45	196.72	198.96		199.01	0.000458	1.12	55.14	47.39	0.25
Nanticoke Creek	Main-2	14975	50-year	56.1	196.72	199.18		199.23	0.000454	1.19	66.04	54.74	0.25
Nanticoke Creek	Main-2	14975	100-year	67.7	196.72	199.38		199.44	0.000449	1.25	78.91	69.47	0.25
Nanticoke Creek	Main-2	14975	200-year	79.9	196.72	199.58		199.63	0.000438	1.3	92.87	73.82	0.25
Nanticoke Creek	Main-2	14975	350-year	90.1	196.72	199.73		199.79	0.000427	1.33	104.62	79.94	0.25
Nanticoke Creek	Main-2	14975	500-year	96.8	196.72	199.83		199.89	0.000419	1.35	112.53	83.46	0.25
Nanticoke Creek	Main-2	14975	1000-year	110.2	196.72	200.05		200.11	0.000377	1.34	133.89	105.77	0.24
Nanticoke Creek	Main-2	14975	Hazel	222.8	196.72	201.44		201.46	0.000138	1.04	432.78	280.85	0.15
Nanticoke Creek	Main-2	14861	25-year	45	196.69	198.84		198.94	0.000798	1.51	39.93	33.75	0.33
Nanticoke Creek	Main-2	14861	50-year	56.1	196.69	199.05		199.16	0.000831	1.64	46.99	35.16	0.34
Nanticoke Creek	Main-2	14861	100-year	67.7	196.69	199.24		199.37	0.000858	1.76	53.83	36.53	0.36
Nanticoke Creek	Main-2	14861	200-year	79.9	196.69	199.42		199.56	0.000885	1.87	60.67	38.31	0.36
Nanticoke Creek	Main-2	14861	350-year	90.1	196.69	199.57		199.72	0.00091	1.97	66.3	42.38	0.37
Nanticoke Creek	Main-2	14861	500-year	96.8	196.69	199.66		199.81	0.000916	2.01	70.32	45.05	0.38
Nanticoke Creek	Main-2	14861	1000-year	110.2	196.69	199.89		200.04	0.000839	2.03	82.11	57.54	0.37
Nanticoke Creek	Main-2	14861	Hazel	222.8	196.69	201.34		201.43	0.00041	1.82	246.89	179.88	0.27
Nanticoke Creek	Main-2	14726	25-year	45	196.67	198.77		198.84	0.000627	1.26	54.8	48.54	0.29
Nanticoke Creek	Main-2	14726	50-year	56.1	196.67	198.98		199.05	0.000641	1.36	64.92	49.94	0.3

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-2	14726	100-year	67.7	196.67	199.17		199.25	0.000656	1.46	74.71	53.58	0.3
Nanticoke Creek	Main-2	14726	200-year	79.9	196.67	199.35		199.45	0.000667	1.55	85.17	60.63	0.31
Nanticoke Creek	Main-2	14726	350-year	90.1	196.67	199.5		199.6	0.000672	1.61	94.53	71.62	0.31
Nanticoke Creek	Main-2	14726	500-year	96.8	196.67	199.59		199.69	0.000672	1.65	101.68	81.16	0.32
Nanticoke Creek	Main-2	14726	1000-year	110.2	196.67	199.84		199.93	0.000599	1.65	126.15	118.52	0.3
Nanticoke Creek	Main-2	14726	Hazel	222.8	196.67	201.32		201.37	0.000289	1.49	380.61	198.96	0.22
Nanticoke Creek	Main-2	14610	25-year	45	196.67	198.67		198.76	0.000786	1.44	57.35	73.88	0.33
Nanticoke Creek	Main-2	14610	50-year	56.1	196.67	198.88		198.97	0.000765	1.52	73.54	80.96	0.33
Nanticoke Creek	Main-2	14610	100-year	67.7	196.67	199.08		199.17	0.000736	1.58	90.09	85.42	0.33
Nanticoke Creek	Main-2	14610	200-year	79.9	196.67	199.27		199.37	0.000715	1.64	106.67	90.29	0.33
Nanticoke Creek	Main-2	14610	350-year	90.1	196.67	199.41		199.52	0.000712	1.7	120.6	98.72	0.33
Nanticoke Creek	Main-2	14610	500-year	96.8	196.67	199.51		199.62	0.000705	1.73	130.19	103.54	0.33
Nanticoke Creek	Main-2	14610	1000-year	110.2	196.67	199.77		199.87	0.000588	1.68	160.61	124.85	0.31
Nanticoke Creek	Main-2	14610	Hazel	222.8	196.67	201.27		201.34	0.00034	1.67	379.03	164.89	0.25
Nanticoke Creek	Main-2	14515	25-year	45	196.41	198.61		198.71	0.000879	1.62	62.54	76.11	0.35
Nanticoke Creek	Main-2	14515	50-year	56.1	196.41	198.82		198.93	0.000868	1.71	79.59	84.93	0.35
Nanticoke Creek	Main-2	14515	100-year	67.7	196.41	199.02		199.13	0.000842	1.78	97.55	92.71	0.35
Nanticoke Creek	Main-2	14515	200-year	79.9	196.41	199.22		199.33	0.000805	1.83	116.35	97.52	0.35
Nanticoke Creek	Main-2	14515	350-year	90.1	196.41	199.37		199.48	0.000782	1.87	131.76	102.99	0.35
Nanticoke Creek	Main-2	14515	500-year	96.8	196.41	199.47		199.58	0.000764	1.89	142.01	107.77	0.35
Nanticoke Creek	Main-2	14515	1000-year	110.2	196.41	199.74		199.84	0.000666	1.86	176.21	151.4	0.33
Nanticoke Creek	Main-2	14515	Hazel	222.8	196.41	201.27		201.32	0.000301	1.61	462.75	211.9	0.23
Nanticoke Creek	Main-2	14514	25-year	45	196.4	198.62		198.67	0.000496	1.18	79.54	107.67	0.26
Nanticoke Creek	Main-2	14514	50-year	56.1	196.4	198.84		198.89	0.000459	1.21	104.15	116.13	0.25
Nanticoke Creek	Main-2	14514	100-year	67.7	196.4	199.04		199.09	0.000428	1.24	129.32	127.51	0.25
Nanticoke Creek	Main-2	14514	200-year	79.9	196.4	199.24		199.29	0.000403	1.26	155.39	136.44	0.24
Nanticoke Creek	Main-2	14514	350-year	90.1	196.4	199.39		199.44	0.000387	1.28	176.96	145.17	0.24
Nanticoke Creek	Main-2	14514	500-year	96.8	196.4	199.49		199.54	0.000375	1.29	191.53	150.59	0.24
Nanticoke Creek	Main-2	14514	1000-year	110.2	196.4	199.76		199.8	0.00031	1.24	233.57	163.08	0.22
Nanticoke Creek	Main-2	14514	Hazel	222.8	196.4	201.27		201.3	0.000174	1.2	515.52	204.96	0.17
Nanticoke Creek	Main-2	14401	25-year	45	196.36	198.56		198.62	0.00042	1.14	69.07	77.1	0.25
Nanticoke Creek	Main-2	14401	50-year	56.1	196.36	198.78		198.84	0.000424	1.22	86.08	82.94	0.25
Nanticoke Creek	Main-2	14401	100-year	67.7	196.36	198.98		199.04	0.000423	1.28	103.35	87.77	0.25
Nanticoke Creek	Main-2	14401	200-year	79.9	196.36	199.17		199.24	0.000422	1.35	121.02	93.7	0.26
Nanticoke Creek	Main-2	14401	350-year	90.1	196.36	199.32		199.39	0.000422	1.39	135.54	99.24	0.26
Nanticoke Creek	Main-2	14401	500-year	96.8	196.36	199.42		199.49	0.000418	1.42	145.43	102.33	0.26
Nanticoke Creek	Main-2	14401	1000-year	110.2	196.36	199.69		199.76	0.000364	1.4	175.32	115.77	0.25
Nanticoke Creek	Main-2	14401	Hazel	222.8	196.36	201.22		201.27	0.000247	1.49	397.66	187.35	0.22
Nanticoke Creek	Main-2	14316	25-year	45	196.36	198.53		198.58	0.000411	1.1	74.72	68.73	0.24
Nanticoke Creek	Main-2	14316	50-year	56.1	196.36	198.74		198.8	0.000422	1.18	89.7	72.9	0.25
Nanticoke Creek	Main-2	14316	100-year	67.7	196.36	198.94		199	0.000433	1.27	104.64	78.05	0.25
Nanticoke Creek	Main-2	14316	200-year	79.9	196.36	199.14		199.2	0.000453	1.36	120.4	86.13	0.26
Nanticoke Creek	Main-2	14316	350-year	90.1	196.36	199.29		199.35	0.000455	1.41	133.64	90.68	0.27
Nanticoke Creek	Main-2	14316	500-year	96.8	196.36	199.38		199.45	0.000454	1.44	142.67	95.55	0.27
Nanticoke Creek	Main-2	14316	1000-year	110.2	196.36	199.66		199.72	0.00041	1.45	172.98	118.87	0.26
Nanticoke Creek	Main-2	14316	Hazel	222.8	196.36	201.2		201.25	0.000246	1.46	386.17	157.97	0.21
Nanticoke Creek	Main-2	14180	25-year	45	196.24	198.49		198.53	0.000306	0.98	75.3	64.29	0.21
Nanticoke Creek	Main-2	14180	50-year	56.1	196.24	198.7		198.74	0.000318	1.06	89.12	67.02	0.22
Nanticoke Creek	Main-2	14180	100-year	67.7	196.24	198.9		198.95	0.000327	1.13	102.74	69.97	0.22
Nanticoke Creek	Main-2	14180	200-year	79.9	196.24	199.09		199.14	0.000333	1.2	116.37	72.18	0.23
Nanticoke Creek	Main-2	14180	350-year	90.1	196.24	199.24		199.3	0.000333	1.24	127.74	82.67	0.23
Nanticoke Creek	Main-2	14180	500-year	96.8	196.24	199.34		199.4	0.000331	1.26	136.99	105.54	0.23
Nanticoke Creek	Main-2	14180	1000-year	110.2	196.24	199.63		199.67	0.000282	1.24	172.69	143.55	0.22
Nanticoke Creek	Main-2	14180	Hazel	222.8	196.24	201.18		201.22	0.000161	1.21	427.45	182.46	0.17
Nanticoke Creek	Main-2	14095	25-year	45	196.21	198.46		198.5	0.000414	1.09	72.75	62.54	0.24
Nanticoke Creek	Main-2	14095	50-year	56.1	196.21	198.67		198.71	0.000428	1.18	86.43	71.27	0.25
Nanticoke Creek	Main-2	14095	100-year	67.7	196.21	198.86		198.92	0.000441	1.26	102.66	93.12	0.25
Nanticoke Creek	Main-2	14095	200-year	79.9	196.21	199.05		199.11	0.000458	1.35	122.07	112.61	0.26

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-2	14095	350-year	90.1	196.21	199.2		199.26	0.000468	1.42	139.92	123.76	0.27
Nanticoke Creek	Main-2	14095	500-year	96.8	196.21	199.3		199.36	0.000451	1.42	152.62	126.32	0.26
Nanticoke Creek	Main-2	14095	1000-year	110.2	196.21	199.6		199.65	0.00036	1.35	191.01	137.01	0.24
Nanticoke Creek	Main-2	14095	Hazel	222.8	196.21	201.17		201.2	0.000179	1.24	490.05	217.91	0.18
Nanticoke Creek	Main-2	14061	25-year	45	195.49	198.43		198.48	0.000353	1.11	60.75	74.58	0.23
Nanticoke Creek	Main-2	14061	50-year	56.1	195.49	198.64		198.7	0.000355	1.18	77.44	83.28	0.23
Nanticoke Creek	Main-2	14061	100-year	67.7	195.49	198.84		198.9	0.000353	1.23	95.46	95.64	0.23
Nanticoke Creek	Main-2	14061	200-year	79.9	195.49	199.04		199.1	0.000345	1.28	115.78	111.99	0.23
Nanticoke Creek	Main-2	14061	350-year	90.1	195.49	199.19		199.25	0.000333	1.3	133.76	121.46	0.23
Nanticoke Creek	Main-2	14061	500-year	96.8	195.49	199.29		199.35	0.000322	1.3	146.47	127.34	0.23
Nanticoke Creek	Main-2	14061	1000-year	110.2	195.49	199.59		199.64	0.000258	1.23	186.61	144.55	0.21
Nanticoke Creek	Main-2	14061	Hazel	222.8	195.49	201.17		201.2	0.000119	1.07	489.23	223.68	0.15
Nanticoke Creek	Main-2	14058	25-year	45	195.49	198.4	196.99	198.48	0.000478	1.29	41.75	72.57	0.26
Nanticoke Creek	Main-2	14058	50-year	56.1	195.49	198.59	197.17	198.69	0.000546	1.45	47.67	80.85	0.28
Nanticoke Creek	Main-2	14058	100-year	67.7	195.49	198.77	197.34	198.88	0.000604	1.59	53.38	88.57	0.3
Nanticoke Creek	Main-2	14058	200-year	79.9	195.49	198.94	197.51	199.07	0.000657	1.73	59	101.76	0.32
Nanticoke Creek	Main-2	14058	350-year	90.1	195.49	199.07	197.65	199.22	0.000695	1.83	63.46	109.4	0.33
Nanticoke Creek	Main-2	14058	500-year	96.8	195.49	199.16	197.74	199.32	0.000712	1.89	66.51	115.31	0.34
Nanticoke Creek	Main-2	14058	1000-year	110.2	195.49	199.45	197.96	199.6	0.000645	1.9	76.75	133.38	0.32
Nanticoke Creek	Main-2	14058	Hazel	222.8	195.49	201.17	199.01	201.19	0.000098	0.97	460.99	222.6	0.13
Nanticoke Creek	Main-2	14040		Bridge									
Nanticoke Creek	Main-2	14025	25-year	47.5	195.43	198.35	197.12	198.45	0.000659	1.45	41.85	69.87	0.3
Nanticoke Creek	Main-2	14025	50-year	59	195.43	198.53	197.3	198.65	0.000751	1.63	47.53	79.71	0.32
Nanticoke Creek	Main-2	14025	100-year	71	195.43	198.69	197.49	198.83	0.000838	1.79	52.81	85.26	0.35
Nanticoke Creek	Main-2	14025	200-year	83.6	195.43	198.84	197.67	199	0.000922	1.94	57.79	90.17	0.37
Nanticoke Creek	Main-2	14025	350-year	94.2	195.43	198.95	197.98	199.14	0.000988	2.07	61.69	92.73	0.38
Nanticoke Creek	Main-2	14025	500-year	101.2	195.43	199.03	198.07	199.22	0.001022	2.14	64.31	94.36	0.39
Nanticoke Creek	Main-2	14025	1000-year	115	195.43	199.3	198.22	199.49	0.000925	2.15	73.79	104.17	0.38
Nanticoke Creek	Main-2	14025	Hazel	218.5	195.43	200.09	199.01	200.43	0.001343	2.99	104.08	143.38	0.47
Nanticoke Creek	Main-2	14020	25-year	47.5	195.43	198.36		198.44	0.000555	1.35	52.24	63.88	0.28
Nanticoke Creek	Main-2	14020	50-year	59	195.43	198.54		198.63	0.000568	1.44	64.35	67.19	0.29
Nanticoke Creek	Main-2	14020	100-year	71	195.43	198.71		198.8	0.000567	1.5	76	69.86	0.29
Nanticoke Creek	Main-2	14020	200-year	83.6	195.43	198.87		198.96	0.000563	1.55	87.41	72.22	0.29
Nanticoke Creek	Main-2	14020	350-year	94.2	195.43	199		199.09	0.000561	1.59	96.57	75.15	0.29
Nanticoke Creek	Main-2	14020	500-year	101.2	195.43	199.08		199.17	0.000554	1.61	102.83	76.73	0.29
Nanticoke Creek	Main-2	14020	1000-year	115	195.43	199.36		199.43	0.000438	1.52	124.92	83.61	0.26
Nanticoke Creek	Main-2	14020	Hazel	218.5	195.43	200.21		200.3	0.000455	1.8	205.95	109.38	0.28
Nanticoke Creek	Main-2	13831	25-year	47.5	196.17	198.31		198.34	0.000372	0.98	90.23	94.79	0.22
Nanticoke Creek	Main-2	13831	50-year	59	196.17	198.49		198.53	0.000376	1.05	107.82	96.13	0.23
Nanticoke Creek	Main-2	13831	100-year	71	196.17	198.66		198.7	0.000383	1.11	124.13	97.11	0.23
Nanticoke Creek	Main-2	13831	200-year	83.6	196.17	198.82		198.87	0.000392	1.18	139.6	97.99	0.24
Nanticoke Creek	Main-2	13831	350-year	94.2	196.17	198.94		198.99	0.000399	1.23	151.66	98.66	0.24
Nanticoke Creek	Main-2	13831	500-year	101.2	196.17	199.02		199.08	0.000401	1.26	159.81	99.54	0.25
Nanticoke Creek	Main-2	13831	1000-year	115	196.17	199.31		199.36	0.000331	1.22	189.15	104.38	0.23
Nanticoke Creek	Main-2	13831	Hazel	218.5	196.17	200.15		200.22	0.000411	1.61	281.59	117.27	0.26
Nanticoke Creek	Main-2	13735	25-year	47.5	196.16	198.27		198.31	0.00029	0.92	63.05	46.62	0.2
Nanticoke Creek	Main-2	13735	50-year	59	196.16	198.44		198.5	0.000338	1.05	72.09	56.38	0.22
Nanticoke Creek	Main-2	13735	100-year	71	196.16	198.6		198.66	0.000378	1.16	82.44	80.3	0.24
Nanticoke Creek	Main-2	13735	200-year	83.6	196.16	198.75		198.82	0.000414	1.27	95.92	94.42	0.25
Nanticoke Creek	Main-2	13735	350-year	94.2	196.16	198.87		198.95	0.000436	1.34	107.15	97.79	0.26
Nanticoke Creek	Main-2	13735	500-year	101.2	196.16	198.94		199.03	0.00045	1.39	114.78	99.32	0.27
Nanticoke Creek	Main-2	13735	1000-year	115	196.16	199.24		199.32	0.000371	1.35	146.93	112.7	0.25
Nanticoke Creek	Main-2	13735	Hazel	218.5	196.16	200.06		200.18	0.000461	1.76	250.23	144.11	0.29
Nanticoke Creek	Main-2	13628	25-year	47.5	196.16	198.24		198.29	0.000425	1.1	85.53	108.5	0.25
Nanticoke Creek	Main-2	13628	50-year	59	196.16	198.42		198.47	0.000436	1.18	107.26	136.79	0.25
Nanticoke Creek	Main-2	13628	100-year	71	196.16	198.58		198.63	0.000429	1.23	131.07	153.57	0.25
Nanticoke Creek	Main-2	13628	200-year	83.6	196.16	198.74		198.79	0.00042	1.27	156.58	175.42	0.25

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-2	13628	350-year	94.2	196.16	198.86		198.91	0.000411	1.29	178.9	192.73	0.25
Nanticoke Creek	Main-2	13628	500-year	101.2	196.16	198.94		198.99	0.000401	1.3	194.98	207.19	0.25
Nanticoke Creek	Main-2	13628	1000-year	115	196.16	199.25		199.28	0.000284	1.18	262.44	228.29	0.21
Nanticoke Creek	Main-2	13628	Hazel	218.5	196.16	200.09		200.13	0.000267	1.34	470.68	260.42	0.22
Nanticoke Creek	Main-2	13627	25-year	47.5	196.16	198.17		198.26	0.000787	1.47	62.95	85.16	0.33
Nanticoke Creek	Main-2	13627	50-year	59	196.16	198.34		198.44	0.000804	1.57	78.41	92.31	0.34
Nanticoke Creek	Main-2	13627	100-year	71	196.16	198.5		198.6	0.000818	1.66	93.54	98.79	0.35
Nanticoke Creek	Main-2	13627	200-year	83.6	196.16	198.65		198.76	0.000821	1.73	108.8	103.24	0.35
Nanticoke Creek	Main-2	13627	350-year	94.2	196.16	198.77		198.88	0.000822	1.79	121.28	106.99	0.35
Nanticoke Creek	Main-2	13627	500-year	101.2	196.16	198.85		198.96	0.00081	1.81	129.99	108.87	0.35
Nanticoke Creek	Main-2	13627	1000-year	115	196.16	199.18		199.26	0.000585	1.66	167.04	118.11	0.31
Nanticoke Creek	Main-2	13627	Hazel	218.5	196.16	200		200.11	0.000625	2.02	277.91	142.66	0.33
Nanticoke Creek	Main-2	13500	25-year	47.5	196.16	198.13		198.18	0.000428	1.05	69.4	92.75	0.24
Nanticoke Creek	Main-2	13500	50-year	59	196.16	198.31		198.35	0.000417	1.1	86.17	96.23	0.24
Nanticoke Creek	Main-2	13500	100-year	71	196.16	198.47		198.52	0.000411	1.15	102.27	101.83	0.24
Nanticoke Creek	Main-2	13500	200-year	83.6	196.16	198.62		198.67	0.000405	1.19	118.04	104.62	0.25
Nanticoke Creek	Main-2	13500	350-year	94.2	196.16	198.74		198.79	0.000401	1.23	130.89	108.21	0.25
Nanticoke Creek	Main-2	13500	500-year	101.2	196.16	198.82		198.88	0.000393	1.24	139.85	110.02	0.24
Nanticoke Creek	Main-2	13500	1000-year	115	196.16	199.16		199.2	0.000276	1.13	178.2	117.53	0.21
Nanticoke Creek	Main-2	13500	Hazel	218.5	196.16	199.98		200.04	0.000306	1.4	281.62	137.39	0.23
Nanticoke Creek	Main-2	13400	25-year	47.5	196.16	198.08		198.13	0.000439	1.05	60.07	57.68	0.24
Nanticoke Creek	Main-2	13400	50-year	59	196.16	198.25		198.31	0.000474	1.15	70.03	61.98	0.26
Nanticoke Creek	Main-2	13400	100-year	71	196.16	198.4		198.47	0.000511	1.26	80.51	75.64	0.27
Nanticoke Creek	Main-2	13400	200-year	83.6	196.16	198.55		198.62	0.00054	1.35	91.95	82.97	0.28
Nanticoke Creek	Main-2	13400	350-year	94.2	196.16	198.66		198.74	0.000554	1.41	101.63	84.61	0.29
Nanticoke Creek	Main-2	13400	500-year	101.2	196.16	198.74		198.83	0.000556	1.44	108.43	86.21	0.29
Nanticoke Creek	Main-2	13400	1000-year	115	196.16	199.1		199.17	0.000398	1.33	140.29	91.6	0.25
Nanticoke Creek	Main-2	13400	Hazel	218.5	196.16	199.9		200	0.000484	1.73	233	139.71	0.29
Nanticoke Creek	Main-2	13300	25-year	47.5	196.15	198.03		198.08	0.00052	1.13	59.7	67.53	0.27
Nanticoke Creek	Main-2	13300	50-year	59	196.15	198.2		198.26	0.000526	1.21	71.85	76.11	0.27
Nanticoke Creek	Main-2	13300	100-year	71	196.15	198.36		198.41	0.000532	1.27	83.98	81.81	0.28
Nanticoke Creek	Main-2	13300	200-year	83.6	196.15	198.5		198.56	0.000537	1.34	96.53	91.15	0.28
Nanticoke Creek	Main-2	13300	350-year	94.2	196.15	198.62		198.68	0.000533	1.38	107.54	95.55	0.28
Nanticoke Creek	Main-2	13300	500-year	101.2	196.15	198.7		198.76	0.000522	1.39	115.55	99.68	0.28
Nanticoke Creek	Main-2	13300	1000-year	115	196.15	199.08		199.12	0.000334	1.22	157.19	117.29	0.23
Nanticoke Creek	Main-2	13300	Hazel	218.5	196.15	199.89		199.94	0.000344	1.46	261.01	144.32	0.24
Nanticoke Creek	Main-2	13180	25-year	47.5	196.15	197.95		198.01	0.000625	1.17	49.35	57.75	0.29
Nanticoke Creek	Main-2	13180	50-year	59	196.15	198.11		198.18	0.000645	1.27	59.65	67.64	0.29
Nanticoke Creek	Main-2	13180	100-year	71	196.15	198.26		198.34	0.000654	1.34	70.73	76.81	0.3
Nanticoke Creek	Main-2	13180	200-year	83.6	196.15	198.41		198.49	0.00062	1.37	83.08	86.33	0.3
Nanticoke Creek	Main-2	13180	350-year	94.2	196.15	198.54		198.61	0.00059	1.39	94.4	98.13	0.29
Nanticoke Creek	Main-2	13180	500-year	101.2	196.15	198.62		198.7	0.000577	1.41	102.73	105.43	0.29
Nanticoke Creek	Main-2	13180	1000-year	115	196.15	199.04		199.09	0.000286	1.1	149.95	117.82	0.21
Nanticoke Creek	Main-2	13180	Hazel	218.5	196.15	199.86		199.9	0.000238	1.19	273.59	176.15	0.2
Nanticoke Creek	Main-2	13177	25-year	47.5	195.06	197.96	196.17	198	0.000253	0.88	56.84	28.37	0.18
Nanticoke Creek	Main-2	13177	50-year	59	195.06	198.12	196.33	198.17	0.000316	1.02	61.07	32	0.2
Nanticoke Creek	Main-2	13177	100-year	71	195.06	198.26	196.46	198.33	0.000379	1.16	64.99	50.32	0.22
Nanticoke Creek	Main-2	13177	200-year	83.6	195.06	198.4	196.6	198.49	0.000443	1.3	68.83	74.37	0.24
Nanticoke Creek	Main-2	13177	350-year	94.2	195.06	198.51	196.7	198.61	0.000496	1.41	71.87	89.82	0.26
Nanticoke Creek	Main-2	13177	500-year	101.2	195.06	198.58	196.76	198.69	0.00053	1.48	73.78	96.6	0.27
Nanticoke Creek	Main-2	13177	1000-year	115	195.06	198.96	196.89	199.06	0.00045	1.47	85.15	116.66	0.25
Nanticoke Creek	Main-2	13177	Hazel	218.5	195.06	199.85	197.69	199.9	0.000234	1.24	258.68	165.4	0.19
Nanticoke Creek	Main-2	13166		Bridge									
Nanticoke Creek	Main-2	13157	25-year	47.5	194.95	197.93	196.35	197.98	0.000283	0.95	51.74	32.51	0.2
Nanticoke Creek	Main-2	13157	50-year	59	194.95	198.09	196.51	198.15	0.000348	1.1	55.9	44.7	0.22
Nanticoke Creek	Main-2	13157	100-year	71	194.95	198.22	196.65	198.3	0.000413	1.24	59.68	55.03	0.25
Nanticoke Creek	Main-2	13157	200-year	83.6	194.95	198.35	196.78	198.44	0.000481	1.38	63.25	80.63	0.27

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-2	13157	350-year	94.2	194.95	198.44	196.88	198.55	0.000537	1.5	65.95	95.9	0.28
Nanticoke Creek	Main-2	13157	500-year	101.2	194.95	198.5	196.96	198.62	0.000576	1.57	67.6	99.36	0.3
Nanticoke Creek	Main-2	13157	1000-year	115	194.95	198.6	197.09	198.74	0.000652	1.71	70.59	106.9	0.32
Nanticoke Creek	Main-2	13157	Hazel	218.5	194.95	199.35	197.89	199.44	0.00042	1.59	192.3	140.27	0.26
Nanticoke Creek	Main-2	13152	25-year	47.5	194.95	197.93		197.98	0.000257	0.94	53.98	50.95	0.19
Nanticoke Creek	Main-2	13152	50-year	59	194.95	198.09		198.14	0.000307	1.07	66.27	99.47	0.21
Nanticoke Creek	Main-2	13152	100-year	71	194.95	198.23		198.29	0.000331	1.15	80.51	103.62	0.22
Nanticoke Creek	Main-2	13152	200-year	83.6	194.95	198.36		198.42	0.000343	1.21	94.66	108.11	0.23
Nanticoke Creek	Main-2	13152	350-year	94.2	194.95	198.46		198.53	0.000349	1.25	105.9	113.56	0.23
Nanticoke Creek	Main-2	13152	500-year	101.2	194.95	198.52		198.59	0.000353	1.27	112.96	114.81	0.24
Nanticoke Creek	Main-2	13152	1000-year	115	194.95	198.64		198.7	0.000359	1.32	126.17	118.58	0.24
Nanticoke Creek	Main-2	13152	Hazel	218.5	194.95	199.36		199.43	0.000342	1.48	219.71	140.63	0.24
Nanticoke Creek	Main-2	13085	25-year	47.5	196.15	197.88		197.95	0.00064	1.19	59.48	79.5	0.29
Nanticoke Creek	Main-2	13085	50-year	59	196.15	198.04		198.11	0.000684	1.31	71.87	84.08	0.31
Nanticoke Creek	Main-2	13085	100-year	71	196.15	198.17		198.26	0.000735	1.42	83.32	88.32	0.32
Nanticoke Creek	Main-2	13085	200-year	83.6	196.15	198.29		198.39	0.00078	1.52	94.5	91.28	0.33
Nanticoke Creek	Main-2	13085	350-year	94.2	196.15	198.38		198.49	0.000823	1.61	102.98	93.85	0.35
Nanticoke Creek	Main-2	13085	500-year	101.2	196.15	198.44		198.55	0.000849	1.66	108.29	95.29	0.35
Nanticoke Creek	Main-2	13085	1000-year	115	196.15	198.54		198.67	0.000906	1.77	118.05	97.72	0.37
Nanticoke Creek	Main-2	13085	Hazel	218.5	196.15	199.19		199.38	0.00114	2.33	188.1	118.39	0.43
Nanticoke Creek	Main-2	12995	25-year	47.5	196.14	197.86		197.9	0.000393	0.91	61.21	63.64	0.23
Nanticoke Creek	Main-2	12995	50-year	59	196.14	198.01		198.06	0.000436	1.02	71.11	69.17	0.24
Nanticoke Creek	Main-2	12995	100-year	71	196.14	198.14		198.19	0.000482	1.12	80.32	73.16	0.26
Nanticoke Creek	Main-2	12995	200-year	83.6	196.14	198.26		198.33	0.000525	1.22	89.38	75.78	0.27
Nanticoke Creek	Main-2	12995	350-year	94.2	196.14	198.35		198.42	0.000565	1.3	96.18	78.31	0.28
Nanticoke Creek	Main-2	12995	500-year	101.2	196.14	198.4		198.48	0.00059	1.35	100.44	79.32	0.29
Nanticoke Creek	Main-2	12995	1000-year	115	196.14	198.5		198.59	0.000641	1.45	108.2	80.98	0.31
Nanticoke Creek	Main-2	12995	Hazel	218.5	196.14	199.12		199.29	0.000877	1.99	165.09	104.67	0.37
Nanticoke Creek	Main-2	12864	25-year	47.5	196.14	197.84		197.86	0.000188	0.64	85.79	70	0.16
Nanticoke Creek	Main-2	12864	50-year	59	196.14	197.98		198.01	0.000214	0.72	96.23	72.01	0.17
Nanticoke Creek	Main-2	12864	100-year	71	196.14	198.11		198.14	0.000242	0.8	105.5	73.65	0.18
Nanticoke Creek	Main-2	12864	200-year	83.6	196.14	198.23		198.27	0.00027	0.88	114.37	75.14	0.2
Nanticoke Creek	Main-2	12864	350-year	94.2	196.14	198.32		198.36	0.000295	0.95	120.91	76.11	0.21
Nanticoke Creek	Main-2	12864	500-year	101.2	196.14	198.37		198.42	0.000312	0.99	124.93	77.37	0.21
Nanticoke Creek	Main-2	12864	1000-year	115	196.14	198.46		198.52	0.000347	1.08	132.56	90.01	0.23
Nanticoke Creek	Main-2	12864	Hazel	218.5	196.14	199.08		199.18	0.000496	1.51	223.3	194.84	0.28
Nanticoke Creek	Main-2	12719	25-year	47.5	196.14	197.74		197.81	0.000769	1.18	51.31	86.48	0.31
Nanticoke Creek	Main-2	12719	50-year	59	196.14	197.88		197.95	0.000794	1.27	63.8	92.9	0.32
Nanticoke Creek	Main-2	12719	100-year	71	196.14	198		198.08	0.000824	1.35	76.57	121.2	0.33
Nanticoke Creek	Main-2	12719	200-year	83.6	196.14	198.12		198.2	0.000848	1.43	91.68	138.14	0.33
Nanticoke Creek	Main-2	12719	350-year	94.2	196.14	198.2		198.29	0.000859	1.48	103.72	142.77	0.34
Nanticoke Creek	Main-2	12719	500-year	101.2	196.14	198.25		198.35	0.000869	1.52	111.25	149.01	0.34
Nanticoke Creek	Main-2	12719	1000-year	115	196.14	198.34		198.44	0.000919	1.61	124.95	160.7	0.35
Nanticoke Creek	Main-2	12719	Hazel	218.5	196.14	199.01		199.11	0.000804	1.81	272.71	276.51	0.35
Nanticoke Creek	Main-2	12560	25-year	47.5	196.14	197.6		197.67	0.00095	1.26	45.99	71.01	0.34
Nanticoke Creek	Main-2	12560	50-year	59	196.14	197.73		197.82	0.000982	1.36	56.8	82.48	0.35
Nanticoke Creek	Main-2	12560	100-year	71	196.14	197.86		197.95	0.000992	1.44	66.99	84.8	0.36
Nanticoke Creek	Main-2	12560	200-year	83.6	196.14	197.97		198.07	0.001	1.51	76.93	88.05	0.36
Nanticoke Creek	Main-2	12560	350-year	94.2	196.14	198.05		198.16	0.001034	1.59	84.11	90.54	0.37
Nanticoke Creek	Main-2	12560	500-year	101.2	196.14	198.1		198.21	0.001054	1.63	88.53	91.07	0.38
Nanticoke Creek	Main-2	12560	1000-year	115	196.14	198.18		198.3	0.00113	1.73	95.68	93.52	0.39
Nanticoke Creek	Main-2	12560	Hazel	218.5	196.14	198.84		198.98	0.001062	2.04	194.65	227.39	0.4
Nanticoke Creek	Main-2	12375	25-year	47.5	196.09	197.18	196.93	197.37	0.003456	1.97	28.62	64.91	0.62
Nanticoke Creek	Main-2	12375	50-year	59	196.09	197.25	197.1	197.49	0.004015	2.23	34.04	77.05	0.68
Nanticoke Creek	Main-2	12375	100-year	71	196.09	197.32	197.25	197.6	0.004519	2.46	39.56	84.85	0.72
Nanticoke Creek	Main-2	12375	200-year	83.6	196.09	197.38	197.37	197.71	0.004953	2.67	45.46	94.33	0.77
Nanticoke Creek	Main-2	12375	350-year	94.2	196.09	197.45	197.43	197.79	0.005055	2.79	51.43	97.24	0.78
Nanticoke Creek	Main-2	12375	500-year	101.2	196.09	197.5	197.49	197.84	0.004926	2.82	56.33	100.35	0.77

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-2	12375	1000-year	115	196.09	197.6	197.56	197.93	0.004474	2.83	67	102.42	0.75
Nanticoke Creek	Main-2	12375	Hazel	218.5	196.09	198.61		198.78	0.001461	2.3	185.98	146.95	0.47
Nanticoke Creek	Main-2	12235	25-year	47.5	195.64	197.06	196.59	197.11	0.00081	1.17	83.92	206.31	0.32
Nanticoke Creek	Main-2	12235	50-year	59	195.64	197.15	196.8	197.2	0.000826	1.23	103.22	217.51	0.32
Nanticoke Creek	Main-2	12235	100-year	71	195.64	197.23	196.85	197.28	0.000885	1.31	119.68	227.03	0.34
Nanticoke Creek	Main-2	12235	200-year	83.6	195.64	197.33	196.99	197.38	0.000819	1.32	142.78	230.97	0.33
Nanticoke Creek	Main-2	12235	350-year	94.2	195.64	197.42	197.03	197.46	0.000742	1.3	164.2	235.12	0.31
Nanticoke Creek	Main-2	12235	500-year	101.2	195.64	197.48	197.01	197.52	0.000693	1.29	179.1	239.67	0.31
Nanticoke Creek	Main-2	12235	1000-year	115	195.64	197.61	197.1	197.65	0.0006	1.25	209.49	245.06	0.29
Nanticoke Creek	Main-2	12235	Hazel	218.5	195.64	198.65	197.37	198.66	0.000217	1	477.8	268.89	0.19
Nanticoke Creek	Main-2	12122	25-year	47.5	195.49	196.7	196.7	196.91	0.004126	2.22	35.19	112	0.68
Nanticoke Creek	Main-2	12122	50-year	59	195.49	196.82	196.78	197	0.003563	2.22	52.29	173.02	0.64
Nanticoke Creek	Main-2	12122	100-year	71	195.49	197		197.11	0.002102	1.87	86.74	193.95	0.5
Nanticoke Creek	Main-2	12122	200-year	83.6	195.49	197.16		197.24	0.001436	1.66	118.51	197.14	0.42
Nanticoke Creek	Main-2	12122	350-year	94.2	195.49	197.29		197.35	0.001144	1.56	142.73	198.61	0.38
Nanticoke Creek	Main-2	12122	500-year	101.2	195.49	197.36		197.42	0.001016	1.51	157.96	200.36	0.36
Nanticoke Creek	Main-2	12122	1000-year	115	195.49	197.51		197.56	0.000832	1.44	187.19	202.88	0.33
Nanticoke Creek	Main-2	12122	Hazel	218.5	195.49	198.61		198.63	0.000293	1.16	416.24	213.13	0.21
Nanticoke Creek	Main-2	11761	25-year	47.5	195.2	196.78		196.78	0.000017	0.18	307.75	380.05	0.05
Nanticoke Creek	Main-2	11761	50-year	59	195.2	196.93		196.93	0.000017	0.19	362.9	393.98	0.05
Nanticoke Creek	Main-2	11761	100-year	71	195.2	197.06		197.06	0.000017	0.2	418.17	405.81	0.05
Nanticoke Creek	Main-2	11761	200-year	83.6	195.2	197.2		197.2	0.000016	0.21	474.62	410.83	0.05
Nanticoke Creek	Main-2	11761	350-year	94.2	195.2	197.32		197.32	0.000016	0.21	521.72	415.41	0.05
Nanticoke Creek	Main-2	11761	500-year	101.2	195.2	197.39		197.39	0.000016	0.22	552.05	417.91	0.05
Nanticoke Creek	Main-2	11761	1000-year	115	195.2	197.53		197.53	0.000015	0.22	611	423.07	0.05
Nanticoke Creek	Main-2	11761	Hazel	218.5	195.2	198.62		198.62	0.000009	0.23	1114.41	501.35	0.04
Nanticoke Creek	Main-2	11758	25-year	47.5	194.7	196.74	195.51	196.77	0.000246	0.79	63.14	285.58	0.18
Nanticoke Creek	Main-2	11758	50-year	59	194.7	196.87	195.61	196.91	0.000298	0.91	68.74	300.5	0.21
Nanticoke Creek	Main-2	11758	100-year	71	194.7	197	195.71	197.05	0.000346	1.02	74.1	308.46	0.22
Nanticoke Creek	Main-2	11758	200-year	83.6	194.7	197.12	195.8	197.18	0.00039	1.12	79.47	340.73	0.24
Nanticoke Creek	Main-2	11758	350-year	94.2	194.7	197.23	195.88	197.3	0.000421	1.2	83.9	351.77	0.25
Nanticoke Creek	Main-2	11758	500-year	101.2	194.7	197.29	195.92	197.37	0.00044	1.25	86.72	363.62	0.26
Nanticoke Creek	Main-2	11758	1000-year	115	194.7	197.42	196.02	197.5	0.000473	1.34	92.14	384.3	0.27
Nanticoke Creek	Main-2	11758	Hazel	218.5	194.7	198.61	196.63	198.62	0.000014	0.3	839.17	486.45	0.05
Nanticoke Creek	Main-2	11731		Bridge									
Nanticoke Creek	Main-2	11718	25-year	47.5	194.66	196.65	195.68	196.74	0.00069	1.3	39.32	110.52	0.3
Nanticoke Creek	Main-2	11718	50-year	59	194.66	196.75	195.82	196.86	0.000881	1.52	42.08	116.85	0.35
Nanticoke Creek	Main-2	11718	100-year	71	194.66	196.84	195.97	196.99	0.001081	1.74	44.63	122.92	0.39
Nanticoke Creek	Main-2	11718	200-year	83.6	194.66	196.93	196.1	197.11	0.001292	1.95	47.02	132.76	0.43
Nanticoke Creek	Main-2	11718	350-year	94.2	194.66	196.99	196.21	197.2	0.001469	2.12	48.87	142.73	0.46
Nanticoke Creek	Main-2	11718	500-year	101.2	194.66	197.03	196.28	197.27	0.001585	2.23	50.02	145.41	0.48
Nanticoke Creek	Main-2	11718	1000-year	115	194.66	197.11	196.41	197.39	0.001815	2.44	52.15	149.41	0.51
Nanticoke Creek	Main-2	11718	Hazel	218.5	194.66	197.53	197.16	198.2	0.003515	3.8	64.72	188.29	0.73
Nanticoke Creek	Main-2	11713	25-year	47.5	195.13	196.67		196.71	0.000761	1.17	85.36	216.95	0.31
Nanticoke Creek	Main-2	11713	50-year	59	195.13	196.79		196.82	0.00066	1.15	111.26	228.15	0.29
Nanticoke Creek	Main-2	11713	100-year	71	195.13	196.89		196.93	0.000588	1.13	136.78	240.13	0.28
Nanticoke Creek	Main-2	11713	200-year	83.6	195.13	197		197.03	0.000534	1.12	162.24	249.22	0.27
Nanticoke Creek	Main-2	11713	350-year	94.2	195.13	197.08		197.11	0.0005	1.12	182.63	251.52	0.26
Nanticoke Creek	Main-2	11713	500-year	101.2	195.13	197.13		197.16	0.000481	1.12	195.68	253.34	0.26
Nanticoke Creek	Main-2	11713	1000-year	115	195.13	197.23		197.25	0.00045	1.12	220.3	254.61	0.25
Nanticoke Creek	Main-2	11713	Hazel	218.5	195.13	197.85		197.87	0.000326	1.13	397.88	327.81	0.22
Nanticoke Creek	Main-2	11619	25-year	47.5	194.96	196.46		196.56	0.001863	1.73	57.24	153.09	0.47
Nanticoke Creek	Main-2	11619	50-year	59	194.96	196.56		196.68	0.002001	1.88	66.38	154.44	0.5
Nanticoke Creek	Main-2	11619	100-year	71	194.96	196.66		196.79	0.002124	2.03	74.96	155.54	0.52
Nanticoke Creek	Main-2	11619	200-year	83.6	194.96	196.75		196.89	0.002235	2.16	83.2	156.41	0.53
Nanticoke Creek	Main-2	11619	350-year	94.2	194.96	196.82		196.98	0.002319	2.26	89.67	157.13	0.55
Nanticoke Creek	Main-2	11619	500-year	101.2	194.96	196.87		197.03	0.002367	2.33	93.79	157.64	0.56

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-2	11619	1000-year	115	194.96	196.96		197.13	0.00246	2.45	101.47	158.59	0.57
Nanticoke Creek	Main-2	11619	Hazel	218.5	194.96	197.51		197.76	0.002774	3.09	152.33	163.28	0.63
Nanticoke Creek	Main-2	11513	25-year	47.5	194.67	196.32		196.4	0.001256	1.59	74.65	195.52	0.4
Nanticoke Creek	Main-2	11513	50-year	59	194.67	196.42		196.51	0.001313	1.69	89.76	196.85	0.41
Nanticoke Creek	Main-2	11513	100-year	71	194.67	196.52		196.61	0.001352	1.78	104.21	198.43	0.42
Nanticoke Creek	Main-2	11513	200-year	83.6	194.67	196.61		196.71	0.001381	1.86	118.31	199.9	0.43
Nanticoke Creek	Main-2	11513	350-year	94.2	194.67	196.69		196.79	0.00139	1.92	129.64	200.64	0.44
Nanticoke Creek	Main-2	11513	500-year	101.2	194.67	196.73		196.83	0.001393	1.95	136.91	201.09	0.44
Nanticoke Creek	Main-2	11513	1000-year	115	194.67	196.82		196.93	0.001404	2.02	150.4	202.02	0.44
Nanticoke Creek	Main-2	11513	Hazel	218.5	194.67	197.42		197.54	0.001328	2.32	241.76	207.15	0.45
Nanticoke Creek	Main-2	11448	25-year	47.5	194.52	196.21		196.31	0.001451	1.77	74.06	230.93	0.44
Nanticoke Creek	Main-2	11448	50-year	59	194.52	196.31		196.41	0.001519	1.89	88.66	233.9	0.45
Nanticoke Creek	Main-2	11448	100-year	71	194.52	196.4		196.51	0.001533	1.96	103.43	235.28	0.46
Nanticoke Creek	Main-2	11448	200-year	83.6	194.52	196.5		196.61	0.001544	2.04	117.74	237.29	0.47
Nanticoke Creek	Main-2	11448	350-year	94.2	194.52	196.57		196.68	0.001542	2.09	129.36	238.9	0.47
Nanticoke Creek	Main-2	11448	500-year	101.2	194.52	196.62		196.73	0.001534	2.12	136.9	239.98	0.47
Nanticoke Creek	Main-2	11448	1000-year	115	194.52	196.71		196.82	0.001529	2.17	150.83	241.05	0.47
Nanticoke Creek	Main-2	11448	Hazel	218.5	194.52	197.33		197.44	0.001365	2.43	246.73	248.63	0.46
Nanticoke Creek	Main-2	11375	25-year	47.5	194.4	196.13		196.23	0.001191	1.62	71.1	197.31	0.4
Nanticoke Creek	Main-2	11375	50-year	59	194.4	196.21		196.32	0.001322	1.77	84.51	198.82	0.42
Nanticoke Creek	Main-2	11375	100-year	71	194.4	196.3		196.42	0.001392	1.87	98.37	200.38	0.44
Nanticoke Creek	Main-2	11375	200-year	83.6	194.4	196.4		196.52	0.00141	1.95	113.05	201.53	0.44
Nanticoke Creek	Main-2	11375	350-year	94.2	194.4	196.48		196.6	0.001407	2	125.12	202.9	0.45
Nanticoke Creek	Main-2	11375	500-year	101.2	194.4	196.53		196.65	0.001404	2.03	132.9	204.21	0.45
Nanticoke Creek	Main-2	11375	1000-year	115	194.4	196.62		196.74	0.001391	2.08	147.79	206.25	0.45
Nanticoke Creek	Main-2	11375	Hazel	218.5	194.4	197.26		197.38	0.001232	2.32	248.36	216.42	0.44
Nanticoke Creek	Main-2	11069	25-year	47.5	194.38	196		196.04	0.00082	1.31	139.39	334.94	0.33
Nanticoke Creek	Main-2	11069	50-year	59	194.38	196.12		196.15	0.000686	1.25	178.56	340.31	0.3
Nanticoke Creek	Main-2	11069	100-year	71	194.38	196.23		196.25	0.000599	1.22	217.01	350.8	0.29
Nanticoke Creek	Main-2	11069	200-year	83.6	194.38	196.34		196.36	0.000529	1.19	256.67	359.15	0.27
Nanticoke Creek	Main-2	11069	350-year	94.2	194.38	196.43		196.45	0.000483	1.17	288.53	361.58	0.26
Nanticoke Creek	Main-2	11069	500-year	101.2	194.38	196.48		196.5	0.000458	1.16	308.7	362.77	0.26
Nanticoke Creek	Main-2	11069	1000-year	115	194.38	196.59		196.61	0.00042	1.15	346.93	365.18	0.25
Nanticoke Creek	Main-2	11069	Hazel	218.5	194.38	197.25		197.27	0.000297	1.15	596.35	382.11	0.22
Nanticoke Creek	Main-2	11068	25-year	47.5	194.35	195.99		196	0.000136	0.53	191.45	420.7	0.13
Nanticoke Creek	Main-2	11068	50-year	59	194.35	196.1		196.11	0.000147	0.58	224.29	421.53	0.14
Nanticoke Creek	Main-2	11068	100-year	71	194.35	196.21		196.22	0.000155	0.62	256.6	422.25	0.15
Nanticoke Creek	Main-2	11068	200-year	83.6	194.35	196.32		196.33	0.000159	0.65	289.54	422.89	0.15
Nanticoke Creek	Main-2	11068	350-year	94.2	194.35	196.41		196.42	0.000161	0.67	315.75	423.56	0.15
Nanticoke Creek	Main-2	11068	500-year	101.2	194.35	196.46		196.48	0.000162	0.69	332.3	424.07	0.15
Nanticoke Creek	Main-2	11068	1000-year	115	194.35	196.57		196.58	0.000164	0.71	363.76	424.8	0.15
Nanticoke Creek	Main-2	11068	Hazel	218.5	194.35	197.23		197.25	0.00017	0.87	564.56	429.6	0.16
Nanticoke Creek	Main-2	10745	25-year	47.5	194.29	195.97		195.99	0.00024	0.72	222.88	382.87	0.18
Nanticoke Creek	Main-2	10745	50-year	59	194.29	196.09		196.1	0.000234	0.74	265.54	383.7	0.18
Nanticoke Creek	Main-2	10745	100-year	71	194.29	196.2		196.21	0.000224	0.76	307.49	384.3	0.18
Nanticoke Creek	Main-2	10745	200-year	83.6	194.29	196.31		196.32	0.000212	0.77	350.23	384.82	0.17
Nanticoke Creek	Main-2	10745	350-year	94.2	194.29	196.39		196.4	0.000205	0.77	384.18	385.23	0.17
Nanticoke Creek	Main-2	10745	500-year	101.2	194.29	196.45		196.46	0.000201	0.78	405.57	385.47	0.17
Nanticoke Creek	Main-2	10745	1000-year	115	194.29	196.56		196.56	0.000195	0.79	446.16	385.92	0.17
Nanticoke Creek	Main-2	10745	Hazel	218.5	194.29	197.22		197.23	0.000171	0.88	704.66	390.98	0.17
Nanticoke Creek	Main-2	10567	25-year	47.5	194.25	195.96		195.97	0.000187	0.64	206.86	282.5	0.16
Nanticoke Creek	Main-2	10567	50-year	59	194.25	196.07		196.08	0.000198	0.69	238.54	285.83	0.16
Nanticoke Creek	Main-2	10567	100-year	71	194.25	196.18		196.19	0.000204	0.73	269.82	287.58	0.17
Nanticoke Creek	Main-2	10567	200-year	83.6	194.25	196.29		196.3	0.000207	0.76	301.93	289.34	0.17
Nanticoke Creek	Main-2	10567	350-year	94.2	194.25	196.38		196.39	0.000208	0.79	327.51	290.6	0.17
Nanticoke Creek	Main-2	10567	500-year	101.2	194.25	196.43		196.45	0.000209	0.8	343.66	292.19	0.17
Nanticoke Creek	Main-2	10567	1000-year	115	194.25	196.54		196.55	0.000213	0.83	374.58	296.46	0.18
Nanticoke Creek	Main-2	10567	Hazel	218.5	194.25	197.2		197.22	0.000215	1	574.52	304.87	0.19

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-2	10459	25-year	47.5	194.2	195.91		195.93	0.00044	0.97	134.64	237.43	0.24
Nanticoke Creek	Main-2	10459	50-year	59	194.2	196.02		196.04	0.000436	1.01	161.87	251.03	0.24
Nanticoke Creek	Main-2	10459	100-year	71	194.2	196.13		196.15	0.000423	1.04	190.39	269.97	0.24
Nanticoke Creek	Main-2	10459	200-year	83.6	194.2	196.24		196.27	0.000402	1.05	222.4	294.81	0.24
Nanticoke Creek	Main-2	10459	350-year	94.2	194.2	196.33		196.35	0.000388	1.06	250.07	320.91	0.23
Nanticoke Creek	Main-2	10459	500-year	101.2	194.2	196.39		196.41	0.000388	1.08	268.15	328.64	0.24
Nanticoke Creek	Main-2	10459	1000-year	115	194.2	196.5		196.52	0.000365	1.08	303.85	337.49	0.23
Nanticoke Creek	Main-2	10459	Hazel	218.5	194.2	197.17		197.19	0.000269	1.11	557.05	390.01	0.21
Nanticoke Creek	Main-2	10314	25-year	47.5	194.19	195.87		195.89	0.000447	0.95	136.25	194.27	0.24
Nanticoke Creek	Main-2	10314	50-year	59	194.19	195.98		196	0.000466	1.01	157.71	194.99	0.25
Nanticoke Creek	Main-2	10314	100-year	71	194.19	196.09		196.11	0.000475	1.07	179.16	195.84	0.25
Nanticoke Creek	Main-2	10314	200-year	83.6	194.19	196.2		196.23	0.000473	1.11	201.44	196.71	0.25
Nanticoke Creek	Main-2	10314	350-year	94.2	194.19	196.29		196.32	0.000472	1.14	219.1	197.3	0.25
Nanticoke Creek	Main-2	10314	500-year	101.2	194.19	196.35		196.37	0.000473	1.16	230.05	197.88	0.25
Nanticoke Creek	Main-2	10314	1000-year	115	194.19	196.45		196.48	0.000472	1.2	251.19	198.56	0.26
Nanticoke Creek	Main-2	10314	Hazel	218.5	194.19	197.12		197.16	0.000467	1.42	386.26	204.78	0.27
Nanticoke Creek	Main-2	10187	25-year	47.5	194.19	195.82		195.85	0.000458	0.95	120.94	196.2	0.24
Nanticoke Creek	Main-2	10187	50-year	59	194.19	195.93		195.97	0.000481	1.02	142.6	199.56	0.25
Nanticoke Creek	Main-2	10187	100-year	71	194.19	196.04		196.08	0.000492	1.08	164.83	203.52	0.26
Nanticoke Creek	Main-2	10187	200-year	83.6	194.19	196.16		196.19	0.000487	1.12	188.5	207.77	0.26
Nanticoke Creek	Main-2	10187	350-year	94.2	194.19	196.25		196.28	0.000483	1.15	207.53	211.15	0.26
Nanticoke Creek	Main-2	10187	500-year	101.2	194.19	196.3		196.34	0.000483	1.17	219.4	213.2	0.26
Nanticoke Creek	Main-2	10187	1000-year	115	194.19	196.41		196.45	0.000476	1.2	242.58	215.67	0.26
Nanticoke Creek	Main-2	10187	Hazel	218.5	194.19	197.09		197.13	0.000443	1.39	392.73	226.21	0.26
Nanticoke Creek	Main-2	10053	25-year	47.5	194.17	195.73		195.78	0.000994	1.38	101.91	187.98	0.36
Nanticoke Creek	Main-2	10053	50-year	59	194.17	195.85		195.9	0.000941	1.41	124.12	190.87	0.35
Nanticoke Creek	Main-2	10053	100-year	71	194.17	195.96		196.01	0.000886	1.43	146.73	195.13	0.34
Nanticoke Creek	Main-2	10053	200-year	83.6	194.17	196.09		196.13	0.000808	1.43	171.06	197.1	0.33
Nanticoke Creek	Main-2	10053	350-year	94.2	194.17	196.18		196.23	0.000764	1.44	190.01	198.59	0.33
Nanticoke Creek	Main-2	10053	500-year	101.2	194.17	196.24		196.28	0.000744	1.45	201.61	199.3	0.32
Nanticoke Creek	Main-2	10053	1000-year	115	194.17	196.35		196.39	0.00071	1.46	223.99	201.08	0.32
Nanticoke Creek	Main-2	10053	Hazel	218.5	194.17	197.04		197.09	0.0006	1.62	373.11	248.14	0.31
Nanticoke Creek	Main-2	9932	25-year	47.5	194.08	195.57		195.63	0.001032	1.39	94.99	162.17	0.36
Nanticoke Creek	Main-2	9932	50-year	59	194.08	195.7		195.75	0.000954	1.42	116.36	171.91	0.36
Nanticoke Creek	Main-2	9932	100-year	71	194.08	195.83		195.88	0.000874	1.43	140.3	193.35	0.34
Nanticoke Creek	Main-2	9932	200-year	83.6	194.08	195.97		196.01	0.000778	1.42	168.03	212.03	0.33
Nanticoke Creek	Main-2	9932	350-year	94.2	194.08	196.07		196.12	0.000726	1.42	193.74	291.65	0.32
Nanticoke Creek	Main-2	9932	500-year	101.2	194.08	196.14		196.18	0.000706	1.43	213.4	356.28	0.32
Nanticoke Creek	Main-2	9932	1000-year	115	194.08	196.26		196.3	0.000629	1.4	260.91	410.28	0.3
Nanticoke Creek	Main-2	9932	Hazel	218.5	194.08	197		197.02	0.000317	1.21	642.32	592.72	0.23
Nanticoke Creek	Main-2	9816	25-year	47.5	194	195.58		195.58	0.000102	0.45	308.64	445.71	0.12
Nanticoke Creek	Main-2	9816	50-year	59	194	195.71		195.71	0.0001	0.47	367.79	466.72	0.12
Nanticoke Creek	Main-2	9816	100-year	71	194	195.84		195.84	0.000095	0.48	429.12	475.5	0.11
Nanticoke Creek	Main-2	9816	200-year	83.6	194	195.98		195.98	0.000088	0.49	495.76	495.2	0.11
Nanticoke Creek	Main-2	9816	350-year	94.2	194	196.08		196.09	0.000087	0.5	549.28	527.07	0.11
Nanticoke Creek	Main-2	9816	500-year	101.2	194	196.14		196.15	0.000086	0.51	582.34	544.96	0.11
Nanticoke Creek	Main-2	9816	1000-year	115	194	196.27		196.27	0.000082	0.52	651.48	592.67	0.11
Nanticoke Creek	Main-2	9816	Hazel	218.5	194	197		197	0.00007	0.58	1158.27	762.46	0.11
Nanticoke Creek	Main-2	9547	25-year	47.5	193.86	195.52		195.54	0.000374	0.9	189.97	395.2	0.22
Nanticoke Creek	Main-2	9547	50-year	59	193.86	195.66		195.68	0.000303	0.85	247.56	413.54	0.2
Nanticoke Creek	Main-2	9547	100-year	71	193.86	195.8		195.82	0.000252	0.82	305.82	425.72	0.19
Nanticoke Creek	Main-2	9547	200-year	83.6	193.86	195.95		195.96	0.00021	0.78	368.79	458.71	0.17
Nanticoke Creek	Main-2	9547	350-year	94.2	193.86	196.05		196.06	0.000199	0.79	418.22	483.33	0.17
Nanticoke Creek	Main-2	9547	500-year	101.2	193.86	196.12		196.13	0.000194	0.79	449.16	502.8	0.17
Nanticoke Creek	Main-2	9547	1000-year	115	193.86	196.24		196.25	0.000177	0.79	515.39	555.28	0.16
Nanticoke Creek	Main-2	9547	Hazel	218.5	193.86	196.98		196.99	0.000122	0.78	995.81	713.26	0.14
Nanticoke Creek	Main-2	9313	25-year	47.5	193.52	195.46		195.49	0.000321	0.92	144.91	276.32	0.21

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-2	9313	50-year	59	193.52	195.62		195.64	0.000291	0.92	188.28	288.42	0.2
Nanticoke Creek	Main-2	9313	100-year	71	193.52	195.76		195.79	0.000265	0.92	231.4	302.91	0.2
Nanticoke Creek	Main-2	9313	200-year	83.6	193.52	195.91		195.93	0.000257	0.95	280.24	347.86	0.2
Nanticoke Creek	Main-2	9313	350-year	94.2	193.52	196.02		196.04	0.000249	0.96	319.29	384.2	0.19
Nanticoke Creek	Main-2	9313	500-year	101.2	193.52	196.08		196.11	0.000239	0.96	344.89	405.31	0.19
Nanticoke Creek	Main-2	9313	1000-year	115	193.52	196.21		196.23	0.000226	0.96	401.37	474.95	0.19
Nanticoke Creek	Main-2	9313	Hazel	218.5	193.52	196.97		196.98	0.000162	0.96	802.59	588.09	0.17
Nanticoke Creek	Main-2	8957	25-year	47.5	193.45	195.39		195.41	0.000231	0.78	125.72	152.91	0.18
Nanticoke Creek	Main-2	8957	50-year	59	193.45	195.54		195.56	0.000239	0.84	150.04	162.51	0.19
Nanticoke Creek	Main-2	8957	100-year	71	193.45	195.69		195.71	0.000245	0.89	175.09	176.14	0.19
Nanticoke Creek	Main-2	8957	200-year	83.6	193.45	195.84		195.86	0.000251	0.94	202.47	199.15	0.19
Nanticoke Creek	Main-2	8957	350-year	94.2	193.45	195.94		195.97	0.00025	0.96	224.55	206.02	0.2
Nanticoke Creek	Main-2	8957	500-year	101.2	193.45	196.01		196.04	0.000253	0.99	238.1	213.47	0.2
Nanticoke Creek	Main-2	8957	1000-year	115	193.45	196.14		196.16	0.000257	1.03	266.44	231.9	0.2
Nanticoke Creek	Main-2	8957	Hazel	218.5	193.45	196.89		196.93	0.000257	1.21	475.31	329.72	0.21
Nanticoke Creek	Main-2	8735	25-year	47.5	193.36	195.31		195.35	0.000376	0.98	87.52	101.34	0.23
Nanticoke Creek	Main-2	8735	50-year	59	193.36	195.45		195.5	0.000409	1.07	102.75	104.09	0.24
Nanticoke Creek	Main-2	8735	100-year	71	193.36	195.59		195.65	0.000435	1.16	117.57	107.01	0.25
Nanticoke Creek	Main-2	8735	200-year	83.6	193.36	195.73		195.79	0.000461	1.24	133.01	115.97	0.26
Nanticoke Creek	Main-2	8735	350-year	94.2	193.36	195.84		195.9	0.000485	1.31	145.25	121.37	0.27
Nanticoke Creek	Main-2	8735	500-year	101.2	193.36	195.9		195.96	0.000504	1.36	152.6	124.79	0.28
Nanticoke Creek	Main-2	8735	1000-year	115	193.36	196.02		196.09	0.000529	1.44	168.46	142.47	0.28
Nanticoke Creek	Main-2	8735	Hazel	218.5	193.36	196.75		196.85	0.000599	1.8	297.44	196.85	0.32
Nanticoke Creek	Main-2	8611	25-year	47.5	193.34	195.23		195.29	0.000604	1.2	68.58	85	0.28
Nanticoke Creek	Main-2	8611	50-year	59	193.34	195.37		195.44	0.000669	1.33	80.73	90.67	0.3
Nanticoke Creek	Main-2	8611	100-year	71	193.34	195.5		195.58	0.000722	1.44	93.21	96.21	0.32
Nanticoke Creek	Main-2	8611	200-year	83.6	193.34	195.63		195.72	0.000753	1.54	106.62	101.85	0.33
Nanticoke Creek	Main-2	8611	350-year	94.2	193.34	195.73		195.83	0.000784	1.61	116.85	105.61	0.34
Nanticoke Creek	Main-2	8611	500-year	101.2	193.34	195.79		195.89	0.00081	1.67	122.89	107.63	0.34
Nanticoke Creek	Main-2	8611	1000-year	115	193.34	195.9		196.01	0.000844	1.76	135.59	112.55	0.35
Nanticoke Creek	Main-2	8611	Hazel	218.5	193.34	196.61		196.76	0.000957	2.21	227.16	142.55	0.39
Nanticoke Creek	Main-2	8517	25-year	47.5	193.32	195.19		195.23	0.000506	1.09	72.57	85.31	0.26
Nanticoke Creek	Main-2	8517	50-year	59	193.32	195.32		195.37	0.000541	1.18	84.5	88.84	0.27
Nanticoke Creek	Main-2	8517	100-year	71	193.32	195.46		195.51	0.000564	1.26	96.49	92.02	0.28
Nanticoke Creek	Main-2	8517	200-year	83.6	193.32	195.59		195.65	0.000568	1.32	109.28	95.15	0.28
Nanticoke Creek	Main-2	8517	350-year	94.2	193.32	195.69		195.75	0.000583	1.37	118.8	99.09	0.29
Nanticoke Creek	Main-2	8517	500-year	101.2	193.32	195.75		195.81	0.0006	1.42	124.46	103.35	0.29
Nanticoke Creek	Main-2	8517	1000-year	115	193.32	195.86		195.93	0.000613	1.48	136.76	107.94	0.3
Nanticoke Creek	Main-2	8517	Hazel	218.5	193.32	196.58		196.67	0.000661	1.82	221.54	130.49	0.32
Nanticoke Creek	Main-2	8366	25-year	47.5	193.3	195.15		195.17	0.000307	0.85	144.28	241.72	0.2
Nanticoke Creek	Main-2	8366	50-year	59	193.3	195.3		195.31	0.000285	0.86	179.46	249.55	0.2
Nanticoke Creek	Main-2	8366	100-year	71	193.3	195.43		195.45	0.000266	0.87	214.63	259.54	0.19
Nanticoke Creek	Main-2	8366	200-year	83.6	193.3	195.58		195.59	0.000244	0.87	252.37	266.73	0.19
Nanticoke Creek	Main-2	8366	350-year	94.2	193.3	195.68		195.69	0.000235	0.89	279.75	270.5	0.19
Nanticoke Creek	Main-2	8366	500-year	101.2	193.3	195.74		195.75	0.000234	0.9	295.38	272.11	0.19
Nanticoke Creek	Main-2	8366	1000-year	115	193.3	195.86		195.87	0.000227	0.91	328.1	276.1	0.18
Nanticoke Creek	Main-2	8366	Hazel	218.5	193.3	196.59		196.6	0.000204	1.03	538.28	298.07	0.18
Nanticoke Creek	Main-2	8131	25-year	47.5	193.17	195.1		195.12	0.000321	0.88	151.93	293.88	0.21
Nanticoke Creek	Main-2	8131	50-year	59	193.17	195.25		195.27	0.000276	0.86	198.19	303.36	0.2
Nanticoke Creek	Main-2	8131	100-year	71	193.17	195.4		195.42	0.000245	0.85	243.15	313.55	0.19
Nanticoke Creek	Main-2	8131	200-year	83.6	193.17	195.55		195.56	0.000217	0.84	290.54	321.14	0.18
Nanticoke Creek	Main-2	8131	350-year	94.2	193.17	195.65		195.67	0.000206	0.84	324.3	323.69	0.17
Nanticoke Creek	Main-2	8131	500-year	101.2	193.17	195.71		195.73	0.000204	0.85	343.27	326.39	0.17
Nanticoke Creek	Main-2	8131	1000-year	115	193.17	195.83		195.85	0.000195	0.86	383.1	329.59	0.17
Nanticoke Creek	Main-2	8131	Hazel	218.5	193.17	196.57		196.59	0.000168	0.94	637.33	356.37	0.17
Nanticoke Creek	Main-2	8067	25-year	47.5	193.17	195.09		195.11	0.000211	0.73	211.15	347.03	0.17
Nanticoke Creek	Main-2	8067	50-year	59	193.17	195.25		195.26	0.000181	0.71	265.74	353.73	0.16
Nanticoke Creek	Main-2	8067	100-year	71	193.17	195.4		195.4	0.000162	0.7	317.87	358.47	0.15

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-2	8067	200-year	83.6	193.17	195.55		195.55	0.000145	0.7	371.73	364.02	0.15
Nanticoke Creek	Main-2	8067	350-year	94.2	193.17	195.65		195.66	0.000139	0.7	410.08	367.51	0.14
Nanticoke Creek	Main-2	8067	500-year	101.2	193.17	195.71		195.72	0.000139	0.71	431.61	369.46	0.14
Nanticoke Creek	Main-2	8067	1000-year	115	193.17	195.83		195.84	0.000134	0.72	476.73	372.74	0.14
Nanticoke Creek	Main-2	8067	Hazel	218.5	193.17	196.57		196.58	0.000121	0.81	758.15	389.26	0.14
Nanticoke Creek	Main-2	8013	25-year	47.5	193.17	195.09		195.1	0.000124	0.56	283.68	371.79	0.13
Nanticoke Creek	Main-2	8013	50-year	59	193.17	195.25		195.25	0.000113	0.56	342.05	377.16	0.13
Nanticoke Creek	Main-2	8013	100-year	71	193.17	195.39		195.4	0.000105	0.57	397.52	380.88	0.12
Nanticoke Creek	Main-2	8013	200-year	83.6	193.17	195.54		195.55	0.000098	0.57	454.62	383.86	0.12
Nanticoke Creek	Main-2	8013	350-year	94.2	193.17	195.65		195.65	0.000097	0.58	495.02	386.69	0.12
Nanticoke Creek	Main-2	8013	500-year	101.2	193.17	195.71		195.71	0.000097	0.6	517.63	387.85	0.12
Nanticoke Creek	Main-2	8013	1000-year	115	193.17	195.83		195.83	0.000097	0.61	565.01	391.44	0.12
Nanticoke Creek	Main-2	8013	Hazel	218.5	193.17	196.57		196.57	0.000097	0.72	860.54	408.22	0.13
Nanticoke Creek	Main-2	7852	25-year	47.5	193.03	195.07		195.08	0.000133	0.6	268.91	354.83	0.14
Nanticoke Creek	Main-2	7852	50-year	59	193.03	195.23		195.24	0.00012	0.6	325.03	357.19	0.13
Nanticoke Creek	Main-2	7852	100-year	71	193.03	195.38		195.39	0.000112	0.61	377.91	358.71	0.13
Nanticoke Creek	Main-2	7852	200-year	83.6	193.03	195.53		195.54	0.000104	0.61	431.9	359.46	0.12
Nanticoke Creek	Main-2	7852	350-year	94.2	193.03	195.64		195.64	0.000103	0.62	469.72	361.61	0.12
Nanticoke Creek	Main-2	7852	500-year	101.2	193.03	195.69		195.7	0.000105	0.64	490.87	364.07	0.13
Nanticoke Creek	Main-2	7852	1000-year	115	193.03	195.82		195.82	0.000104	0.65	535.25	365.13	0.13
Nanticoke Creek	Main-2	7852	Hazel	218.5	193.03	196.55		196.56	0.000104	0.77	808.34	373.75	0.13
Nanticoke Creek	Main-2	7680	25-year	47.5	192.95	195.07		195.07	0.000049	0.37	239.76	237.47	0.08
Nanticoke Creek	Main-2	7680	50-year	59	192.95	195.22		195.23	0.000052	0.4	277.25	239.44	0.09
Nanticoke Creek	Main-2	7680	100-year	71	192.95	195.37		195.38	0.000055	0.43	312.51	240.75	0.09
Nanticoke Creek	Main-2	7680	200-year	83.6	192.95	195.52		195.53	0.000057	0.46	348.66	241.81	0.09
Nanticoke Creek	Main-2	7680	350-year	94.2	192.95	195.63		195.63	0.00006	0.48	373.99	243.37	0.1
Nanticoke Creek	Main-2	7680	500-year	101.2	192.95	195.68		195.69	0.000063	0.5	388.07	244.23	0.1
Nanticoke Creek	Main-2	7680	1000-year	115	192.95	195.8		195.81	0.000066	0.53	417.73	245.92	0.1
Nanticoke Creek	Main-2	7680	Hazel	218.5	192.95	196.54		196.55	0.000084	0.7	602.08	256.33	0.12
Nanticoke Creek	Main-2	7586	25-year	47.5	192.87	195.06		195.07	0.000085	0.51	157.44	140.81	0.11
Nanticoke Creek	Main-2	7586	50-year	59	192.87	195.21		195.23	0.000092	0.55	179.52	141.87	0.12
Nanticoke Creek	Main-2	7586	100-year	71	192.87	195.36		195.37	0.0001	0.6	200.33	144.04	0.12
Nanticoke Creek	Main-2	7586	200-year	83.6	192.87	195.51		195.52	0.000104	0.64	221.93	145.85	0.13
Nanticoke Creek	Main-2	7586	350-year	94.2	192.87	195.61		195.63	0.00011	0.67	237.1	146.93	0.13
Nanticoke Creek	Main-2	7586	500-year	101.2	192.87	195.67		195.69	0.000115	0.7	245.49	147.65	0.13
Nanticoke Creek	Main-2	7586	1000-year	115	192.87	195.79		195.81	0.000122	0.74	263.29	149.51	0.14
Nanticoke Creek	Main-2	7586	Hazel	218.5	192.87	196.52		196.54	0.00016	0.98	375.23	161.11	0.17
Nanticoke Creek	Main-2	7422	25-year	47.5	192.85	195.05		195.06	0.000139	0.63	169.93	219.07	0.14
Nanticoke Creek	Main-2	7422	50-year	59	192.85	195.21		195.21	0.000126	0.63	204.71	220.82	0.13
Nanticoke Creek	Main-2	7422	100-year	71	192.85	195.35		195.36	0.000117	0.63	237.34	222.37	0.13
Nanticoke Creek	Main-2	7422	200-year	83.6	192.85	195.5		195.51	0.000109	0.63	270.86	223.39	0.13
Nanticoke Creek	Main-2	7422	350-year	94.2	192.85	195.61		195.62	0.000107	0.64	294.21	224.37	0.13
Nanticoke Creek	Main-2	7422	500-year	101.2	192.85	195.66		195.67	0.000109	0.66	307.08	225.26	0.13
Nanticoke Creek	Main-2	7422	1000-year	115	192.85	195.78		195.79	0.000108	0.67	334.34	226.47	0.13
Nanticoke Creek	Main-2	7422	Hazel	218.5	192.85	196.52		196.53	0.000107	0.78	504.71	240.93	0.13
Nanticoke Creek	Main-2	7226	25-year	47.5	191.8	195.03		195.04	0.000099	0.64	149.42	271.14	0.12
Nanticoke Creek	Main-2	7226	50-year	59	191.8	195.2		195.21	0.000083	0.61	193.74	272.46	0.11
Nanticoke Creek	Main-2	7226	100-year	71	191.8	195.35		195.35	0.000073	0.59	234.69	273.79	0.1
Nanticoke Creek	Main-2	7226	200-year	83.6	191.8	195.5		195.51	0.000064	0.57	276.44	275.15	0.1
Nanticoke Creek	Main-2	7226	350-year	94.2	191.8	195.6		195.61	0.000061	0.57	305.4	276.15	0.1
Nanticoke Creek	Main-2	7226	500-year	101.2	191.8	195.66		195.67	0.000061	0.57	321.3	276.61	0.1
Nanticoke Creek	Main-2	7226	1000-year	115	191.8	195.78		195.79	0.000059	0.57	354.91	277.79	0.1
Nanticoke Creek	Main-2	7226	Hazel	218.5	191.8	196.52		196.52	0.000051	0.61	564.38	296.88	0.09
Nanticoke Creek	Main-2	7224	25-year	47.5	191.8	195.03	193.25	195.04	0.000107	0.67	127.19	198.38	0.13
Nanticoke Creek	Main-2	7224	50-year	59	191.8	195.19	193.45	195.2	0.000099	0.67	162.87	247.41	0.12
Nanticoke Creek	Main-2	7224	100-year	71	191.8	195.34	193.63	195.35	0.000092	0.66	202.12	268.34	0.12
Nanticoke Creek	Main-2	7224	200-year	83.6	191.8	195.49	193.8	195.5	0.000079	0.64	243.08	270.55	0.11
Nanticoke Creek	Main-2	7224	350-year	94.2	191.8	195.6	193.94	195.61	0.000074	0.63	271.38	271.39	0.11

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-2	7224	500-year	101.2	191.8	195.66	194.04	195.67	0.000073	0.63	286.87	271.85	0.11
Nanticoke Creek	Main-2	7224	1000-year	115	191.8	195.78	194.73	195.79	0.000069	0.63	319.61	273.3	0.1
Nanticoke Creek	Main-2	7224	Hazel	218.5	191.8	196.51	195.03	196.52	0.000057	0.64	529.92	306.22	0.1
Nanticoke Creek	Main-2	7215		Bridge									
Nanticoke Creek	Main-2	7204	25-year	49.5	192.13	195	193.55	195.02	0.000155	0.78	115.7	204.09	0.15
Nanticoke Creek	Main-2	7204	50-year	61.4	192.13	195.18	193.74	195.19	0.000134	0.76	151.8	225.5	0.14
Nanticoke Creek	Main-2	7204	100-year	73.7	192.13	195.33	193.91	195.34	0.000115	0.73	187.16	247.1	0.13
Nanticoke Creek	Main-2	7204	200-year	86.7	192.13	195.48	194.11	195.49	0.0001	0.7	224.63	268.01	0.13
Nanticoke Creek	Main-2	7204	350-year	97.6	192.13	195.59	194.21	195.6	0.000093	0.69	260	271.49	0.12
Nanticoke Creek	Main-2	7204	500-year	104.7	192.13	195.65	194.28	195.66	0.000091	0.69	275.9	274.9	0.12
Nanticoke Creek	Main-2	7204	1000-year	118.9	192.13	195.77	194.76	195.78	0.000084	0.68	309.81	280.41	0.12
Nanticoke Creek	Main-2	7204	Hazel	223.8	192.13	196.51	195.12	196.52	0.000061	0.66	529.61	309.36	0.1
Nanticoke Creek	Main-2	7200	25-year	49.5	191.51	195		195.02	0.000116	0.71	148.97	222.43	0.13
Nanticoke Creek	Main-2	7200	50-year	61.4	191.51	195.18		195.19	0.000103	0.7	188.01	230.22	0.13
Nanticoke Creek	Main-2	7200	100-year	73.7	191.51	195.33		195.34	0.000095	0.69	223.71	233.66	0.12
Nanticoke Creek	Main-2	7200	200-year	86.7	191.51	195.48		195.49	0.000089	0.69	259.08	240.63	0.12
Nanticoke Creek	Main-2	7200	350-year	97.6	191.51	195.59		195.6	0.000087	0.7	285.6	251.51	0.12
Nanticoke Creek	Main-2	7200	500-year	104.7	191.51	195.65		195.66	0.000087	0.71	300.42	258.71	0.12
Nanticoke Creek	Main-2	7200	1000-year	118.9	191.51	195.77		195.78	0.000085	0.71	333.15	275.19	0.12
Nanticoke Creek	Main-2	7200	Hazel	223.8	191.51	196.51		196.52	0.000074	0.75	555.81	316.93	0.11
Nanticoke Creek	Main-2	7156	25-year	49.5	192.83	194.97		194.99	0.000383	1.04	139.24	178.57	0.23
Nanticoke Creek	Main-2	7156	50-year	61.4	192.83	195.14		195.17	0.000363	1.07	171.04	190.45	0.23
Nanticoke Creek	Main-2	7156	100-year	73.7	192.83	195.29		195.32	0.000341	1.09	201.71	206.21	0.22
Nanticoke Creek	Main-2	7156	200-year	86.7	192.83	195.45		195.47	0.00032	1.1	234.21	226.7	0.22
Nanticoke Creek	Main-2	7156	350-year	97.6	192.83	195.55		195.58	0.000313	1.11	259.43	240.34	0.22
Nanticoke Creek	Main-2	7156	500-year	104.7	192.83	195.61		195.64	0.000314	1.13	273.38	242.97	0.22
Nanticoke Creek	Main-2	7156	1000-year	118.9	192.83	195.73		195.76	0.000307	1.15	303.53	247.8	0.22
Nanticoke Creek	Main-2	7156	Hazel	223.8	192.83	196.47		196.5	0.000272	1.27	494.13	265.61	0.21
Nanticoke Creek	Main-2	7079	25-year	49.5	192.81	194.94		194.97	0.000321	0.96	128.43	162.69	0.21
Nanticoke Creek	Main-2	7079	50-year	61.4	192.81	195.12		195.14	0.000306	0.99	157.54	171.35	0.21
Nanticoke Creek	Main-2	7079	100-year	73.7	192.81	195.27		195.3	0.0003	1.02	184.74	181.51	0.21
Nanticoke Creek	Main-2	7079	200-year	86.7	192.81	195.42		195.45	0.000293	1.05	213.99	202.04	0.21
Nanticoke Creek	Main-2	7079	350-year	97.6	192.81	195.53		195.56	0.000293	1.08	236.5	215.1	0.21
Nanticoke Creek	Main-2	7079	500-year	104.7	192.81	195.59		195.62	0.000297	1.1	249.03	222.46	0.21
Nanticoke Creek	Main-2	7079	1000-year	118.9	192.81	195.71		195.74	0.000292	1.13	276.8	228.06	0.21
Nanticoke Creek	Main-2	7079	Hazel	223.8	192.81	196.45		196.48	0.000263	1.25	455.2	249.63	0.21
Nanticoke Creek	Main-2	6987	25-year	49.5	192.8	194.9		194.94	0.000395	1.06	110.06	128.86	0.24
Nanticoke Creek	Main-2	6987	50-year	61.4	192.8	195.07		195.11	0.000422	1.15	133.6	155.14	0.25
Nanticoke Creek	Main-2	6987	100-year	73.7	192.8	195.22		195.27	0.000445	1.24	159.23	179.12	0.26
Nanticoke Creek	Main-2	6987	200-year	86.7	192.8	195.37		195.42	0.00043	1.27	187.69	190.99	0.25
Nanticoke Creek	Main-2	6987	350-year	97.6	192.8	195.48		195.53	0.000428	1.3	208.65	197.17	0.26
Nanticoke Creek	Main-2	6987	500-year	104.7	192.8	195.54		195.59	0.000433	1.33	219.89	199.07	0.26
Nanticoke Creek	Main-2	6987	1000-year	118.9	192.8	195.66		195.71	0.000428	1.36	244.75	202.4	0.26
Nanticoke Creek	Main-2	6987	Hazel	223.8	192.8	196.4		196.45	0.000405	1.55	400.58	216.6	0.26
Nanticoke Creek	Main-2	6896	25-year	49.5	192.8	194.88		194.91	0.000285	0.89	99.23	123.42	0.2
Nanticoke Creek	Main-2	6896	50-year	61.4	192.8	195.05		195.08	0.000286	0.94	123.45	154.13	0.2
Nanticoke Creek	Main-2	6896	100-year	73.7	192.8	195.2		195.23	0.000304	1.01	147.33	165.98	0.21
Nanticoke Creek	Main-2	6896	200-year	86.7	192.8	195.35		195.38	0.000292	1.03	173.24	169	0.21
Nanticoke Creek	Main-2	6896	350-year	97.6	192.8	195.46		195.49	0.000291	1.06	191.61	172.37	0.21
Nanticoke Creek	Main-2	6896	500-year	104.7	192.8	195.51		195.55	0.000297	1.09	201.33	174.83	0.21
Nanticoke Creek	Main-2	6896	1000-year	118.9	192.8	195.64		195.67	0.000301	1.13	223	177.78	0.22
Nanticoke Creek	Main-2	6896	Hazel	223.8	192.8	196.38		196.42	0.000307	1.33	363.5	197.97	0.23
Nanticoke Creek	Main-2	6803	25-year	49.5	192.79	194.82		194.87	0.000519	1.17	91.36	133.83	0.27
Nanticoke Creek	Main-2	6803	50-year	61.4	192.79	194.99		195.04	0.000499	1.21	114.54	135.56	0.27
Nanticoke Creek	Main-2	6803	100-year	73.7	192.79	195.14		195.19	0.000494	1.26	135.05	137.03	0.27
Nanticoke Creek	Main-2	6803	200-year	86.7	192.79	195.29		195.35	0.000482	1.3	156.38	139.72	0.27
Nanticoke Creek	Main-2	6803	350-year	97.6	192.79	195.4		195.45	0.000487	1.35	171.3	140.82	0.27

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-2	6803	500-year	104.7	192.79	195.45		195.51	0.000502	1.39	178.87	141.49	0.28
Nanticoke Creek	Main-2	6803	1000-year	118.9	192.79	195.57		195.63	0.000511	1.44	196.03	142.6	0.28
Nanticoke Creek	Main-2	6803	Hazel	223.8	192.79	196.3		196.38	0.00056	1.77	303.4	151.98	0.3
Nanticoke Creek	Main-2	6664	25-year	49.5	192.76	194.78		194.81	0.000314	0.93	94.94	90.89	0.21
Nanticoke Creek	Main-2	6664	50-year	61.4	192.76	194.94		194.98	0.000331	1.01	110.49	94.08	0.22
Nanticoke Creek	Main-2	6664	100-year	73.7	192.76	195.09		195.13	0.000352	1.08	124.39	96.42	0.23
Nanticoke Creek	Main-2	6664	200-year	86.7	192.76	195.24		195.28	0.000365	1.15	139.28	99.48	0.23
Nanticoke Creek	Main-2	6664	350-year	97.6	192.76	195.35		195.39	0.000383	1.21	149.61	100.51	0.24
Nanticoke Creek	Main-2	6664	500-year	104.7	192.76	195.4		195.45	0.000403	1.26	154.69	100.98	0.25
Nanticoke Creek	Main-2	6664	1000-year	118.9	192.76	195.51		195.57	0.000427	1.33	166.56	102.56	0.26
Nanticoke Creek	Main-2	6664	Hazel	223.8	192.76	196.21		196.3	0.000561	1.78	242.59	116	0.31
Nanticoke Creek	Main-2	6547	25-year	49.5	192.73	194.73		194.76	0.00043	1.05	107.73	107.13	0.24
Nanticoke Creek	Main-2	6547	50-year	61.4	192.73	194.89		194.93	0.000475	1.17	125.99	117.68	0.26
Nanticoke Creek	Main-2	6547	100-year	73.7	192.73	195.04		195.08	0.000494	1.24	143.28	121.71	0.26
Nanticoke Creek	Main-2	6547	200-year	86.7	192.73	195.19		195.23	0.000502	1.31	162.13	127.37	0.27
Nanticoke Creek	Main-2	6547	350-year	97.6	192.73	195.29		195.34	0.000523	1.37	175.14	131.06	0.28
Nanticoke Creek	Main-2	6547	500-year	104.7	192.73	195.34		195.39	0.000548	1.42	181.46	132.72	0.28
Nanticoke Creek	Main-2	6547	1000-year	118.9	192.73	195.45		195.51	0.000566	1.49	197.12	136.89	0.29
Nanticoke Creek	Main-2	6547	Hazel	223.8	192.73	196.14		196.22	0.000655	1.87	298.16	155.35	0.33
Nanticoke Creek	Main-2	6378	25-year	49.5	192.5	194.6		194.67	0.000784	1.41	76.66	88.09	0.32
Nanticoke Creek	Main-2	6378	50-year	61.4	192.5	194.75		194.83	0.000852	1.54	90.33	96.08	0.34
Nanticoke Creek	Main-2	6378	100-year	73.7	192.5	194.89		194.97	0.000897	1.65	105.52	132.21	0.35
Nanticoke Creek	Main-2	6378	200-year	86.7	192.5	195.01		195.12	0.001044	1.85	122.87	142.27	0.38
Nanticoke Creek	Main-2	6378	350-year	97.6	192.5	195.11		195.22	0.00104	1.9	137.63	149.27	0.39
Nanticoke Creek	Main-2	6378	500-year	104.7	192.5	195.16		195.27	0.001077	1.95	143.99	152.04	0.39
Nanticoke Creek	Main-2	6378	1000-year	118.9	192.5	195.27		195.38	0.001066	2	162.24	157.44	0.4
Nanticoke Creek	Main-2	6378	Hazel	223.8	192.5	195.99		196.1	0.000954	2.23	285.89	187.42	0.39
Nanticoke Creek	Main-2	6285	25-year	49.5	192.49	194.58		194.61	0.000359	1.02	109.87	125.95	0.23
Nanticoke Creek	Main-2	6285	50-year	61.4	192.49	194.73		194.77	0.000385	1.11	129.24	131.98	0.24
Nanticoke Creek	Main-2	6285	100-year	73.7	192.49	194.86		194.91	0.00041	1.19	147.47	138.03	0.25
Nanticoke Creek	Main-2	6285	200-year	86.7	192.49	194.99		195.04	0.000432	1.27	165.92	143.12	0.26
Nanticoke Creek	Main-2	6285	350-year	97.6	192.49	195.09		195.14	0.000453	1.33	180.34	149.31	0.26
Nanticoke Creek	Main-2	6285	500-year	104.7	192.49	195.13		195.19	0.000483	1.39	186.24	150.88	0.27
Nanticoke Creek	Main-2	6285	1000-year	118.9	192.49	195.24		195.3	0.000501	1.46	203.69	154.43	0.28
Nanticoke Creek	Main-2	6285	Hazel	223.8	192.49	195.94		196.02	0.000571	1.81	319.06	175.97	0.31
Nanticoke Creek	Main-2	6165	25-year	49.5	192.48	194.55		194.57	0.000324	0.95	145.97	200.52	0.21
Nanticoke Creek	Main-2	6165	50-year	61.4	192.48	194.7		194.73	0.000319	0.99	178.68	229.67	0.21
Nanticoke Creek	Main-2	6165	100-year	73.7	192.48	194.84		194.87	0.000318	1.03	211.9	246.76	0.22
Nanticoke Creek	Main-2	6165	200-year	86.7	192.48	194.98		195	0.000313	1.06	246.76	276.72	0.22
Nanticoke Creek	Main-2	6165	350-year	97.6	192.48	195.08		195.1	0.000312	1.09	275.98	299.7	0.22
Nanticoke Creek	Main-2	6165	500-year	104.7	192.48	195.12		195.14	0.000326	1.12	287.86	301.8	0.22
Nanticoke Creek	Main-2	6165	1000-year	118.9	192.48	195.23		195.26	0.000318	1.14	323.97	314.17	0.22
Nanticoke Creek	Main-2	6165	Hazel	223.8	192.48	195.95		195.97	0.000269	1.23	578.6	383.76	0.21
Nanticoke Creek	Main-2	6050	25-year	49.5	192.47	194.45	193.7	194.51	0.0007	1.37	91.61	166.77	0.31
Nanticoke Creek	Main-2	6050	50-year	61.4	192.47	194.6	193.78	194.67	0.000721	1.46	110.58	181.37	0.32
Nanticoke Creek	Main-2	6050	100-year	73.7	192.47	194.74	193.98	194.8	0.000728	1.53	129.15	188.77	0.33
Nanticoke Creek	Main-2	6050	200-year	86.7	192.47	194.87	194.04	194.94	0.000736	1.6	147.83	198.68	0.33
Nanticoke Creek	Main-2	6050	350-year	97.6	192.47	194.97	194.21	195.04	0.000745	1.65	162.3	204.18	0.34
Nanticoke Creek	Main-2	6050	500-year	104.7	192.47	195.05	194.26	195.09	0.000464	1.33	236.87	207.37	0.27
Nanticoke Creek	Main-2	6050	1000-year	118.9	192.47	195.17	194.26	195.21	0.000462	1.37	261.43	212.83	0.27
Nanticoke Creek	Main-2	6050	Hazel	223.8	192.47	195.89	194.88	195.93	0.000422	1.54	444.94	294	0.27
Nanticoke Creek	Main-2	5962	25-year	49.5	192.45	194.38		194.45	0.000715	1.35	87.14	122.54	0.31
Nanticoke Creek	Main-2	5962	50-year	61.4	192.45	194.53		194.6	0.000724	1.43	105.93	129.14	0.32
Nanticoke Creek	Main-2	5962	100-year	73.7	192.45	194.67		194.73	0.00074	1.51	123.63	135.8	0.33
Nanticoke Creek	Main-2	5962	200-year	86.7	192.45	194.8		194.87	0.000751	1.58	141.68	142.68	0.33
Nanticoke Creek	Main-2	5962	350-year	97.6	192.45	194.89		194.97	0.000761	1.64	155.7	146.54	0.34
Nanticoke Creek	Main-2	5962	500-year	104.7	192.45	194.95		195.03	0.000763	1.67	164.69	148.24	0.34
Nanticoke Creek	Main-2	5962	1000-year	118.9	192.45	195.07		195.15	0.00077	1.73	181.92	151.94	0.34

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-2	5962	Hazel	223.8	192.45	195.78		195.87	0.00077	2.03	301.17	202.51	0.36
Nanticoke Creek	Main-2	5829	25-year	49.5	192.43	194.25	193.62	194.33	0.000963	1.5	75.85	115.48	0.36
Nanticoke Creek	Main-2	5829	50-year	61.4	192.43	194.4	193.81	194.48	0.000969	1.59	93.3	122.23	0.37
Nanticoke Creek	Main-2	5829	100-year	73.7	192.43	194.53	193.94	194.62	0.000973	1.67	109.83	126.96	0.37
Nanticoke Creek	Main-2	5829	200-year	86.7	192.43	194.66	194.06	194.75	0.000972	1.73	126.51	131.48	0.38
Nanticoke Creek	Main-2	5829	350-year	97.6	192.43	194.75	194.19	194.85	0.000981	1.79	139.12	134.29	0.38
Nanticoke Creek	Main-2	5829	500-year	104.7	192.43	194.81	194.23	194.91	0.000981	1.82	147.3	135.62	0.38
Nanticoke Creek	Main-2	5829	1000-year	118.9	192.43	194.93	194.34	195.02	0.000982	1.89	162.85	137.86	0.38
Nanticoke Creek	Main-2	5829	Hazel	223.8	192.43	195.64	194.77	195.75	0.00096	2.21	265.16	151.06	0.4
Nanticoke Creek	Main-2	5705	25-year	49.5	192.32	194.11		194.21	0.001087	1.57	55.44	93.57	0.38
Nanticoke Creek	Main-2	5705	50-year	61.4	192.32	194.24		194.36	0.001198	1.73	68.2	104.52	0.4
Nanticoke Creek	Main-2	5705	100-year	73.7	192.32	194.36		194.49	0.001261	1.85	81.15	109.25	0.42
Nanticoke Creek	Main-2	5705	200-year	86.7	192.32	194.48		194.62	0.001291	1.95	94.93	114.08	0.43
Nanticoke Creek	Main-2	5705	350-year	97.6	192.32	194.57		194.72	0.001323	2.03	105.23	117.02	0.44
Nanticoke Creek	Main-2	5705	500-year	104.7	192.32	194.63		194.78	0.001335	2.07	112.08	119.31	0.44
Nanticoke Creek	Main-2	5705	1000-year	118.9	192.32	194.73		194.89	0.001373	2.17	125.07	125.91	0.45
Nanticoke Creek	Main-2	5705	Hazel	223.8	192.32	195.47		195.63	0.0012	2.43	243.36	181.21	0.44
Nanticoke Creek	Main-2	5528	25-year	49.5	192.24	194.02		194.06	0.000602	1.17	117.39	195.87	0.28
Nanticoke Creek	Main-2	5528	50-year	61.4	192.24	194.16		194.2	0.000563	1.19	146.19	207.64	0.28
Nanticoke Creek	Main-2	5528	100-year	73.7	192.24	194.29		194.33	0.000537	1.21	174.48	220.21	0.27
Nanticoke Creek	Main-2	5528	200-year	86.7	192.24	194.43		194.46	0.000492	1.21	205.7	239.57	0.26
Nanticoke Creek	Main-2	5528	350-year	97.6	192.24	194.53		194.56	0.000475	1.23	229.58	249.96	0.26
Nanticoke Creek	Main-2	5528	500-year	104.7	192.24	194.59		194.62	0.000462	1.23	245.52	257.58	0.26
Nanticoke Creek	Main-2	5528	1000-year	118.9	192.24	194.7		194.74	0.000445	1.25	275.34	262.05	0.26
Nanticoke Creek	Main-2	5528	Hazel	223.8	192.24	195.47		195.5	0.000347	1.32	482.61	280.98	0.24
Nanticoke Creek	Main-2	5434	25-year	49.5	192.24	194.02		194.03	0.000228	0.73	145.76	198.41	0.18
Nanticoke Creek	Main-2	5434	50-year	61.4	192.24	194.16		194.17	0.000212	0.74	174.08	199.71	0.17
Nanticoke Creek	Main-2	5434	100-year	73.7	192.24	194.29		194.3	0.000202	0.75	200.55	200.52	0.17
Nanticoke Creek	Main-2	5434	200-year	86.7	192.24	194.43		194.44	0.000191	0.77	228	201.79	0.17
Nanticoke Creek	Main-2	5434	350-year	97.6	192.24	194.52		194.54	0.000188	0.78	247.66	202.57	0.17
Nanticoke Creek	Main-2	5434	500-year	104.7	192.24	194.59		194.6	0.000186	0.79	260.37	202.84	0.17
Nanticoke Creek	Main-2	5434	1000-year	118.9	192.24	194.7		194.71	0.000185	0.82	283.57	203.69	0.17
Nanticoke Creek	Main-2	5434	Hazel	223.8	192.24	195.46		195.48	0.000167	0.93	440.56	209.48	0.17
Nanticoke Creek	Main-2	5358	25-year	49.5	192.24	194.01		194.02	0.000173	0.63	155.18	186.5	0.15
Nanticoke Creek	Main-2	5358	50-year	61.4	192.24	194.15		194.16	0.000163	0.64	181.92	188	0.15
Nanticoke Creek	Main-2	5358	100-year	73.7	192.24	194.28		194.29	0.000158	0.66	206.92	189.11	0.15
Nanticoke Creek	Main-2	5358	200-year	86.7	192.24	194.42		194.43	0.00015	0.67	232.85	190.01	0.15
Nanticoke Creek	Main-2	5358	350-year	97.6	192.24	194.52		194.53	0.000149	0.69	251.37	190.71	0.15
Nanticoke Creek	Main-2	5358	500-year	104.7	192.24	194.58		194.59	0.000148	0.7	263.35	191.12	0.15
Nanticoke Creek	Main-2	5358	1000-year	118.9	192.24	194.69		194.71	0.000148	0.72	285.24	192.12	0.15
Nanticoke Creek	Main-2	5358	Hazel	223.8	192.24	195.45		195.47	0.000137	0.83	434.01	198.13	0.15
Nanticoke Creek	Main-2	5064	25-year	49.5	192.22	193.82		193.92	0.001484	1.63	63.1	94.55	0.43
Nanticoke Creek	Main-2	5064	50-year	61.4	192.22	193.98		194.07	0.001393	1.69	77.77	102.22	0.42
Nanticoke Creek	Main-2	5064	100-year	73.7	192.22	194.11		194.21	0.001342	1.75	92.58	113.88	0.42
Nanticoke Creek	Main-2	5064	200-year	86.7	192.22	194.24		194.35	0.001418	1.88	107.45	120.83	0.44
Nanticoke Creek	Main-2	5064	350-year	97.6	192.22	194.34		194.45	0.001367	1.92	119.72	122.17	0.44
Nanticoke Creek	Main-2	5064	500-year	104.7	192.22	194.4		194.51	0.00133	1.93	127.77	123.02	0.43
Nanticoke Creek	Main-2	5064	1000-year	118.9	192.22	194.52		194.63	0.001298	1.98	142.03	124.57	0.43
Nanticoke Creek	Main-2	5064	Hazel	223.8	192.22	195.29		195.41	0.001069	2.2	241.74	135.33	0.41
Nanticoke Creek	Main-2	4993	25-year	49.5	192.22	193.74		193.83	0.00114	1.45	52.64	84.26	0.38
Nanticoke Creek	Main-2	4993	50-year	61.4	192.22	193.9		193.99	0.001068	1.5	66.07	87.08	0.37
Nanticoke Creek	Main-2	4993	100-year	73.7	192.22	194.04		194.13	0.001043	1.56	78.35	91.4	0.38
Nanticoke Creek	Main-2	4993	200-year	86.7	192.22	194.17		194.26	0.001013	1.62	90.54	93.47	0.37
Nanticoke Creek	Main-2	4993	350-year	97.6	192.22	194.27		194.37	0.001014	1.67	100.01	97.25	0.38
Nanticoke Creek	Main-2	4993	500-year	104.7	192.22	194.33		194.43	0.000998	1.7	106.47	98.66	0.38
Nanticoke Creek	Main-2	4993	1000-year	118.9	192.22	194.45		194.55	0.001003	1.76	117.85	102.45	0.38
Nanticoke Creek	Main-2	4993	Hazel	223.8	192.22	195.22		195.34	0.000873	2.01	212.63	140.2	0.37

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-2	4827	25-year	49.5	191.92	193.67		193.71	0.000598	1.16	115.73	151.71	0.28
Nanticoke Creek	Main-2	4827	50-year	61.4	191.92	193.84		193.87	0.000543	1.18	141.87	156.4	0.27
Nanticoke Creek	Main-2	4827	100-year	73.7	191.92	193.99		194.02	0.000525	1.22	164.67	160.06	0.27
Nanticoke Creek	Main-2	4827	200-year	86.7	191.92	194.12		194.15	0.000532	1.28	186.56	168.23	0.28
Nanticoke Creek	Main-2	4827	350-year	97.6	191.92	194.22		194.26	0.000534	1.32	203.81	172.32	0.28
Nanticoke Creek	Main-2	4827	500-year	104.7	191.92	194.29		194.33	0.000525	1.34	215.71	173.89	0.28
Nanticoke Creek	Main-2	4827	1000-year	118.9	191.92	194.4		194.44	0.000533	1.39	236.02	178.51	0.28
Nanticoke Creek	Main-2	4827	Hazel	223.8	191.92	195.19		195.24	0.000507	1.64	392.05	219.03	0.29
Nanticoke Creek	Main-2	4692	25-year	49.5	191.76	193.64		193.66	0.000227	0.75	153.94	167.11	0.18
Nanticoke Creek	Main-2	4692	50-year	61.4	191.76	193.81		193.83	0.000222	0.78	182.41	168.1	0.18
Nanticoke Creek	Main-2	4692	100-year	73.7	191.76	193.95		193.97	0.000226	0.83	206.64	169.04	0.18
Nanticoke Creek	Main-2	4692	200-year	86.7	191.76	194.09		194.11	0.000233	0.88	229.22	170.91	0.18
Nanticoke Creek	Main-2	4692	350-year	97.6	191.76	194.19		194.21	0.00024	0.91	246.91	180.51	0.19
Nanticoke Creek	Main-2	4692	500-year	104.7	191.76	194.26		194.28	0.000241	0.93	259.51	187.48	0.19
Nanticoke Creek	Main-2	4692	1000-year	118.9	191.76	194.37		194.39	0.00025	0.98	281.72	202.7	0.2
Nanticoke Creek	Main-2	4692	Hazel	223.8	191.76	195.16		195.19	0.000245	1.16	464.34	245.06	0.2
Nanticoke Creek	Main-2	4475	25-year	49.5	191.57	193.57		193.6	0.000428	1.07	117.79	154.44	0.24
Nanticoke Creek	Main-2	4475	50-year	61.4	191.57	193.74		193.78	0.0004	1.09	145.32	158.07	0.24
Nanticoke Creek	Main-2	4475	100-year	73.7	191.57	193.89		193.92	0.0004	1.14	168.48	162.34	0.24
Nanticoke Creek	Main-2	4475	200-year	86.7	191.57	194.02		194.06	0.000404	1.19	190.47	171.37	0.24
Nanticoke Creek	Main-2	4475	350-year	97.6	191.57	194.12		194.16	0.000431	1.26	207.71	184.12	0.25
Nanticoke Creek	Main-2	4475	500-year	104.7	191.57	194.19		194.23	0.000439	1.3	220.23	187.62	0.26
Nanticoke Creek	Main-2	4475	1000-year	118.9	191.57	194.3		194.34	0.000446	1.34	241.95	194.93	0.26
Nanticoke Creek	Main-2	4475	Hazel	223.8	191.57	195.1		195.15	0.000406	1.53	413.13	230.03	0.26
Nanticoke Creek	Main-2	4351	25-year	49.5	191.47	193.53		193.56	0.000303	0.9	88.09	102.07	0.2
Nanticoke Creek	Main-2	4351	50-year	61.4	191.47	193.7		193.74	0.000307	0.96	107.44	114.06	0.21
Nanticoke Creek	Main-2	4351	100-year	73.7	191.47	193.84		193.88	0.000324	1.03	124.62	127.76	0.22
Nanticoke Creek	Main-2	4351	200-year	86.7	191.47	193.97		194.01	0.00034	1.09	141.7	139.32	0.22
Nanticoke Creek	Main-2	4351	350-year	97.6	191.47	194.07		194.11	0.000362	1.16	155.04	146.12	0.23
Nanticoke Creek	Main-2	4351	500-year	104.7	191.47	194.13		194.18	0.000362	1.18	165.03	147.32	0.23
Nanticoke Creek	Main-2	4351	1000-year	118.9	191.47	194.25		194.29	0.000375	1.23	181.61	151.65	0.24
Nanticoke Creek	Main-2	4351	Hazel	223.8	191.47	195.05		195.1	0.000357	1.43	328.56	197.82	0.24
Nanticoke Creek	Main-2	4234	25-year	49.5	191.45	193.49		193.52	0.000342	0.97	75.52	81.52	0.22
Nanticoke Creek	Main-2	4234	50-year	61.4	191.45	193.67		193.7	0.000344	1.02	91.34	99.95	0.22
Nanticoke Creek	Main-2	4234	100-year	73.7	191.45	193.81		193.84	0.000358	1.09	106.27	110.53	0.23
Nanticoke Creek	Main-2	4234	200-year	86.7	191.45	193.94		193.98	0.000371	1.15	120.7	113.14	0.23
Nanticoke Creek	Main-2	4234	350-year	97.6	191.45	194.03		194.07	0.000388	1.21	131.26	114.92	0.24
Nanticoke Creek	Main-2	4234	500-year	104.7	191.45	194.1		194.14	0.000391	1.23	139.26	122.36	0.24
Nanticoke Creek	Main-2	4234	1000-year	118.9	191.45	194.21		194.25	0.000408	1.29	153.04	128.28	0.25
Nanticoke Creek	Main-2	4234	Hazel	223.8	191.45	195.01		195.07	0.00039	1.5	262.62	145.27	0.26
Nanticoke Creek	Main-2	4010	25-year	49.5	191.41	193.37		193.42	0.000645	1.27	92.23	130.51	0.29
Nanticoke Creek	Main-2	4010	50-year	61.4	191.41	193.54		193.6	0.00067	1.37	118.33	176.46	0.3
Nanticoke Creek	Main-2	4010	100-year	73.7	191.41	193.68		193.74	0.000682	1.44	146.13	223.42	0.31
Nanticoke Creek	Main-2	4010	200-year	86.7	191.41	193.81		193.87	0.000673	1.49	177.97	250.38	0.31
Nanticoke Creek	Main-2	4010	350-year	97.6	191.41	193.91		193.97	0.000627	1.48	204.03	255.77	0.3
Nanticoke Creek	Main-2	4010	500-year	104.7	191.41	193.99		194.04	0.000584	1.46	224.02	261.53	0.29
Nanticoke Creek	Main-2	4010	1000-year	118.9	191.41	194.11		194.16	0.000554	1.46	255.36	270.04	0.29
Nanticoke Creek	Main-2	4010	Hazel	223.8	191.41	194.96		194.99	0.000338	1.37	503.8	311.94	0.23
Nanticoke Creek	Main-2	3898	25-year	49.5	190.41	193.37		193.38	0.000151	0.75	127.84	178.1	0.15
Nanticoke Creek	Main-2	3898	50-year	61.4	190.41	193.55		193.56	0.000138	0.75	168.38	252.76	0.14
Nanticoke Creek	Main-2	3898	100-year	73.7	190.41	193.69		193.7	0.000133	0.76	205.11	266.32	0.14
Nanticoke Creek	Main-2	3898	200-year	86.7	190.41	193.82		193.84	0.000129	0.77	243.24	298.5	0.14
Nanticoke Creek	Main-2	3898	350-year	97.6	190.41	193.92		193.94	0.000126	0.78	273.62	304.73	0.14
Nanticoke Creek	Main-2	3898	500-year	104.7	190.41	194		194.01	0.00012	0.77	296.95	308.62	0.14
Nanticoke Creek	Main-2	3898	1000-year	118.9	190.41	194.11		194.13	0.000117	0.78	333.36	316.37	0.14
Nanticoke Creek	Main-2	3898	Hazel	223.8	190.41	194.96		194.97	0.000084	0.77	624.33	369.76	0.12
Nanticoke Creek	Main-2	3895	25-year	49.5	190.41	193.32	191.9	193.37	0.000359	1.13	54.74	171.8	0.23
Nanticoke Creek	Main-2	3895	50-year	61.4	190.41	193.54	192.07	193.56	0.00015	0.78	151.84	248.08	0.15

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-2	3895	100-year	73.7	190.41	193.69	192.24	193.7	0.000143	0.78	185.71	260.87	0.15
Nanticoke Creek	Main-2	3895	200-year	86.7	190.41	193.82	192.39	193.83	0.000136	0.79	219.99	286.79	0.15
Nanticoke Creek	Main-2	3895	350-year	97.6	190.41	193.92	192.5	193.93	0.000132	0.79	247.54	296.93	0.14
Nanticoke Creek	Main-2	3895	500-year	104.7	190.41	194	192.58	194.01	0.000125	0.78	268.74	303.56	0.14
Nanticoke Creek	Main-2	3895	1000-year	118.9	190.41	194.11	192.72	194.13	0.000121	0.79	301.76	308.18	0.14
Nanticoke Creek	Main-2	3895	Hazel	223.8	190.41	194.96	193.44	194.97	0.000077	0.73	604.33	366.67	0.12
Nanticoke Creek	Main-2	3881		Bridge									
Nanticoke Creek	Main-2	3867	25-year	49.5	190.25	193.3	191.65	193.34	0.000247	0.95	58.75	249.58	0.19
Nanticoke Creek	Main-2	3867	50-year	61.4	190.25	193.48	191.8	193.49	0.000063	0.5	203.12	268.95	0.1
Nanticoke Creek	Main-2	3867	100-year	73.7	190.25	193.62	191.95	193.63	0.000059	0.5	240.73	291.32	0.09
Nanticoke Creek	Main-2	3867	200-year	86.7	190.25	193.76	192.1	193.77	0.000054	0.5	283.38	314.88	0.09
Nanticoke Creek	Main-2	3867	350-year	97.6	190.25	193.87	192.2	193.88	0.000051	0.49	318.91	320.96	0.09
Nanticoke Creek	Main-2	3867	500-year	104.7	190.25	193.95	192.28	193.95	0.000048	0.49	341.43	324.03	0.09
Nanticoke Creek	Main-2	3867	1000-year	118.9	190.25	194.08	192.41	194.09	0.000045	0.48	384.91	330.19	0.08
Nanticoke Creek	Main-2	3867	Hazel	223.8	190.25	194.94	193.4	194.95	0.000031	0.46	686.32	372.21	0.07
Nanticoke Creek	Main-2	3861	25-year	49.5	190.25	193.32		193.33	0.000088	0.5	167.48	269.83	0.11
Nanticoke Creek	Main-2	3861	50-year	61.4	190.25	193.48		193.49	0.000079	0.5	212.83	280.25	0.1
Nanticoke Creek	Main-2	3861	100-year	73.7	190.25	193.62		193.63	0.000074	0.5	252.16	292.69	0.1
Nanticoke Creek	Main-2	3861	200-year	86.7	190.25	193.76		193.77	0.000069	0.5	294.7	313.1	0.1
Nanticoke Creek	Main-2	3861	350-year	97.6	190.25	193.87		193.88	0.000065	0.5	330.38	318.62	0.1
Nanticoke Creek	Main-2	3861	500-year	104.7	190.25	193.94		193.95	0.000062	0.5	353.05	322.05	0.1
Nanticoke Creek	Main-2	3861	1000-year	118.9	190.25	194.08		194.09	0.000059	0.5	397.02	329.3	0.09
Nanticoke Creek	Main-2	3861	Hazel	223.8	190.25	194.94		194.95	0.000043	0.51	694.52	357.53	0.08
Nanticoke Creek	Main-2	3763	25-year	49.5	191.38	193.31		193.32	0.000109	0.53	180.94	228.14	0.12
Nanticoke Creek	Main-2	3763	50-year	61.4	191.38	193.48		193.48	0.000105	0.55	219.2	236.13	0.12
Nanticoke Creek	Main-2	3763	100-year	73.7	191.38	193.61		193.62	0.000108	0.59	252.58	254.07	0.13
Nanticoke Creek	Main-2	3763	200-year	86.7	191.38	193.75		193.76	0.000107	0.61	288.67	262.4	0.13
Nanticoke Creek	Main-2	3763	350-year	97.6	191.38	193.87		193.88	0.000106	0.62	318.76	269.84	0.13
Nanticoke Creek	Main-2	3763	500-year	104.7	191.38	193.94		193.95	0.000105	0.63	337.98	273.28	0.13
Nanticoke Creek	Main-2	3763	1000-year	118.9	191.38	194.07		194.08	0.000104	0.65	375.51	282.94	0.13
Nanticoke Creek	Main-2	3763	Hazel	223.8	191.38	194.94		194.95	0.000089	0.73	631.75	309.79	0.12
Nanticoke Creek	Main-2	3634	25-year	49.5	191.38	193.29		193.31	0.00022	0.75	126.18	150.48	0.17
Nanticoke Creek	Main-2	3634	50-year	61.4	191.38	193.45		193.47	0.000222	0.79	151.81	159.78	0.18
Nanticoke Creek	Main-2	3634	100-year	73.7	191.38	193.59		193.61	0.000231	0.84	173.83	164.22	0.18
Nanticoke Creek	Main-2	3634	200-year	86.7	191.38	193.73		193.75	0.000234	0.88	196.91	168.91	0.19
Nanticoke Creek	Main-2	3634	350-year	97.6	191.38	193.84		193.86	0.000236	0.92	216.24	176.64	0.19
Nanticoke Creek	Main-2	3634	500-year	104.7	191.38	193.91		193.93	0.000239	0.94	228.77	182.33	0.19
Nanticoke Creek	Main-2	3634	1000-year	118.9	191.38	194.04		194.07	0.000241	0.98	253.95	191.65	0.19
Nanticoke Creek	Main-2	3634	Hazel	223.8	191.38	194.91		194.93	0.000214	1.11	435.44	223.96	0.19
Nanticoke Creek	Main-2	3489	25-year	49.5	191.38	193.23		193.27	0.000365	0.94	97.56	121.55	0.22
Nanticoke Creek	Main-2	3489	50-year	61.4	191.38	193.39		193.43	0.000374	1	117.83	127.66	0.23
Nanticoke Creek	Main-2	3489	100-year	73.7	191.38	193.53		193.57	0.000398	1.08	135.04	133.04	0.24
Nanticoke Creek	Main-2	3489	200-year	86.7	191.38	193.66		193.71	0.000409	1.14	153.5	137.91	0.24
Nanticoke Creek	Main-2	3489	350-year	97.6	191.38	193.77		193.82	0.00041	1.18	169.06	140.42	0.25
Nanticoke Creek	Main-2	3489	500-year	104.7	191.38	193.84		193.89	0.000411	1.21	178.87	142.01	0.25
Nanticoke Creek	Main-2	3489	1000-year	118.9	191.38	193.98		194.03	0.000411	1.25	198	144.81	0.25
Nanticoke Creek	Main-2	3489	Hazel	223.8	191.38	194.84		194.9	0.000386	1.47	330.65	163.73	0.25
Nanticoke Creek	Main-2	3372	25-year	49.5	191.38	193.19		193.22	0.000332	0.9	108.19	123.11	0.21
Nanticoke Creek	Main-2	3372	50-year	61.4	191.38	193.35		193.39	0.000347	0.97	128.57	132.22	0.22
Nanticoke Creek	Main-2	3372	100-year	73.7	191.38	193.48		193.52	0.000373	1.05	145.97	137.97	0.23
Nanticoke Creek	Main-2	3372	200-year	86.7	191.38	193.62		193.66	0.000384	1.11	164.91	142.53	0.24
Nanticoke Creek	Main-2	3372	350-year	97.6	191.38	193.73		193.77	0.000389	1.15	180.99	147.39	0.24
Nanticoke Creek	Main-2	3372	500-year	104.7	191.38	193.8		193.84	0.00039	1.18	191.29	150	0.24
Nanticoke Creek	Main-2	3372	1000-year	118.9	191.38	193.93		193.98	0.000391	1.22	211.64	155.73	0.25
Nanticoke Creek	Main-2	3372	Hazel	223.8	191.38	194.8		194.85	0.000348	1.4	382.52	270.16	0.24
Nanticoke Creek	Main-2	3258	25-year	49.5	191.37	193.16		193.18	0.000343	0.91	163.88	210.85	0.22
Nanticoke Creek	Main-2	3258	50-year	61.4	191.37	193.33		193.34	0.00034	0.96	198.76	222.46	0.22

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-2	3258	100-year	73.7	191.37	193.45		193.47	0.000337	1	227.6	225.81	0.22
Nanticoke Creek	Main-2	3258	200-year	86.7	191.37	193.59		193.61	0.000324	1.02	258.58	228.83	0.22
Nanticoke Creek	Main-2	3258	350-year	97.6	191.37	193.7		193.72	0.000312	1.04	284.46	231.62	0.22
Nanticoke Creek	Main-2	3258	500-year	104.7	191.37	193.77		193.79	0.000305	1.04	300.75	233.04	0.22
Nanticoke Creek	Main-2	3258	1000-year	118.9	191.37	193.91		193.92	0.000293	1.06	332.36	235.9	0.21
Nanticoke Creek	Main-2	3258	Hazel	223.8	191.37	194.78		194.8	0.000236	1.16	549.53	279.17	0.2
Nanticoke Creek	Main-2	3257	25-year	49.5	191.37	193.14		193.16	0.000288	0.82	101.67	107.86	0.2
Nanticoke Creek	Main-2	3257	50-year	61.4	191.37	193.3		193.32	0.000303	0.89	119.09	116.42	0.21
Nanticoke Creek	Main-2	3257	100-year	73.7	191.37	193.42		193.45	0.000335	0.98	134.16	126.54	0.22
Nanticoke Creek	Main-2	3257	200-year	86.7	191.37	193.56		193.59	0.000352	1.05	151.56	133.58	0.23
Nanticoke Creek	Main-2	3257	350-year	97.6	191.37	193.67		193.7	0.000356	1.09	166.45	136.04	0.23
Nanticoke Creek	Main-2	3257	500-year	104.7	191.37	193.73		193.77	0.000359	1.11	175.89	137.84	0.23
Nanticoke Creek	Main-2	3257	1000-year	118.9	191.37	193.87		193.9	0.000363	1.16	194.47	142.82	0.24
Nanticoke Creek	Main-2	3257	Hazel	223.8	191.37	194.74		194.78	0.000348	1.39	331.24	172.85	0.24
Nanticoke Creek	Main-2	3253	25-year	49.5	191.37	193.13	192.28	193.16	0.000366	0.92	72.41	107.94	0.22
Nanticoke Creek	Main-2	3253	50-year	61.4	191.37	193.28	192.39	193.32	0.000398	1.01	81.44	111.95	0.24
Nanticoke Creek	Main-2	3253	100-year	73.7	191.37	193.4	192.47	193.44	0.000447	1.12	89.21	123.92	0.25
Nanticoke Creek	Main-2	3253	200-year	86.7	191.37	193.52	192.55	193.58	0.00049	1.22	98.37	129.2	0.27
Nanticoke Creek	Main-2	3253	350-year	97.6	191.37	193.63	192.61	193.69	0.000508	1.28	106.58	136.18	0.27
Nanticoke Creek	Main-2	3253	500-year	104.7	191.37	193.7	192.65	193.76	0.000519	1.32	112.02	139.94	0.28
Nanticoke Creek	Main-2	3253	1000-year	118.9	191.37	193.82	192.72	193.89	0.000534	1.39	122.88	149.07	0.28
Nanticoke Creek	Main-2	3253	Hazel	223.8	191.37	194.66	193.16	194.76	0.000547	1.71	194.6	173.44	0.3
Nanticoke Creek	Main-2	3218		Bridge									
Nanticoke Creek	Main-2	3188	25-year	49.5	191.37	193.07	192.04	193.09	0.000221	0.7	83.51	110.19	0.17
Nanticoke Creek	Main-2	3188	50-year	61.4	191.37	193.2	192.12	193.23	0.000245	0.78	95.04	124.36	0.18
Nanticoke Creek	Main-2	3188	100-year	73.7	191.37	193.3	192.2	193.33	0.000284	0.86	103.17	130.36	0.2
Nanticoke Creek	Main-2	3188	200-year	86.7	191.37	193.4	192.33	193.44	0.000315	0.94	111.87	131.83	0.21
Nanticoke Creek	Main-2	3188	350-year	97.6	191.37	193.48	192.39	193.53	0.000335	1	119.12	137.68	0.22
Nanticoke Creek	Main-2	3188	500-year	104.7	191.37	193.54	192.44	193.58	0.000348	1.04	123.5	139.69	0.23
Nanticoke Creek	Main-2	3188	1000-year	118.9	191.37	193.63	192.5	193.68	0.000373	1.1	131.73	141.3	0.24
Nanticoke Creek	Main-2	3188	Hazel	223.8	191.37	194.16	192.92	194.26	0.000553	1.55	176.83	154.19	0.3
Nanticoke Creek	Main-2	3182	25-year	49.5	191.37	193.07		193.08	0.000209	0.68	96.65	169.25	0.17
Nanticoke Creek	Main-2	3182	50-year	61.4	191.37	193.2		193.22	0.000224	0.74	121.76	194.78	0.18
Nanticoke Creek	Main-2	3182	100-year	73.7	191.37	193.3		193.32	0.000249	0.81	140.9	201.15	0.19
Nanticoke Creek	Main-2	3182	200-year	86.7	191.37	193.4		193.43	0.000264	0.86	162.18	210	0.19
Nanticoke Creek	Main-2	3182	350-year	97.6	191.37	193.49		193.52	0.00027	0.9	180.52	213.94	0.2
Nanticoke Creek	Main-2	3182	500-year	104.7	191.37	193.54		193.57	0.000274	0.92	191.79	216.37	0.2
Nanticoke Creek	Main-2	3182	1000-year	118.9	191.37	193.64		193.67	0.000282	0.96	213.39	222.75	0.2
Nanticoke Creek	Main-2	3182	Hazel	223.8	191.37	194.19		194.23	0.000337	1.21	346.85	264.09	0.23
Nanticoke Creek	Main-2	3118	25-year	52.5	191.37	193.02	192.09	193.06	0.000469	1	67.6	248.81	0.25
Nanticoke Creek	Main-2	3118	50-year	64.8	191.37	193.14	192.19	193.2	0.000534	1.12	77.14	274.2	0.27
Nanticoke Creek	Main-2	3118	100-year	77.6	191.37	193.27	192.3	193.31	0.000337	0.93	174.05	281.81	0.22
Nanticoke Creek	Main-2	3118	200-year	91.1	191.37	193.38	192.42	193.41	0.000326	0.95	204.38	283.98	0.21
Nanticoke Creek	Main-2	3118	350-year	102.3	191.37	193.47	192.5	193.5	0.000312	0.96	229.87	286.66	0.21
Nanticoke Creek	Main-2	3118	500-year	109.7	191.37	193.52	192.56	193.55	0.000307	0.96	245.19	287.95	0.21
Nanticoke Creek	Main-2	3118	1000-year	124.3	191.37	193.62	192.68	193.65	0.000298	0.98	274.11	289.87	0.21
Nanticoke Creek	Main-2	3118	Hazel	223.9	191.37	194.18	193.24	194.21	0.000273	1.09	438.45	303.06	0.21
Nanticoke Creek	Main-2	3027	25-year	52.5	191.37	192.99		193.02	0.000419	0.92	90.44	158.06	0.23
Nanticoke Creek	Main-2	3027	50-year	64.8	191.37	193.12		193.15	0.000425	0.98	114.74	212.49	0.24
Nanticoke Creek	Main-2	3027	100-year	77.6	191.37	193.24		193.27	0.000419	1.02	143.43	245.38	0.24
Nanticoke Creek	Main-2	3027	200-year	91.1	191.37	193.35		193.38	0.000411	1.05	170.32	253.26	0.24
Nanticoke Creek	Main-2	3027	350-year	102.3	191.37	193.44		193.47	0.000397	1.06	193.41	257.24	0.24
Nanticoke Creek	Main-2	3027	500-year	109.7	191.37	193.49		193.52	0.000389	1.07	207.32	258.06	0.24
Nanticoke Creek	Main-2	3027	1000-year	124.3	191.37	193.59		193.62	0.000376	1.08	233.49	259.57	0.23
Nanticoke Creek	Main-2	3027	Hazel	223.9	191.37	194.15		194.18	0.000338	1.2	380.85	270.14	0.23
Nanticoke Creek	Main-2	2912	25-year	52.5	191.32	192.94	192.23	192.97	0.000422	0.93	95.94	141.09	0.23
Nanticoke Creek	Main-2	2912	50-year	64.8	191.32	193.07	192.35	193.1	0.000448	1.01	112.27	156.94	0.24

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-2	2912	100-year	77.6	191.32	193.19	192.44	193.23	0.000462	1.07	128.19	182.86	0.25
Nanticoke Creek	Main-2	2912	200-year	91.1	191.32	193.3	192.56	193.34	0.00043	1.07	167.23	200.55	0.25
Nanticoke Creek	Main-2	2912	350-year	102.3	191.32	193.39	192.62	193.43	0.000438	1.12	185.9	220.03	0.25
Nanticoke Creek	Main-2	2912	500-year	109.7	191.32	193.44	192.65	193.48	0.000441	1.14	197.84	228.65	0.25
Nanticoke Creek	Main-2	2912	1000-year	124.3	191.32	193.54	192.71	193.58	0.000443	1.18	221	232.55	0.25
Nanticoke Creek	Main-2	2912	Hazel	223.9	191.32	194.1	193.03	194.14	0.000444	1.37	353.03	243.87	0.26
Nanticoke Creek	Main-2	2782	25-year	52.5	191.27	192.9		192.92	0.000364	0.84	120.83	158.75	0.22
Nanticoke Creek	Main-2	2782	50-year	64.8	191.27	193.03		193.05	0.000376	0.9	140.83	160.37	0.22
Nanticoke Creek	Main-2	2782	100-year	77.6	191.27	193.15		193.17	0.000388	0.96	159.97	162.95	0.23
Nanticoke Creek	Main-2	2782	200-year	91.1	191.27	193.26		193.28	0.000402	1.02	178.04	164.23	0.24
Nanticoke Creek	Main-2	2782	350-year	102.3	191.27	193.34		193.37	0.00041	1.06	192.44	164.85	0.24
Nanticoke Creek	Main-2	2782	500-year	109.7	191.27	193.4		193.42	0.000421	1.09	201.07	167.78	0.24
Nanticoke Creek	Main-2	2782	1000-year	124.3	191.27	193.49		193.53	0.000434	1.14	217.65	168.34	0.25
Nanticoke Creek	Main-2	2782	Hazel	223.9	191.27	194.04		194.08	0.000521	1.46	310.78	180.5	0.28
Nanticoke Creek	Main-2	2629	25-year	52.5	191.24	192.81		192.85	0.000558	1.06	96.67	156.57	0.27
Nanticoke Creek	Main-2	2629	50-year	64.8	191.24	192.94		192.98	0.000563	1.12	116.43	161.63	0.28
Nanticoke Creek	Main-2	2629	100-year	77.6	191.24	193.06		193.1	0.000567	1.17	135.88	168.31	0.28
Nanticoke Creek	Main-2	2629	200-year	91.1	191.24	193.16		193.21	0.000577	1.23	154.49	174.11	0.28
Nanticoke Creek	Main-2	2629	350-year	102.3	191.24	193.25		193.29	0.000577	1.27	169.94	178.21	0.29
Nanticoke Creek	Main-2	2629	500-year	109.7	191.24	193.3		193.35	0.000583	1.3	179.06	180.15	0.29
Nanticoke Creek	Main-2	2629	1000-year	124.3	191.24	193.4		193.45	0.000589	1.35	196.83	183.46	0.29
Nanticoke Creek	Main-2	2629	Hazel	223.9	191.24	193.93		193.99	0.000679	1.67	302.42	227.94	0.33
Nanticoke Creek	Main-2	2492	25-year	52.5	191.06	192.63		192.73	0.00157	1.76	73.57	115.11	0.45
Nanticoke Creek	Main-2	2492	50-year	64.8	191.06	192.76		192.86	0.001592	1.86	87.88	120.69	0.46
Nanticoke Creek	Main-2	2492	100-year	77.6	191.06	192.87		192.98	0.001655	1.98	101.74	130.3	0.47
Nanticoke Creek	Main-2	2492	200-year	91.1	191.06	192.97		193.09	0.001653	2.06	116.21	138.79	0.48
Nanticoke Creek	Main-2	2492	350-year	102.3	191.06	193.06		193.18	0.001686	2.14	127.85	142.6	0.49
Nanticoke Creek	Main-2	2492	500-year	109.7	191.06	193.11		193.23	0.0017	2.18	134.92	146.91	0.49
Nanticoke Creek	Main-2	2492	1000-year	124.3	191.06	193.2		193.33	0.001701	2.25	149.72	158.81	0.49
Nanticoke Creek	Main-2	2492	Hazel	223.9	191.06	193.72		193.86	0.001758	2.65	238.08	181.35	0.52
Nanticoke Creek	Main-2	2390	25-year	52.5	191.04	192.53		192.6	0.001008	1.37	77.94	114.7	0.36
Nanticoke Creek	Main-2	2390	50-year	64.8	191.04	192.64		192.72	0.001093	1.5	90.94	120.4	0.38
Nanticoke Creek	Main-2	2390	100-year	77.6	191.04	192.74		192.83	0.001173	1.62	103.38	125.86	0.4
Nanticoke Creek	Main-2	2390	200-year	91.1	191.04	192.84		192.94	0.001222	1.72	116.4	129.91	0.41
Nanticoke Creek	Main-2	2390	350-year	102.3	191.04	192.92		193.02	0.001267	1.8	126.6	134.31	0.42
Nanticoke Creek	Main-2	2390	500-year	109.7	191.04	192.96		193.07	0.001302	1.85	132.6	136.05	0.43
Nanticoke Creek	Main-2	2390	1000-year	124.3	191.04	193.06		193.17	0.001336	1.93	145.26	139.21	0.44
Nanticoke Creek	Main-2	2390	Hazel	223.9	191.04	193.52		193.69	0.001605	2.44	213.57	151.27	0.5
Nanticoke Creek	Main-2	2301	25-year	52.5	190.95	192.35		192.51	0.003008	2.28	56.68	97.82	0.62
Nanticoke Creek	Main-2	2301	50-year	64.8	190.95	192.45		192.63	0.00317	2.45	66.84	104.36	0.64
Nanticoke Creek	Main-2	2301	100-year	77.6	190.95	192.55		192.73	0.003232	2.58	77.31	112.84	0.65
Nanticoke Creek	Main-2	2301	200-year	91.1	190.95	192.64		192.84	0.003351	2.73	88.17	124.45	0.67
Nanticoke Creek	Main-2	2301	350-year	102.3	190.95	192.71		192.92	0.003425	2.83	97.56	141.19	0.68
Nanticoke Creek	Main-2	2301	500-year	109.7	190.95	192.76		192.97	0.003381	2.87	104.7	149.42	0.68
Nanticoke Creek	Main-2	2301	1000-year	124.3	190.95	192.85		193.07	0.003434	2.98	117.97	159.33	0.69
Nanticoke Creek	Main-2	2301	Hazel	223.9	190.95	193.4		193.59	0.00262	3.09	215.79	198.09	0.63
Nanticoke Creek	Main-2	2300	25-year	52.5	190.89	192.28		192.4	0.002186	1.9	62.21	101.39	0.52
Nanticoke Creek	Main-2	2300	50-year	64.8	190.89	192.37		192.51	0.002311	2.05	72.26	102.41	0.54
Nanticoke Creek	Main-2	2300	100-year	77.6	190.89	192.47		192.61	0.002425	2.18	81.76	103.54	0.56
Nanticoke Creek	Main-2	2300	200-year	91.1	190.89	192.56		192.71	0.002532	2.32	91.02	104.73	0.58
Nanticoke Creek	Main-2	2300	350-year	102.3	190.89	192.62		192.79	0.002614	2.42	98.25	106.6	0.59
Nanticoke Creek	Main-2	2300	500-year	109.7	190.89	192.67		192.84	0.002684	2.49	102.93	108.18	0.6
Nanticoke Creek	Main-2	2300	1000-year	124.3	190.89	192.75		192.94	0.002777	2.61	111.73	109.7	0.62
Nanticoke Creek	Main-2	2300	Hazel	223.9	190.89	193.22		193.47	0.003095	3.21	164.43	115.36	0.68
Nanticoke Creek	Main-2	2200	25-year	52.5	190.86	192.09		192.19	0.002562	1.9	63.16	100.2	0.55
Nanticoke Creek	Main-2	2200	50-year	64.8	190.86	192.17		192.3	0.002776	2.07	71.8	101.03	0.58
Nanticoke Creek	Main-2	2200	100-year	77.6	190.86	192.25		192.39	0.002966	2.22	80.01	101.8	0.61
Nanticoke Creek	Main-2	2200	200-year	91.1	190.86	192.33		192.48	0.003145	2.38	87.99	102.75	0.63

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-2	2200	350-year	102.3	190.86	192.39		192.56	0.003266	2.49	94.27	103.27	0.65
Nanticoke Creek	Main-2	2200	500-year	109.7	190.86	192.43		192.6	0.003324	2.55	98.43	103.69	0.65
Nanticoke Creek	Main-2	2200	1000-year	124.3	190.86	192.5		192.69	0.003471	2.69	105.85	104.39	0.67
Nanticoke Creek	Main-2	2200	Hazel	223.9	190.86	192.91		193.19	0.004239	3.45	149.26	111.52	0.77
Nanticoke Creek	Main-2	2100	25-year	52.5	190.62	191.77		191.92	0.004127	2.31	59.75	122.11	0.69
Nanticoke Creek	Main-2	2100	50-year	64.8	190.62	191.86		192.01	0.004127	2.43	70.46	123.39	0.7
Nanticoke Creek	Main-2	2100	100-year	77.6	190.62	191.94		192.1	0.004151	2.55	80.56	124.83	0.71
Nanticoke Creek	Main-2	2100	200-year	91.1	190.62	192.03		192.19	0.00407	2.63	91.32	126.23	0.71
Nanticoke Creek	Main-2	2100	350-year	102.3	190.62	192.08		192.25	0.00421	2.74	98.05	127.09	0.73
Nanticoke Creek	Main-2	2100	500-year	109.7	190.62	192.12		192.29	0.004281	2.81	102.66	127.95	0.74
Nanticoke Creek	Main-2	2100	1000-year	124.3	190.62	192.18		192.37	0.004422	2.94	110.82	128.62	0.76
Nanticoke Creek	Main-2	2100	Hazel	223.9	190.62	192.54		192.8	0.005223	3.67	157.63	134.36	0.85
Nanticoke Creek	Main-2	1991	25-year	52.5	190.39	191.47		191.56	0.002573	1.52	64.46	156.55	0.52
Nanticoke Creek	Main-2	1991	50-year	64.8	190.39	191.56		191.65	0.002538	1.61	79.13	175.75	0.53
Nanticoke Creek	Main-2	1991	100-year	77.6	190.39	191.65		191.74	0.002455	1.68	95.18	194.52	0.53
Nanticoke Creek	Main-2	1991	200-year	91.1	190.39	191.73		191.83	0.002512	1.79	110.85	197.66	0.54
Nanticoke Creek	Main-2	1991	350-year	102.3	190.39	191.79		191.9	0.00241	1.81	123.5	201.57	0.53
Nanticoke Creek	Main-2	1991	500-year	109.7	190.39	191.83		191.93	0.00242	1.85	130.59	202.62	0.54
Nanticoke Creek	Main-2	1991	1000-year	124.3	190.39	191.89		192	0.002434	1.92	143.32	204.03	0.54
Nanticoke Creek	Main-2	1991	Hazel	223.9	190.39	192.25		192.39	0.002433	2.27	219.82	211.77	0.57
Nanticoke Creek	Main-2	1828	25-year	52.5	189.69	190.93	190.86	191.08	0.00371	2.27	67.01	162.5	0.66
Nanticoke Creek	Main-2	1828	50-year	64.8	189.69	190.98	190.98	191.15	0.004238	2.49	75.62	163.49	0.71
Nanticoke Creek	Main-2	1828	100-year	77.6	189.69	191.02	191.02	191.22	0.004938	2.75	82.22	164.17	0.78
Nanticoke Creek	Main-2	1828	200-year	91.1	189.69	191.08	191.08	191.28	0.005286	2.92	90.73	164.72	0.81
Nanticoke Creek	Main-2	1828	350-year	102.3	189.69	191.1	191.1	191.34	0.005914	3.13	95.03	165.3	0.86
Nanticoke Creek	Main-2	1828	500-year	109.7	189.69	191.13	191.13	191.37	0.006012	3.2	99.7	166.3	0.87
Nanticoke Creek	Main-2	1828	1000-year	124.3	189.69	191.18	191.18	191.43	0.006178	3.32	108.4	167.45	0.88
Nanticoke Creek	Main-2	1828	Hazel	223.9	189.69	191.44	191.44	191.78	0.007758	4.16	152.21	171.17	1.02
Nanticoke Creek	Main-2	1696	25-year	52.5	189.28	190.2	190.16	190.34	0.007348	2.61	55.98	216.72	0.89
Nanticoke Creek	Main-2	1696	50-year	64.8	189.28	190.23	190.23	190.26	0.002273	1.49	123.19	218.06	0.5
Nanticoke Creek	Main-2	1696	100-year	77.6	189.28	190.24	190.23	190.28	0.003104	1.75	125.19	218.35	0.58
Nanticoke Creek	Main-2	1696	200-year	91.1	189.28	190.31	190.23	190.35	0.003005	1.8	140.35	219.22	0.58
Nanticoke Creek	Main-2	1696	350-year	102.3	189.28	190.32	190.23	190.37	0.003693	2.01	141.51	219.28	0.64
Nanticoke Creek	Main-2	1696	500-year	109.7	189.28	190.34	190.23	190.39	0.003791	2.07	146.73	219.57	0.65
Nanticoke Creek	Main-2	1696	1000-year	124.3	189.28	190.38	190.23	190.44	0.004035	2.19	155.79	220.16	0.68
Nanticoke Creek	Main-2	1696	Hazel	223.9	189.28	190.76	190.3	190.83	0.00336	2.44	239.29	224.33	0.65
Nanticoke Creek	Main-2	1493	25-year	52.5	188.43	189.2	189.2	189.25	0.005649	2.07	85.99	244.79	0.76
Nanticoke Creek	Main-2	1493	50-year	64.8	188.43	189.31	189.2	189.35	0.003799	1.86	112.92	248.07	0.64
Nanticoke Creek	Main-2	1493	100-year	77.6	188.43	189.2	189.2	189.31	0.012342	3.06	85.99	244.79	1.12
Nanticoke Creek	Main-2	1493	200-year	91.1	188.43	189.22	189.22	189.35	0.01475	3.4	90.17	245.36	1.23
Nanticoke Creek	Main-2	1493	350-year	102.3	188.43	189.32	189.24	189.41	0.009034	2.88	114.62	248.17	0.98
Nanticoke Creek	Main-2	1493	500-year	109.7	188.43	189.34	189.25	189.43	0.00882	2.9	120.77	248.55	0.98
Nanticoke Creek	Main-2	1493	1000-year	124.3	188.43	189.4	189.29	189.48	0.008093	2.89	134.4	249.37	0.95
Nanticoke Creek	Main-2	1493	Hazel	223.9	188.43	189.45	189.44	189.67	0.019677	4.67	147.22	249.99	1.49
Nanticoke Creek	Main-2	1358	25-year	52.5	187.29	188.21	188.12	188.37	0.005344	2.26	59.86	233.25	0.76
Nanticoke Creek	Main-2	1358	50-year	64.8	187.29	188.12	188.12	188.51	0.013997	3.4	44.26	188.19	1.21
Nanticoke Creek	Main-2	1358	100-year	77.6	187.29	188.32	188.3	188.45	0.004634	2.27	100.16	263.06	0.72
Nanticoke Creek	Main-2	1358	200-year	91.1	187.29	188.39	188.34	188.51	0.004196	2.26	118.9	273.15	0.7
Nanticoke Creek	Main-2	1358	350-year	102.3	187.29	188.37	188.37	188.54	0.006167	2.7	111.73	270.16	0.84
Nanticoke Creek	Main-2	1358	500-year	109.7	187.29	188.39	188.39	188.56	0.006319	2.76	117.13	272.58	0.85
Nanticoke Creek	Main-2	1358	1000-year	124.3	187.29	188.42	188.42	188.61	0.006787	2.92	125.68	276.14	0.89
Nanticoke Creek	Main-2	1358	Hazel	223.9	187.29	188.96	188.63	189.04	0.002331	2.23	284.09	300.2	0.56
Nanticoke Creek	Main-2	1253	25-year	52.5	186.72	187.58	187.58	187.72	0.006568	2.37	64.11	203.3	0.83
Nanticoke Creek	Main-2	1253	50-year	64.8	186.72	187.62	187.62	187.78	0.0073	2.59	72.93	212.28	0.88
Nanticoke Creek	Main-2	1253	100-year	77.6	186.72	187.68	187.68	187.84	0.006963	2.65	87.55	260.22	0.87
Nanticoke Creek	Main-2	1253	200-year	91.1	186.72	187.71	187.71	187.89	0.008006	2.89	95.2	278.15	0.94
Nanticoke Creek	Main-2	1253	350-year	102.3	186.72	187.86		187.96	0.004217	2.31	141.22	323.61	0.7
Nanticoke Creek	Main-2	1253	500-year	109.7	186.72	188.13		188.16	0.001363	1.52	231.42	347.74	0.41

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-2	1253	1000-year	124.3	186.72	188.2		188.23	0.001294	1.53	256.43	351.66	0.4
Nanticoke Creek	Main-2	1253	Hazel	223.9	186.72	188.9		188.91	0.000513	1.25	505.63	362.32	0.27
Nanticoke Creek	Main-2	1142	25-year	52.5	186.2	187.29		187.33	0.001493	1.32	129.49	301.19	0.41
Nanticoke Creek	Main-2	1142	50-year	64.8	186.2	187.37		187.41	0.001404	1.34	153.95	305.68	0.4
Nanticoke Creek	Main-2	1142	100-year	77.6	186.2	187.42		187.45	0.001581	1.46	167.54	307.72	0.43
Nanticoke Creek	Main-2	1142	200-year	91.1	186.2	187.61		187.63	0.000887	1.21	227.4	314.51	0.33
Nanticoke Creek	Main-2	1142	350-year	102.3	186.2	187.8		187.82	0.000543	1.03	287.99	317.48	0.26
Nanticoke Creek	Main-2	1142	500-year	109.7	186.2	188.1		188.11	0.00026	0.8	382.35	322.89	0.19
Nanticoke Creek	Main-2	1142	1000-year	124.3	186.2	188.17		188.18	0.000279	0.85	404.54	323.9	0.2
Nanticoke Creek	Main-2	1142	Hazel	223.9	186.2	188.87		188.88	0.000217	0.93	636.55	333.28	0.18
Nanticoke Creek	Main-2	1000	25-year	52.5	185.94	186.91	186.91	187.05	0.004657	2.17	70.34	230.91	0.71
Nanticoke Creek	Main-2	1000	50-year	64.8	185.94	186.93	186.93	187.11	0.006018	2.51	75.73	237.48	0.81
Nanticoke Creek	Main-2	1000	100-year	77.6	185.94	187.27		187.31	0.001342	1.44	162.37	271.36	0.4
Nanticoke Creek	Main-2	1000	200-year	91.1	185.94	187.54		187.56	0.000612	1.11	237.72	277.83	0.28
Nanticoke Creek	Main-2	1000	350-year	102.3	185.94	187.76		187.77	0.000388	0.96	299.09	282.32	0.23
Nanticoke Creek	Main-2	1000	500-year	109.7	185.94	188.08		188.08	0.000198	0.77	389.12	286.04	0.17
Nanticoke Creek	Main-2	1000	1000-year	124.3	185.94	188.14		188.15	0.000219	0.82	408.16	286.8	0.18
Nanticoke Creek	Main-2	1000	Hazel	223.9	185.94	188.85		188.86	0.000199	0.94	614.57	296.08	0.18
Nanticoke Creek	Main-1	5096	25-year	54	185.02	186.67		186.68	0.000322	0.81	182.76	286.1	0.21
Nanticoke Creek	Main-1	5096	50-year	66.5	185.02	186.95		186.96	0.000187	0.69	266.08	294.72	0.16
Nanticoke Creek	Main-1	5096	100-year	79.6	185.02	187.24		187.25	0.000124	0.62	351.56	302.22	0.13
Nanticoke Creek	Main-1	5096	200-year	93.3	185.02	187.52		187.52	0.000091	0.58	436.55	307.61	0.12
Nanticoke Creek	Main-1	5096	350-year	104.8	185.02	187.74		187.75	0.000074	0.55	505.41	310.24	0.11
Nanticoke Creek	Main-1	5096	500-year	112.2	185.02	188.06		188.07	0.00005	0.49	606.93	317.72	0.09
Nanticoke Creek	Main-1	5096	1000-year	127.1	185.02	188.13		188.13	0.000058	0.53	627.54	319.31	0.1
Nanticoke Creek	Main-1	5096	Hazel	227.4	185.02	188.83		188.84	0.000071	0.68	855.83	326.08	0.11
Nanticoke Creek	Main-1	4997	25-year	54	184.7	186.66		186.66	0.000084	0.48	337.48	415.11	0.11
Nanticoke Creek	Main-1	4997	50-year	66.5	184.7	186.95		186.95	0.000054	0.42	459.4	427.46	0.09
Nanticoke Creek	Main-1	4997	100-year	79.6	184.7	187.24		187.24	0.000039	0.38	583.11	431.26	0.08
Nanticoke Creek	Main-1	4997	200-year	93.3	184.7	187.52		187.52	0.00003	0.36	705.12	441.1	0.07
Nanticoke Creek	Main-1	4997	350-year	104.8	184.7	187.74		187.74	0.000026	0.35	804.47	448.32	0.06
Nanticoke Creek	Main-1	4997	500-year	112.2	184.7	188.06		188.06	0.000017	0.31	953.57	463.35	0.05
Nanticoke Creek	Main-1	4997	1000-year	127.1	184.7	188.13		188.13	0.00002	0.34	983.59	466.96	0.06
Nanticoke Creek	Main-1	4997	Hazel	227.4	184.7	188.83		188.84	0.000026	0.44	1318.44	480.42	0.07
Nanticoke Creek	Main-1	4995	25-year	54	184.23	186.61	185.29	186.65	0.000428	0.96	67.89	410.42	0.21
Nanticoke Creek	Main-1	4995	50-year	66.5	184.23	186.89	185.42	186.94	0.000397	1.01	80.42	429.8	0.21
Nanticoke Creek	Main-1	4995	100-year	79.6	184.23	187.18	185.54	187.22	0.00037	1.05	92.9	444.75	0.2
Nanticoke Creek	Main-1	4995	200-year	93.3	184.23	187.45	185.67	187.5	0.00035	1.08	105	454.68	0.2
Nanticoke Creek	Main-1	4995	350-year	104.8	184.23	187.67	185.8	187.73	0.000337	1.11	114.67	461.5	0.2
Nanticoke Creek	Main-1	4995	500-year	112.2	184.23	188	185.91	188.05	0.000266	1.06	129.21	471.63	0.18
Nanticoke Creek	Main-1	4995	1000-year	127.1	184.23	188.05	186.03	188.11	0.000324	1.18	131.4	474.92	0.2
Nanticoke Creek	Main-1	4995	Hazel	227.4	184.23	188.83	186.59	188.84	0.000017	0.3	1337.04	489.5	0.05
Nanticoke Creek	Main-1	4974		Bridge									
Nanticoke Creek	Main-1	4944	25-year	54	184.24	185.96	185.89	186.3	0.005544	2.94	31.05	428.27	0.81
Nanticoke Creek	Main-1	4944	50-year	66.5	184.24	186.05	186.05	186.46	0.006325	3.28	35.05	441.24	0.87
Nanticoke Creek	Main-1	4944	100-year	79.6	184.24	186.17	186.17	186.62	0.006415	3.49	40.29	468.14	0.89
Nanticoke Creek	Main-1	4944	200-year	93.3	184.24	186.28	186.28	186.77	0.00652	3.68	45.25	479.64	0.91
Nanticoke Creek	Main-1	4944	350-year	104.8	184.24	186.36	186.36	186.89	0.006704	3.86	48.86	480.71	0.93
Nanticoke Creek	Main-1	4944	500-year	112.2	184.24	186.42	186.42	186.97	0.006726	3.94	51.32	481.4	0.94
Nanticoke Creek	Main-1	4944	1000-year	127.1	184.24	186.51	186.51	187.11	0.006988	4.16	55.4	482.37	0.96
Nanticoke Creek	Main-1	4944	Hazel	227.4	184.24	187.09	187.09	187.94	0.007447	5.13	81.08	505.62	1.04
Nanticoke Creek	Main-1	4938	25-year	54	184.15	186.08	185.83	186.15	0.001239	1.63	109.05	437.63	0.4
Nanticoke Creek	Main-1	4938	50-year	66.5	184.15	186.17	185.98	186.24	0.001249	1.7	132.17	453.71	0.41
Nanticoke Creek	Main-1	4938	100-year	79.6	184.15	186.25	186.05	186.32	0.001298	1.78	154.94	472.32	0.42
Nanticoke Creek	Main-1	4938	200-year	93.3	184.15	186.33	186.09	186.33	0.000011	0.17	619.18	482.86	0.04
Nanticoke Creek	Main-1	4938	350-year	104.8	184.15	186.44	186.14	186.44	0.000012	0.18	669.51	486.69	0.04
Nanticoke Creek	Main-1	4938	500-year	112.2	184.15	186.35	186.16	186.35	0.000015	0.2	628.15	483.71	0.05

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-1	4938	1000-year	127.1	184.15	186.48	186.21	186.48	0.000016	0.21	690.1	488.27	0.05
Nanticoke Creek	Main-1	4938	Hazel	227.4	184.15	186.57	186.29	186.58	0.000044	0.37	737.13	490.54	0.08
Nanticoke Creek	Main-1	4809	25-year	54	184.5	185.96	185.75	186.02	0.001143	1.42	86.32	386.58	0.38
Nanticoke Creek	Main-1	4809	50-year	66.5	184.5	186.06	185.84	186.11	0.001095	1.45	103.85	387.84	0.38
Nanticoke Creek	Main-1	4809	100-year	79.6	184.5	186.14	185.89	186.2	0.001083	1.5	119.59	389.32	0.38
Nanticoke Creek	Main-1	4809	200-year	93.3	184.5	186.28	185.94	186.33	0.000874	1.42	145.28	392.51	0.34
Nanticoke Creek	Main-1	4809	350-year	104.8	184.5	186.39	185.97	186.43	0.000761	1.38	165.58	393.8	0.32
Nanticoke Creek	Main-1	4809	500-year	112.2	184.5	186.28	185.99	186.34	0.001284	1.72	144.46	392.46	0.42
Nanticoke Creek	Main-1	4809	1000-year	127.1	184.5	186.42	186.04	186.47	0.001031	1.62	170.42	394.39	0.38
Nanticoke Creek	Main-1	4809	Hazel	227.4	184.5	186.25	186.25	186.54	0.005873	3.64	139	392.05	0.89
Nanticoke Creek	Main-1	4643	25-year	54	184.27	185.84	185	185.9	0.000573	1.06	55.75	272.25	0.27
Nanticoke Creek	Main-1	4643	50-year	66.5	184.27	185.9	185.1	185.97	0.000765	1.26	58.28	273.42	0.32
Nanticoke Creek	Main-1	4643	100-year	79.6	184.27	185.94	185.19	186.04	0.001	1.46	60.15	274.42	0.36
Nanticoke Creek	Main-1	4643	200-year	93.3	184.27	186.07	185.33	186.18	0.001034	1.56	66.55	282.62	0.37
Nanticoke Creek	Main-1	4643	350-year	104.8	184.27	186.17	185.41	186.29	0.001049	1.63	71.84	284.69	0.38
Nanticoke Creek	Main-1	4643	500-year	112.2	184.27	186.32	185.46	186.32	0.000009	0.16	640.91	292.06	0.04
Nanticoke Creek	Main-1	4643	1000-year	127.1	184.27	186.45	185.56	186.45	0.00001	0.18	679.29	292.59	0.04
Nanticoke Creek	Main-1	4643	Hazel	227.4	184.27	186.34	186.02	186.35	0.000038	0.33	647.13	292.1	0.07
Nanticoke Creek	Main-1	4548	25-year	54	184.25	185.77	185.26	185.83	0.001006	1.38	49.37	211.51	0.36
Nanticoke Creek	Main-1	4548	50-year	66.5	184.25	185.94	185.34	185.95	0.000017	0.19	354.46	228.19	0.05
Nanticoke Creek	Main-1	4548	100-year	79.6	184.25	186	185.41	186	0.000023	0.23	367.1	232.95	0.06
Nanticoke Creek	Main-1	4548	200-year	93.3	184.25	186.14	185.5	186.14	0.000024	0.25	399.33	233.6	0.06
Nanticoke Creek	Main-1	4548	350-year	104.8	184.25	186.25	185.57	186.25	0.000025	0.26	424.97	234.11	0.06
Nanticoke Creek	Main-1	4548	500-year	112.2	184.25	186.31	185.6	186.32	0.000025	0.27	440.88	234.32	0.06
Nanticoke Creek	Main-1	4548	1000-year	127.1	184.25	186.45	185.68	186.45	0.000026	0.28	472.06	242.15	0.06
Nanticoke Creek	Main-1	4548	Hazel	227.4	184.25	186.33	185.9	186.34	0.000101	0.54	443.86	234.44	0.12
Nanticoke Creek	Main-1	4439	25-year	54	183.97	185.24	185.24	185.61	0.007032	3.17	32.58	131.61	0.91
Nanticoke Creek	Main-1	4439	50-year	66.5	183.97	185.34	185.34	185.78	0.007684	3.49	37.41	140.94	0.97
Nanticoke Creek	Main-1	4439	100-year	79.6	183.97	185.54	185.54	185.95	0.006323	3.47	48.45	148.77	0.9
Nanticoke Creek	Main-1	4439	200-year	93.3	183.97	185.64	185.64	186.09	0.006394	3.65	54.67	160.65	0.91
Nanticoke Creek	Main-1	4439	350-year	104.8	183.97	185.72	185.72	186.2	0.006516	3.8	59.36	169.96	0.93
Nanticoke Creek	Main-1	4439	500-year	112.2	183.97	185.77	185.77	186.26	0.006619	3.9	62.15	175.17	0.94
Nanticoke Creek	Main-1	4439	1000-year	127.1	183.97	185.86	185.86	186.39	0.006775	4.09	67.7	194.53	0.96
Nanticoke Creek	Main-1	4439	Hazel	227.4	183.97	186.23	186.23	186.32	0.001646	2.28	242.85	220.82	0.49
Nanticoke Creek	Main-1	4345	25-year	54	183.45	184.5	184.5	184.84	0.006859	2.76	30.03	63.48	0.88
Nanticoke Creek	Main-1	4345	50-year	66.5	183.45	184.7	184.7	185	0.005023	2.66	46.8	97.85	0.77
Nanticoke Creek	Main-1	4345	100-year	79.6	183.45	184.79	184.79	185.11	0.005215	2.84	55.51	107.91	0.8
Nanticoke Creek	Main-1	4345	200-year	93.3	183.45	184.91	184.91	185.21	0.00458	2.83	72.41	148.26	0.76
Nanticoke Creek	Main-1	4345	350-year	104.8	183.45	184.96	184.96	185.28	0.004792	2.96	80.14	153.31	0.78
Nanticoke Creek	Main-1	4345	500-year	112.2	183.45	185.01	185.01	185.33	0.004642	2.98	87.81	160.42	0.77
Nanticoke Creek	Main-1	4345	1000-year	127.1	183.45	185.09	185.09	185.4	0.004577	3.06	100.33	166.78	0.77
Nanticoke Creek	Main-1	4345	Hazel	227.4	183.45	185.44	185.44	185.82	0.004986	3.65	169.56	236.41	0.83
Nanticoke Creek	Main-1	4263	25-year	54	182.64	183.49	183.49	183.82	0.008176	2.69	27.48	47.88	0.93
Nanticoke Creek	Main-1	4263	50-year	66.5	182.64	183.58	183.58	183.96	0.008599	2.94	31.92	55.47	0.97
Nanticoke Creek	Main-1	4263	100-year	79.6	182.64	183.67	183.67	184.11	0.008776	3.16	37.31	65.25	1
Nanticoke Creek	Main-1	4263	200-year	93.3	182.64	183.93	183.93	184.24	0.00491	2.76	62.38	116.74	0.78
Nanticoke Creek	Main-1	4263	350-year	104.8	182.64	183.99	183.99	184.31	0.005067	2.88	68.82	119.19	0.79
Nanticoke Creek	Main-1	4263	500-year	112.2	182.64	184.01	184.01	184.36	0.005303	2.98	71.89	120.22	0.82
Nanticoke Creek	Main-1	4263	1000-year	127.1	182.64	184.1	184.1	184.45	0.005107	3.05	82.31	126.34	0.81
Nanticoke Creek	Main-1	4263	Hazel	227.4	182.64	184.5	184.5	184.94	0.005301	3.66	142.71	169.01	0.86
Nanticoke Creek	Main-1	4168	25-year	54	182	182.86		182.97	0.003053	1.63	46.35	72.08	0.57
Nanticoke Creek	Main-1	4168	50-year	66.5	182	182.95		183.09	0.003136	1.78	53.72	81.04	0.59
Nanticoke Creek	Main-1	4168	100-year	79.6	182	183.04		183.19	0.003288	1.92	60.64	87.61	0.61
Nanticoke Creek	Main-1	4168	200-year	93.3	182	183.13		183.31	0.003336	2.06	69.51	93.99	0.63
Nanticoke Creek	Main-1	4168	350-year	104.8	182	183.21		183.4	0.00324	2.12	76.85	97.29	0.62
Nanticoke Creek	Main-1	4168	500-year	112.2	182	183.27		183.46	0.003082	2.14	83.01	100.98	0.61
Nanticoke Creek	Main-1	4168	1000-year	127.1	182	183.35		183.55	0.003104	2.24	91.24	103.19	0.62
Nanticoke Creek	Main-1	4168	Hazel	227.4	182	183.72		184.06	0.004016	3	133.09	130.35	0.74

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-1	4069	25-year	54	181.24	182.27	182.27	182.51	0.008185	3.01	44.48	82.33	0.96
Nanticoke Creek	Main-1	4069	50-year	66.5	181.24	182.35	182.35	182.61	0.008604	3.24	50.72	82.98	0.99
Nanticoke Creek	Main-1	4069	100-year	79.6	181.24	182.46	182.4	182.71	0.007818	3.29	60.02	87.42	0.96
Nanticoke Creek	Main-1	4069	200-year	93.3	181.24	182.52	182.49	182.81	0.008473	3.55	66.15	98.66	1.01
Nanticoke Creek	Main-1	4069	350-year	104.8	181.24	182.59	182.55	182.9	0.00877	3.74	72.69	108.17	1.04
Nanticoke Creek	Main-1	4069	500-year	112.2	181.24	182.63	182.56	182.97	0.009113	3.89	77.55	111.52	1.06
Nanticoke Creek	Main-1	4069	1000-year	127.1	181.24	182.7	182.55	183.06	0.009381	4.08	85.04	115.98	1.09
Nanticoke Creek	Main-1	4069	Hazel	227.4	181.24	183.14	183.1	183.52	0.008208	4.56	142.75	145.05	1.06
Nanticoke Creek	Main-1	4017	25-year	54	180.69	181.45	181.44	181.68	0.00839	2.49	37.56	84.79	0.92
Nanticoke Creek	Main-1	4017	50-year	66.5	180.69	181.53	181.5	181.78	0.008272	2.65	44.61	90.17	0.93
Nanticoke Creek	Main-1	4017	100-year	79.6	180.69	181.59	181.59	181.89	0.009056	2.9	50.05	91.91	0.99
Nanticoke Creek	Main-1	4017	200-year	93.3	180.69	181.67	181.67	181.98	0.008427	2.98	58.34	95.49	0.97
Nanticoke Creek	Main-1	4017	350-year	104.8	180.69	181.73	181.73	182.06	0.008435	3.1	63.61	96.41	0.98
Nanticoke Creek	Main-1	4017	500-year	112.2	180.69	181.76	181.76	182.1	0.008641	3.19	66.29	96.77	0.99
Nanticoke Creek	Main-1	4017	1000-year	127.1	180.69	181.83	181.83	182.19	0.008463	3.3	73.17	98.11	0.99
Nanticoke Creek	Main-1	4017	Hazel	227.4	180.69	182.22	182.16	182.71	0.008209	3.97	115.32	114.76	1.03
Nanticoke Creek	Main-1	3948	25-year	54	179.58	180.5	180.42	180.66	0.006848	2.46	54.1	132.58	0.85
Nanticoke Creek	Main-1	3948	50-year	66.5	179.58	180.56	180.55	180.75	0.007133	2.64	63.35	139.09	0.88
Nanticoke Creek	Main-1	3948	100-year	79.6	179.58	180.65	180.61	180.83	0.006462	2.67	75.62	141.84	0.85
Nanticoke Creek	Main-1	3948	200-year	93.3	179.58	180.7	180.66	180.9	0.00685	2.85	83.17	144.87	0.88
Nanticoke Creek	Main-1	3948	350-year	104.8	179.58	180.76	180.7	180.96	0.006771	2.93	91.5	148.84	0.88
Nanticoke Creek	Main-1	3948	500-year	112.2	179.58	180.79	180.71	180.99	0.006953	3.01	95.16	149.82	0.9
Nanticoke Creek	Main-1	3948	1000-year	127.1	179.58	180.87	180.75	181.07	0.006409	3.03	107.32	151.53	0.87
Nanticoke Creek	Main-1	3948	Hazel	227.4	179.58	181.02	181.02	181.42	0.011515	4.39	131.29	156.76	1.19
Nanticoke Creek	Main-1	3866	25-year	54	178.94	179.85	179.85	180.01	0.007616	2.63	58.58	163.44	0.9
Nanticoke Creek	Main-1	3866	50-year	66.5	178.94	179.92	179.92	180.09	0.00731	2.73	71.68	179.99	0.9
Nanticoke Creek	Main-1	3866	100-year	79.6	178.94	179.95	179.95	180.15	0.008834	3.05	76.47	181.21	0.99
Nanticoke Creek	Main-1	3866	200-year	93.3	178.94	180.02	180.02	180.21	0.008239	3.09	89.72	183.78	0.97
Nanticoke Creek	Main-1	3866	350-year	104.8	178.94	180.05	180.05	180.26	0.008978	3.28	94.5	185.19	1.02
Nanticoke Creek	Main-1	3866	500-year	112.2	178.94	180.08	180.08	180.29	0.008881	3.32	99.54	186.14	1.01
Nanticoke Creek	Main-1	3866	1000-year	127.1	178.94	180.1	180.1	180.34	0.009946	3.57	104.54	188.38	1.08
Nanticoke Creek	Main-1	3866	Hazel	227.4	178.94	180.81		180.89	0.002504	2.48	259.2	238.54	0.59
Nanticoke Creek	Main-1	3787	25-year	54	178.57	179.41		179.46	0.004706	1.97	92.19	261.36	0.7
Nanticoke Creek	Main-1	3787	50-year	66.5	178.57	179.46		179.52	0.004716	2.06	107.06	264.03	0.71
Nanticoke Creek	Main-1	3787	100-year	79.6	178.57	179.51		179.57	0.0048	2.16	120.16	266.74	0.72
Nanticoke Creek	Main-1	3787	200-year	93.3	178.57	179.57		179.63	0.004608	2.2	135.17	268.42	0.71
Nanticoke Creek	Main-1	3787	350-year	104.8	178.57	179.62		179.68	0.004285	2.2	149.09	268.97	0.69
Nanticoke Creek	Main-1	3787	500-year	112.2	178.57	179.66		179.72	0.003982	2.17	159.52	269.79	0.67
Nanticoke Creek	Main-1	3787	1000-year	127.1	178.57	179.76		179.8	0.003193	2.06	185.61	272.42	0.61
Nanticoke Creek	Main-1	3787	Hazel	227.4	178.57	180.78		180.79	0.00053	1.28	470.28	285.99	0.28
Nanticoke Creek	Main-1	3691	25-year	54	178.09	179		179.04	0.003891	1.83	89.04	210.46	0.64
Nanticoke Creek	Main-1	3691	50-year	66.5	178.09	179.08		179.12	0.003532	1.85	105.93	210.93	0.62
Nanticoke Creek	Main-1	3691	100-year	79.6	178.09	179.16		179.2	0.003205	1.87	123.16	211.39	0.6
Nanticoke Creek	Main-1	3691	200-year	93.3	178.09	179.25		179.3	0.002738	1.84	143.67	211.92	0.56
Nanticoke Creek	Main-1	3691	350-year	104.8	178.09	179.35		179.39	0.00229	1.78	163.9	212.5	0.52
Nanticoke Creek	Main-1	3691	500-year	112.2	178.09	179.42		179.45	0.002012	1.73	178.39	213.09	0.49
Nanticoke Creek	Main-1	3691	1000-year	127.1	178.09	179.57		179.6	0.00153	1.62	211.03	215.98	0.44
Nanticoke Creek	Main-1	3691	Hazel	227.4	178.09	180.74		180.75	0.00039	1.23	471.72	231.59	0.24
Nanticoke Creek	Main-1	3541	25-year	54	177.44	178.8		178.83	0.001067	0.93	107.81	195.17	0.33
Nanticoke Creek	Main-1	3541	50-year	66.5	177.44	178.88		178.92	0.001063	0.99	124.92	198.14	0.34
Nanticoke Creek	Main-1	3541	100-year	79.6	177.44	178.98		179.01	0.001002	1.03	143.98	198.77	0.33
Nanticoke Creek	Main-1	3541	200-year	93.3	177.44	179.1		179.14	0.000854	1.03	168.82	199.62	0.31
Nanticoke Creek	Main-1	3541	350-year	104.8	177.44	179.22		179.26	0.000718	1.01	192.89	200.28	0.29
Nanticoke Creek	Main-1	3541	500-year	112.2	177.44	179.31		179.34	0.00064	1	209.45	200.91	0.28
Nanticoke Creek	Main-1	3541	1000-year	127.1	177.44	179.48		179.51	0.000507	0.97	245.18	202.98	0.25
Nanticoke Creek	Main-1	3541	Hazel	227.4	177.44	180.71		180.73	0.000178	0.86	498.83	213.42	0.17
Nanticoke Creek	Main-1	3427	25-year	54	177.05	178.63	178.44	178.69	0.001574	1.71	96.74	169.49	0.45

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-1	3427	50-year	66.5	177.05	178.71		178.78	0.001647	1.81	111.39	169.99	0.46
Nanticoke Creek	Main-1	3427	100-year	79.6	177.05	178.82		178.89	0.001531	1.83	130.53	170.93	0.45
Nanticoke Creek	Main-1	3427	200-year	93.3	177.05	178.98		179.04	0.00123	1.74	157.51	171.42	0.41
Nanticoke Creek	Main-1	3427	350-year	104.8	177.05	179.13		179.17	0.001011	1.66	182.27	171.97	0.37
Nanticoke Creek	Main-1	3427	500-year	112.2	177.05	179.22		179.26	0.000897	1.61	198.61	172.3	0.36
Nanticoke Creek	Main-1	3427	1000-year	127.1	177.05	179.42		179.45	0.00073	1.54	232.51	176.62	0.33
Nanticoke Creek	Main-1	3427	Hazel	227.4	177.05	180.68		180.71	0.000284	1.29	462.63	186.76	0.22
Nanticoke Creek	Main-1	3355	25-year	54	176.92	178.3	178.3	178.52	0.003903	2.5	54.61	125.39	0.69
Nanticoke Creek	Main-1	3355	50-year	66.5	176.92	178.42		178.62	0.003563	2.52	69.18	128.79	0.67
Nanticoke Creek	Main-1	3355	100-year	79.6	176.92	178.64		178.77	0.002173	2.17	98.91	134.93	0.53
Nanticoke Creek	Main-1	3355	200-year	93.3	176.92	178.86		178.95	0.001522	1.96	127.88	138.51	0.46
Nanticoke Creek	Main-1	3355	350-year	104.8	176.92	179.03		179.1	0.00121	1.86	151.58	141.6	0.41
Nanticoke Creek	Main-1	3355	500-year	112.2	176.92	179.13		179.2	0.001064	1.8	166.82	143.42	0.39
Nanticoke Creek	Main-1	3355	1000-year	127.1	176.92	179.34		179.4	0.000852	1.71	197.56	147.56	0.35
Nanticoke Creek	Main-1	3355	Hazel	227.4	176.92	180.65		180.69	0.000358	1.49	407.91	177.3	0.25
Nanticoke Creek	Main-1	3277	25-year	54	176.68	178.29	177.43	178.32	0.000437	0.94	87.24	126.93	0.24
Nanticoke Creek	Main-1	3277	50-year	66.5	176.68	178.47	177.54	178.5	0.000398	0.96	110.41	130.12	0.23
Nanticoke Creek	Main-1	3277	100-year	79.6	176.68	178.65	177.61	178.69	0.000354	0.97	135.26	133.12	0.22
Nanticoke Creek	Main-1	3277	200-year	93.3	176.68	178.86	177.75	178.89	0.00031	0.97	162.33	136.37	0.21
Nanticoke Creek	Main-1	3277	350-year	104.8	176.68	179.02	177.82	179.05	0.000279	0.97	185.08	138.13	0.2
Nanticoke Creek	Main-1	3277	500-year	112.2	176.68	179.13	177.86	179.16	0.000262	0.97	199.72	139.24	0.2
Nanticoke Creek	Main-1	3277	1000-year	127.1	176.68	179.34	177.93	179.37	0.000232	0.96	229.33	142.86	0.19
Nanticoke Creek	Main-1	3277	Hazel	227.4	176.68	180.64	178.43	180.67	0.000131	0.95	458.18	234.3	0.15
Nanticoke Creek	Main-1	3146	25-year	54	176.67	178.25		178.27	0.000284	0.58	104.59	120.59	0.18
Nanticoke Creek	Main-1	3146	50-year	66.5	176.67	178.44		178.46	0.000239	0.59	127.09	121.35	0.17
Nanticoke Creek	Main-1	3146	100-year	79.6	176.67	178.63		178.65	0.000203	0.6	150.6	121.97	0.16
Nanticoke Creek	Main-1	3146	200-year	93.3	176.67	178.84		178.85	0.000173	0.6	175.61	122.68	0.15
Nanticoke Creek	Main-1	3146	350-year	104.8	176.67	179.01		179.02	0.000154	0.61	196.27	123.27	0.14
Nanticoke Creek	Main-1	3146	500-year	112.2	176.67	179.11		179.13	0.000144	0.61	209.45	123.78	0.14
Nanticoke Creek	Main-1	3146	1000-year	127.1	176.67	179.33		179.34	0.000127	0.61	235.88	125.52	0.13
Nanticoke Creek	Main-1	3146	Hazel	227.4	176.67	180.64		180.65	0.000074	0.65	414.9	151.78	0.11
Nanticoke Creek	Main-1	3048	25-year	54	176.67	178.2		178.23	0.000449	0.93	69.87	72.6	0.24
Nanticoke Creek	Main-1	3048	50-year	66.5	176.67	178.39		178.42	0.000417	0.97	84.11	81.46	0.24
Nanticoke Creek	Main-1	3048	100-year	79.6	176.67	178.58		178.62	0.000378	0.99	100.77	87.44	0.23
Nanticoke Creek	Main-1	3048	200-year	93.3	176.67	178.79		178.83	0.000336	1	120.26	95.96	0.22
Nanticoke Creek	Main-1	3048	350-year	104.8	176.67	178.96		179	0.000306	1.01	136.9	98.99	0.21
Nanticoke Creek	Main-1	3048	500-year	112.2	176.67	179.07		179.11	0.000289	1.01	147.84	102.68	0.21
Nanticoke Creek	Main-1	3048	1000-year	127.1	176.67	179.28		179.32	0.000258	1.01	170.27	107.23	0.2
Nanticoke Creek	Main-1	3048	Hazel	227.4	176.67	180.61		180.64	0.000145	1	340.35	149.46	0.16
Nanticoke Creek	Main-1	2922	25-year	54	176.67	178.13		178.19	0.000906	1.29	55.37	70.18	0.34
Nanticoke Creek	Main-1	2922	50-year	66.5	176.67	178.33		178.38	0.000843	1.35	69.96	84.02	0.34
Nanticoke Creek	Main-1	2922	100-year	79.6	176.67	178.53		178.59	0.000756	1.39	88.06	100.07	0.32
Nanticoke Creek	Main-1	2922	200-year	93.3	176.67	178.75		178.8	0.000662	1.4	112.36	120.09	0.31
Nanticoke Creek	Main-1	2922	350-year	104.8	176.67	178.93		178.97	0.000569	1.37	134.92	133.26	0.29
Nanticoke Creek	Main-1	2922	500-year	112.2	176.67	179.04		179.08	0.000516	1.35	150.26	140.54	0.28
Nanticoke Creek	Main-1	2922	1000-year	127.1	176.67	179.26		179.3	0.000434	1.31	183.67	160.57	0.26
Nanticoke Creek	Main-1	2922	Hazel	227.4	176.67	180.61		180.63	0.000169	1.08	481.74	280.28	0.17
Nanticoke Creek	Main-1	2921	25-year	54	176.67	178.04		178.12	0.001363	1.51	51.8	78.57	0.41
Nanticoke Creek	Main-1	2921	50-year	66.5	176.67	178.25		178.33	0.001037	1.46	70.36	89.27	0.37
Nanticoke Creek	Main-1	2921	100-year	79.6	176.67	178.47		178.54	0.000805	1.4	90.57	95.09	0.33
Nanticoke Creek	Main-1	2921	200-year	93.3	176.67	178.7		178.76	0.000645	1.36	112.46	97.61	0.3
Nanticoke Creek	Main-1	2921	350-year	104.8	176.67	178.88		178.94	0.000551	1.33	130.59	100.63	0.29
Nanticoke Creek	Main-1	2921	500-year	112.2	176.67	179		179.05	0.000505	1.31	142.28	101.9	0.28
Nanticoke Creek	Main-1	2921	1000-year	127.1	176.67	179.23		179.27	0.000432	1.29	165.51	104.38	0.26
Nanticoke Creek	Main-1	2921	Hazel	227.4	176.67	180.57		180.61	0.000228	1.25	315.85	117.7	0.2
Nanticoke Creek	Main-1	2867	25-year	54	176.58	178		178.06	0.001072	1.32	63.75	82.42	0.36
Nanticoke Creek	Main-1	2867	50-year	66.5	176.58	178.23		178.28	0.000773	1.25	83.43	86.47	0.32
Nanticoke Creek	Main-1	2867	100-year	79.6	176.58	178.46		178.5	0.000596	1.2	103.49	89.41	0.28

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-1	2867	200-year	93.3	176.58	178.69		178.73	0.000478	1.16	124.51	92.32	0.26
Nanticoke Creek	Main-1	2867	350-year	104.8	176.58	178.87		178.91	0.000413	1.14	141.85	94.63	0.24
Nanticoke Creek	Main-1	2867	500-year	112.2	176.58	178.99		179.03	0.000379	1.13	152.93	95.58	0.24
Nanticoke Creek	Main-1	2867	1000-year	127.1	176.58	179.22		179.25	0.000326	1.12	174.96	98.46	0.22
Nanticoke Creek	Main-1	2867	Hazel	227.4	176.58	180.57		180.6	0.000181	1.1	318.27	115.82	0.18
Nanticoke Creek	Main-1	2815	25-year	54	176.57	177.92		178.01	0.002352	1.7	56.66	64.56	0.47
Nanticoke Creek	Main-1	2815	50-year	66.5	176.57	178.16		178.24	0.001808	1.66	73.19	75.02	0.42
Nanticoke Creek	Main-1	2815	100-year	79.6	176.57	178.4		178.47	0.001445	1.63	91.65	79.76	0.38
Nanticoke Creek	Main-1	2815	200-year	93.3	176.57	178.64		178.7	0.001187	1.6	111.1	83.99	0.35
Nanticoke Creek	Main-1	2815	350-year	104.8	176.57	178.83		178.89	0.001035	1.58	127.26	86.53	0.34
Nanticoke Creek	Main-1	2815	500-year	112.2	176.57	178.95		179.01	0.000959	1.58	137.65	88.65	0.33
Nanticoke Creek	Main-1	2815	1000-year	127.1	176.57	179.18		179.24	0.000836	1.57	158.74	93.74	0.31
Nanticoke Creek	Main-1	2815	Hazel	227.4	176.57	180.55		180.59	0.000444	1.51	311.7	154.51	0.24
Nanticoke Creek	Main-1	2814	25-year	54	176.22	177.9		177.97	0.00095	1.31	51.69	52.67	0.35
Nanticoke Creek	Main-1	2814	50-year	66.5	176.22	178.15		178.21	0.000744	1.29	67.14	70.39	0.32
Nanticoke Creek	Main-1	2814	100-year	79.6	176.22	178.39		178.45	0.000571	1.24	85.6	80.05	0.28
Nanticoke Creek	Main-1	2814	200-year	93.3	176.22	178.63		178.68	0.000453	1.19	105.59	83.8	0.26
Nanticoke Creek	Main-1	2814	350-year	104.8	176.22	178.82		178.87	0.00039	1.17	122.55	93.47	0.24
Nanticoke Creek	Main-1	2814	500-year	112.2	176.22	178.94		178.99	0.000357	1.16	134.22	100.58	0.23
Nanticoke Creek	Main-1	2814	1000-year	127.1	176.22	179.18		179.22	0.000304	1.13	158.51	105.3	0.22
Nanticoke Creek	Main-1	2814	Hazel	227.4	176.22	180.55		180.58	0.000158	1.07	317.27	139.74	0.17
Nanticoke Creek	Main-1	2811	25-year	54	176.22	177.88	177.34	177.96	0.000968	1.33	45.15	53.05	0.35
Nanticoke Creek	Main-1	2811	50-year	66.5	176.22	178.12	177.43	178.2	0.000785	1.33	55.45	69.61	0.33
Nanticoke Creek	Main-1	2811	100-year	79.6	176.22	178.35	177.52	178.44	0.000674	1.34	65.37	80.65	0.31
Nanticoke Creek	Main-1	2811	200-year	93.3	176.22	178.58	177.6	178.67	0.000593	1.35	75.28	91.23	0.29
Nanticoke Creek	Main-1	2811	350-year	104.8	176.22	178.77	177.67	178.86	0.000544	1.37	83.21	99.43	0.29
Nanticoke Creek	Main-1	2811	500-year	112.2	176.22	178.88	177.72	178.97	0.000518	1.38	88.16	102.14	0.28
Nanticoke Creek	Main-1	2811	1000-year	127.1	176.22	179.11	177.82	179.2	0.000476	1.4	97.8	103.32	0.27
Nanticoke Creek	Main-1	2811	Hazel	227.4	176.22	180.43	178.3	180.56	0.000342	1.55	154.84	126.77	0.25
Nanticoke Creek	Main-1	2791		Culvert									
Nanticoke Creek	Main-1	2776	25-year	55.6	176.3	177.57	177.27	177.75	0.002598	1.93	30.81	33.22	0.56
Nanticoke Creek	Main-1	2776	50-year	68.4	176.3	177.65	177.4	177.88	0.003093	2.2	33.45	36.1	0.61
Nanticoke Creek	Main-1	2776	100-year	81.7	176.3	177.73	177.51	178.01	0.00344	2.42	36.38	38.51	0.65
Nanticoke Creek	Main-1	2776	200-year	95.6	176.3	177.86	177.61	178.16	0.003354	2.53	40.74	42.34	0.66
Nanticoke Creek	Main-1	2776	350-year	107.2	176.3	177.76	177.7	178.21	0.005447	3.09	37.42	39.24	0.83
Nanticoke Creek	Main-1	2776	500-year	114.8	176.3	177.81	177.75	178.28	0.005523	3.17	38.98	40.17	0.84
Nanticoke Creek	Main-1	2776	1000-year	129.9	176.3	177.88	177.85	178.41	0.005847	3.37	41.53	43.29	0.87
Nanticoke Creek	Main-1	2776	Hazel	224	176.3	178.41	178.41	179.13	0.005571	4	61.25	56.54	0.89
Nanticoke Creek	Main-1	2769	25-year	55.6	176.35	177.43	177.38	177.7	0.005335	2.39	30.43	58.37	0.77
Nanticoke Creek	Main-1	2769	50-year	68.4	176.35	177.58	177.49	177.84	0.004473	2.41	39.74	62.07	0.72
Nanticoke Creek	Main-1	2769	100-year	81.7	176.35	177.72		177.98	0.003987	2.46	48.52	64.85	0.69
Nanticoke Creek	Main-1	2769	200-year	95.6	176.35	177.86		178.12	0.003595	2.5	57.58	67.35	0.67
Nanticoke Creek	Main-1	2769	350-year	107.2	176.35	177.74	177.74	178.17	0.006491	3.16	49.66	65.2	0.88
Nanticoke Creek	Main-1	2769	500-year	114.8	176.35	177.79	177.79	178.23	0.006358	3.21	53.01	66.3	0.88
Nanticoke Creek	Main-1	2769	1000-year	129.9	176.35	177.88	177.88	178.34	0.006264	3.33	58.92	67.61	0.88
Nanticoke Creek	Main-1	2769	Hazel	224	176.35	178.31	178.31	178.92	0.006346	3.99	89.63	75.11	0.93
Nanticoke Creek	Main-1	2694	25-year	55.6	176.52	177.55		177.58	0.000643	0.85	85.41	96.23	0.27
Nanticoke Creek	Main-1	2694	50-year	68.4	176.52	177.7		177.73	0.000623	0.92	99.46	97.97	0.27
Nanticoke Creek	Main-1	2694	100-year	81.7	176.52	177.84		177.87	0.000607	0.97	113.37	101.21	0.27
Nanticoke Creek	Main-1	2694	200-year	95.6	176.52	177.97		178.01	0.000594	1.03	127.41	104.1	0.27
Nanticoke Creek	Main-1	2694	350-year	107.2	176.52	177.58		177.67	0.002154	1.59	88.52	96.59	0.5
Nanticoke Creek	Main-1	2694	500-year	114.8	176.52	177.59		177.69	0.002399	1.69	89.41	96.69	0.52
Nanticoke Creek	Main-1	2694	1000-year	129.9	176.52	177.61		177.74	0.002882	1.87	91.37	96.91	0.58
Nanticoke Creek	Main-1	2694	Hazel	224	176.52	177.87		178.1	0.004183	2.6	116.8	101.98	0.72
Nanticoke Creek	Main-1	2693	25-year	55.6	176.26	177.15	177.15	177.49	0.00775	2.68	25.96	116.09	0.91
Nanticoke Creek	Main-1	2693	50-year	68.4	176.26	177.26	177.26	177.64	0.007613	2.86	30.41	118.01	0.92
Nanticoke Creek	Main-1	2693	100-year	81.7	176.26	177.35	177.35	177.78	0.007719	3.06	34.39	120.12	0.94

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-1	2693	200-year	95.6	176.26	177.46	177.46	177.91	0.007434	3.2	39.09	136.79	0.94
Nanticoke Creek	Main-1	2693	350-year	107.2	176.26	177.52	177.52	177.6	0.002001	1.72	136.41	138.85	0.49
Nanticoke Creek	Main-1	2693	500-year	114.8	176.26	177.52	177.52	177.61	0.002295	1.84	136.41	138.85	0.53
Nanticoke Creek	Main-1	2693	1000-year	129.9	176.26	177.52	177.52	177.63	0.002938	2.08	136.41	138.85	0.6
Nanticoke Creek	Main-1	2693	Hazel	224	176.26	177.73	177.52	177.94	0.004825	2.95	165.09	142.3	0.78
Nanticoke Creek	Main-1	2577	25-year	55.6	175.89	176.53	176.53	176.79	0.011465	2.58	33.94	68.29	1.05
Nanticoke Creek	Main-1	2577	50-year	68.4	175.89	176.59	176.59	176.9	0.012209	2.84	38.32	70.31	1.1
Nanticoke Creek	Main-1	2577	100-year	81.7	175.89	176.69	176.69	177.01	0.010531	2.9	45.95	76.03	1.04
Nanticoke Creek	Main-1	2577	200-year	95.6	175.89	176.79	176.79	177.12	0.009619	2.98	53.14	83.51	1.02
Nanticoke Creek	Main-1	2577	350-year	107.2	175.89	176.79	176.79	177.2	0.011963	3.33	53.36	84.37	1.13
Nanticoke Creek	Main-1	2577	500-year	114.8	175.89	176.83	176.83	177.25	0.011469	3.37	57.18	91.11	1.12
Nanticoke Creek	Main-1	2577	1000-year	129.9	175.89	177.03	177.03	177.33	0.006741	2.95	81.04	142.52	0.89
Nanticoke Creek	Main-1	2577	Hazel	224	175.89	177.32	177.32	177.68	0.006629	3.41	124.95	158.17	0.91
Nanticoke Creek	Main-1	2576	25-year	55.6	174.96	175.82	175.67	176.03	0.004924	2.08	30.74	63.33	0.73
Nanticoke Creek	Main-1	2576	50-year	68.4	174.96	175.87	175.77	176.15	0.005973	2.39	34.15	72.29	0.81
Nanticoke Creek	Main-1	2576	100-year	81.7	174.96	175.94	175.89	176.28	0.006576	2.64	38.92	79.45	0.86
Nanticoke Creek	Main-1	2576	200-year	95.6	174.96	176.01	175.97	176.4	0.007046	2.85	44	88.19	0.9
Nanticoke Creek	Main-1	2576	350-year	107.2	174.96	176.11	176.11	176.49	0.006244	2.86	52.56	109.05	0.86
Nanticoke Creek	Main-1	2576	500-year	114.8	174.96	176.11	176.11	176.55	0.007054	3.04	52.98	110.65	0.91
Nanticoke Creek	Main-1	2576	1000-year	129.9	174.96	176.3	176.3	176.65	0.004857	2.79	77.06	163.35	0.78
Nanticoke Creek	Main-1	2576	Hazel	224	174.96	176.64	176.64	177.05	0.004817	3.25	130.86	191.36	0.8
Nanticoke Creek	Main-1	2485	25-year	55.6	174.33	175.37	175.37	175.58	0.004878	2.35	54.37	155.97	0.74
Nanticoke Creek	Main-1	2485	50-year	68.4	174.33	175.47	175.47	175.66	0.004293	2.35	72.13	182.66	0.71
Nanticoke Creek	Main-1	2485	100-year	81.7	174.33	175.52	175.52	175.73	0.00466	2.53	82.37	190.79	0.74
Nanticoke Creek	Main-1	2485	200-year	95.6	174.33	175.57	175.57	175.8	0.005091	2.71	91.56	197.57	0.78
Nanticoke Creek	Main-1	2485	350-year	107.2	174.33	175.61	175.61	175.85	0.005283	2.83	99.82	201.84	0.8
Nanticoke Creek	Main-1	2485	500-year	114.8	174.33	175.64	175.63	175.88	0.005414	2.9	104.94	206.52	0.82
Nanticoke Creek	Main-1	2485	1000-year	129.9	174.33	175.78		175.96	0.003793	2.6	135.63	221.65	0.69
Nanticoke Creek	Main-1	2485	Hazel	224	174.33	176.37		176.47	0.001647	2.16	275.53	242.74	0.48
Nanticoke Creek	Main-1	2386	25-year	55.6	173.74	175.16		175.19	0.000688	1.09	87.96	144.69	0.29
Nanticoke Creek	Main-1	2386	50-year	68.4	173.74	175.29		175.32	0.00065	1.12	106.94	148.96	0.29
Nanticoke Creek	Main-1	2386	100-year	81.7	173.74	175.41		175.44	0.000623	1.16	125.03	150.39	0.29
Nanticoke Creek	Main-1	2386	200-year	95.6	173.74	175.52		175.56	0.000601	1.19	142.63	151.41	0.29
Nanticoke Creek	Main-1	2386	350-year	107.2	173.74	175.62		175.65	0.000587	1.21	156.44	154.27	0.28
Nanticoke Creek	Main-1	2386	500-year	114.8	173.74	175.67		175.71	0.000584	1.24	165.29	157.3	0.29
Nanticoke Creek	Main-1	2386	1000-year	129.9	173.74	175.78		175.82	0.000567	1.26	182.94	160.02	0.28
Nanticoke Creek	Main-1	2386	Hazel	224	173.74	176.34		176.39	0.000538	1.45	274.17	168.49	0.29
Nanticoke Creek	Main-1	2313	25-year	55.6	173.74	175.14		175.15	0.000174	0.55	164.38	195.49	0.15
Nanticoke Creek	Main-1	2313	50-year	68.4	173.74	175.27		175.28	0.00018	0.59	189.85	200.65	0.15
Nanticoke Creek	Main-1	2313	100-year	81.7	173.74	175.39		175.4	0.000186	0.63	214.2	203.38	0.16
Nanticoke Creek	Main-1	2313	200-year	95.6	173.74	175.51		175.52	0.00019	0.67	238.14	207.56	0.16
Nanticoke Creek	Main-1	2313	350-year	107.2	173.74	175.6		175.61	0.000193	0.7	257.1	209.11	0.16
Nanticoke Creek	Main-1	2313	500-year	114.8	173.74	175.66		175.67	0.000195	0.71	269	210.83	0.17
Nanticoke Creek	Main-1	2313	1000-year	129.9	173.74	175.77		175.78	0.000197	0.74	292.68	213.04	0.17
Nanticoke Creek	Main-1	2313	Hazel	224	173.74	176.33		176.35	0.000216	0.92	414.53	224.07	0.18
Nanticoke Creek	Main-1	2229	25-year	55.6	173.74	175.13		175.14	0.000191	0.57	158.38	188.51	0.15
Nanticoke Creek	Main-1	2229	50-year	68.4	173.74	175.26		175.27	0.000197	0.61	182.66	191.02	0.16
Nanticoke Creek	Main-1	2229	100-year	81.7	173.74	175.38		175.39	0.000202	0.65	205.69	192.37	0.16
Nanticoke Creek	Main-1	2229	200-year	95.6	173.74	175.5		175.51	0.000207	0.69	228.11	195.12	0.17
Nanticoke Creek	Main-1	2229	350-year	107.2	173.74	175.59		175.6	0.00021	0.72	245.84	196.67	0.17
Nanticoke Creek	Main-1	2229	500-year	114.8	173.74	175.64		175.66	0.000213	0.74	256.97	198.08	0.17
Nanticoke Creek	Main-1	2229	1000-year	129.9	173.74	175.75		175.77	0.000215	0.77	279.12	200.74	0.17
Nanticoke Creek	Main-1	2229	Hazel	224	173.74	176.31		176.33	0.000237	0.96	392.33	209.06	0.19
Nanticoke Creek	Main-1	2228	25-year	55.6	173.74	175.13		175.14	0.000135	0.48	170.5	177.22	0.13
Nanticoke Creek	Main-1	2228	50-year	68.4	173.74	175.26		175.27	0.000142	0.52	193.28	179.66	0.14
Nanticoke Creek	Main-1	2228	100-year	81.7	173.74	175.38		175.39	0.000149	0.56	214.98	182.18	0.14
Nanticoke Creek	Main-1	2228	200-year	95.6	173.74	175.49		175.5	0.000154	0.6	236.19	183.75	0.14
Nanticoke Creek	Main-1	2228	350-year	107.2	173.74	175.58		175.6	0.000158	0.63	252.85	184.86	0.15

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-1	2228	500-year	114.8	173.74	175.64		175.65	0.000161	0.65	263.29	185.8	0.15
Nanticoke Creek	Main-1	2228	1000-year	129.9	173.74	175.75		175.76	0.000164	0.68	284.01	187.04	0.15
Nanticoke Creek	Main-1	2228	Hazel	224	173.74	176.3		176.33	0.000189	0.86	389.7	195.62	0.17
Nanticoke Creek	Main-1	2053	25-year	55.6	173.74	175.11		175.12	0.000134	0.47	172.15	190.91	0.13
Nanticoke Creek	Main-1	2053	50-year	68.4	173.74	175.24		175.25	0.00014	0.51	196.8	197.56	0.13
Nanticoke Creek	Main-1	2053	100-year	81.7	173.74	175.36		175.37	0.000144	0.54	220.5	198.56	0.14
Nanticoke Creek	Main-1	2053	200-year	95.6	173.74	175.48		175.49	0.000147	0.57	243.49	199.54	0.14
Nanticoke Creek	Main-1	2053	350-year	107.2	173.74	175.57		175.58	0.000149	0.6	261.55	200.63	0.14
Nanticoke Creek	Main-1	2053	500-year	114.8	173.74	175.62		175.64	0.000151	0.62	272.82	201.05	0.14
Nanticoke Creek	Main-1	2053	1000-year	129.9	173.74	175.73		175.75	0.000153	0.64	295.19	201.97	0.15
Nanticoke Creek	Main-1	2053	Hazel	224	173.74	176.28		176.31	0.000171	0.8	407.96	208.53	0.16
Nanticoke Creek	Main-1	2052	25-year	55.6	173.74	175.11		175.11	0.000135	0.48	167.34	175.54	0.13
Nanticoke Creek	Main-1	2052	50-year	68.4	173.74	175.23		175.24	0.000141	0.52	189.64	176.66	0.14
Nanticoke Creek	Main-1	2052	100-year	81.7	173.74	175.35		175.36	0.000147	0.56	210.77	177.93	0.14
Nanticoke Creek	Main-1	2052	200-year	95.6	173.74	175.47		175.48	0.000153	0.59	231.31	179.23	0.14
Nanticoke Creek	Main-1	2052	350-year	107.2	173.74	175.56		175.57	0.000157	0.62	247.45	180.16	0.15
Nanticoke Creek	Main-1	2052	500-year	114.8	173.74	175.61		175.63	0.000159	0.64	257.52	180.65	0.15
Nanticoke Creek	Main-1	2052	1000-year	129.9	173.74	175.72		175.74	0.000163	0.67	277.54	181.44	0.15
Nanticoke Creek	Main-1	2052	Hazel	224	173.74	176.27		176.29	0.000188	0.85	378.01	185.89	0.17
Nanticoke Creek	Main-1	1990	25-year	55.6	173.74	175.09		175.1	0.000179	0.54	143.7	164.11	0.15
Nanticoke Creek	Main-1	1990	50-year	68.4	173.74	175.22		175.23	0.000187	0.59	164.4	165.12	0.16
Nanticoke Creek	Main-1	1990	100-year	81.7	173.74	175.34		175.35	0.000195	0.63	184	166.06	0.16
Nanticoke Creek	Main-1	1990	200-year	95.6	173.74	175.45		175.47	0.000202	0.68	203.03	167.18	0.17
Nanticoke Creek	Main-1	1990	350-year	107.2	173.74	175.54		175.56	0.000206	0.71	217.97	167.83	0.17
Nanticoke Creek	Main-1	1990	500-year	114.8	173.74	175.59		175.61	0.00021	0.73	227.29	168.23	0.17
Nanticoke Creek	Main-1	1990	1000-year	129.9	173.74	175.7		175.73	0.000214	0.76	245.93	173.04	0.17
Nanticoke Creek	Main-1	1990	Hazel	224	173.74	176.25		176.28	0.000248	0.97	344.34	186.36	0.2
Nanticoke Creek	Main-1	1891	25-year	55.6	173.74	175.07		175.08	0.000225	0.6	122.17	157.85	0.17
Nanticoke Creek	Main-1	1891	50-year	68.4	173.74	175.19		175.21	0.000233	0.65	141.95	159.4	0.17
Nanticoke Creek	Main-1	1891	100-year	81.7	173.74	175.31		175.33	0.000238	0.69	160.73	160.41	0.18
Nanticoke Creek	Main-1	1891	200-year	95.6	173.74	175.42		175.44	0.000243	0.73	178.99	162.01	0.18
Nanticoke Creek	Main-1	1891	350-year	107.2	173.74	175.51		175.53	0.000247	0.77	193.66	170.71	0.18
Nanticoke Creek	Main-1	1891	500-year	114.8	173.74	175.57		175.59	0.000249	0.78	203.32	180.46	0.19
Nanticoke Creek	Main-1	1891	1000-year	129.9	173.74	175.68		175.7	0.000251	0.82	224.6	202.34	0.19
Nanticoke Creek	Main-1	1891	Hazel	224	173.74	176.22		176.25	0.000271	1	340.65	223.8	0.2
Nanticoke Creek	Main-1	1792	25-year	55.6	173.74	175.04	174.25	175.06	0.000233	0.6	105.49	154.62	0.17
Nanticoke Creek	Main-1	1792	50-year	68.4	173.74	175.16	174.31	175.18	0.000243	0.65	118.85	157.84	0.18
Nanticoke Creek	Main-1	1792	100-year	81.7	173.74	175.28	174.37	175.3	0.000253	0.7	131.69	162.05	0.18
Nanticoke Creek	Main-1	1792	200-year	95.6	173.74	175.39	174.43	175.41	0.000261	0.75	144.36	166.64	0.19
Nanticoke Creek	Main-1	1792	350-year	107.2	173.74	175.48	174.46	175.5	0.000267	0.78	154.46	171.18	0.19
Nanticoke Creek	Main-1	1792	500-year	114.8	173.74	175.53	174.5	175.56	0.000271	0.81	160.81	173.88	0.19
Nanticoke Creek	Main-1	1792	1000-year	129.9	173.74	175.64	174.52	175.67	0.000275	0.84	173.62	179.59	0.2
Nanticoke Creek	Main-1	1792	Hazel	224	173.74	176.17	174.84	176.22	0.000313	1.06	239.18	209.81	0.22
Nanticoke Creek	Main-1	1693	25-year	55.6	173.74	175.03		175.04	0.000134	0.45	159.96	174.43	0.13
Nanticoke Creek	Main-1	1693	50-year	68.4	173.74	175.15		175.16	0.000141	0.49	181.45	175.6	0.13
Nanticoke Creek	Main-1	1693	100-year	81.7	173.74	175.27		175.28	0.000146	0.53	201.82	176.9	0.14
Nanticoke Creek	Main-1	1693	200-year	95.6	173.74	175.38		175.39	0.000151	0.57	221.67	178.24	0.14
Nanticoke Creek	Main-1	1693	350-year	107.2	173.74	175.47		175.48	0.000155	0.59	237.29	179.36	0.14
Nanticoke Creek	Main-1	1693	500-year	114.8	173.74	175.52		175.53	0.000157	0.61	247.04	180.01	0.15
Nanticoke Creek	Main-1	1693	1000-year	129.9	173.74	175.63		175.64	0.00016	0.64	266.71	181.79	0.15
Nanticoke Creek	Main-1	1693	Hazel	224	173.74	176.16		176.19	0.000183	0.81	365.34	188.54	0.17
Nanticoke Creek	Main-1	1610	25-year	55.6	173.74	175.01		175.02	0.000148	0.47	170.13	233.03	0.13
Nanticoke Creek	Main-1	1610	50-year	68.4	173.74	175.14		175.15	0.000151	0.51	199.09	237.36	0.14
Nanticoke Creek	Main-1	1610	100-year	81.7	173.74	175.25		175.26	0.000153	0.54	226.5	238.16	0.14
Nanticoke Creek	Main-1	1610	200-year	95.6	173.74	175.36		175.37	0.000155	0.57	253.11	238.93	0.14
Nanticoke Creek	Main-1	1610	350-year	107.2	173.74	175.45		175.46	0.000157	0.59	273.97	239.53	0.15
Nanticoke Creek	Main-1	1610	500-year	114.8	173.74	175.5		175.52	0.000158	0.61	286.97	239.91	0.15
Nanticoke Creek	Main-1	1610	1000-year	129.9	173.74	175.61		175.63	0.000158	0.63	313.1	240.95	0.15

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-1	1610	Hazel	224	173.74	176.14		176.17	0.000172	0.78	443	247.62	0.16
Nanticoke Creek	Main-1	1513	25-year	55.6	173.74	175.01		175.02	0.000122	0.43	185.91	220.58	0.12
Nanticoke Creek	Main-1	1513	50-year	68.4	173.74	175.13		175.14	0.000127	0.46	212.95	222.55	0.13
Nanticoke Creek	Main-1	1513	100-year	81.7	173.74	175.24		175.25	0.000131	0.5	238.84	230	0.13
Nanticoke Creek	Main-1	1513	200-year	95.6	173.74	175.36		175.37	0.000134	0.53	264.94	242.91	0.13
Nanticoke Creek	Main-1	1513	350-year	107.2	173.74	175.44		175.45	0.000136	0.55	286.99	264.51	0.14
Nanticoke Creek	Main-1	1513	500-year	114.8	173.74	175.5		175.51	0.000138	0.57	301.64	275.32	0.14
Nanticoke Creek	Main-1	1513	1000-year	129.9	173.74	175.61		175.62	0.000139	0.59	332	284.46	0.14
Nanticoke Creek	Main-1	1513	Hazel	224	173.74	176.14		176.16	0.000153	0.73	494.15	314.96	0.15
Nanticoke Creek	Main-1	1397	25-year	55.6	173.74	175		175.01	0.000164	0.49	188.09	248.19	0.14
Nanticoke Creek	Main-1	1397	50-year	68.4	173.74	175.12		175.13	0.000165	0.52	218.95	260.46	0.14
Nanticoke Creek	Main-1	1397	100-year	81.7	173.74	175.23		175.24	0.000167	0.56	249.45	271.68	0.15
Nanticoke Creek	Main-1	1397	200-year	95.6	173.74	175.34		175.36	0.00017	0.59	280.05	279.41	0.15
Nanticoke Creek	Main-1	1397	350-year	107.2	173.74	175.43		175.44	0.000169	0.61	304.44	281.87	0.15
Nanticoke Creek	Main-1	1397	500-year	114.8	173.74	175.48		175.5	0.000169	0.62	319.78	285.97	0.15
Nanticoke Creek	Main-1	1397	1000-year	129.9	173.74	175.59		175.61	0.000166	0.64	351.11	289.29	0.15
Nanticoke Creek	Main-1	1397	Hazel	224	173.74	176.12		176.14	0.000166	0.76	521.32	383.61	0.16
Nanticoke Creek	Main-1	1396	25-year	55.6	173.74	174.98		174.99	0.000117	0.42	176.1	201.95	0.12
Nanticoke Creek	Main-1	1396	50-year	68.4	173.74	175.1		175.11	0.000125	0.46	200.51	203.55	0.13
Nanticoke Creek	Main-1	1396	100-year	81.7	173.74	175.21		175.22	0.000132	0.49	223.7	206.21	0.13
Nanticoke Creek	Main-1	1396	200-year	95.6	173.74	175.32		175.33	0.000137	0.53	246.5	208.75	0.13
Nanticoke Creek	Main-1	1396	350-year	107.2	173.74	175.41		175.42	0.000141	0.56	264.5	209.94	0.14
Nanticoke Creek	Main-1	1396	500-year	114.8	173.74	175.46		175.47	0.000144	0.57	275.73	210.81	0.14
Nanticoke Creek	Main-1	1396	1000-year	129.9	173.74	175.57		175.58	0.000146	0.6	298.55	212.01	0.14
Nanticoke Creek	Main-1	1396	Hazel	224	173.74	176.09		176.12	0.000171	0.77	412.04	223.77	0.16
Nanticoke Creek	Main-1	1297	25-year	55.6	173.74	174.96		174.97	0.0002	0.53	141.25	174.26	0.15
Nanticoke Creek	Main-1	1297	50-year	68.4	173.74	175.07		175.09	0.000212	0.58	162.04	176.66	0.16
Nanticoke Creek	Main-1	1297	100-year	81.7	173.74	175.19		175.2	0.000221	0.63	181.93	179.69	0.17
Nanticoke Creek	Main-1	1297	200-year	95.6	173.74	175.29		175.31	0.000229	0.67	201.52	182.23	0.17
Nanticoke Creek	Main-1	1297	350-year	107.2	173.74	175.38		175.4	0.000235	0.7	217.08	184.39	0.18
Nanticoke Creek	Main-1	1297	500-year	114.8	173.74	175.43		175.45	0.000238	0.72	226.81	185.66	0.18
Nanticoke Creek	Main-1	1297	1000-year	129.9	173.74	175.54		175.56	0.000242	0.76	246.88	190.13	0.18
Nanticoke Creek	Main-1	1297	Hazel	224	173.74	176.06		176.09	0.000276	0.96	350.79	221.11	0.2
Nanticoke Creek	Main-1	1175	25-year	55.6	173.74	174.82		174.87	0.000955	1.06	64.58	132.59	0.33
Nanticoke Creek	Main-1	1175	50-year	68.4	173.74	174.93		174.99	0.00097	1.14	79.45	145.63	0.34
Nanticoke Creek	Main-1	1175	100-year	81.7	173.74	175.03		175.1	0.000964	1.21	94.86	146.51	0.34
Nanticoke Creek	Main-1	1175	200-year	95.6	173.74	175.13		175.2	0.000956	1.27	109.87	147.3	0.34
Nanticoke Creek	Main-1	1175	350-year	107.2	173.74	175.22		175.29	0.000944	1.31	121.99	147.98	0.35
Nanticoke Creek	Main-1	1175	500-year	114.8	173.74	175.27		175.34	0.000939	1.33	129.55	151.51	0.35
Nanticoke Creek	Main-1	1175	1000-year	129.9	173.74	175.37		175.45	0.000906	1.37	146.31	165.58	0.34
Nanticoke Creek	Main-1	1175	Hazel	224	173.74	175.88		175.97	0.000826	1.57	262.16	296.04	0.34
Nanticoke Creek	Main-1	1043	25-year	55.6	173.73	174.28	174.28	174.55	0.011022	2.3	24.56	50.05	1
Nanticoke Creek	Main-1	1043	50-year	68.4	173.73	174.36	174.36	174.66	0.010242	2.44	28.76	50.84	0.99
Nanticoke Creek	Main-1	1043	100-year	81.7	173.73	174.44	174.44	174.77	0.00985	2.58	32.65	51.45	0.99
Nanticoke Creek	Main-1	1043	200-year	95.6	173.73	174.52	174.52	174.89	0.009371	2.71	36.77	53.69	0.98
Nanticoke Creek	Main-1	1043	350-year	107.2	173.73	174.57	174.57	174.97	0.00917	2.81	39.99	55.26	0.99
Nanticoke Creek	Main-1	1043	500-year	114.8	173.73	174.62	174.62	175.03	0.008893	2.86	42.32	56.3	0.98
Nanticoke Creek	Main-1	1043	1000-year	129.9	173.73	174.66	174.66	175.13	0.009468	3.06	45.08	58.03	1.02
Nanticoke Creek	Main-1	1043	Hazel	224	173.73	175.16	175.16	175.7	0.006331	3.33	81.62	102.6	0.9

Project Name: Nanticoke Creek FHM
Project No.: 68044
River: Nanticoke Creek

B-2 HEC-RAS Hydraulic Output Summary
Model Scenario: Nanticoke_v1_Ice3 + DS XS
Ice Jam Scenario Results - 100yr Event

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nanticoke Creek	Main-1	5096	100-year	79.6	185.02	187.24		187.25	0.000124	0.62	351.56	302.22	0.13
Nanticoke Creek	Main-1	4997	100-year	79.6	184.7	187.24		187.24	0.000039	0.38	583.11	431.26	0.08
Nanticoke Creek	Main-1	4995	100-year	79.6	184.23	187.18	185.54	187.22	0.00037	1.05	92.9	444.75	0.2
Nanticoke Creek	Main-1	4974		Bridge									
Nanticoke Creek	Main-1	4944	100-year	79.6	184.24	186.17	186.17	186.62	0.006415	3.49	40.29	468.14	0.89
Nanticoke Creek	Main-1	4938	100-year	79.6	184.15	186.25	186.05	186.32	0.001298	1.78	154.94	472.32	0.42
Nanticoke Creek	Main-1	4809	100-year	79.6	184.5	186.14	185.89	186.2	0.001083	1.5	119.59	389.32	0.38
Nanticoke Creek	Main-1	4643	100-year	79.6	184.27	185.94	185.19	186.04	0.001	1.46	60.15	274.42	0.36
Nanticoke Creek	Main-1	4548	100-year	79.6	184.25	186	185.41	186	0.000023	0.23	367.1	232.95	0.06
Nanticoke Creek	Main-1	4439	100-year	79.6	183.97	185.54	185.54	185.95	0.006323	3.47	48.45	148.77	0.9
Nanticoke Creek	Main-1	4345	100-year	79.6	183.45	184.79	184.79	185.11	0.005215	2.84	55.51	107.91	0.8
Nanticoke Creek	Main-1	4263	100-year	79.6	182.64	183.67	183.67	184.11	0.008776	3.16	37.31	65.25	1
Nanticoke Creek	Main-1	4168	100-year	79.6	182	183.04		183.19	0.003288	1.92	60.64	87.61	0.61
Nanticoke Creek	Main-1	4069	100-year	79.6	181.24	182.46	182.4	182.71	0.007818	3.29	60.02	87.42	0.96
Nanticoke Creek	Main-1	4017	100-year	79.6	180.69	181.59	181.59	181.89	0.009056	2.9	50.05	91.91	0.99
Nanticoke Creek	Main-1	3948	100-year	79.6	179.58	180.65	180.61	180.83	0.006462	2.67	75.62	141.84	0.85
Nanticoke Creek	Main-1	3866	100-year	79.6	178.94	179.95	179.95	180.15	0.008834	3.05	76.47	181.21	0.99
Nanticoke Creek	Main-1	3787	100-year	79.6	178.57	179.51		179.57	0.0048	2.16	120.16	266.74	0.72
Nanticoke Creek	Main-1	3691	100-year	79.6	178.09	179.16		179.2	0.003205	1.87	123.16	211.39	0.6
Nanticoke Creek	Main-1	3541	100-year	79.6	177.44	178.98		179.01	0.001002	1.03	143.98	198.77	0.33
Nanticoke Creek	Main-1	3427	100-year	79.6	177.05	178.82		178.89	0.001531	1.83	130.53	170.93	0.45
Nanticoke Creek	Main-1	3355	100-year	79.6	176.92	178.64		178.77	0.002173	2.17	98.91	134.93	0.53
Nanticoke Creek	Main-1	3277	100-year	79.6	176.68	178.65	177.61	178.69	0.000354	0.97	135.26	133.12	0.22
Nanticoke Creek	Main-1	3146	100-year	79.6	176.67	178.63		178.65	0.000203	0.6	150.6	121.97	0.16
Nanticoke Creek	Main-1	3048	100-year	79.6	176.67	178.58		178.62	0.000378	0.99	100.77	87.44	0.23
Nanticoke Creek	Main-1	2922	100-year	79.6	176.67	178.53		178.59	0.000756	1.39	88.06	100.07	0.32
Nanticoke Creek	Main-1	2921	100-year	79.6	176.67	178.47		178.54	0.000805	1.4	90.57	95.09	0.33
Nanticoke Creek	Main-1	2867	100-year	79.6	176.58	178.46		178.5	0.000596	1.2	103.49	89.41	0.28
Nanticoke Creek	Main-1	2815	100-year	79.6	176.57	178.4		178.47	0.001445	1.63	91.65	79.76	0.38
Nanticoke Creek	Main-1	2814	100-year	79.6	176.22	178.39		178.45	0.000571	1.24	85.6	80.05	0.28
Nanticoke Creek	Main-1	2811	100-year	79.6	176.22	178.35	177.52	178.44	0.000674	1.34	65.37	80.65	0.31
Nanticoke Creek	Main-1	2791		Culvert									
Nanticoke Creek	Main-1	2776	100-year	81.7	176.3	177.74	177.51	178.01	0.003371	2.4	36.63	38.63	0.65
Nanticoke Creek	Main-1	2769	100-year	81.7	176.35	177.73		177.98	0.003884	2.44	49.05	65.01	0.68
Nanticoke Creek	Main-1	2694	100-year	81.7	176.52	177.84		177.87	0.000598	0.97	113.95	101.54	0.27
Nanticoke Creek	Main-1	2693	100-year	81.7	176.26	177.48	177.35	177.8	0.005159	2.69	39.84	137.39	0.79
Nanticoke Creek	Main-1	2577	100-year	81.7	175.89	177.16		177.29	0.016794	1.97	62.22	107.42	0.64
Nanticoke Creek	Main-1	2576	100-year	81.7	174.96	176.51	176.18	176.65	0.009638	1.78	68.54	154.68	0.51
Nanticoke Creek	Main-1	2485	100-year	81.7	174.33	176.19		176.21	0.002434	1.03	165.88	232.84	0.26
Nanticoke Creek	Main-1	2386	100-year	81.7	173.74	176.1		176.11	0.000712	0.67	189.81	160.6	0.15
Nanticoke Creek	Main-1	2313	100-year	81.7	173.74	176.07		176.07	0.000257	0.4	297.29	213.44	0.09
Nanticoke Creek	Main-1	2229	100-year	81.7	173.74	176.05		176.06	0.000279	0.41	283.89	201.12	0.09
Nanticoke Creek	Main-1	2228	100-year	81.7	173.74	176.04		176.05	0.000231	0.38	287.47	187.25	0.08
Nanticoke Creek	Main-1	2053	100-year	81.7	173.74	176.02		176.03	0.000224	0.36	297.54	202.07	0.08
Nanticoke Creek	Main-1	2052	100-year	81.7	173.74	176		176.01	0.000245	0.38	278.75	181.49	0.09
Nanticoke Creek	Main-1	1990	100-year	81.7	173.74	175.99		175.99	0.000324	0.44	246.95	173.21	0.1
Nanticoke Creek	Main-1	1891	100-year	81.7	173.74	175.95		175.95	0.000409	0.49	223.59	202	0.11
Nanticoke Creek	Main-1	1792	100-year	81.7	173.74	175.89	174.65	175.9	0.000531	0.54	170.22	177.36	0.13
Nanticoke Creek	Main-1	1693	100-year	81.7	173.74	175.85		175.86	0.000293	0.4	257.22	180.97	0.09
Nanticoke Creek	Main-1	1610	100-year	81.7	173.74	175.82		175.83	0.000273	0.38	296.83	240.19	0.09
Nanticoke Creek	Main-1	1513	100-year	81.7	173.74	175.81		175.81	0.000244	0.36	310.81	278.02	0.09
Nanticoke Creek	Main-1	1397	100-year	81.7	173.74	175.78		175.79	0.000281	0.38	326.77	287.29	0.09
Nanticoke Creek	Main-1	1396	100-year	81.7	173.74	175.74		175.74	0.000285	0.38	275.9	210.83	0.09
Nanticoke Creek	Main-1	1297	100-year	81.7	173.74	175.69		175.7	0.000484	0.48	224.19	185.12	0.12
Nanticoke Creek	Main-1	1175	100-year	81.7	173.74	175.41	174.78	175.45	0.002934	1.03	109.42	147.27	0.28
Nanticoke Creek	Main-1	1043	100-year	81.7	173.73	174.44	174.44	174.77	0.00985	2.58	32.65	51.45	0.99

APPENDIX C – TAILWATER SENSITIVTY ANALYSIS

River Nanticoke Creek

Reach Main-1

Scenarios:

A AEP Stillwater TWC with 2yr Q

B Max Mean Month (all time) TWC + AEP Q

Converged XS	2576	
Scenario A Distance	1533	m
TWC Max Difference	1.36	m
Governs at outlet	**A**	

25-year **Event**

			A	A	B	B		
Reach	**River Sta**	**Profile**	**2-yr Q**	**W.S. Elev**	**AEP Q**	**W.S. Elev**	**Difference**	**Higher WSE**
			(m3/s)	**(m)**	**(m3/s)**	**(m)**		**(m)**
Main-1	2814	25-year	15.3	177.04	54	177.9	-0.86	B
Main-1	2811	25-year	15.3	177.02	54	177.88	-0.86	B
Main-1	2791		Culvert		Culvert		0	B
Main-1	2776	25-year	16.1	177.00	55.6	177.57	-0.57	B
Main-1	2769	25-year	16.1	176.87	55.6	177.43	-0.56	B
Main-1	2694	25-year	16.1	176.92	55.6	177.55	-0.63	B
Main-1	2693	25-year	16.1	176.76	55.6	177.15	-0.39	B
Main-1	2577	25-year	16.1	176.13	55.6	176.53	-0.4	B
Main-1	2576	25-year	16.1	175.66	55.6	175.82	-0.16	B
Main-1	2485	25-year	16.1	175.65	55.6	175.37	0.28	A
Main-1	2386	25-year	16.1	175.65	55.6	175.16	0.49	A
Main-1	2313	25-year	16.1	175.65	55.6	175.14	0.51	A
Main-1	2229	25-year	16.1	175.65	55.6	175.13	0.52	A
Main-1	2228	25-year	16.1	175.65	55.6	175.13	0.52	A
Main-1	2053	25-year	16.1	175.65	55.6	175.11	0.54	A
Main-1	2052	25-year	16.1	175.65	55.6	175.11	0.54	A
Main-1	1990	25-year	16.1	175.65	55.6	175.09	0.56	A
Main-1	1891	25-year	16.1	175.65	55.6	175.07	0.58	A
Main-1	1792	25-year	16.1	175.65	55.6	175.04	0.61	A
Main-1	1693	25-year	16.1	175.65	55.6	175.03	0.62	A
Main-1	1610	25-year	16.1	175.65	55.6	175.01	0.64	A
Main-1	1513	25-year	16.1	175.65	55.6	175.01	0.64	A
Main-1	1397	25-year	16.1	175.65	55.6	175	0.65	A
Main-1	1396	25-year	16.1	175.65	55.6	174.98	0.67	A
Main-1	1297	25-year	16.1	175.65	55.6	174.96	0.69	A
Main-1	1175	25-year	16.1	175.65	55.6	174.82	0.83	A
Main-1	1043	25-year	16.1	175.64	55.6	174.28	1.36	A

River Nanticoke Creek

Reach Main-1

Scenarios:

A AEP Stillwater TWC with 2yr Q

B Max Mean Month (all time) TWC + AEP Q

Converged XS	2576	
Scenario A Distance	1533	m
TWC Max Difference	1.40	m
Governs at outlet	**A**	

100-year **Regulatory Event**

Reach	River Sta	Profile	A 2-yr Q (m3/s)	A W.S. Elev (m)	B AEP Q (m3/s)	B W.S. Elev (m)	Difference	Higher WSE (m)
Main-1	2814	100-year	16.1	177.04	79.6	178.39	-1.35	B
Main-1	2811	100-year	16.1	177.02	79.6	178.35	-1.33	B
Main-1	2791		Culvert		Culvert		0	B
Main-1	2776	100-year	16.1	177	81.7	177.73	-0.73	B
Main-1	2769	100-year	16.1	176.87	81.7	177.72	-0.85	B
Main-1	2694	100-year	16.1	176.92	81.7	177.84	-0.92	B
Main-1	2693	100-year	16.1	176.76	81.7	177.35	-0.59	B
Main-1	2577	100-year	16.1	176.13	81.7	176.69	-0.56	B
Main-1	2576	100-year	16.1	175.85	81.7	175.94	-0.09	B
Main-1	2485	100-year	16.1	175.85	81.7	175.52	0.33	A
Main-1	2386	100-year	16.1	175.85	81.7	175.41	0.44	A
Main-1	2313	100-year	16.1	175.85	81.7	175.39	0.46	A
Main-1	2229	100-year	16.1	175.85	81.7	175.38	0.47	A
Main-1	2228	100-year	16.1	175.85	81.7	175.38	0.47	A
Main-1	2053	100-year	16.1	175.85	81.7	175.36	0.49	A
Main-1	2052	100-year	16.1	175.85	81.7	175.35	0.5	A
Main-1	1990	100-year	16.1	175.85	81.7	175.34	0.51	A
Main-1	1891	100-year	16.1	175.85	81.7	175.31	0.54	A
Main-1	1792	100-year	16.1	175.85	81.7	175.28	0.57	A
Main-1	1693	100-year	16.1	175.85	81.7	175.27	0.58	A
Main-1	1610	100-year	16.1	175.85	81.7	175.25	0.6	A
Main-1	1513	100-year	16.1	175.85	81.7	175.24	0.61	A
Main-1	1397	100-year	16.1	175.85	81.7	175.23	0.62	A
Main-1	1396	100-year	16.1	175.85	81.7	175.21	0.64	A
Main-1	1297	100-year	16.1	175.85	81.7	175.19	0.66	A
Main-1	1175	100-year	16.1	175.84	81.7	175.03	0.81	A
Main-1	1043	100-year	16.1	175.84	81.7	174.44	1.4	A

River Nanticoke Creek

Reach Main-1

Scenarios:

A AEP Stillwater TWC with 2yr Q

B Max Mean Month (all time) TWC + AEP Q

Converged XS	2576	
Scenario A Distance	1533	m
TWC Max Difference	1.40	m
Governs at outlet	**A**	

200-year **Event**

Reach	River Sta	Profile	A 2-yr Q (m3/s)	A W.S. Elev (m)	B AEP Q (m3/s)	B W.S. Elev (m)	Difference	Higher WSE (m)
Main-1	2814	200-year	15.3	177.04	93.3	178.63	-1.59	B
Main-1	2811	200-year	15.3	177.02	93.3	178.58	-1.56	B
Main-1	2791		Culvert		Culvert		0	B
Main-1	2776	200-year	16.1	177.00	95.6	177.86	-0.86	B
Main-1	2769	200-year	16.1	176.87	95.6	177.86	-0.99	B
Main-1	2694	200-year	16.1	176.92	95.6	177.97	-1.05	B
Main-1	2693	200-year	16.1	176.76	95.6	177.46	-0.7	B
Main-1	2577	200-year	16.1	176.13	95.6	176.79	-0.66	B
Main-1	2576	200-year	16.1	175.93	95.6	176.01	-0.08	B
Main-1	2485	200-year	16.1	175.93	95.6	175.57	0.36	A
Main-1	2386	200-year	16.1	175.93	95.6	175.52	0.41	A
Main-1	2313	200-year	16.1	175.93	95.6	175.51	0.42	A
Main-1	2229	200-year	16.1	175.93	95.6	175.5	0.43	A
Main-1	2228	200-year	16.1	175.93	95.6	175.49	0.44	A
Main-1	2053	200-year	16.1	175.93	95.6	175.48	0.45	A
Main-1	2052	200-year	16.1	175.93	95.6	175.47	0.46	A
Main-1	1990	200-year	16.1	175.93	95.6	175.45	0.48	A
Main-1	1891	200-year	16.1	175.93	95.6	175.42	0.51	A
Main-1	1792	200-year	16.1	175.93	95.6	175.39	0.54	A
Main-1	1693	200-year	16.1	175.93	95.6	175.38	0.55	A
Main-1	1610	200-year	16.1	175.93	95.6	175.36	0.57	A
Main-1	1513	200-year	16.1	175.93	95.6	175.36	0.57	A
Main-1	1397	200-year	16.1	175.93	95.6	175.34	0.59	A
Main-1	1396	200-year	16.1	175.93	95.6	175.32	0.61	A
Main-1	1297	200-year	16.1	175.93	95.6	175.29	0.64	A
Main-1	1175	200-year	16.1	175.92	95.6	175.13	0.79	A
Main-1	1043	200-year	16.1	175.92	95.6	174.52	1.4	A

River Nanticoke Creek

Reach Main-1

Scenarios:

A AEP Stillwater TWC with 2yr Q

B Max Mean Month (all time) TWC + AEP Q

Converged XS	2576	
Scenario A Distance	1533	m
TWC Max Difference	1.35	m
Governs at outlet	**A**	

350-year **Event**

Reach	River Sta	Profile	A 2-yr Q (m3/s)	A W.S. Elev (m)	B AEP Q (m3/s)	B W.S. Elev (m)	Difference	Higher WSE (m)
Main-1	2814	350-year	15.3	177.04	104.8	178.82	-1.78	B
Main-1	2811	350-year	15.3	177.02	104.8	178.77	-1.75	B
Main-1	2791		Culvert		Culvert		0	B
Main-1	2776	350-year	16.1	177.00	107.2	177.76	-0.76	B
Main-1	2769	350-year	16.1	176.87	107.2	177.74	-0.87	B
Main-1	2694	350-year	16.1	176.92	107.2	177.58	-0.66	B
Main-1	2693	350-year	16.1	176.76	107.2	177.52	-0.76	B
Main-1	2577	350-year	16.1	176.13	107.2	176.79	-0.66	B
Main-1	2576	350-year	16.1	175.93	107.2	176.11	-0.18	B
Main-1	2485	350-year	16.1	175.93	107.2	175.61	0.32	A
Main-1	2386	350-year	16.1	175.93	107.2	175.62	0.31	A
Main-1	2313	350-year	16.1	175.93	107.2	175.6	0.33	A
Main-1	2229	350-year	16.1	175.93	107.2	175.59	0.34	A
Main-1	2228	350-year	16.1	175.93	107.2	175.58	0.35	A
Main-1	2053	350-year	16.1	175.93	107.2	175.57	0.36	A
Main-1	2052	350-year	16.1	175.93	107.2	175.56	0.37	A
Main-1	1990	350-year	16.1	175.93	107.2	175.54	0.39	A
Main-1	1891	350-year	16.1	175.93	107.2	175.51	0.42	A
Main-1	1792	350-year	16.1	175.93	107.2	175.48	0.45	A
Main-1	1693	350-year	16.1	175.93	107.2	175.47	0.46	A
Main-1	1610	350-year	16.1	175.93	107.2	175.45	0.48	A
Main-1	1513	350-year	16.1	175.93	107.2	175.44	0.49	A
Main-1	1397	350-year	16.1	175.93	107.2	175.43	0.5	A
Main-1	1396	350-year	16.1	175.93	107.2	175.41	0.52	A
Main-1	1297	350-year	16.1	175.93	107.2	175.38	0.55	A
Main-1	1175	350-year	16.1	175.92	107.2	175.22	0.7	A
Main-1	1043	350-year	16.1	175.92	107.2	174.57	1.35	A

River Nanticoke Creek

Reach Main-1

Scenarios:

A AEP Stillwater TWC with 2yr Q

B Max Mean Month (all time) TWC + AEP Q

Converged XS	2576	
Scenario A Distance	1533	m
TWC Max Difference	1.30	m
Governs at outlet	**A**	

500-year **Event**

Reach	River Sta	Profile	A 2-yr Q (m3/s)	A W.S. Elev (m)	B AEP Q (m3/s)	B W.S. Elev (m)	Difference	Higher WSE (m)
Main-1	2814	500-year	15.3	177.04	112.2	178.94	-1.9	B
Main-1	2811	500-year	15.3	177.02	112.2	178.88	-1.86	B
Main-1	2791		Culvert		Culvert		0	B
Main-1	2776	500-year	16.1	177.00	114.8	177.81	-0.81	B
Main-1	2769	500-year	16.1	176.87	114.8	177.79	-0.92	B
Main-1	2694	500-year	16.1	176.92	114.8	177.59	-0.67	B
Main-1	2693	500-year	16.1	176.76	114.8	177.52	-0.76	B
Main-1	2577	500-year	16.1	176.13	114.8	176.83	-0.7	B
Main-1	2576	500-year	16.1	175.93	114.8	176.11	-0.18	B
Main-1	2485	500-year	16.1	175.93	114.8	175.64	0.29	A
Main-1	2386	500-year	16.1	175.93	114.8	175.67	0.26	A
Main-1	2313	500-year	16.1	175.93	114.8	175.66	0.27	A
Main-1	2229	500-year	16.1	175.93	114.8	175.64	0.29	A
Main-1	2228	500-year	16.1	175.93	114.8	175.64	0.29	A
Main-1	2053	500-year	16.1	175.93	114.8	175.62	0.31	A
Main-1	2052	500-year	16.1	175.93	114.8	175.61	0.32	A
Main-1	1990	500-year	16.1	175.93	114.8	175.59	0.34	A
Main-1	1891	500-year	16.1	175.93	114.8	175.57	0.36	A
Main-1	1792	500-year	16.1	175.93	114.8	175.53	0.4	A
Main-1	1693	500-year	16.1	175.93	114.8	175.52	0.41	A
Main-1	1610	500-year	16.1	175.93	114.8	175.5	0.43	A
Main-1	1513	500-year	16.1	175.93	114.8	175.5	0.43	A
Main-1	1397	500-year	16.1	175.93	114.8	175.48	0.45	A
Main-1	1396	500-year	16.1	175.93	114.8	175.46	0.47	A
Main-1	1297	500-year	16.1	175.93	114.8	175.43	0.5	A
Main-1	1175	500-year	16.1	175.92	114.8	175.27	0.65	A
Main-1	1043	500-year	16.1	175.92	114.8	174.62	1.3	A

River Nanticoke Creek

Reach Main-1

Scenarios:

A AEP Stillwater TWC with 2yr Q

B Max Mean Month (all time) TWC + AEP Q

Converged XS	2576	
Scenario A Distance	1533	m
TWC Max Difference	1.26	m
Governs at outlet	**A**	

1000-year **Event**

Reach	River Sta	Profile	A 2-yr Q (m3/s)	A W.S. Elev (m)	B AEP Q (m3/s)	B W.S. Elev (m)	Difference	Higher WSE (m)
Main-1	2814	1000-year	15.3	177.04	127.1	179.18	-2.14	B
Main-1	2811	1000-year	15.3	177.02	127.1	179.11	-2.09	B
Main-1	2791		Culvert		Culvert		0	B
Main-1	2776	1000-year	16.1	177.00	129.9	177.88	-0.88	B
Main-1	2769	1000-year	16.1	176.87	129.9	177.88	-1.01	B
Main-1	2694	1000-year	16.1	176.92	129.9	177.61	-0.69	B
Main-1	2693	1000-year	16.1	176.76	129.9	177.52	-0.76	B
Main-1	2577	1000-year	16.1	176.13	129.9	177.03	-0.9	B
Main-1	2576	1000-year	16.1	175.93	129.9	176.3	-0.37	B
Main-1	2485	1000-year	16.1	175.93	129.9	175.78	0.15	A
Main-1	2386	1000-year	16.1	175.93	129.9	175.78	0.15	A
Main-1	2313	1000-year	16.1	175.93	129.9	175.77	0.16	A
Main-1	2229	1000-year	16.1	175.93	129.9	175.75	0.18	A
Main-1	2228	1000-year	16.1	175.93	129.9	175.75	0.18	A
Main-1	2053	1000-year	16.1	175.93	129.9	175.73	0.2	A
Main-1	2052	1000-year	16.1	175.93	129.9	175.72	0.21	A
Main-1	1990	1000-year	16.1	175.93	129.9	175.7	0.23	A
Main-1	1891	1000-year	16.1	175.93	129.9	175.68	0.25	A
Main-1	1792	1000-year	16.1	175.93	129.9	175.64	0.29	A
Main-1	1693	1000-year	16.1	175.93	129.9	175.63	0.3	A
Main-1	1610	1000-year	16.1	175.93	129.9	175.61	0.32	A
Main-1	1513	1000-year	16.1	175.93	129.9	175.61	0.32	A
Main-1	1397	1000-year	16.1	175.93	129.9	175.59	0.34	A
Main-1	1396	1000-year	16.1	175.93	129.9	175.57	0.36	A
Main-1	1297	1000-year	16.1	175.93	129.9	175.54	0.39	A
Main-1	1175	1000-year	16.1	175.92	129.9	175.37	0.55	A
Main-1	1043	1000-year	16.1	175.92	129.9	174.66	1.26	A

River Nanticoke Creek

Reach Main-1

Scenarios:

A AEP Stillwater TWC with 2yr Q

B Max Mean Month (all time) TWC + AEP Q

Converged XS	1297	
Scenario A Distance	254	m
TWC Max Difference	0.76	m
Governs at outlet	**A**	

Hazel **Event**

Reach	River Sta	Profile	A 2-yr Q (m3/s)	A W.S. Elev (m)	B AEP Q (m3/s)	B W.S. Elev (m)	Difference	Higher WSE (m)
Main-1	2814	Hazel	15.3	177.04	227.4	180.55	-3.51	B
Main-1	2811	Hazel	15.3	177.02	227.4	180.43	-3.41	B
Main-1	2791		Culvert		Culvert		0	B
Main-1	2776	Hazel	16.1	177.00	224	178.41	-1.41	B
Main-1	2769	Hazel	16.1	176.87	224	178.31	-1.44	B
Main-1	2694	Hazel	16.1	176.92	224	177.87	-0.95	B
Main-1	2693	Hazel	16.1	176.76	224	177.73	-0.97	B
Main-1	2577	Hazel	16.1	176.13	224	177.32	-1.19	B
Main-1	2576	Hazel	16.1	175.93	224	176.64	-0.71	B
Main-1	2485	Hazel	16.1	175.93	224	176.37	-0.44	B
Main-1	2386	Hazel	16.1	175.93	224	176.34	-0.41	B
Main-1	2313	Hazel	16.1	175.93	224	176.33	-0.4	B
Main-1	2229	Hazel	16.1	175.93	224	176.31	-0.38	B
Main-1	2228	Hazel	16.1	175.93	224	176.3	-0.37	B
Main-1	2053	Hazel	16.1	175.93	224	176.28	-0.35	B
Main-1	2052	Hazel	16.1	175.93	224	176.27	-0.34	B
Main-1	1990	Hazel	16.1	175.93	224	176.25	-0.32	B
Main-1	1891	Hazel	16.1	175.93	224	176.22	-0.29	B
Main-1	1792	Hazel	16.1	175.93	224	176.17	-0.24	B
Main-1	1693	Hazel	16.1	175.93	224	176.16	-0.23	B
Main-1	1610	Hazel	16.1	175.93	224	176.14	-0.21	B
Main-1	1513	Hazel	16.1	175.93	224	176.14	-0.21	B
Main-1	1397	Hazel	16.1	175.93	224	176.12	-0.19	B
Main-1	1396	Hazel	16.1	175.93	224	176.09	-0.16	B
Main-1	1297	Hazel	16.1	175.93	224	176.06	-0.13	B
Main-1	1175	Hazel	16.1	175.92	224	175.88	0.04	A
Main-1	1043	Hazel	16.1	175.92	224	175.16	0.76	A

APPENDIX D – REGULATORY FLOODPLAIN MAPPING

Long Point Region Conservation Authority

Legend

- Municipal Boundary
- Parcels
- Nanticoke Creek Subwatershed
- Study Area Limit
- Contour (1m)
- Contour (0.5m)
- Watercourse
- Trail
- Railway
- Building Footprint
- Flow Monitoring Gauge
- COSINE Horizontal Benchmark (NAD83 CSRS)
- COSINE Vertical Benchmark (CGVD2013)
- Spot Elevation
- 25yr Floodlines
- 100yr Floodlines
- Regional Floodlines
- Cross Sections (**XS Name:** 100yr WSE, Regional WSE)

LOCATOR MAP



Nanticoke Creek Flood Hazard Mapping
Floodplain Mapping (1)

Date: 2026-10-23
Projection: NAD83 CSRS UTM Zone 17N / CGVD2013
Data Source: LPRCA, Norfolk County, OMNRF, LIO
Created by: A.V.

0 100 200 300 400
Meters

N

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The accuracy of the displayed base map and flood hazard data has been verified to meet required accuracy and resolution standards.

Long Point Region Conservation Authority
4 Elm Street, Tillsonburg, ON N4G 0C4
Phone: 519-842-4242

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Long Point Region Conservation Authority

Legend

- Municipal Boundary
- Parcels
- Nanticoke Creek Subwatershed
- Study Area Limit
- Contour (1m)
- Contour (0.5m)
- Watercourse
- Trail
- Railway
- Building Footprint
- Flow Monitoring Gauge
- COSINE Horizontal Benchmark (NAD83 CSRS)
- COSINE Vertical Benchmark (CGVD2013)
- Spot Elevation
- 25yr Floodlines
- 100yr Floodlines
- Regional Floodlines
- Cross Sections (**XS Name:** 100yr WSE, Regional WSE)

LOCATOR MAP



Nanticoke Creek Flood Hazard Mapping
Floodplain Mapping (2)

Date: 2026-10-23
Projection: NAD83 CSRS UTM Zone 17N / CGVD2013
Data Source: LPRCA, Norfolk County, OMNRF, LIO
Created by: A.V.

0 100 200 300 400 Meters

N

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Phone: 519-842-4242

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Long Point Region Conservation Authority

Legend

- Municipal Boundary
- Parcels
- Nanticoke Creek Subwatershed
- Study Area Limit
- Contour (1m)
- Contour (0.5m)
- Watercourse
- Trail
- Railway
- Building Footprint
- Flow Monitoring Gauge
- COSINE Horizontal Benchmark (NAD83 CSRS)
- COSINE Vertical Benchmark (CGVD2013)
- Spot Elevation
- 25yr Floodlines
- 100yr Floodlines
- Regional Floodlines
- Cross Sections (**XS Name:** 100yr WSE, Regional WSE)

LOCATOR MAP



Nanticoke Creek Flood Hazard Mapping
Floodplain Mapping (3)

Date: 2026-10-23
Projection: NAD83 CSRS UTM Zone 17N / CGVD2013
Data Source: LPRCA, Norfolk County, OMNRF, LIO
Created by: A.V.

0 100 200 300 400
Meters

N

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Long Point Region Conservation Authority

Legend

- Municipal Boundary
- Parcels
- Nanticoke Creek Subwatershed
- Study Area Limit
- Contour (1m)
- Contour (0.5m)
- Watercourse
- Trail
- Railway
- Building Footprint
- Flow Monitoring Gauge
- COSINE Horizontal Benchmark (NAD83 CSRS)
- COSINE Vertical Benchmark (CGVD2013)
- Spot Elevation
- 25yr Floodlines
- 100yr Floodlines
- Regional Floodlines
- Cross Sections (**XS Name:** 100yr WSE, Regional WSE)

LOCATOR MAP



Nanticoke Creek Flood Hazard Mapping
Floodplain Mapping (4)

Date: 2026-10-23
Projection: NAD83 CSRS UTM Zone 17N / CGVD2013
Data Source: LPRCA, Norfolk County, OMNRF, LIO
Created by: A.V.

0 100 200 300 400
Meters

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Aquafor Beech

Ontario

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Legend

- Municipal Boundary
- Parcels
- Nanticoke Creek Subwatershed
- Study Area Limit
- Contour (1m)
- Contour (0.5m)
- Watercourse
- Trail
- Railway
- Building Footprint
- Flow Monitoring Gauge
- COSINE Horizontal Benchmark (NAD83 CSRS)
- COSINE Vertical Benchmark (CGVD2013)
- Spot Elevation
- 25yr Floodlines
- 100yr Floodlines
- Regional Floodlines
- Cross Sections (**XS Name:** 100yr WSE, Regional WSE)

LOCATOR MAP



Nanticoke Creek Flood Hazard Mapping
Floodplain Mapping (5)

Date: 2026-10-23
Projection: NAD83 CSRS UTM Zone 17N / CGVD2013
Data Source: LPRCA, Norfolk County, OMNRF, LIO
Created by: A.V.

0 100 200 300 400 Meters

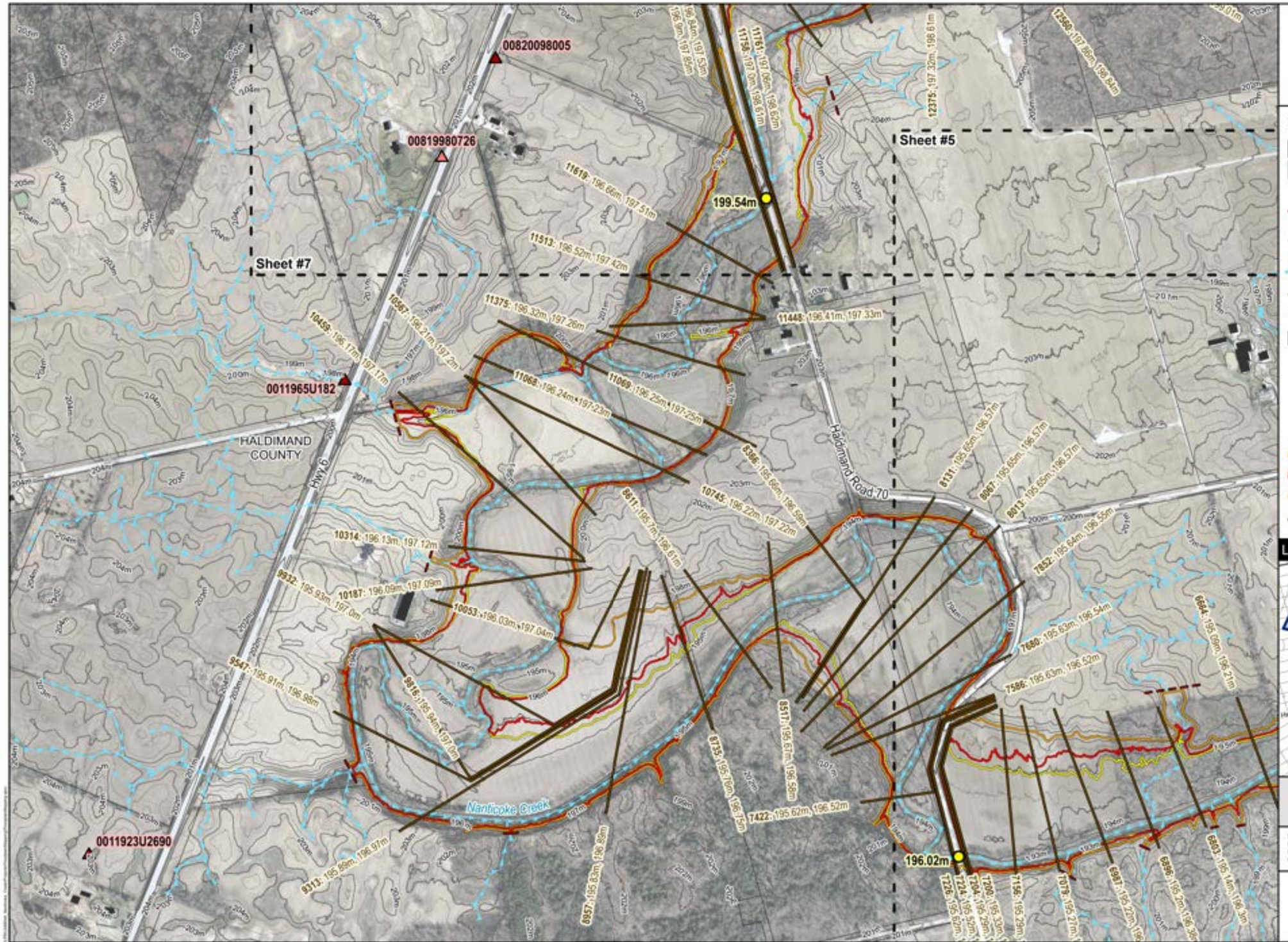
N

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Long Point Region Conservation Authority

Legend

- Municipal Boundary
- Parcels
- Nanticoke Creek Subwatershed
- Study Area Limit
- Contour (1m)
- Contour (0.5m)
- Watercourse
- Trail
- Railway
- Building Footprint
- Flow Monitoring Gauge
- COSINE Horizontal Benchmark (NAD83 CSRS)
- COSINE Vertical Benchmark (CGVD2013)
- Spot Elevation
- 25yr Floodlines
- 100yr Floodlines
- Regional Floodlines
- Cross Sections (**XS Name:** 100yr WSE, Regional WSE)

LOCATOR MAP



Nanticoke Creek Flood Hazard Mapping
Floodplain Mapping (6)

Date: 2026-10-23
Projection: NAD83 CSRS UTM Zone 17N / CGVD2013
Data Source: LPRCA, Norfolk County, OMNRF, LIO
Created by: A.V.

0 100 200 300 400 Meters

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Long Point Region Conservation Authority

Legend

- Municipal Boundary
- Parcels
- Nanticoke Creek Subwatershed
- Study Area Limit
- Contour (1m)
- Contour (0.5m)
- Watercourse
- Trail
- Railway
- Building Footprint
- Flow Monitoring Gauge
- COSINE Horizontal Benchmark (NAD83 CSRS)
- COSINE Vertical Benchmark (CGVD2013)
- Spot Elevation
- 25yr Floodlines
- 100yr Floodlines
- Regional Floodlines
- Cross Sections (**XS Name:** 100yr WSE, Regional WSE)

LOCATOR MAP



Nanticoke Creek Flood Hazard Mapping
Floodplain Mapping (7)

Date: 2026-10-23
Projection: NAD83 CSRS UTM Zone 17N / CGVD2013
Data Source: LPRCA, Norfolk County, OMNRF, LIO
Created by: A.V.

0 100 200 300 400
Meters

N

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Long Point Region Conservation Authority

Legend

- Municipal Boundary
- Parcels
- Nanticoke Creek Subwatershed
- Study Area Limit
- Contour (1m)
- Contour (0.5m)
- Watercourse
- Trail
- Railway
- Building Footprint
- Flow Monitoring Gauge
- COSINE Horizontal Benchmark (NAD83 CSRS)
- COSINE Vertical Benchmark (CGVD2013)
- Spot Elevation
- 25yr Floodlines
- 100yr Floodlines
- Regional Floodlines
- Cross Sections (**XS Name:** 100yr WSE, Regional WSE)

LOCATOR MAP



Nanticoke Creek Flood Hazard Mapping
Floodplain Mapping (8)

Date: 2026-10-23
Projection: NAD83 CSRS UTM Zone 17N / CGVD2013
Data Source: LPRCA, Norfolk County, OMNRF, LIO
Created by: A.V.

0 100 200 300 400 Meters

N

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Long Point Region Conservation Authority

Legend

- Municipal Boundary
- Parcels
- Nanticoke Creek Subwatershed
- Study Area Limit
- Contour (1m)
- Contour (0.5m)
- Watercourse
- Trail
- Railway
- Building Footprint
- Flow Monitoring Gauge
- COSINE Horizontal Benchmark (NAD83 CSRS)
- COSINE Vertical Benchmark (CGVD2013)
- Spot Elevation
- 25yr Floodlines
- 100yr Floodlines
- Regional Floodlines
- Cross Sections (**XS Name:** 100yr WSE, Regional WSE)

LOCATOR MAP



Nanticoke Creek Flood Hazard Mapping
Floodplain Mapping (9)

Date: 2026-10-23
Projection: NAD83 CSRS UTM Zone 17N / CGVD2013
Data Source: LPRCA, Norfolk County, OMNRF, LIO
Created by: A.V.

0 100 200 300 400 Meters

N

Sheet #10

Sheet #8

HALDIMAND COUNTY

Conc 14 Townsend

Keith Richardson Pky

Townline Rd

201.07m

202.05m

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Long Point Region Conservation Authority

Legend

- Municipal Boundary
- Parcels
- Nanticoke Creek Subwatershed
- Study Area Limit
- Contour (1m)
- Contour (0.5m)
- Watercourse
- Trail
- Railway
- Building Footprint
- Flow Monitoring Gauge
- COSINE Horizontal Benchmark (NAD83 CSRS)
- COSINE Vertical Benchmark (CGVD2013)
- Spot Elevation
- 25yr Floodlines
- 100yr Floodlines
- Regional Floodlines
- Cross Sections (**XS Name:** 100yr WSE, Regional WSE)

LOCATOR MAP



Nanticoke Creek Flood Hazard Mapping
Floodplain Mapping (10)

Date: 2026-10-23
Projection: NAD83 CSRS UTM Zone 17N / CGVD2013
Data Source: LPRCA, Norfolk County, OMNRF, LIO
Created by: A.V.

0 100 200 300 400 Meters

N

Sheet #11

Sheet #9

HALDIMAND COUNTY

Conc 13 Townsend

Townsend Pkwy

203.98m

201.07m

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Phone: 519-842-4242

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Long Point Region Conservation Authority

Legend

- Municipal Boundary
- Parcels
- Nanticoke Creek Subwatershed
- Study Area Limit
- Contour (1m)
- Contour (0.5m)
- Watercourse
- Trail
- Railway
- Building Footprint
- Flow Monitoring Gauge
- COSINE Horizontal Benchmark (NAD83 CSRS)
- COSINE Vertical Benchmark (CGVD2013)
- Spot Elevation
- 25yr Floodlines
- 100yr Floodlines
- Regional Floodlines
- Cross Sections (**XS Name:** 100yr WSE, Regional WSE)

LOCATOR MAP



Nanticoke Creek Flood Hazard Mapping
Floodplain Mapping (11)

Date: 2026-10-23
Projection: NAD83 CSRS UTM Zone 17N / CGVD2013
Data Source: LPRCA, Norfolk County, OMNRF, LIO
Created by: A.V.

0 100 200 300 400 Meters

N

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Phone: 519-842-4242

Canada Ontario

Long Point Region Conservation Authority

Legend

- Municipal Boundary
- Parcels
- Nanticoke Creek Subwatershed
- Study Area Limit
- Contour (1m)
- Contour (0.5m)
- Watercourse
- Trail
- Railway
- Building Footprint
- Flow Monitoring Gauge
- COSINE Horizontal Benchmark (NAD83 CSRS)
- COSINE Vertical Benchmark (CGVD2013)
- Spot Elevation
- 25yr Floodlines
- 100yr Floodlines
- Regional Floodlines
- Cross Sections (**XS Name:** 100yr WSE, Regional WSE)

LOCATOR MAP



Nanticoke Creek Flood Hazard Mapping
Floodplain Mapping (12)

Date: 2026-10-23
Projection: NAD83 CSRS UTM Zone 17N / CGVD2013
Data Source: LPRCA, Norfolk County, OMNRF, LIO
Created by: A.V.

0 100 200 300 400 Meters

N

Sheet #13

Sheet #11

Conc 10 Townsend

NORFOLK COUNTY

Rockford Cemetery

215.22m

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Phone: 519-842-4242

Canada

Long Point Region Conservation Authority

Aquafor Beech

Ontario

Long Point Region Conservation Authority

Legend

- Municipal Boundary
- Parcels
- Nanticoke Creek Subwatershed
- Study Area Limit
- Contour (1m)
- Contour (0.5m)
- Watercourse
- Trail
- Railway
- Building Footprint
- Flow Monitoring Gauge
- COSINE Horizontal Benchmark (NAD83 CSRS)
- COSINE Vertical Benchmark (CGVD2013)
- Spot Elevation
- 25yr Floodlines
- 100yr Floodlines
- Regional Floodlines
- Cross Sections (**XS Name:** 100yr WSE, Regional WSE)

LOCATOR MAP



Nanticoke Creek Flood Hazard Mapping
Floodplain Mapping (13)

Date: 2026-10-23
Projection: NAD83 CSRS UTM Zone 17N / CGVD2013
Data Source: LPRCA, Norfolk County, OMNRF, LIO
Created by: A.V.

0 100 200 300 400 Meters

N

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Canada Long Point Region Conservation Authority Aquafor Beech Ontario

Long Point Region Conservation Authority

Thompson Rd E

Sheet #15

NORFOLK COUNTY

218.12m

218.05m

Sheet #13

Conc 10 Townsend

Villa Nova Rd

Legend

- Municipal Boundary
- Parcels
- Nanticoke Creek Subwatershed
- Study Area Limit
- Contour (1m)
- Contour (0.5m)
- Watercourse
- Trail
- Railway
- Building Footprint
- Flow Monitoring Gauge
- COSINE Horizontal Benchmark (NAD83 CSRS)
- COSINE Vertical Benchmark (CGVD2013)
- Spot Elevation
- 25yr Floodlines
- 100yr Floodlines
- Regional Floodlines
- Cross Sections (**XS Name:** 100yr WSE, Regional WSE)

LOCATOR MAP



Nanticoke Creek Flood Hazard Mapping
Floodplain Mapping (14)

Date: 2026-10-23
Projection: NAD83 CSRS UTM Zone 17N / CGVD2013
Data Source: LPRCA, Norfolk County, OMNRF, LIO
Created by: A.V.

0 100 200 300 400 Meters

N

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The accuracy of the displayed base map and flood hazard data has been verified to meet required accuracy and resolution standards.

Long Point Region Conservation Authority
4 Elm Street, Tillsonburg, ON N4G 0C4
Phone: 519-842-4242

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Sheet #14

Long Point Region Conservation Authority

Legend

- Municipal Boundary
- Parcels
- Nanticoke Creek Subwatershed
- Study Area Limit
- Contour (1m)
- Contour (0.5m)
- Watercourse
- Trail
- Railway
- Building Footprint
- Flow Monitoring Gauge
- COSINE Horizontal Benchmark (NAD83 CSRS)
- COSINE Vertical Benchmark (CGVD2013)
- Spot Elevation
- 25yr Floodlines
- 100yr Floodlines
- Regional Floodlines
- Cross Sections (**XS Name:** 100yr WSE, Regional WSE)

LOCATOR MAP



Nanticoke Creek Flood Hazard Mapping
Floodplain Mapping (15)

Date: 2026-10-23
Projection: NAD83 CSRS UTM Zone 17N / CGVD2013
Data Source: LPRCA, Norfolk County, OMNRF, LIO
Created by: A.V.

0 100 200 300 400
Meters

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APPENDIX E – CLIMATE CHANGE SCENARIO FLOODPLAIN MAPPING



Long Point Region Conservation Authority

Legend

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- Flooded Buildings
- Flow Monitoring Gauge
- COSINE Horizontal Benchmark (NAD83 CSRS)
- COSINE Vertical Benchmark (CGVD2013)
- Spot Elevation
- 100yr Floodlines
- 200yr Floodlines
- 350yr Floodlines
- Cross Sections (**XS Name:** 100yr WSE)

LOCATOR MAP



Nanticoke Creek Flood Hazard Mapping
Floodplain Comparison Mapping (1)

Date: 2026-10-23
Projection: NAD83 CSRS UTM Zone 17N / CGVD2013
Data Source: LPRCA, Norfolk County, OMNRF, LIO
Created by: A.V.

0 100 200 300 400 Meters

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Long Point Region Conservation Authority

Legend

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- COSINE Vertical Benchmark (CGVD2013)
- Spot Elevation
- 100yr Floodlines
- 200yr Floodlines
- 350yr Floodlines
- Cross Sections (**XS Name:** 100yr WSE)

LOCATOR MAP



Nanticoke Creek Flood Hazard Mapping
Floodplain Comparison Mapping (2)

Date: 2026-10-23
Projection: NAD83 CSRS UTM Zone 17N / CGVD2013
Data Source: LPRCA, Norfolk County, OMNRF, LIO
Created by: A.V.

0 100 200 300 400 Meters

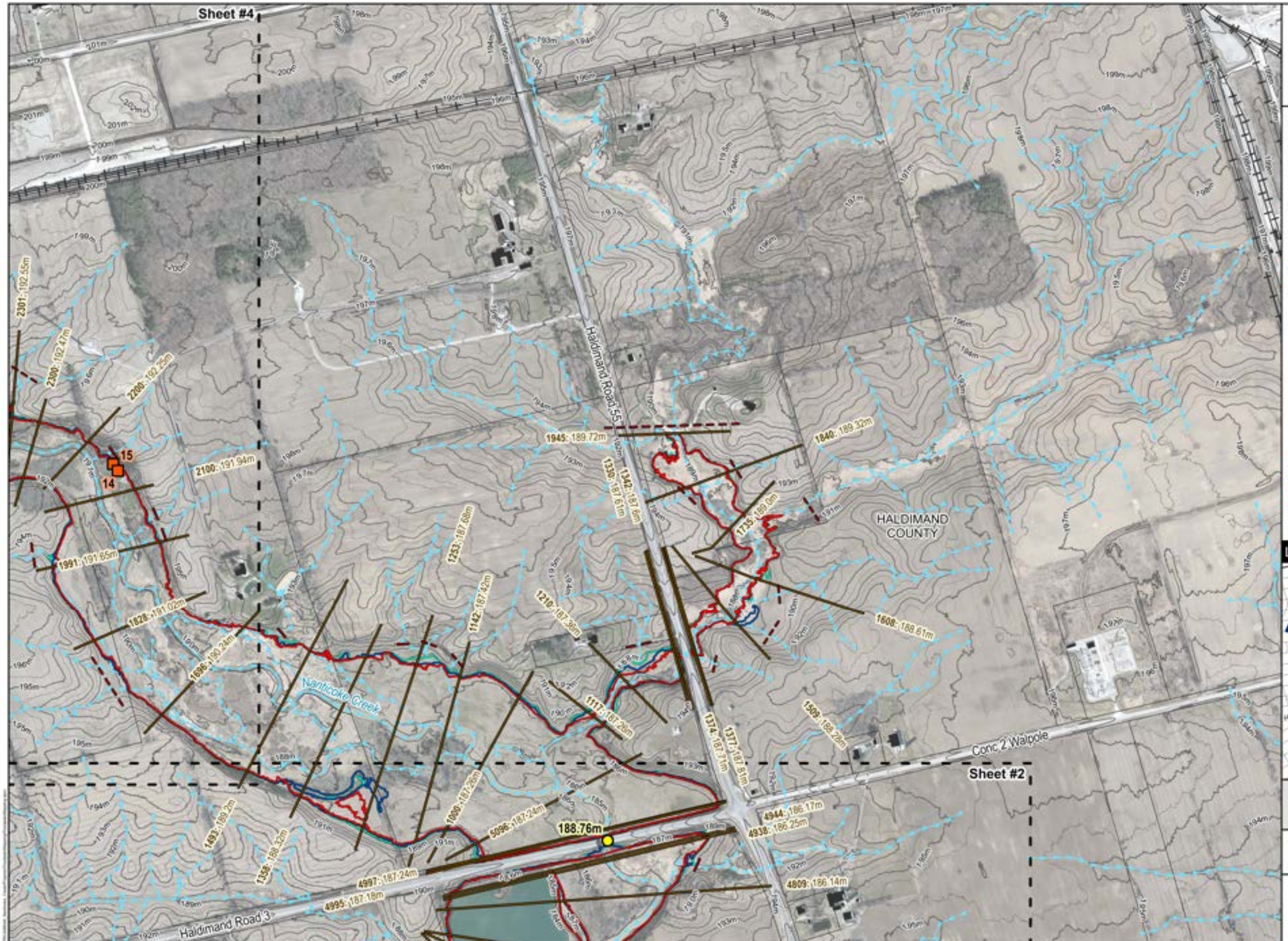
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Long Point Region Conservation Authority

Legend

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- Railway
- Building Footprint
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- Flow Monitoring Gauge
- COSINE Horizontal Benchmark (NAD83 CSRS)
- COSINE Vertical Benchmark (CGVD2013)
- Spot Elevation
- 100yr Floodlines
- 200yr Floodlines
- 350yr Floodlines
- Cross Sections (**XS Name:** 100yr WSE)

Nanticoke Creek Flood Hazard Mapping
Floodplain Comparison Mapping (3)

Date: 2026-10-23
Projection: NAD83 CSRS UTM Zone 17N / CGVD2013
Data Source: LPRCA, Norfolk County, OMNRF, LIO
Created by: A.V.

0 100 200 300 400 Meters

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Legend

- Municipal Boundary
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- Study Area Limit
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- Railway
- Building Footprint
- Flooded Buildings
- Flow Monitoring Gauge
- COSINE Horizontal Benchmark (NAD83 CSRS)
- COSINE Vertical Benchmark (CGVD2013)
- Spot Elevation
- 100yr Floodlines
- 200yr Floodlines
- 350yr Floodlines
- Cross Sections (**XS Name:** 100yr WSE)

LOCATOR MAP



Nanticoke Creek Flood Hazard Mapping
Floodplain Comparison Mapping (4)

Date: 2026-10-23
Projection: NAD83 CSRS UTM Zone 17N / CGVD2013
Data Source: LPRCA, Norfolk County, OMNRF, LIO
Created by: A.V.

0 100 200 300 400
Meters

N

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Long Point Region Conservation Authority

Legend

- Municipal Boundary
- Parcels
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- Contour (1m)
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- Trail
- Railway
- Building Footprint
- Flooded Buildings
- Flow Monitoring Gauge
- COSINE Horizontal Benchmark (NAD83 CSRS)
- COSINE Vertical Benchmark (CGVD2013)
- Spot Elevation
- 100yr Floodlines
- 200yr Floodlines
- 350yr Floodlines
- Cross Sections (**XS Name:** 100yr WSE)

LOCATOR MAP



Nanticoke Creek Flood Hazard Mapping
Floodplain Comparison Mapping (5)

Date: 2026-10-23
Projection: NAD83 CSRS UTM Zone 17N / CGVD2013
Data Source: LPRCA, Norfolk County, OMNRF, LIO
Created by: A.V.

0 100 200 300 400 Meters

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Legend

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- Parcels
- Nanticoke Creek Subwatershed
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- Railway
- Building Footprint
- Flooded Buildings
- Flow Monitoring Gauge
- COSINE Horizontal Benchmark (NAD83 CSRS)
- COSINE Vertical Benchmark (CGVD2013)
- Spot Elevation
- 100yr Floodlines
- 200yr Floodlines
- 350yr Floodlines
- Cross Sections (**XS Name:** 100yr WSE)

LOCATOR MAP



Nanticoke Creek Flood Hazard Mapping
Floodplain Comparison Mapping (6)

Date: 2026-10-23
Projection: NAD83 CSRS UTM Zone 17N / CGVD2013
Data Source: LPRCA, Norfolk County, OMNRF, LIO
Created by: A.V.

0 100 200 300 400 Meters

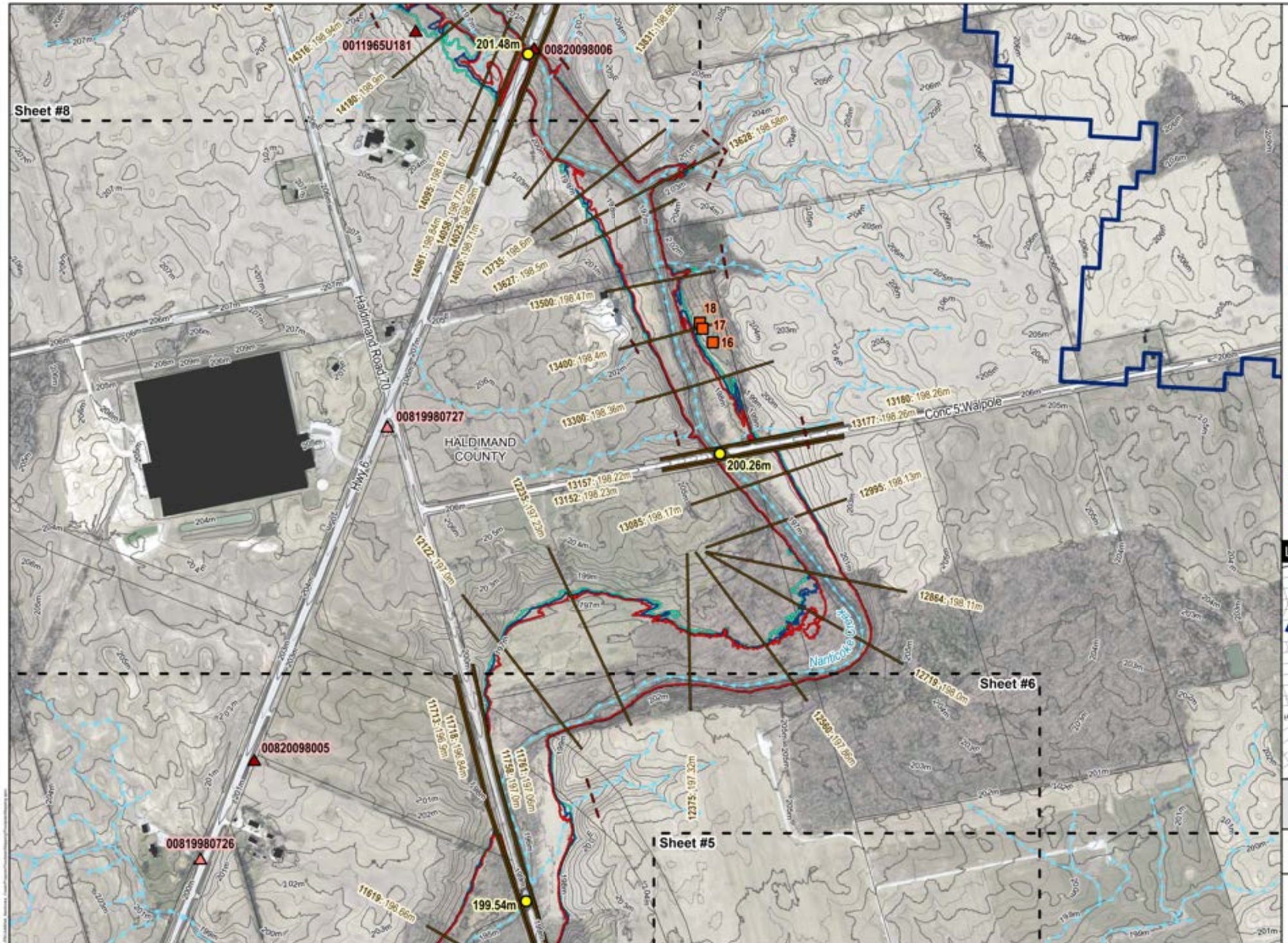
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Legend

- Municipal Boundary
- Parcels
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- COSINE Vertical Benchmark (CGVD2013)
- Spot Elevation
- 100yr Floodlines
- 200yr Floodlines
- 350yr Floodlines
- Cross Sections (**XS Name:** 100yr WSE)

LOCATOR MAP



Nanticoke Creek Flood Hazard Mapping
Floodplain Comparison Mapping (8)

Date: 2026-10-23
Projection: NAD83 CSRS UTM Zone 17N / CGVD2013
Data Source: LPRCA, Norfolk County, OMNRF, LIO
Created by: A.V.

0 100 200 300 400 Meters

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Legend

- Municipal Boundary
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- 100yr Floodlines
- 200yr Floodlines
- 350yr Floodlines
- Cross Sections (**XS Name:** 100yr WSE)

LOCATOR MAP



Nanticoke Creek Flood Hazard Mapping
Floodplain Comparison Mapping (9)

Date: 2026-10-23
Projection: NAD83 CSRS UTM Zone 17N / CGVD2013
Data Source: LPRCA, Norfolk County, OMNRF, LIO
Created by: A.V.

0 100 200 300 400 Meters

N

Sheet #10

Sheet #8

HALDIMAND COUNTY

Conc 14 Townsend

Keith Richardson Pky

Townline Rd

Nanticoke Creek

201.07m

202.05m

26

25

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Long Point Region Conservation Authority

Legend

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- COSINE Vertical Benchmark (CGVD2013)
- Spot Elevation
- 100yr Floodlines
- 200yr Floodlines
- 350yr Floodlines
- Cross Sections (**XS Name:** 100yr WSE)

LOCATOR MAP



Nanticoke Creek Flood Hazard Mapping
Floodplain Comparison Mapping (10)

Date: 2026-10-23
Projection: NAD83 CSRS UTM Zone 17N / CGVD2013
Data Source: LPRCA, Norfolk County, OMNRF, LIO
Created by: A.V.

0 100 200 300 400 Meters

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Long Point Region Conservation Authority

Legend

- Municipal Boundary
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- Railway
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- Flooded Buildings
- Flow Monitoring Gauge
- COSINE Horizontal Benchmark (NAD83 CSRS)
- COSINE Vertical Benchmark (CGVD2013)
- Spot Elevation
- 100yr Floodlines
- 200yr Floodlines
- 350yr Floodlines
- Cross Sections (**XS Name:** 100yr WSE)

LOCATOR MAP



Nanticoke Creek Flood Hazard Mapping
Floodplain Comparison Mapping (11)

Date: 2026-10-23
Projection: NAD83 CSRS UTM Zone 17N / CGVD2013
Data Source: LPRCA, Norfolk County, OMNRF, LIO
Created by: A.V.

0 100 200 300 400 Meters

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Phone: 519-842-4242

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Long Point Region Conservation Authority

Legend

- Municipal Boundary
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- Railway
- Building Footprint
- Flooded Buildings
- Flow Monitoring Gauge
- COSINE Horizontal Benchmark (NAD83 CSRS)
- COSINE Vertical Benchmark (CGVD2013)
- Spot Elevation
- 100yr Floodlines
- 200yr Floodlines
- 350yr Floodlines
- Cross Sections (**XS Name:** 100yr WSE)

LOCATOR MAP



Nanticoke Creek Flood Hazard Mapping
Floodplain Comparison Mapping (12)

Date: 2026-10-23
Projection: NAD83 CSRS UTM Zone 17N / CGVD2013
Data Source: LPRCA, Norfolk County, OMNRF, LIO
Created by: A.V.

0 100 200 300 400 Meters

N

Sheet #13

Sheet #11

Conc 10 Townsend

Nanticoke Creek

NORFOLK COUNTY

Rockford Cemetery

215.22m

27816: 215.19m
27392: 215.18m
27202: 215.18m
26884: 215.18m
26690: 215.17m
26773: 215.17m
26564: 215.17m
26562: 215.09m
26536: 214.01m
26518: 214.22m
26406: 214.21m
28023: 215.21m
28011: 215.21m
27633: 215.20m
27584: 215.20m
27027: 215.18m
26354: 214.18m
26257: 214.05m
26183: 213.94m
26056: 213.8m
25985: 213.71m
25946: 213.64m
25843: 213.58m
25746: 213.54m
25606: 213.44m
25403: 212.92m
25335: 212.47m
25233: 211.49m
25133: 209.26m
24977: 207.65m
24918: 207.41m
24845: 207.4m
24804: 207.39m
24801: 207.25m
25498: 213.22m

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Long Point Region Conservation Authority

Legend

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- COSINE Vertical Benchmark (CGVD2013)
- Spot Elevation
- 100yr Floodlines
- 200yr Floodlines
- 350yr Floodlines
- Cross Sections (**XS Name:** 100yr WSE)

LOCATOR MAP



Nanticoke Creek Flood Hazard Mapping
Floodplain Comparison Mapping (13)

Date: 2026-10-23
Projection: NAD83 CSRS UTM Zone 17N / CGVD2013
Data Source: LPRCA, Norfolk County, OMNRF, LIO
Created by: A.V.

0 100 200 300 400 Meters

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Long Point Region Conservation Authority

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- 350yr Floodlines
- Cross Sections (**XS Name:** 100yr WSE)

LOCATOR MAP



Nanticoke Creek Flood Hazard Mapping
Floodplain Comparison Mapping (14)

Date: 2026-10-23
Projection: NAD83 CSRS UTM Zone 17N / CGVD2013
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Sheet #14

Thompson Rd E

Nanticoke Creek

NORFOLK COUNTY

Conc 10 Townsend

Cockshutt Rd

Long Point Region Conservation Authority

Legend

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LOCATOR MAP



Nanticoke Creek Flood Hazard Mapping
Floodplain Comparison Mapping (15)

Date: 2026-10-23
Projection: NAD83 CSRS UTM Zone 17N / CGVD2013
Data Source: LPRCA, Norfolk County, OMNRF, LIO
Created by: A.V.

0 100 200 300 400 Meters

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