

June 05, 2025

Project Number: P2710(e01)

Stratford Foxrun
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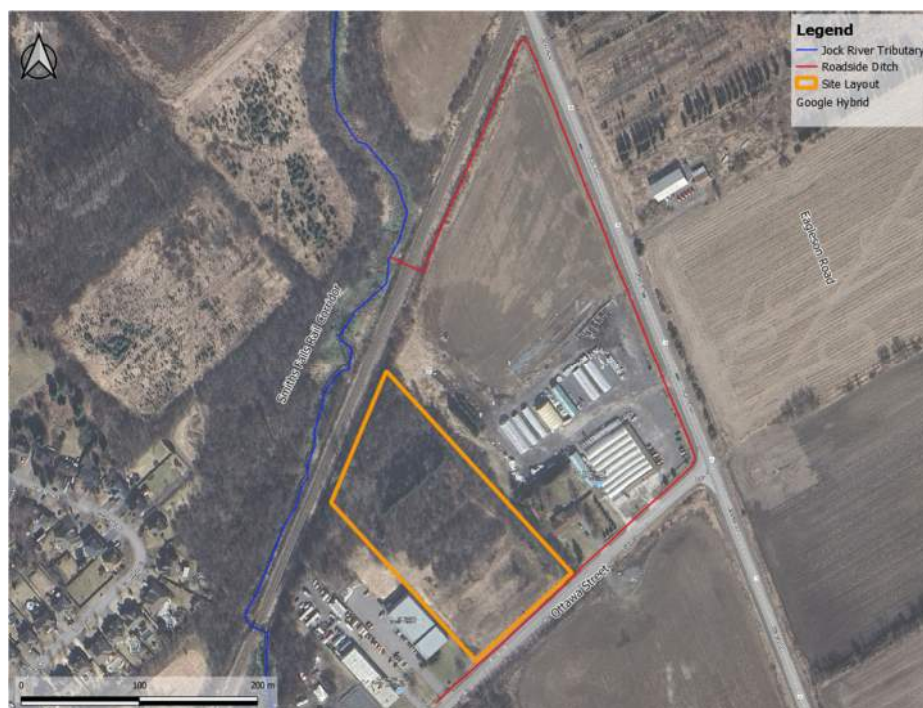
**Subject: Stratford Foxrun Development- 5923 Ottawa Street, Richmond
Ditch Hydrologic and Hydraulic Analysis**

OVERVIEW

Egis Group has commissioned JFSA Canada Inc. to develop detailed hydrologic and hydraulic models for the proposed Stratford Foxrun development. This development, located at 5923 Ottawa Street in Richmond, Ontario, will include local depressions within the site that will act as stormwater management controls to mitigate increases in peak flows resulting from the development. The site will outlet into an existing roadside ditch on Ottawa street before proceeding east to Eagleson Road and then turns north towards the rail corridor before finally discharging into Marlborough Creek, which is a tributary of the Jock River.

This memo presents a downstream hydrologic and hydraulic analysis of the aforementioned roadside ditch, specifically quantifying its capacity from 5923 Ottawa Street to the Marlborough Creek. **Figure 1** illustrates the development's location and extent, as well as the road site ditch relative to its outlet at Marlborough Creek.

Figure 1: Site Boundary and Existing Watercourse



HYDROLOGY

Existing Conditions

1.1.1 Drainage Areas

Existing drainage areas for the study were delineated using a comprehensive Digital Terrain Model (DTM). This DTM was developed from two primary sources: LiDAR data, obtained from the LIO (Land Information Ontario) Digital Terrain Model and flown in 2019-2020, and a detailed topographic survey of the existing ditch and associated crossings completed by Egis. This combined data was then imported into GIS software. Watershed delineation algorithms were subsequently applied to the DTM to automatically define the drainage areas. These automated delineations were manually reviewed against relevant previous studies and existing drainage delineations for accuracy and consistency. **Figure A1 in Attachment A** provides a visual overview of the existing drainage areas within the study area.

Land Use

Land use data has been taken from Land Information Ontario's (LIO) Land Use Data and then discretized based on the respective subcatchments. **Figure A2 in Attachment A** provides a visual overview of the respective land use data for each of the subcatchments within the study area.

Soil/Infiltration Data

Soil data within the study area has been taken from the Soil Survey Complex Data available on Land Information Ontario (LIO). **Figure A3 in Attachment A** provides a visual overview of the respective soil type data for each of the subcatchments within the study area. A full breakdown of the soil data for each drainage area has also been provided in **Table A1 in Attachment A**.

Curve Number (CN)

Based on the underlying Land Use Type and Soil Classification at each location within a subcatchment, a Curve Number (CN) was calculated, based on applicable values outlined in Tables A2 and A3 in the SWMHYMO Manual. Each Curve Number was then weighted based on the total area within a given subcatchment to determine the weighted CN for that subcatchment. The CN values calculated were then converted to CN*. Note that the traditional CN procedure assumes that Initial Abstraction (IA) = 0.2S. However, the traditional CN method is subject to errors because of this assumption, particularly for smaller rainfall events. Instead, it is recommended that a modified CN* and a user-defined IA value be used for SWMHYMO modelling. Modified CN* values have been shown to correlate well with measured flows and perform well in continuous SWMHYMO modelling (as discussed in the July 1989 INTERHYMO / OTTHYMO 89 Manual). The CN values derived were converted to CN* based on the formula provided in the November 2002 Runoff Curve Number Method: Examination of the Initial Abstract Ratio paper, and applied to the hydrologic model.

$$CN^* = \frac{100}{1.879 \left[\frac{100}{CN-1} \right]^{1.15} + 1}$$

Table A1 in Attachment provides a full summary of the CN/CN* calculations for each of the predevelopment subcatchments.

Time to Peak (t_p)

For natural areas within the study area, the time to peak values for each of the subcatchments has been calculated based on existing topography. Flow paths have been discretized based on the topographic data using GIS tools, and the longest major flow path within each subcatchment has been identified; refer to Figure B6 in Attachment B for the flow paths discretized for each subcatchment. The upstream and downstream topographic elevations and flow lengths were identified for each subcatchment and used in the calculations. For these natural subcatchments, the Federal Aviation Administration (FAA) method was determined to be the most appropriate method to calculate the Time to Peak. Full details of these calculations have been provided in **Table A2 in Attachment A**, along with other time-to-peak values using alternative t_p calculation methods.

Existing SWMHYMO modelling

An existing conditions SWMHYMO model of the drainage areas was developed based on the pre-development drainage areas provided. To represent the existing undeveloped lands, CALIB NASHYDs have been used, with Initial Abstraction (IA)=4.67 mm, and Number of Linear Reservoirs (N)=3. Full input and summary files of the existing conditions model have been provided in Attachment A

Channel Routing

To account for channel routing throughout the study area, LiDAR has been used to approximate the channel cross-section and associated flow parameters (length & slope). **Figure A4 in Attachment A** outlines the major flow paths within the study area, which have been used to account for channel routing and time to peak calculations within the subcatchments.

Proposed Conditions

Drainage Areas & Imperviousness

For the Stratford Foxrun development under proposed conditions, Egis provided JFSA with detailed design drawings that included drainage areas and associated imperviousness. The proposed development lot layout and the associated drainage areas have been provided in **Figure B1 of Attachment B**. To represent the proposed Stratford Foxrun development lands, DESIGN STANDHYDs have been used, with default parameters per the city of Ottawa Storm Sewer Design Guidelines.

Onsite SWM Controls

Egis's design for the proposed development included detailed grading of localized depressions within the site that will act as onsite stormwater management controls, along with corresponding stage-storage tables. These stage-storage tables were directly incorporated into the hydrologic model. This integration allowed for the determination of appropriate outlet configurations for these facilities, as well as an accurate assessment of the storage volumes provided by the proposed depressions. Full detailed Stage/Storage/Outflow curves have been provided in **Tables B1 and B2 in Attachment B**. Based on this analysis both sites will have a **85 mm** orifice at the bottom of the localized depression area and a small **30cm** overflow weir at an elevation of **94.40m** and **94.35m** for the west and east site respectively.

Results

Onsite Controls Summary

As mentioned, the modelling accurately reflects the site's detailed grading, particularly the localized depressions. **Table 2** provides a comprehensive overview of the maximum storage volumes achieved at each of these locations across various return periods, in addition to their associated peak outflows.

Table 1: Site Release Rates / Required Storage Volume / Ponding Depth

Storm	Site 1 (0.48 ha)			Site 2 (0.45 ha)		
	Peak Outflow (m ³ /s)	Required Storage (m ³)	Ponding Depth (m)	Peak Outflow (m ³ /s)	Required Storage (m ³)	Ponding Depth (m)
2YRCHI3Hr	0.008	41	0.31	0.009	40	0.40
5YRCHI3Hr	0.009	72	0.39	0.010	68	0.48
10YRCHI3Hr	0.010	93	0.44	0.011	87	0.53
25YRCHI3Hr	0.010	122	0.50	0.012	112	0.59
50YRCHI3Hr	0.011	143	0.54	0.014	127	0.62
100YRCHI3Hr	0.014	163	0.58	0.018	141	0.65
2YrSCS24Hr	0.008	46	0.33	0.009	44	0.41
5YrSCS24Hr	0.009	75	0.40	0.010	70	0.49
10YrSCS24Hr	0.010	95	0.44	0.011	87	0.53
25YrSCS24Hr	0.010	120	0.49	0.011	109	0.58
50YrSCS24Hr	0.011	139	0.53	0.013	124	0.62
100YrSCS24Hr	0.013	158	0.57	0.017	137	0.64

Peak Flows at Key Locations

The model was run for both existing and proposed conditions, and peak flows were extracted from the key nodes within the watercourse (refer to **Figure A4** for locations). **Table 2** outlines the peak flows for various return periods at each node, covering both the 3-hour Chicago and 24-hour SCS storms for 2- to 100-year events.

This analysis indicates minor increases in peak flows to the ditch for lower return periods under post-development conditions. However, for larger events (e.g., 100-year), peak flows are either less than or equal to existing conditions. Both sites will utilize an **85 mm** orifice at the outlet to maximize the storage capacity of these depression areas. While this orifice could be further reduced to ensure all post-development peak flows are less than pre-development levels, doing so carries the risk of increased likelihood of blockages due to its small size, increasing the potential for on-site flooding if not regularly inspected.

Table 2: Pre and Post Development Peak Flow Summary

	Node	J1		Node	J2		Node	J3		Node	J4	
Event	Pre	Post	Diff	Pre	Post	Diff	Pre	Post	Diff	Pre	Post	Diff
Area (ha)	0.85	1.23	0.38	4.62	5	0.38	4.93	5.31	0.38	5.52	5.9	0.38
2YRCHI3Hr	0.015	0.024	0.009	0.057	0.066	0.009	0.061	0.070	0.009	0.067	0.077	0.010
5YRCHI3Hr	0.026	0.032	0.006	0.102	0.107	0.005	0.109	0.114	0.005	0.121	0.127	0.006
10YRCHI3Hr	0.035	0.037	0.002	0.136	0.137	0.001	0.145	0.146	0.001	0.162	0.164	0.002
25YRCHI3Hr	0.047	0.043	-0.004	0.181	0.178	-0.003	0.194	0.190	-0.004	0.218	0.214	-0.004
50YRCHI3Hr	0.057	0.050	-0.007	0.219	0.212	-0.007	0.234	0.228	-0.006	0.263	0.257	-0.006
100YRCHI3Hr	0.067	0.060	-0.007	0.258	0.253	-0.005	0.277	0.271	-0.006	0.311	0.306	-0.005
2YrSCS24Hr	0.024	0.028	0.004	0.090	0.095	0.005	0.096	0.102	0.006	0.107	0.113	0.006
5YrSCS24Hr	0.038	0.037	-0.001	0.148	0.146	-0.002	0.158	0.157	-0.001	0.177	0.176	-0.001
10YrSCS24Hr	0.049	0.042	-0.007	0.189	0.182	-0.007	0.202	0.196	-0.006	0.227	0.221	-0.006
25YrSCS24Hr	0.062	0.049	-0.013	0.242	0.228	-0.014	0.259	0.247	-0.012	0.291	0.279	-0.012
50YrSCS24Hr	0.073	0.055	-0.018	0.284	0.267	-0.017	0.305	0.288	-0.017	0.343	0.326	-0.017
100YrSCS24Hr	0.084	0.063	-0.021	0.329	0.310	-0.019	0.354	0.335	-0.019	0.399	0.380	-0.019

Table 2: Pre and Post Development Peak Flow Summary

	Node	J5		Node	J6		Node	J7		Node	J8	
Event	Pre	Post	Diff	Pre	Post	Diff	Pre	Post	Diff	Pre	Post	Diff
Area (ha)	6.86	7.24	0.38	1.01	1.02	0.01	1.83	1.46	-0.37	13.1	13.1	0
2YRCHI3Hr	0.080	0.091	0.011	0.016	0.021	0.005	0.019	0.018	-0.001	0.141	0.151	0.010
5YRCHI3Hr	0.147	0.154	0.007	0.025	0.031	0.006	0.035	0.034	-0.001	0.264	0.270	0.006
10YRCHI3Hr	0.197	0.201	0.004	0.034	0.037	0.003	0.047	0.047	0.000	0.361	0.363	0.002
25YRCHI3Hr	0.267	0.266	-0.001	0.047	0.047	0.000	0.065	0.064	-0.001	0.493	0.489	-0.004
50YRCHI3Hr	0.323	0.320	-0.003	0.057	0.057	0.000	0.079	0.078	-0.001	0.602	0.594	-0.008
100YRCHI3Hr	0.384	0.381	-0.003	0.069	0.069	0.000	0.095	0.094	-0.001	0.721	0.712	-0.009
2YrSCS24Hr	0.128	0.135	0.007	0.023	0.023	0.000	0.032	0.031	-0.001	0.233	0.239	0.006
5YrSCS24Hr	0.215	0.216	0.001	0.039	0.039	0.000	0.054	0.053	-0.001	0.400	0.399	-0.001
10YrSCS24Hr	0.277	0.273	-0.004	0.051	0.051	0.000	0.070	0.069	-0.001	0.517	0.511	-0.006
25YrSCS24Hr	0.357	0.347	-0.010	0.066	0.066	0.000	0.092	0.090	-0.002	0.675	0.661	-0.014
50YrSCS24Hr	0.421	0.407	-0.014	0.079	0.079	0.000	0.110	0.107	-0.003	0.800	0.782	-0.018
100YrSCS24Hr	0.491	0.474	-0.017	0.093	0.093	0.000	0.129	0.126	-0.003	0.939	0.914	-0.025

HYDRAULICS

The detailed hydraulic analysis of the downstream study area was conducted using the US Army Corps of Engineers HEC-RAS software (version 6.6). The purpose of this hydraulic analysis is to assess the hydraulic impacts that the proposed Stratford Foxrun development may have on existing water levels for the applicable design storms.

Model Development & Parameters

The primary method for establishing cross-sections involved using detailed topographic measurements. These measurements were typically taken at approximately 50-meter intervals along the watercourse and supplemented with LiDAR in the floodplain. This close spacing is crucial for accurately capturing the unique hydraulic characteristics and flow conveyance capacity of the existing watercourse. In addition to the surveyed locations, supplementary cross-sections were added in areas that weren't explicitly surveyed. These were created by sampling the merged LiDAR and topographic Digital Terrain Model (DTM). This was done to ensure that critical cross-sections were included in the model to accurately capture the channel hydraulics. **Figure C1 in Attachment C** outlines the extent and location of model cross sections.

Existing hydraulic infrastructure, such as culverts, on the respective watercourses, was incorporated into the model based on the details obtained from the topographic surveys. Consistent with HEC-RAS technical guidelines, ineffective flow areas and expansion-contraction coefficients were appropriately applied at these locations. Typical Manning's values of 0.035 and 0.05 were applied to the roadside ditch channel bottom and over banks, respectively. A normal downstream boundary condition was applied for all events due to the significant difference in drainage area between Marlborough Creek and the roadside ditch. This approach was chosen because Marlborough Creek (a tributary of the Jock River) experiences flooding predominantly from spring snowmelt and rainfall, whereas the critical storm for a roadside ditch of this size typically occurs during summer events. Therefore, these two critical events can never coincide.

Results

The pre- and post-development models were run for the full range of design storms (2- to 100-Year Events) to accurately establish the existing and proposed floodplain extents within the study area. **Figures C2 and C3** illustrate the flood extents for both existing and proposed conditions during the 24-hour SCS type storms (the critical design storm). **Figure C4** provide a comparison between the 100-year floodplain under both existing and proposed conditions. From this figure, it is shown that the 100-year floodplain extents along the ditch are reduced under post-development conditions. This demonstrates that the proposed stormwater management solution is effective and that the proposed development will not worsen existing flood conditions along the ditch. **Attachment C** also includes pre- and post-development long- and cross-section plots, along with summary tables.

This analysis also revealed that flows in the roadside ditch overtop the banks during 5- to 10-year events (depending on the design storm). This is expected, as the typical level of service for driveway crossings is generally in this range. It's crucial to note that existing driveway crossings, not the channel itself, are constricting flows and causing them to overtop the bank. Upsizing several culverts along this stretch of roadside ditch would significantly reduce the floodplain in this area.

Along Eagleson Road, approximately halfway between the railway and the Ottawa Street intersection, flows will overtop the bank and spill west to the culvert under the railway. For a conservative design, the hydraulic modelling does not account for this spill, assuming all flows proceed to the next downstream cross-section. It's also important to emphasize that for all events (up to and including the 100-year event), water levels in the roadside ditch do not reach an elevation that would impede traffic on either Eagleson Road or Ottawa Street, as the flood extents do not touch the shoulder of the road. Furthermore, the maximum 100-year floodplain extents do not affect any nearby buildings, meaning the current and proposed flood extents pose no danger to existing structures.

CONCLUSION

In summary, JFSA Canada Inc.'s hydrologic and hydraulic modelling confirms that the proposed Stratford Foxrun development's stormwater management plan effectively mitigates downstream impacts. The on-site localized depressions, with 85 mm orifice outlets, will manage post-development runoff, ensuring peak flows for major storm events (up to 100-year) remain at or below pre-development levels.

The HEC-RAS analysis further demonstrates that the proposed SWM measures will lead to a reduction in the 100-year floodplain extent along the receiving roadside ditch. While existing culverts contribute to minor, more frequent overtopping, the development itself will not worsen these conditions or cause flooding that impedes traffic or endangers structures during major events. The findings indicate that the proposed SWM strategy for this site will not adversely impact downstream lands.

Yours truly,
JFSA Canada Inc.



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cc: J.F. Sabourin, M.Eng, P.Eng
Director of Water Resources Projects

Figures

Figure 1: Site Boundary and Existing Watercourse

Tables

Table 1: Site Release Rates / Required Storage Volume / Ponding Depth

Table 2: Peak Flows at Key Locations

Attachments

Attachment A: Pre-Development Hydrology

Attachment B: Post Development Hydrology

Attachment C: Hydraulic Analysis



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Attachment A

Pre-Development Hydrology



Legend

- Jock River Tributary
- Pre-dev. Subcatchments

Google Hybrid

EXT1

Subcatchment Name

3.212 ha

Subcatchment Area (ha)

SCALE:

1:3000

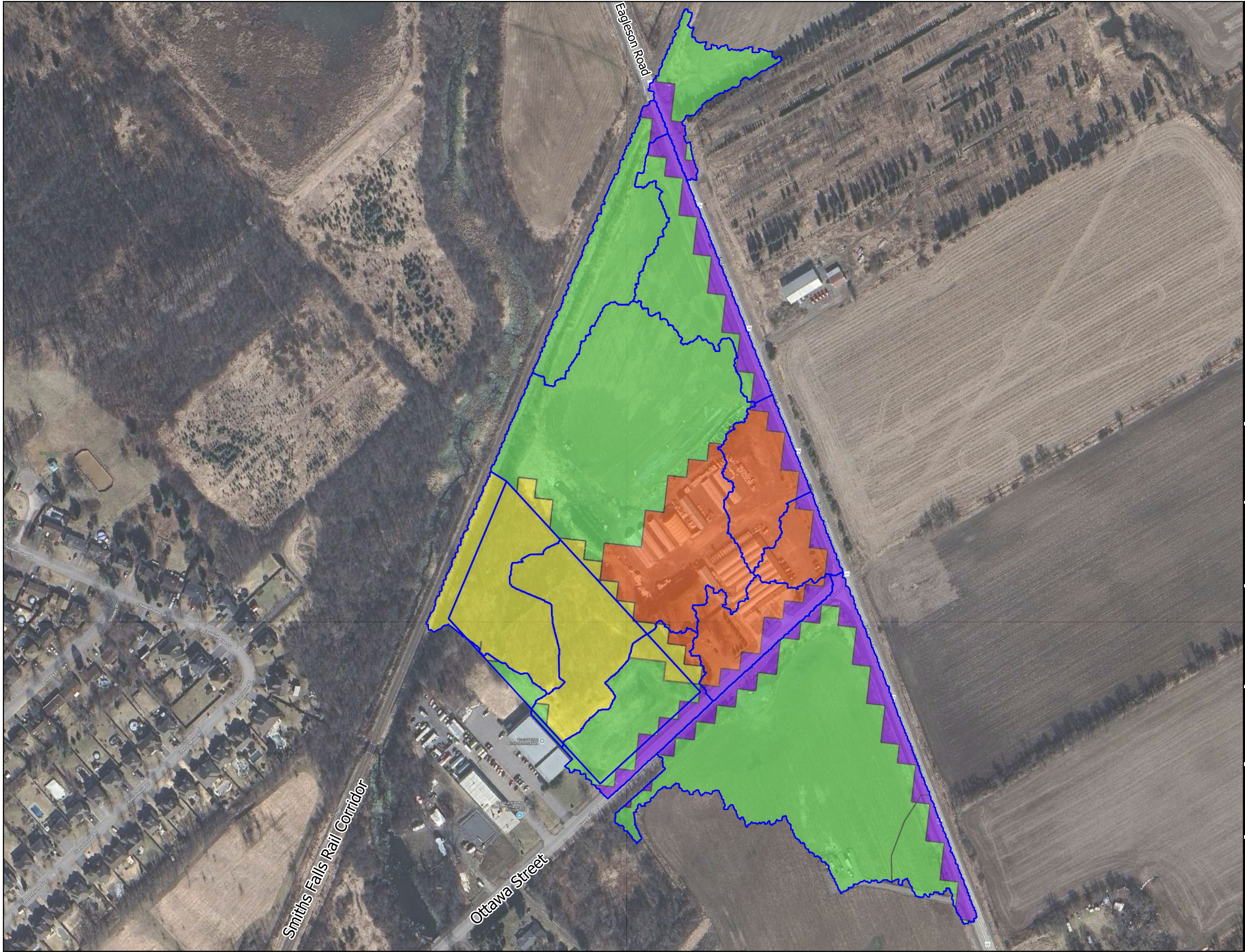
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5923 Ottawa St – Richmond

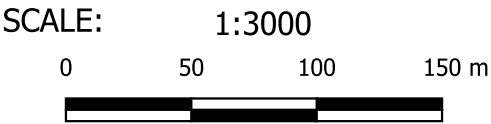
Figure A1: Existing Drainage Areas

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DATE	04-06-2025



Legend

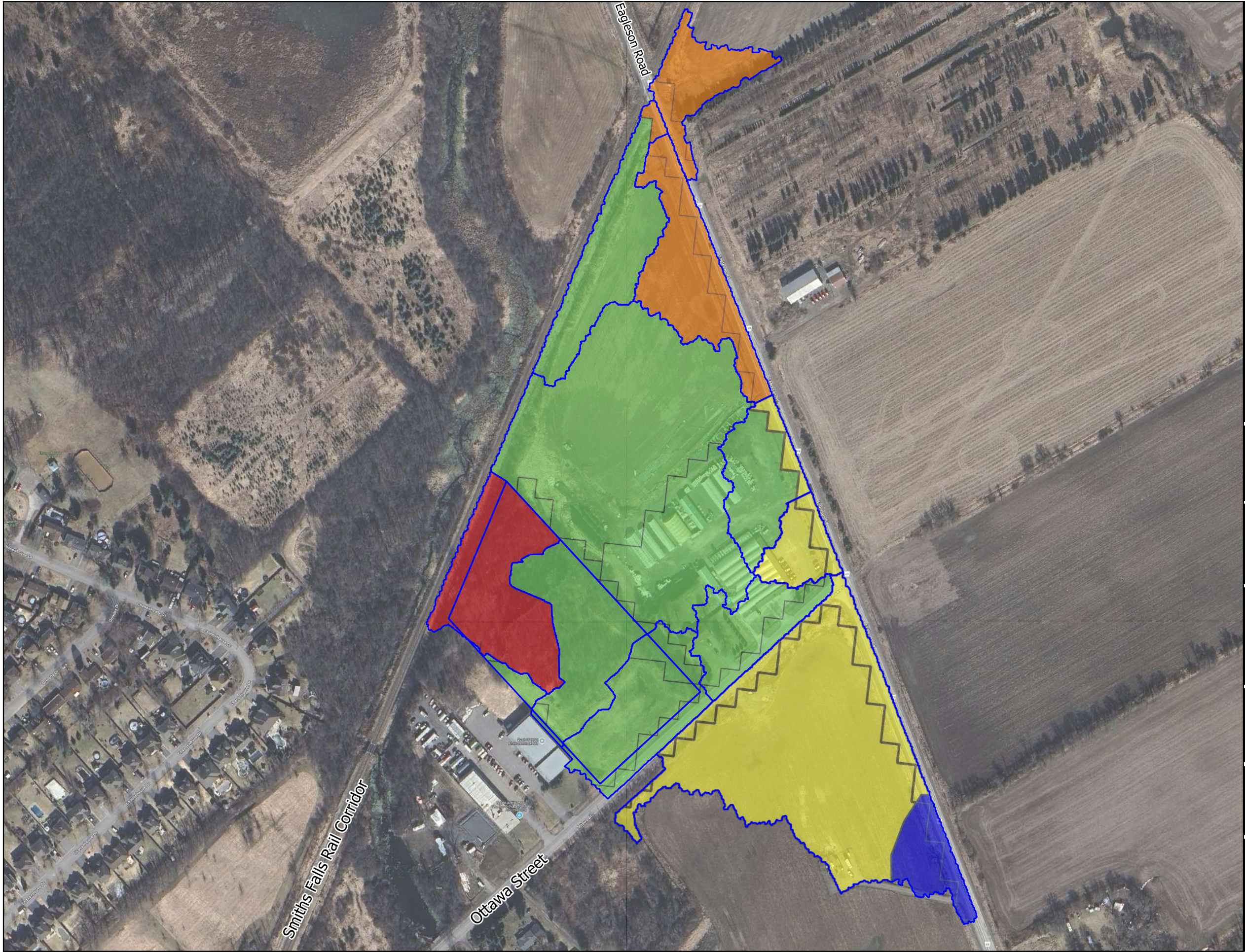
- Pre-dev. Subcatchments
- CN
- Built Up Area - Pervious
- Transportation
- Forest
- Tilled
- Google Hybrid



5923 Ottawa St – Richmond

Figure A2: Land Use Data

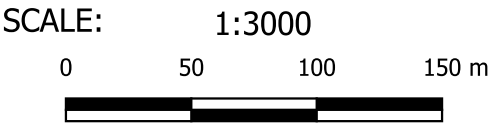
PROJECT	P2710(e01)
DRAWN	MM
DATE	04-06-2025



Legend

-  Pre-dev. Subcatchments
- Soil Name (Soil Type)
-  ERODED CHANNEL (D)
-  NORTH GOWER (D)
-  DALHOUSIE (D)
-  BRANDON (D)
-  GRENVILLE (B)

Google Hybrid



5923 Ottawa St – Richmond

Figure A3: Soil Type

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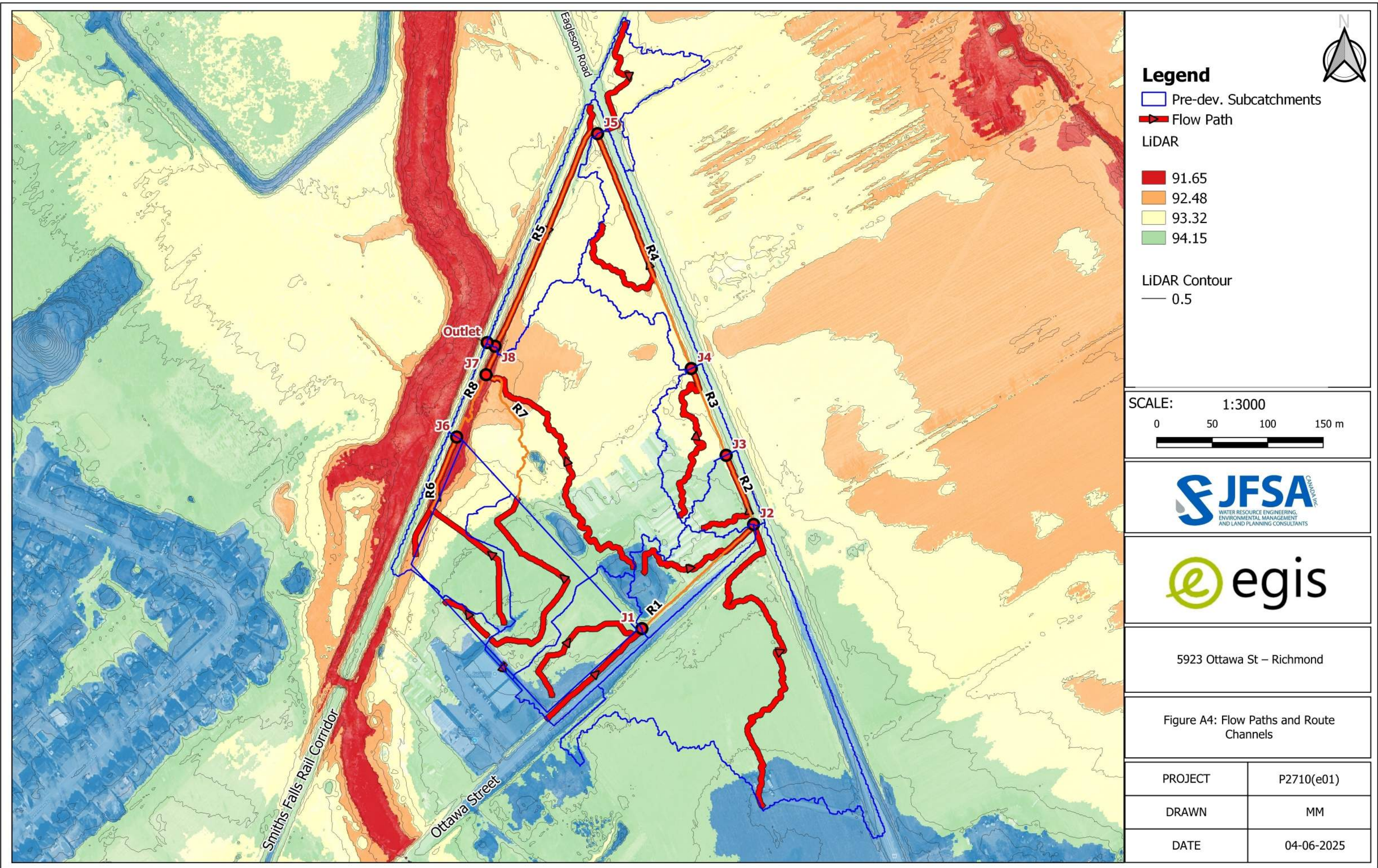


Table A1: Calculation of SCS Curve Number (CN) and Modified Curve Number (CN*)

EXT1 (3.212 ha)							
Area (ha)	Land Type	Soil Name	Soil Condition	Soil Group	CN	% of Catchment	Weighted CN
0.107	Transportation	GRENVILLE	Fair	B	98	3.3%	3.3
0.229	Tilled	GRENVILLE	Fair	B	69	7.1%	4.9
0.403	Transportation	BRANDON	Fair	D	98	12.5%	12.3
2.472	Tilled	BRANDON	Fair	D	84	77.0%	64.6
						CN	85
						CN*	80

EXT2 (0.285 ha)							
Area (ha)	Land Type	Soil Name	Soil Condition	Soil Group	CN	% of Catchment	Weighted CN
0.04	Built Up Area - Pervious	NORTH GOWER	Fair	D	80	14.0%	11.2
0.051	Tilled	NORTH GOWER	Fair	D	84	17.9%	15.0
0.067	Forest	NORTH GOWER	Fair	D	79	23.5%	18.6
0.127	Transportation	NORTH GOWER	Fair	D	98	44.6%	43.7
						CN	89
						CN*	85

EXT3 (0.56 ha)							
Area (ha)	Land Type	Soil Name	Soil Condition	Soil Group	CN	% of Catchment	Weighted CN
0	Forest	NORTH GOWER	Fair	D	79	0.0%	0.0
0.17	Transportation	NORTH GOWER	Fair	D	98	30.4%	29.8
0.39	Built Up Area - Pervious	NORTH GOWER	Fair	D	80	69.6%	55.7
						CN	85
						CN*	80

EXT4 (0.309 ha)							
Area (ha)	Land Type	Soil Name	Soil Condition	Soil Group	CN	% of Catchment	Weighted CN
0.074	Transportation	BRANDON	Fair	D	98	23.9%	23.5
0.235	Built Up Area - Pervious	BRANDON	Fair	D	80	76.1%	60.8
						CN	84
						CN*	79

EXT5 (0.594 ha)							
Area (ha)	Land Type	Soil Name	Soil Condition	Soil Group	CN	% of Catchment	Weighted CN
0.084	Transportation	BRANDON	Fair	D	98	14.1%	13.9
0.51	Built Up Area - Pervious	NORTH GOWER	Fair	D	80	85.9%	68.7
						CN	83
						CN*	76

Table A1: Calculation of SCS Curve Number (CN) and Modified Curve Number (CN*)

EXT6 (0.864 ha)							
Area (ha)	Land Type	Soil Name	Soil Condition	Soil Group	CN	% of Catchment	Weighted CN
0.271	Transportation	DALHOUSIE	Fair	D	98	31.4%	30.7
0.593	Tilled	DALHOUSIE	Fair	D	84	68.6%	57.7
						CN	88
						CN*	85

EXT7 (0.47 ha)							
Area (ha)	Land Type	Soil Name	Soil Condition	Soil Group	CN	% of Catchment	Weighted CN
0.097	Transportation	DALHOUSIE	Fair	D	98	20.6%	20.2
0.374	Tilled	DALHOUSIE	Fair	D	84	79.6%	66.8
						CN	87
						CN*	83

EXT8 (0.835 ha)							
Area (ha)	Land Type	Soil Name	Soil Condition	Soil Group	CN	% of Catchment	Weighted CN
0.036	Transportation	DALHOUSIE	Fair	D	98	4.3%	4.2
0.798	Tilled	NORTH GOWER	Fair	D	84	95.6%	80.3
						CN	85
						CN*	79

EXT9 (3.572 ha)							
Area (ha)	Land Type	Soil Name	Soil Condition	Soil Group	CN	% of Catchment	Weighted CN
0.001	Transportation	NORTH GOWER	Fair	D	98	0.0%	0.0
0.126	Forest	NORTH GOWER	Fair	D	79	3.5%	2.8
0.998	Built Up Area - Pervious	NORTH GOWER	Fair	D	80	27.9%	22.4
2.446	Tilled	NORTH GOWER	Fair	D	84	68.5%	57.5
						CN	83
						CN*	76

EXT9a (0.011 ha)							
Area (ha)	Land Type	Soil Name	Soil Condition	Soil Group	CN	% of Catchment	Weighted CN
0.011	Tilled	NORTH GOWER	Fair	D	84	100.0%	84.0
						CN	84
						CN*	78

EXT10 (0.203 ha)							
Area (ha)	Land Type	Soil Name	Soil Condition	Soil Group	CN	% of Catchment	Weighted CN
0.203	Forest	ERODED CHANNEL	Fair	D	79	100.0%	79.0
						CN	79
						CN*	71

Table A1: Calculation of SCS Curve Number (CN) and Modified Curve Number (CN*)

Pre10 (0.803 ha)							
Area (ha)	Land Type	Soil Name	Soil Condition	Soil Group	CN	% of Catchment	Weighted CN
0.803	Forest	ERODED CHANNEL	Fair	D	79	100.0%	79.0
						CN	79
						CN*	71

Pre11 (0.069 ha)							
Area (ha)	Land Type	Soil Name	Soil Condition	Soil Group	CN	% of Catchment	Weighted CN
0.004	Forest	NORTH GOWER	Fair	D	79	5.8%	4.6
0.065	Tilled	NORTH GOWER	Fair	D	84	94.2%	79.1
						CN	84
						CN*	78

Pre2 (0.565 ha)							
Area (ha)	Land Type	Soil Name	Soil Condition	Soil Group	CN	% of Catchment	Weighted CN
0.017	Transportation	NORTH GOWER	Fair	D	98	3.0%	2.9
0.066	Forest	NORTH GOWER	Fair	D	79	11.7%	9.2
0.483	Tilled	NORTH GOWER	Fair	D	84	85.5%	71.8
						CN	84
						CN*	78

Pre9 (0.83 ha)							
Area (ha)	Land Type	Soil Name	Soil Condition	Soil Group	CN	% of Catchment	Weighted CN
0	Built Up Area - Pervious	NORTH GOWER	Fair	D	80	0.0%	0.0
0.014	Tilled	NORTH GOWER	Fair	D	84	1.7%	1.4
0.815	Forest	NORTH GOWER	Fair	D	79	98.2%	77.6
						CN	79
						CN*	71

Table A2: Time to Peak Calculations

Parameter	Units	EXT1	EXT2	EXT3	EXT4	EXT5	EXT6	EXT7	EXT8	EXT9	EXT9a	EXT10	Pre10	Pre11	Pre2	Pre9
Area	ha	3.211	0.285	0.560	0.309	0.594	0.864	0.471	0.834	3.571	0.011	0.203	0.803	0.069	0.566	0.829
CN	-	80	85	80	79	76	85	83	79	76	78	71	71	78	78	71
Ptotal to calc C from CN, use 2 yr 24 hr Chicago storm	P(mm)	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
	la(mm)	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
	RV(mm)	17.7	21.4	18.0	16.9	15.4	21.2	19.7	17.1	15.6	16.7	12.9	12.9	16.4	16.7	12.9
C (From Chicago storm)	-	0.363	0.439	0.370	0.348	0.317	0.436	0.404	0.351	0.319	0.342	0.265	0.265	0.337	0.342	0.265
Length of Channel	m	404	121	161	116	215	279	140	263	344	5	121	135	54	145	236
	ft	1327	397	527	381	705	916	459	862	1128	15	398	443	176	475	776
Elevation of Head Water	m	94.63	94.17	94.91	93.95	94.08	92.97	93.24	93.52	94.94	94.74	91.69	94.14	94.09	94.34	94.11
	ft	310	309	311	308	309	305	306	307	311	311	301	309	309	310	309
Elevation of Outlet	m	92.98	93.57	93.00	92.69	92.44	91.96	92.11	90.43	90.46	94.55	91.11	91.71	93.58	93.80	93.20
	ft	305	307	305	304	303	302	302	297	297	310	299	301	307	308	306
Average Slope	%	0.41%	0.50%	1.18%	1.08%	0.76%	0.36%	0.81%	1.17%	1.30%	4.28%	0.49%	1.80%	0.96%	0.38%	0.38%
Flow Type (Uplands)	-	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Kirpich																
Time of Concentration	mins	16	6	5	4	8	13	6	8	9	0	6	4	2	8	11
Time to Peak	min	11	4	4	3	5	9	4	5	6	0	4	3	2	5	7
Time to Peak	Hours	0.18	0.07	0.06	0.05	0.09	0.14	0.06	0.09	0.10	0.00	0.07	0.04	0.03	0.09	0.12
FAA (From Chicago storm)																
Time of Concentration	mins	65	30	29	26	41	51	29	37	43	3	38	26	18	41	58
Time to Peak	mins	43	20	19	17	27	34	19	25	29	2	25	17	12	27	38
Time to Peak	Hours	0.72	0.33	0.32	0.29	0.45	0.56	0.32	0.42	0.48	0.04	0.42	0.29	0.21	0.46	0.64
Barnsby Williams																
Time of Concentration	mins	25	9	9	7	14	20	9	15	17	0	9	7	4	11	17
Time to Peak	mins	17	6	6	5	9	13	6	10	11	0	6	5	3	7	11
Time to Peak	Hours	0.28	0.10	0.11	0.08	0.15	0.22	0.10	0.17	0.18	0.00	0.10	0.08	0.05	0.12	0.19
SCS																
Time of Concentration	mins	63	18	17	15	31	42	17	27	34	1	28	16	9	30	54
Time to Peak	mins	42	12	12	10	21	28	12	18	23	0	19	11	6	20	36
Time to Peak	Hours	0.70	0.20	0.19	0.16	0.34	0.47	0.19	0.30	0.38	0.01	0.31	0.18	0.10	0.34	0.61
Uplands																
Time of Concentration	mins	69	19	16	12	27	50	17	26	33	0	19	11	6	26	41
Time to Peak	mins	46	12	11	8	18	34	11	18	22	0	13	7	4	17	28
Time to Peak	Hours	0.76	0.21	0.18	0.13	0.30	0.56	0.19	0.29	0.36	0.00	0.21	0.12	0.07	0.28	0.46
Selected Method: FAA (From Chicago storm)																
Time to Peak	min	43	20	19	17	27	34	19	25	29	2	25	17	12	27	38
Time to Peak	Hours	0.72	0.33	0.32	0.29	0.45	0.56	0.32	0.42	0.48	0.04	0.42	0.29	0.21	0.46	0.64
Velocity	m/s	0.16	0.10	0.14	0.11	0.13	0.14	0.12	0.18	0.20	0.04	0.08	0.13	0.07	0.09	0.10


```
1  20      Metric units / ID numbers OFF
2  *#*****
   *****
3  *#  SWMHYMO  / INPUT DATA FILE
4  *#*****
   *****
5  *#  Project Name   : [5923 Ottawa St]
6  *#  Project Number: [P2710(e01)]
7  *#  Date           : [2025 FEB 05]
8  *#  Modeller       : [MM]
9  *#  Company        : JFSA Canada Inc.
10 *#  License #      : 2549237
11 *#*****
   *****
12 *# Model developed to simulate runoff from subcatchments under pre development conditions
13 *#*****
   *****
14 *%  25 mm Storm based on 2-Year, 3-Hour Chicago Storm
15 START          TZERO=[0.0],  METOUT=[2],  NSTORM=[1],  NRUN=[002]
16                ["002YC3H.stm"] <--storm filename, one per line for NSTORM time
17 *%-----|-----
18 READ STORM      STORM_FILENAME=["STORM.001"]
19 *%-----|-----
20 *#*****
   *****
21 *#  EXT1
22 *#*****
   *****
23 CALIB NASHYD    NHYD=["EXT1"], DT[1] (min), AREA=[3.211] (ha),
24                DWF=[0] (cms), CN=[80],
25                IA=[4.67] (mm), N=[3], TP[0.72] (hrs),
26                RAINFALL[ , , -1]
27 *#*****
   *****
28 *#  EXT2
29 *#*****
   *****
30 CALIB NASHYD    NHYD=["EXT2"], DT[1] (min), AREA=[0.285] (ha),
31                DWF=[0] (cms), CN=[85],
32                IA=[4.67] (mm), N=[3], TP[0.33] (hrs),
33                RAINFALL[ , , -1]
34 *#*****
   *****
35 *#  EXT3
36 *#*****
   *****
37 CALIB NASHYD    NHYD=["EXT3"], DT[1] (min), AREA=[0.560] (ha),
38                DWF=[0] (cms), CN=[80],
39                IA=[4.67] (mm), N=[3], TP[0.32] (hrs),
40                RAINFALL[ , , -1]
41 *#*****
   *****
42 *#  EXT4
43 *#*****
   *****
44 CALIB NASHYD    NHYD=["EXT4"], DT[1] (min), AREA=[0.309] (ha),
45                DWF=[0] (cms), CN=[79],
46                IA=[4.67] (mm), N=[3], TP[0.29] (hrs),
47                RAINFALL[ , , -1]
48 *#*****
   *****
49 *#  EXT5
50 *#*****
   *****
51 CALIB NASHYD    NHYD=["EXT5"], DT[1] (min), AREA=[0.594] (ha),
52                DWF=[0] (cms), CN=[76],
53                IA=[4.67] (mm), N=[3], TP[0.45] (hrs),
54                RAINFALL[ , , -1]
55 *#*****
   *****
```



```

*****
56 *# EXT6
57 *#*****
*****
58 CALIB NASHYD      NHYD=["EXT6"], DT[1] (min), AREA=[0.864] (ha),
59                   DWF=[0] (cms), CN=[85],
60                   IA=[4.67] (mm), N=[3], TP[0.56] (hrs),
61                   RAINFALL[ , , -1]
62 *#*****
*****
63 *# EXT7
64 *#*****
*****
65 CALIB NASHYD      NHYD=["EXT7"], DT[1] (min), AREA=[0.471] (ha),
66                   DWF=[0] (cms), CN=[83],
67                   IA=[4.67] (mm), N=[3], TP[0.32] (hrs),
68                   RAINFALL[ , , -1]
69 *#*****
*****
70 *# EXT8
71 *#*****
*****
72 CALIB NASHYD      NHYD=["EXT8"], DT[1] (min), AREA=[0.834] (ha),
73                   DWF=[0] (cms), CN=[79],
74                   IA=[4.67] (mm), N=[3], TP[0.42] (hrs),
75                   RAINFALL[ , , -1]
76 *#*****
*****
77 *# EXT9
78 *#*****
*****
79 CALIB NASHYD      NHYD=["EXT9"], DT[1] (min), AREA=[3.571] (ha),
80                   DWF=[0] (cms), CN=[76],
81                   IA=[4.67] (mm), N=[3], TP[0.48] (hrs),
82                   RAINFALL[ , , -1]
83 *#*****
*****
84 *# EXT9a
85 *#*****
*****
86 CALIB NASHYD      NHYD=["EXT9a"], DT[1] (min), AREA=[0.011] (ha),
87                   DWF=[0] (cms), CN=[78],
88                   IA=[4.67] (mm), N=[3], TP[0.04] (hrs),
89                   RAINFALL[ , , -1]
90 *#*****
*****
91 *# EXT10
92 *#*****
*****
93 CALIB NASHYD      NHYD=["EXT10"], DT[1] (min), AREA=[0.203] (ha),
94                   DWF=[0] (cms), CN=[71],
95                   IA=[4.67] (mm), N=[3], TP[0.42] (hrs),
96                   RAINFALL[ , , -1]
97 *#*****
*****
98 *# Pre2
99 *#*****
*****
100 CALIB NASHYD      NHYD=["Pre2"], DT[1] (min), AREA=[0.566] (ha),
101                   DWF=[0] (cms), CN=[78],
102                   IA=[4.67] (mm), N=[3], TP[0.46] (hrs),
103                   RAINFALL[ , , -1]
104 *#*****
*****
105 *# Pre9
106 *#*****
*****
107 CALIB NASHYD      NHYD=["Pre9"], DT[1] (min), AREA=[0.829] (ha),
108                   DWF=[0] (cms), CN=[71],

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109 IA=[4.67] (mm), N=[3], TP[0.64] (hrs),
110 RAINFALL[ , , -1]
111 *#*****
112 *# Pre10
113 *#*****
114 CALIB NASHYD NHYD=["Pre10"], DT[1] (min), AREA=[0.803] (ha),
115 DWF=[0] (cms), CN=[71],
116 IA=[4.67] (mm), N=[3], TP[0.29] (hrs),
117 RAINFALL[ , , -1]
118 *#*****
119 *# Pre11
120 *#*****
121 CALIB NASHYD NHYD=["Pre11"], DT[1] (min), AREA=[0.069] (ha),
122 DWF=[0] (cms), CN=[78],
123 IA=[4.67] (mm), N=[3], TP[0.21] (hrs),
124 RAINFALL[ , , -1]
125 *#*****
126 ADD HYD NHYDsum=["J1"], NHYDs to add=["EXT2"+"Pre2"]
127 *%-----|-----
128 * NOTE: Cross-section number 849.0434 is taken from HEC-RAS Model
129 * NOTE: SEGROUGH will be adjusted after completing the HEC-RAS model
130 ROUTE CHANNEL NHYDout=["R1"], NHYDin=["J1"], RDT=[1] (min),
131 CHLGTH=[143.151] (m), CHSLOPE=[0.394] (%), FPSLOPE=[0.394] (%),
132 SECNUM=[849.0434], NSEG=[3],
133 ( SEGROUGH, SEGDIST (m))=[0.08,18.95 -0.035,26.78 0.08,35.18] NSEG
times
134 ( DISTANCE (m), ELEVATION (m))=[0.48, 94.05]
135 [3.19, 93.99]
136 [6.85, 93.91]
137 [10.48, 93.87]
138 [17.45, 93.85]
139 [18.95, 93.84]
140 [20.36, 93.81]
141 [22.3, 93.76]
142 [22.53, 93.72]
143 [23.98, 93.35]
144 [24.35, 93.33]
145 [24.65, 93.37]
146 [25.04, 93.45]
147 [26.04, 93.74]
148 [26.44, 93.82]
149 [26.78, 93.87]
150 [29.14, 94.11]
151 [33.98, 94.26]
152 [35.18, 94.26]
153 *%-----|-----
154 ADD HYD NHYDsum=["J2"], NHYDs to add=["R1"+"EXT3"+"EXT1"]
155 *%-----|-----
156 * NOTE: Cross-section number 737.5813 is taken from HEC-RAS Model
157 * NOTE: SEGROUGH will be adjusted after completing the HEC-RAS model
158 ROUTE CHANNEL NHYDout=["R2"], NHYDin=["J2"], RDT=[1] (min),
159 CHLGTH=[73.338] (m), CHSLOPE=[0.425] (%), FPSLOPE=[0.425] (%),
160 SECNUM=[737.5813], NSEG=[3],
161 ( SEGROUGH, SEGDIST (m))=[0.08,8.4 -0.035,16.42 0.08,22.6] NSEG
times
162 ( DISTANCE (m), ELEVATION (m))=[0, 93.52]
163 [1.08, 93.5]
164 [4.37, 93.48]
165 [6.31, 93.45]
166 [8.4, 93.38]
167 [9.5, 93.31]
168 [10.49, 93.23]
169 [10.99, 93.18]
170 [12.4, 92.94]

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171                                     [13.11, 92.84]
172                                     [13.67, 92.92]
173                                     [16.42, 93.6]
174                                     [16.91, 93.65]
175                                     [17.97, 93.65]
176                                     [19, 93.83]
177                                     [19.51, 93.89]
178                                     [21.06, 93.94]
179                                     [22.6, 93.95]
180 *%-----|-----
181 ADD HYD          NHYDsum=["J3"], NHYDs to add=["R2"+"EXT4"]
182 *%-----|-----
183 * NOTE: Cross-section number 675.4097 is taken from HEC-RAS Model
184 * NOTE: SEGROUGH will be adjusted after completing the HEC-RAS model
185 ROUTE CHANNEL    NHYDout=["R3"], NHYDin=["J3"], RDT=[1] (min),
186                  CHLGTH=[92.08] (m), CHSLOPE=[0.274] (%), FPSLOPE=[0.274] (%),
187                  SECNUM=[675.4097], NSEG=[3],
188                  ( SEGROUGH, SEGDIST (m))=[0.08,31.64 -0.035,42.44 0.08,48.87] NSEG
189                  times
190                  ( DISTANCE (m), ELEVATION (m))=[30.59, 93.12]
191                  [31.64, 93.13]
192                  [34.35, 93.08]
193                  [35.18, 93.03]
194                  [37.78, 92.72]
195                  [38.25, 92.64]
196                  [38.7, 92.61]
197                  [39.74, 92.76]
198                  [42.44, 93.41]
199                  [42.89, 93.49]
200                  [43.97, 93.57]
201                  [44.92, 93.6]
202                  [46.07, 93.67]
203                  [48.87, 93.74]
204 *%-----|-----
205 ADD HYD          NHYDsum=["J4"], NHYDs to add=["R3"+"EXT5"]
206 *%-----|-----
207 * NOTE: Cross-section number 518.7506 is taken from HEC-RAS Model
208 * NOTE: SEGROUGH will be adjusted after completing the HEC-RAS model
209 ROUTE CHANNEL    NHYDout=["R4"], NHYDin=["J4"], RDT=[1] (min),
210                  CHLGTH=[251.495] (m), CHSLOPE=[0.19] (%), FPSLOPE=[0.19] (%),
211                  SECNUM=[518.7506], NSEG=[3],
212                  ( SEGROUGH, SEGDIST (m))=[0.08,51.48 -0.035,59.39 0.08,66.4] NSEG
213                  times
214                  ( DISTANCE (m), ELEVATION (m))=[0, 92.92]
215                  [4.26, 92.9]
216                  [48.31, 92.76]
217                  [51.48, 92.76]
218                  [53.64, 92.7]
219                  [55.33, 92.29]
220                  [55.44, 92.29]
221                  [56.43, 92.37]
222                  [56.97, 92.43]
223                  [59.39, 93.27]
224                  [59.74, 93.37]
225                  [60.8, 93.52]
226                  [63.31, 93.71]
227                  [66.4, 93.76]
228 *%-----|-----
229 ADD HYD          NHYDsum=["J5"], NHYDs to add=["R4"+"EXT6"+"EXT7"]
230 *%-----|-----
231 * NOTE: Cross-section number 275.0857 is taken from HEC-RAS Model
232 * NOTE: SEGROUGH will be adjusted after completing the HEC-RAS model
233 ROUTE CHANNEL    NHYDout=["R5"], NHYDin=["J5"], RDT=[1] (min),
234                  CHLGTH=[237.343] (m), CHSLOPE=[0.644] (%), FPSLOPE=[0.644] (%),
235                  SECNUM=[275.0857], NSEG=[3],
236                  ( SEGROUGH, SEGDIST (m))=[0.08,40.82 -0.035,53.64 0.08,57.93] NSEG
237                  times
238                  ( DISTANCE (m), ELEVATION (m))=[36.16, 92.63]
239                  [40.82, 92.97]

```

```

237 [41.39, 92.9]
238 [44.69, 91.72]
239 [45.24, 91.58]
240 [46.33, 91.43]
241 [47.41, 91.64]
242 [47.87, 91.75]
243 [49.59, 92.2]
244 [50.99, 92.36]
245 [51.44, 92.48]
246 [53.18, 92.98]
247 [53.64, 93.15]
248 [55.92, 93.66]
249 [57.93, 93.68]
250 *%-----|-----
251 * NOTE: Cross-section number 124 is taken from HEC-RAS Model
252 * NOTE: SEGROUGH will be adjusted after completing the HEC-RAS model
253 ROUTE CHANNEL NHYDout=["R6"], NHYDin=["Pre10"], RDT=[1] (min),
254 CHLGTH=[77.414] (m), CHSLOPE=[0.776] (%), FPSLOPE=[0.776] (%),
255 SECNUM=[124], NSEG=[3],
256 ( SEGROUGH, SEGDIST (m))=[0.08,8.34 -0.035,31.31 0.08,84.97] NSEG
times
( DISTANCE (m), ELEVATION (m))=[1.78, 93.73]
[4.51, 93.54]
[5.06, 93.31]
[7.25, 92.98]
[7.79, 92.77]
[8.34, 92.49]
[9.43, 91.93]
[9.68, 91.81]
[10.53, 91.27]
[12.64, 90.92]
[14.44, 90.9]
[16.54, 91.06]
[17.64, 91.06]
[30.22, 92.3]
[31.31, 92.45]
[33.5, 92.41]
[55.37, 93.11]
[57.01, 93.2]
[84.97, 93.43]
276 *%-----|-----
277 * NOTE: Cross-section number 74 is taken from HEC-RAS Model
278 * NOTE: SEGROUGH will be adjusted after completing the HEC-RAS model
279 ROUTE CHANNEL NHYDout=["R7"], NHYDin=["Pre9"], RDT=[1] (min),
280 CHLGTH=[159.151] (m), CHSLOPE=[1.576] (%), FPSLOPE=[1.576] (%),
281 SECNUM=[74], NSEG=[3],
282 ( SEGROUGH, SEGDIST (m))=[0.08,4.67 -0.035,81.24 0.08,82.88] NSEG
times
( DISTANCE (m), ELEVATION (m))=[1.94, 93.64]
[4.67, 93.32]
[5.77, 93.15]
[7.41, 92.69]
[7.95, 92.37]
[9.36, 91.71]
[10.12, 91.22]
[10.49, 91.06]
[12.64, 90.89]
[16.16, 90.92]
[18.83, 91.66]
[19.59, 92.02]
[21.62, 92.39]
[24.87, 92.48]
[30.37, 92.55]
[34.37, 92.65]
[77.41, 92.82]
[80.6, 93.25]
[81.24, 93.48]
[82.88, 93.79]
303 *%-----|-----

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304 ADD HYD NHYDsum=["J6"], NHYDs to add=["R6"+"EXT10"]
305 *%-----|-----
306 * NOTE: Cross-section number 49 is taken from HEC-RAS Model
307 * NOTE: SEGROUGH will be adjusted after completing the HEC-RAS model
308 ROUTE CHANNEL NHYDout=["R8"], NHYDin=["J6"], RDT=[1] (min),
309 CHLGTH=[78.801] (m), CHSLOPE=[0.522] (%), FPSLOPE=[0.522] (%),
310 SECNUM=[49], NSEG=[3],
311 ( SEGROUGH, SEGDIST (m))=[0.08,8.71 -0.035,20.59 0.08,116.73] NSEG
times
( DISTANCE (m), ELEVATION (m))=[0, 93.36]
[1.93, 93.63]
[4.61, 93.26]
[6.23, 93.1]
[8.19, 92.26]
[8.71, 91.84]
[9.86, 91.47]
[10.53, 91.04]
[13.84, 91]
[14.5, 91.11]
[16.97, 91.27]
[20.59, 91.76]
[23.3, 91.64]
[30.34, 91.85]
[35.29, 91.92]
[116.73, 92.96]
328 *%-----|-----
329 ADD HYD NHYDsum=["J7"], NHYDs to add=["R8"+"R7"]
330 *%-----|-----
331 * NOTE: Cross-section number 7 is taken from HEC-RAS Model
332 * NOTE: SEGROUGH will be adjusted after completing the HEC-RAS model
333 ROUTE CHANNEL NHYDout=["R9"], NHYDin=["J7"], RDT=[1] (min),
334 CHLGTH=[29.445] (m), CHSLOPE=[0.887] (%), FPSLOPE=[0.887] (%),
335 SECNUM=[7], NSEG=[3],
336 ( SEGROUGH, SEGDIST (m))=[0.08,1.5 -0.035,22.44 0.08,100.08] NSEG
times
( DISTANCE (m), ELEVATION (m))=[0, 93.4]
[1.5, 93.63]
[3.13, 93.62]
[4.76, 93.28]
[5.3, 93.25]
[6.52, 93.08]
[6.96, 92.95]
[10.57, 90.95]
[13.59, 90.67]
[15.83, 90.72]
[16.42, 90.85]
[18.66, 91.76]
[20.82, 91.86]
[22.44, 91.92]
[27.84, 91.98]
[30.15, 91.96]
[100.08, 92.61]
354 *%-----|-----
355 ADD HYD NHYDsum=["J8"], NHYDs to add=["EXT9"+"R9"+"EXT8"+"R5"]
356 *%-----|-----
357 * Note: The pipe needs to be adjusted based on the Culvert-under-railway information
358 ROUTE PIPE PTYPE=[1]circ, NHYDout=["Outlet"], RNUMBER=[1.0],
359 PDIAM=[525] (mm), PLNGTH=[8.407] (m), PROUGH=[0.013],
PSLOPE=[0.0001] (m/m),
NHYDin=["J8"], RDT=[1] (min)
361 *%-----|-----
362 *#####
363 *# STORMS
364 *#####
365 *% 2-Year, 3-Hour Chicago Storm
366 START TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[002]
367 ["002YC3H.stm"] <--storm filename, one per line for NSTORM time
368 *%-----|-----
369 *% 5-Year, 3-Hour Chicago Storm

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370 START          TZERO=[0.0],  METOUT=[2],  NSTORM=[1],  NRUN=[005]
371 ["005YC3H.stm"] <--storm filename, one per line for NSTORM time
372 *%-----|
373 *% 10-Year, 3-Hour Chicago Storm
374 START          TZERO=[0.0],  METOUT=[2],  NSTORM=[1],  NRUN=[010]
375 ["010YC3H.stm"] <--storm filename, one per line for NSTORM time
376 *%-----|
377 *% 25-Year, 3-Hour Chicago Storm
378 START          TZERO=[0.0],  METOUT=[2],  NSTORM=[1],  NRUN=[025]
379 ["025YC3H.stm"] <--storm filename, one per line for NSTORM time
380 *%-----|
381 *% 50-Year, 3-Hour Chicago Storm
382 START          TZERO=[0.0],  METOUT=[2],  NSTORM=[1],  NRUN=[050]
383 ["050YC3H.stm"] <--storm filename, one per line for NSTORM time
384 *%-----|
385 *% 100-Year, 3-Hour Chicago Storm
386 START          TZERO=[0.0],  METOUT=[2],  NSTORM=[1],  NRUN=[099]
387 ["100YC3H.stm"] <--storm filename, one per line for NSTORM time
388 *%-----|
389 *% 2-Year, 24-Hour SCS Storm
390 START          TZERO=[0.0],  METOUT=[2],  NSTORM=[1],  NRUN=[102]
391 ["SC24002x.stm"] <--storm filename, one per line for NSTORM time
392 *%-----|
393 *% 5-Year, 24-Hour SCS Storm
394 START          TZERO=[0.0],  METOUT=[2],  NSTORM=[1],  NRUN=[105]
395 ["SC24005x.stm"] <--storm filename, one per line for NSTORM time
396 *%-----|
397 *% 10-Year, 24-Hour SCS Storm
398 START          TZERO=[0.0],  METOUT=[2],  NSTORM=[1],  NRUN=[110]
399 ["SC24010x.stm"] <--storm filename, one per line for NSTORM time
400 *%-----|
401 *% 25-Year, 24-Hour SCS Storm
402 START          TZERO=[0.0],  METOUT=[2],  NSTORM=[1],  NRUN=[125]
403 ["SC24025x.stm"] <--storm filename, one per line for NSTORM time
404 *%-----|
405 *% 50-Year, 24-Hour SCS Storm
406 START          TZERO=[0.0],  METOUT=[2],  NSTORM=[1],  NRUN=[150]
407 ["SC24050x.stm"] <--storm filename, one per line for NSTORM time
408 *%-----|
409 *% 100-Year, 24-Hour SCS Storm
410 START          TZERO=[0.0],  METOUT=[2],  NSTORM=[1],  NRUN=[199]
411 ["SC24100x.stm"] <--storm filename, one per line for NSTORM time
412 *%-----|
413 *% 100-Year, 24-Hour SCS Storm + 20%
414 *START          TZERO=[0.0],  METOUT=[2],  NSTORM=[1],  NRUN=[998]
415 *%              ["SC24100x+.stm"] <--storm filename, one per line for NSTORM time
416 *%-----|
417 *% 100-Year, 3-Hour Chicago Storm + 20%
418 *START          TZERO=[0.0],  METOUT=[2],  NSTORM=[1],  NRUN=[999]
419 *              ["100YRCHI3HR+.stm"] <--storm filename, one per line for NSTORM time
420 *%-----|
421 FINISH

```



```
00001 *****
00002 SSSSS W W M M H H Y Y M M O O 222 000 11 555 *****
00003 SSSS W W M M H H Y Y M M O O 222 0 0 11 5 *****
00004 SSSS W W M M H H Y Y M M O O 2 0 0 11 5 *****
00005 SSSS W W M M H H Y Y M M O O 2 0 0 11 5 *****
00006 S W W M M H H Y Y M M O O 222 0 0 11 555 FEB 2015
00007 SSSSS W W M M H H Y Y M M O O 2 0 0 11 5 *****
00008 *****
00009 Stormwater Management Hydrologic Model 222 000 11 555 *****
00010 *****
00011 *****
00012 ***** SWHYMO Ver 5.000 *****
00013 ***** A single event and continuous hydrologic simulation model *****
00014 ***** based on the principles of HYMO and its successors *****
00015 ***** OTTHMO-83 and OTTHMO-89 *****
00016 *****
00017 ***** Distributed by: J.F. Sabourin and Associates Inc. *****
00018 ***** Ottawa, Ontario: (613) 836-3884 *****
00019 ***** Gatineau, Quebec: (819) 243-6858 *****
00020 ***** E-Mail: smhymol@jfsa.com *****
00021 *****
00022 *****
00023 *****
00024 ***** Licensed user: JFSA *****
00025 ***** any City SERIAL#:2134335 *****
00026 *****
00027 *****
00028 *****
00029 ***** PROGRAM ARRAY DIMENSIONS *****
00030 ***** Maximum value for ID numbers: 1 *****
00031 ***** Max. number of rainfall points: 105408 *****
00032 ***** Max. number of flow points: 105408 *****
00033 *****
00034 *****
00035 *****
00036 ***** S U M M A R Y O U T P U T *****
00037 *****
00038 ***** RUN DATE: 2025-04-15 TIME: 12:55:54 RUN COUNTER: 000657 *****
00039 *****
00040 ***** Input file: T:\PROJ\2710\6011-24 SWAREPOINT\Design\SWHYMO\20250205-Predev\Ott-St-Pre.v04.dat *****
00041 ***** Output file: T:\PROJ\2710\6011-24 SWAREPOINT\Design\SWHYMO\20250205-Predev\Ott-St-Pre.v04.out *****
00042 ***** Summary file: T:\PROJ\2710\6011-24 SWAREPOINT\Design\SWHYMO\20250205-Predev\Ott-St-Pre.v04.sum *****
00043 ***** User comments: *****
00044 ***** 1. *****
00045 ***** 2. *****
00046 ***** 3. *****
00047 *****
00048 *****
00049 *****
00050 *****
00051 ***** SWHYMO / INPUT DATA FILE *****
00052 *****
00053 ***** Project Name : [5923 Ottawa St] *****
00054 ***** Project Number: [P2710\6011] *****
00055 ***** Date : [2025 FEB 05] *****
00056 ***** Modeler : [JFM] *****
00057 ***** Company : JFSA Canada Inc. *****
00058 ***** License # : 2549237 *****
00059 *****
00060 ***** Model developed to simulate runoff from subcatchments under pre development conditions *****
00061 *****
00062 ***** ** END OF RUN : 1 *****
00063 *****
00064 *****
00065 *****
00066 *****
00067 *****
00068 *****
00069 *****
00070 ***** RUN COMMAND *****
00071 ***** R0002:C0001 *****
00072 ***** START *****
00073 ***** (TZERO = .00 hrs on 0) *****
00074 ***** (METOUT= 2 (1=Imperial, 2=metric output)) *****
00075 ***** (INSTORM= 1) *****
00076 ***** (NRUN = 0002) *****
00077 *****
00078 ***** SWHYMO / INPUT DATA FILE *****
00079 *****
00080 ***** Project Name : [5923 Ottawa St] *****
00081 ***** Project Number: [P2710\6011] *****
00082 ***** Date : [2025 FEB 05] *****
00083 ***** Modeler : [JFM] *****
00084 ***** Company : JFSA Canada Inc. *****
00085 ***** License # : 2549237 *****
00086 *****
00087 ***** Model developed to simulate runoff from subcatchments under pre development conditions *****
00088 *****
00089 ***** R0002:C0002 *****
00090 ***** HEAD STORM *****
00091 ***** Filename = STORM.001 *****
00092 ***** Comment = CHICAGO STORM 2 Year, 3 Hours *****
00093 ***** (SDT=10.0;SDUR= 3.00;PTOT= 31.86) *****
00094 *****
00095 ***** # EXT1 *****
00096 *****
00097 ***** R0002:C0003 *****
00098 ***** CALIB NASHYD 1.0 01:EXT1 3.21 .037 No.date 1:58 8.15 .256 .000
00099 ***** [CN= 80.0; N= 3.00; Tpm = .72] *****
00100 *****
00101 ***** # EXT2 *****
00102 *****
00103 ***** R0002:C0004 *****
00104 ***** CALIB NASHYD 1.0 01:EXT2 .28 .007 No.date 1:25 10.26 .322 .000
00105 ***** [CN= 85.0; N= 3.00; Tpm = .32] *****
00106 *****
00107 ***** # EXT3 *****
00108 *****
00109 ***** R0002:C0005 *****
00110 ***** CALIB NASHYD 1.0 01:EXT3 .83 .013 No.date 1:33 7.81 .245 .000
00111 ***** [CN= 80.0; N= 3.00; Tpm = .32] *****
00112 *****
00113 ***** # EXT4 *****
00114 *****
00115 ***** R0002:C0006 *****
00116 ***** CALIB NASHYD 1.0 01:EXT4 .31 .006 No.date 1:22 7.80 .245 .000
00117 ***** [CN= 79.0; N= 3.00; Tpm = .48] *****
00118 *****
00119 ***** # EXT5 *****
00120 *****
00121 ***** R0002:C0007 *****
00122 ***** CALIB NASHYD 1.0 01:EXT5 .59 .008 No.date 1:36 6.88 .216 .000
00123 ***** [CN= 76.0; N= 3.00; Tpm = .45] *****
00124 *****
00125 ***** # EXT6 *****
00126 *****
00127 ***** R0002:C0008 *****
00128 ***** CALIB NASHYD 1.0 01:EXT6 .86 .015 No.date 1:44 10.27 .322 .000
00129 ***** [CN= 85.0; N= 3.00; Tpm = .56] *****
00130 *****
00131 ***** # EXT7 *****
00132 *****
00133 ***** R0002:C0009 *****
00134 ***** CALIB NASHYD 1.0 01:EXT7 .47 .011 No.date 1:24 9.33 .293 .000
00135 ***** [CN= 85.0; N= 3.00; Tpm = .32] *****
00136 *****
00137 ***** # EXT8 *****
00138 *****
00139 ***** R0002:C0010 *****
00140 ***** CALIB NASHYD 1.0 01:EXT8 .83 .013 No.date 1:33 7.81 .245 .000
00141 ***** [CN= 79.0; N= 3.00; Tpm = .42] *****
00142 *****
00143 ***** # EXT9 *****
00144 *****
00145 ***** R0002:C0011 *****
00146 ***** CALIB NASHYD 1.0 01:EXT9 3.57 .045 No.date 1:38 6.88 .216 .000
00147 ***** [CN= 76.0; N= 3.00; Tpm = .48] *****
00148 *****
00149 ***** # EXT9a *****
00150 *****
00151 ***** R0002:C0012 *****
00152 ***** CALIB NASHYD 1.0 01:EXT9a .01 .001 No.date 1:00 7.47 .234 .000
00153 ***** [CN= 78.0; N= 3.00; Tpm = .04] *****
00154 *****
00155 ***** # EXT10 *****
00156 *****
00157 ***** R0002:C0013 *****
00158 ***** CALIB NASHYD 1.0 01:EXT10 .20 .002 No.date 1:34 5.64 .177 .000
00159 ***** [CN= 71.0; N= 3.00; Tpm = .42] *****
00160 *****
00161 ***** # Pre2 *****
00162 *****
00163 ***** R0002:C0014 *****
00164 ***** CALIB NASHYD 1.0 01:Pre2 .57 .008 No.date 1:36 7.48 .235 .000
00165 ***** [CN= 78.0; N= 3.00; Tpm = .46] *****
00166 *****
00167 ***** # Pre9 *****
00168 *****
00169 ***** R0002:C0015 *****
00170 ***** CALIB NASHYD 1.0 01:Pre9 .83 .007 No.date 1:52 5.65 .177 .000
00171 ***** [CN= 71.0; N= 3.00; Tpm = .64] *****
00172 *****
00173 ***** # Pre10 *****
00174 *****
00175 ***** R0002:C0016 *****
00176 ***** CALIB NASHYD 1.0 01:Pre10 .80 .011 No.date 1:22 5.65 .177 .000
00177 ***** [CN= 71.0; N= 3.00; Tpm = .81] *****
00178 *****
00179 ***** # Pre11 *****
00180 *****
00181 ***** R0002:C0017 *****
00182 ***** CALIB NASHYD 1.0 01:EXT1 .03 .013 No.date 1:13 4.7 .235 .000
00183 ***** [CN= 78.0; N= 3.00; Tpm = .21] *****
00184 *****
00185 ***** R0002:C0018 *****
00186 ***** ADD HYD 1.0 02:EXT4 .28 .007 No.date 1:25 10.26 n/a .000
00187 ***** [L/S/m= 73.0 / 425 / 035] *****
00188 ***** SUM= 1.0 01:EXT1 .85 .015 No.date 1:30 8.41 n/a .000
00189 ***** R0002:C0019 *****
00190 ***** ROUTE CHANNEL -> 1.0 02:EXT1 .85 .015 No.date 1:30 8.41 n/a .000
00191 ***** [RD= 1.00] out<- 1.0 01:EXT1 .85 .014 No.date 1:40 8.41 n/a .000
00192 ***** [L/S/m= 143.0 / 384 / 035] *****
00193 ***** (Vmax= .240;Dmax= .082) *****
00194 ***** R0002:C0020 *****
00195 ***** ADD HYD 1.0 02:EXT1 .56 .011 No.date 1:24 8.15 n/a .000
00196 ***** SUM= 1.0 02:EXT1 3.21 .037 No.date 1:58 8.15 n/a .000
00197 ***** ROUTE CHANNEL -> 1.0 01:EXT2 4.62 .057 No.date 1:46 8.20 n/a .000
00198 ***** SUM= 1.0 01:EXT2 4.62 .057 No.date 1:46 8.20 n/a .000
00199 ***** R0002:C0021 *****
00200 ***** ROUTE CHANNEL -> 1.0 02:EXT2 4.62 .057 No.date 1:46 8.20 n/a .000
00201 ***** [RD= 1.00] out<- 1.0 01:EXT2 4.62 .057 No.date 1:49 8.20 n/a .000
00202 ***** [L/S/m= 73.0 / 425 / 035] *****
00203 ***** (Vmax= .350;Dmax= .155) *****
00204 ***** R0002:C0022 *****
00205 ***** ADD HYD 1.0 02:EXT4 .31 .006 No.date 1:22 7.80 n/a .000
00206 ***** SUM= 1.0 02:EXT4 4.93 .061 No.date 1:46 8.27 n/a .000
00207 ***** ROUTE CHANNEL -> 1.0 01:EXT3 4.93 .061 No.date 1:46 8.17 n/a .000
00208 ***** R0002:C0023 *****
00209 ***** ROUTE CHANNEL -> 1.0 01:EXT3 4.93 .061 No.date 1:46 8.17 n/a .000
00210 ***** [RD= 1.00] out<- 1.0 01:EXT3 4.93 .060 No.date 1:52 8.17 n/a .000
00211 ***** [L/S/m= 92.0 / 274 / 035] *****
00212 ***** (Vmax= .281;Dmax= .141) *****
00213 ***** R0002:C0024 *****
00214 ***** ADD HYD 1.0 02:EXT3 4.93 .060 No.date 1:52 8.17 n/a .000
00215 ***** SUM= 1.0 02:EXT3 5.52 .067 No.date 1:50 8.04 n/a .000
00216 ***** R0002:C0025 *****
00217 ***** ROUTE CHANNEL -> 1.0 02:EXT4 5.52 .067 No.date 1:50 8.04 n/a .000
00218 ***** ROUTE CHANNEL -> 1.0 02:EXT4 5.52 .061 No.date 2:05 8.04 n/a .000
00219 ***** [RD= 1.00] out<- 1.0 01:EXT4 5.52 .061 No.date 2:05 8.04 n/a .000
00220 ***** [L/S/m= 231.0 / 190 / 035] *****
00221 ***** (Vmax= .266;Dmax= .173) *****
00222 ***** R0002:C0026 *****
00223 ***** ADD HYD 1.0 02:EXT4 5.52 .061 No.date 2:05 8.04 n/a .000
00224 ***** SUM= 1.0 02:EXT4 5.52 .061 No.date 1:44 10.27 n/a .000
00225 ***** ROUTE CHANNEL -> 1.0 01:EXT7 4.93 .061 No.date 1:24 9.33 n/a .000
00226 ***** SUM= 1.0 01:EXT5 6.86 .080 No.date 1:59 8.41 n/a .000
00227 ***** R0002:C0027 *****
00228 ***** ROUTE CHANNEL -> 1.0 02:EXT5 6.86 .078 No.date 2:07 8.41 n/a .000
00229 ***** [RD= 1.00] out<- 1.0 01:EXT5 6.86 .078 No.date 2:07 8.41 n/a .000
00230 ***** [L/S/m= 231.0 / 190 / 035] *****
00231 ***** (Vmax= .432;Dmax= .146) *****
00232 ***** R0002:C0028 *****
00233 ***** ROUTE CHANNEL -> 1.0 02:Pre10 .80 .011 No.date 1:22 5.65 n/a .000
00234 ***** [RD= 1.00] out<- 1.0 01:EXT6 .80 .011 No.date 1:25 5.65 n/a .000
00235 ***** [L/S/m= 71.0 / 776 / 035] *****
00236 ***** (Vmax= .492;Dmax= .098) *****
00237 ***** R0002:C0029 *****
00238 ***** ROUTE CHANNEL -> 1.0 02:Pre9 .83 .007 No.date 1:52 5.65 n/a .000
00239 ***** [RD= 1.00] out<- 1.0 01:EXT7 .83 .007 No.date 1:56 5.65 n/a .000
00240 ***** [L/S/m= 129.0 / 576 / 035] *****
00241 ***** (Vmax= .797;Dmax= .002) *****
00242 ***** R0002:C0030 *****
00243 ***** ADD HYD 1.0 02:EXT6 .80 .016 No.date 4:19 5.76 n/a .000
00244 ***** SUM= 1.0 02:EXT10 .20 .002 No.date 1:34 5.64 n/a .000
00245 ***** ROUTE CHANNEL -> 1.0 01:EXT6 1.01 .014 No.date 1:19 5.74 n/a .000
00246 ***** R0002:C0031 *****
00247 ***** ROUTE CHANNEL -> 1.0 01:EXT6 1.01 .014 No.date 1:19 5.74 n/a .000
00248 ***** [RD= 1.00] out<- 1.0 01:EXT8 1.01 .013 No.date 1:30 5.74 n/a .000
00249 ***** [L/S/m= 79.0 / 522 / 035] *****
00250 ***** (Vmax= .423;Dmax= .011) *****
00251 ***** R0002:C0032 *****
00252 ***** ADD HYD 1.0 02:EXT7 1.03 .013 No.date 1:30 5.74 n/a .000
00253 ***** SUM= 1.0 02:EXT7 .83 .007 No.date 1:56 5.67 n/a .000
00254 ***** ROUTE CHANNEL -> 1.0 01:EXT7 1.83 .019 No.date 1:35 5.71 n/a .000
00255 ***** [RD= 1.00] out<- 1.0 01:EXT8 1.83 .019 No.date 1:36 5.71 n/a .000
00256 ***** [L/S/m= 28.0 / 887 / 035] *****
00257 ***** (Vmax= .543;Dmax= .013) *****
00258 ***** R0002:C0033 *****
00259 ***** ADD HYD 1.0 02:EXT9 3.57 .045 No.date 1:38 6.88 n/a .000
00260 ***** SUM= 1.0 01:EXT9 1.83 .019 No.date 1:36 5.71 n/a .000
00261 ***** ROUTE CHANNEL -> 1.0 02:EXT8 1.83 .013 No.date 1:33 7.81 n/a .000
00262 ***** SUM= 1.0 01:EXT8 1.83 .013 No.date 2:07 8.41 n/a .000
00263 ***** ROUTE CHANNEL -> 1.0 01:EXT8 1.83 .013 No.date 1:54 7.58 n/a .000
00264 ***** SUM= 1.0 01:EXT8 1.83 .013 No.date 1:54 7.58 n/a .000
00265 ***** R0002:C0035 *****
00266 ***** ROUTE CHANNEL -> 1.0 01:EXT8 1.83 .013 No.date 1:54 7.58 n/a .000
00267 ***** [RD= 1.00] out<- 1.0 01:Outlet 1.83 .013 No.date 1:54 7.58 n/a .000
00268 ***** [RD= 1.00] out<- 1.0 01:Outlet 1.83 .013 No.date 1:54 7.58 n/a .000
00269 ***** [L/S/m= 8.0 / 010 / 013] *****
00270 ***** (Vmax= .304;Dmax= .672) *****
00271 ***** (Dtm= .53;Dusm= .82) *****
00272 ***** *****
00273 ***** # STORMS *****
00274 ***** *****
00275 ***** ** END OF RUN *****
00276 *****
00277 *****
00278 *****
00279 *****
00280 *****
00281 *****
00282 *****
00283 ***** RUN COMMAND *****
00284 ***** R0005:C0001 *****
00285 ***** START *****
00286 ***** (TZERO = .00 hrs on 0) *****
00287 ***** (METOUT= 1 (1=Imperial, 2=metric output)) *****
00288 ***** (INSTORM= 1) *****
00289 ***** (NRUN = 0005) *****
00290 *****
00291 ***** SWHYMO / INPUT DATA FILE *****
00292 *****
00293 ***** Project Name : [5923 Ottawa St] *****
00294 ***** Project Number: [P2710\6011] *****
00295 ***** Date : [2025 FEB 05] *****
00296 ***** Modeler : [JFM] *****
00297 ***** Company : JFSA Canada Inc. *****
00298 ***** License # : 2549237 *****
00299 *****
00300 ***** Model developed to simulate runoff from subcatchments under pre development conditions *****
00301 *****
00302 ***** R0005:C0002 *****
00303 ***** HEAD STORM *****
00304 ***** Filename = STORM.001 *****
00305 ***** Comment = CHICAGO STORM 5 Year, 3 Hours *****
00306 ***** (SDT=10.0;SDUR= 3.00;PTOT= 42.51) *****
00307 *****
00308 ***** # EXT1 *****
00309 *****
00310 ***** R0005:C0003 *****
00311 ***** CALIB NASHYD 1.0 01:EXT1 3.21 .066 No.date 1:55 14.13 .332 .000
00312 ***** [CN= 80.0; N= 3.00; Tpm = .72] *****
00313 *****
00314 ***** # EXT2 *****
00315 *****
00316 ***** R0005:C0004 *****
00317 ***** CALIB NASHYD 1.0 01:EXT2 .28 .012 No.date 1:23 17.32 .407 .000
00318 ***** [CN= 85.0; N= 3.00; Tpm = .33] *****
00319 *****
00320 ***** # EXT3 *****
00321 *****
00322 ***** R0005:C0005 *****
00323 ***** CALIB NASHYD 1.0 01:EXT3 .56 .020 No.date 1:23 14.13 .332 .000
00324 ***** [CN= 80.0; N= 3.00; Tpm = .32] *****
00325 *****
00326 ***** # EXT4 *****
00327 *****
00328 ***** R0005:C0006 *****
00329 ***** CALIB NASHYD 1.0 01:EXT4 .31 .011 No.date 1:21 13.59 .320 .000
00330 ***** [CN= 79.0; N= 3.00; Tpm = .39] *****
00331 *****
00332 ***** # EXT5 *****
00333 *****
00334 ***** R0005:C0007 *****
00335 ***** CALIB NASHYD 1.0 01:EXT5 .83 .024 No.date 1:31 13.59 .320 .000
00336 ***** [CN= 76.0; N= 3.00; Tpm = .45] *****
00337 *****
00338 ***** # EXT6 *****
00339 *****
00340 ***** R0005:C0008 *****
00341 ***** CALIB NASHYD 1.0 01:EXT6 .86 .026 No.date 1:42 17.32 .407 .000
00342 ***** [CN= 85.0; N= 3.00; Tpm = .42] *****
00343 *****
00344 ***** # EXT7 *****
00345 *****
00346 ***** R0005:C0009 *****
00347 ***** CALIB NASHYD 1.0 01:EXT7 .47 .019 No.date 1:23 15.94 .375 .000
00348 ***** [CN= 83.0; N= 3.00; Tpm = .32] *****
00349 *****
00350 ***** # EXT8 *****
00351 *****
00352 ***** R0005:C0010 *****
00353 ***** CALIB NASHYD 1.0 01:EXT8 .83 .024 No.date 1:31 13.59 .320 .000
00354 ***** [CN= 79.0; N= 3.00; Tpm = .42] *****
00355 *****
00356 ***** # EXT9 *****
00357 *****
00358 ***** R0005:C0011 *****
00359 ***** CALIB NASHYD 1.0 01:EXT9 3.57 .083 No.date 1:36 12.13 .285 .000
00360 ***** [CN= 76.0; N= 3.00; Tpm = .81] *****
```

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00361: *****
00362: # EXT3A
00363: *****
00364: R0005:C00012-----DtnIn-ID:INHYD-----AREAhA-QFEARcMs-TpeakDate_hh:mm-----RvM-R.C-----DNFcms
00365: CALIB NASHYD 1.0 01:EXT3A .01 .003 No_date 1:00 13.07 .307 .000
00366: [CN= 78.0: N= 3.00: Tpe = .04]
00367: *****
00368: # EXT10
00369: *****
00370: R0005:C00013-----DtnIn-ID:INHYD-----AREAhA-QFEARcMs-TpeakDate_hh:mm-----RvM-R.C-----DNFcms
00371: CALIB NASHYD 1.0 01:EXT10 .20 .004 No_date 1:32 10.11 .238 .000
00372: [CN= 71.0: N= 3.00: Tpe = .21]
00373: *****
00374: # Pre2
00375: *****
00376: R0005:C00014-----DtnIn-ID:INHYD-----AREAhA-QFEARcMs-TpeakDate_hh:mm-----RvM-R.C-----DNFcms
00377: CALIB NASHYD 1.0 01:Pre2 .57 .015 No_date 1:35 13.08 .308 .000
00378: [CN= 78.0: N= 3.00: Tpe = .46]
00379: *****
00380: # Pre3
00381: *****
00382: R0005:C00015-----DtnIn-ID:INHYD-----AREAhA-QFEARcMs-TpeakDate_hh:mm-----RvM-R.C-----DNFcms
00383: CALIB NASHYD 1.0 01:Pre3 .83 .013 No_date 1:50 10.11 .238 .000
00384: [CN= 71.0: N= 3.00: Tpe = .64]
00385: *****
00386: # Pre10
00387: *****
00388: R0005:C00016-----DtnIn-ID:INHYD-----AREAhA-QFEARcMs-TpeakDate_hh:mm-----RvM-R.C-----DNFcms
00389: CALIB NASHYD 1.0 01:Pre10 .80 .021 No_date 1:21 10.11 .238 .000
00390: [CN= 71.0: N= 3.00: Tpe = .28]
00391: *****
00392: # Pre11
00393: *****
00394: R0005:C00017-----DtnIn-ID:INHYD-----AREAhA-QFEARcMs-TpeakDate_hh:mm-----RvM-R.C-----DNFcms
00395: CALIB NASHYD 1.0 01:Pre11 .07 .003 No_date 1:14 13.07 .308 .000
00396: [CN= 78.0: N= 3.00: Tpe = .21]
00397: *****
00398: R0005:C00018-----DtnIn-ID:INHYD-----AREAhA-QFEARcMs-TpeakDate_hh:mm-----RvM-R.C-----DNFcms
00399: ADD HYD 1.0 02:EXT2 .28 .012 No_date 1:23 17.32 n/a .000
00400: SUM= 1.0 02:Pre2 .57 .015 No_date 1:35 13.08 n/a .000
00401: 1.0 01:21 .85 .026 No_date 1:29 14.50 n/a .000
00402: ROUTE CHANNEL -> 1.0 02:21 .85 .026 No_date 1:29 14.50 n/a .000
00403: [RDT= 1.00] out<- 1.0 01:81 .85 .026 No_date 1:36 14.50 n/a .000
00404: [L/S/n= 143././ 394./035]
00405: (Vmax=.291:Dmax=.19)
00406: *****
00407: R0005:C00019-----DtnIn-ID:INHYD-----AREAhA-QFEARcMs-TpeakDate_hh:mm-----RvM-R.C-----DNFcms
00408: ADD HYD 1.0 02:R1 .85 .025 No_date 1:36 14.50 n/a .000
00409: SUM= 1.0 02:EXT3 .56 .020 No_date 1:23 14.13 n/a .000
00410: 1.0 01:EXT1 3.21 .016 No_date 1:35 14.13 n/a .000
00411: 1.0 01:22 4.62 .102 No_date 1:43 14.20 n/a .000
00412: ROUTE CHANNEL -> 1.0 02:22 4.62 .102 No_date 1:43 14.20 n/a .000
00413: [RDT= 1.00] out<- 1.0 01:82 4.62 .102 No_date 1:45 14.20 n/a .000
00414: [L/S/n= 71././ 425./035]
00415: (Vmax=.412:Dmax=.19)
00416: *****
00417: R0005:C00020-----DtnIn-ID:INHYD-----AREAhA-QFEARcMs-TpeakDate_hh:mm-----RvM-R.C-----DNFcms
00418: ADD HYD 1.0 02:R2 4.62 .101 No_date 1:45 14.20 n/a .000
00419: SUM= 1.0 02:EXT4 .31 .011 No_date 1:21 13.59 n/a .000
00420: 1.0 01:EXT1 4.93 .109 No_date 1:43 14.16 n/a .000
00421: 1.0 01:23 4.93 .108 No_date 1:47 14.16 n/a .000
00422: ROUTE CHANNEL -> 1.0 02:23 4.93 .108 No_date 1:47 14.16 n/a .000
00423: [RDT= 1.00] out<- 1.0 01:83 4.93 .108 No_date 1:47 14.16 n/a .000
00424: [L/S/n= 92././ 274./035]
00425: (Vmax=.337:Dmax=.19)
00426: *****
00427: R0005:C00021-----DtnIn-ID:INHYD-----AREAhA-QFEARcMs-TpeakDate_hh:mm-----RvM-R.C-----DNFcms
00428: ADD HYD 1.0 02:EXT3 .59 .014 No_date 1:34 12.13 n/a .000
00429: SUM= 1.0 01:EXT4 5.52 .121 No_date 1:45 13.94 n/a .000
00430: 1.0 01:EXT1 4.93 .109 No_date 1:43 14.16 n/a .000
00431: 1.0 01:24 5.52 .121 No_date 1:45 13.94 n/a .000
00432: ROUTE CHANNEL -> 1.0 02:24 5.52 .121 No_date 1:45 13.94 n/a .000
00433: [RDT= 1.00] out<- 1.0 01:84 5.52 .122 No_date 1:58 13.94 n/a .000
00434: [L/S/n= 251././ 190./035]
00435: (Vmax=.323:Dmax=.22)
00436: *****
00437: R0005:C00022-----DtnIn-ID:INHYD-----AREAhA-QFEARcMs-TpeakDate_hh:mm-----RvM-R.C-----DNFcms
00438: ADD HYD 1.0 02:R4 5.52 .112 No_date 1:58 13.94 n/a .000
00439: SUM= 1.0 02:EXT7 .47 .019 No_date 1:23 15.94 n/a .000
00440: 1.0 01:EXT1 6.86 .147 No_date 1:53 14.51 n/a .000
00441: 1.0 01:25 6.86 .147 No_date 1:53 14.51 n/a .000
00442: ROUTE CHANNEL -> 1.0 02:25 6.86 .144 No_date 2:00 14.51 n/a .000
00443: [L/S/n= 237././ 644./035]
00444: (Vmax=.519:Dmax=.21)
00445: *****
00446: R0005:C00023-----DtnIn-ID:INHYD-----AREAhA-QFEARcMs-TpeakDate_hh:mm-----RvM-R.C-----DNFcms
00447: ROUTE CHANNEL -> 1.0 02:Pre10 .80 .021 No_date 1:21 10.11 n/a .000
00448: [RDT= 1.00] out<- 1.0 01:86 .80 .021 No_date 1:24 10.11 n/a .000
00449: [L/S/n= 77././ 776./035]
00450: (Vmax=.492:Dmax=.01)
00451: *****
00452: R0005:C00024-----DtnIn-ID:INHYD-----AREAhA-QFEARcMs-TpeakDate_hh:mm-----RvM-R.C-----DNFcms
00453: ROUTE CHANNEL -> 1.0 02:Pre9 .83 .013 No_date 1:50 10.11 n/a .000
00454: [RDT= 1.00] out<- 1.0 01:EXT7 4.83 .013 No_date 1:54 10.11 n/a .000
00455: [L/S/n= 159./1.576./035]
00456: (Vmax=.797:Dmax=.004)
00457: *****
00458: R0005:C00025-----DtnIn-ID:INHYD-----AREAhA-QFEARcMs-TpeakDate_hh:mm-----RvM-R.C-----DNFcms
00459: ADD HYD 1.0 02:R6 .80 .021 No_date 1:24 10.26 n/a .000
00460: SUM= 1.0 02:EXT10 1.01 .025 No_date 1:25 10.23 n/a .000
00461: 1.0 01:26 1.01 .025 No_date 1:25 10.23 n/a .000
00462: ROUTE CHANNEL -> 1.0 02:26 1.01 .025 No_date 1:25 10.23 n/a .000
00463: [RDT= 1.00] out<- 1.0 01:88 1.01 .025 No_date 1:28 10.23 n/a .000
00464: [L/S/n= 79././ 322./035]
00465: (Vmax=.423:Dmax=.018)
00466: *****
00467: R0005:C0003-----DtnIn-ID:INHYD-----AREAhA-QFEARcMs-TpeakDate_hh:mm-----RvM-R.C-----DNFcms
00468: ADD HYD 1.0 02:R8 1.01 .025 No_date 1:28 10.23 n/a .000
00469: SUM= 1.0 02:R7 .83 .013 No_date 1:54 10.14 n/a .000
00470: 1.0 01:EXT7 1.83 .035 No_date 1:34 10.19 n/a .000
00471: 1.0 01:28 1.83 .035 No_date 1:34 10.19 n/a .000
00472: ROUTE CHANNEL -> 1.0 02:27 1.83 .035 No_date 1:34 10.19 n/a .000
00473: [L/S/n= 29././ 887./035]
00474: (Vmax=.543:Dmax=.003)
00475: *****
00476: R0005:C00034-----DtnIn-ID:INHYD-----AREAhA-QFEARcMs-TpeakDate_hh:mm-----RvM-R.C-----DNFcms
00477: ADD HYD 1.0 02:EXT9 3.57 .083 No_date 1:36 12.13 n/a .000
00478: SUM= 1.0 02:R9 1.83 .035 No_date 1:34 10.20 n/a .000
00479: 1.0 02:EXT8 .83 .024 No_date 1:31 13.59 n/a .000
00480: 1.0 01:EXT6 6.86 .144 No_date 2:00 14.51 n/a .000
00481: 1.0 01:28 13.10 .264 No_date 1:49 13.20 n/a .000
00482: ROUTE CHANNEL -> 1.0 02:28 13.10 .264 No_date 1:49 13.20 n/a .000
00483: [RDT= 1.00] out<- 1.0 01:88 13.10 .264 No_date 1:49 13.20 n/a .000
00484: [L/S/n= 77././ 776./035]
00485: (Vmax=.462:Dmax=.021)
00486: *****
00487: R0005:C00029-----DtnIn-ID:INHYD-----AREAhA-QFEARcMs-TpeakDate_hh:mm-----RvM-R.C-----DNFcms
00488: ROUTE CHANNEL -> 1.0 02:Pre9 .83 .018 No_date 1:49 13.53 n/a .000
00489: [RDT= 1.00] out<- 1.0 01:87 .83 .018 No_date 1:53 13.53 n/a .000
00490: [L/S/n= 159./1.576./035]
00491: (Vmax=.797:Dmax=.005)
00492: *****
00493: R0005:C00030-----DtnIn-ID:INHYD-----AREAhA-QFEARcMs-TpeakDate_hh:mm-----RvM-R.C-----DNFcms
00494: ADD HYD 1.0 02:EXT9 3.57 .083 No_date 1:36 12.13 n/a .000
00495: SUM= 1.0 02:EXT10 1.01 .025 No_date 1:25 10.23 n/a .000
00496: 1.0 01:28 1.01 .025 No_date 1:25 10.23 n/a .000
00497: ROUTE CHANNEL -> 1.0 02:28 1.01 .025 No_date 1:25 10.23 n/a .000
00498: [RDT= 1.00] out<- 1.0 01:88 1.01 .025 No_date 1:28 13.66 n/a .000
00499: [L/S/n= 29././ 887./035]
00500: (Vmax=.543:Dmax=.003)
00501: *****
00502: R0005:C00034-----DtnIn-ID:INHYD-----AREAhA-QFEARcMs-TpeakDate_hh:mm-----RvM-R.C-----DNFcms
00503: ADD HYD 1.0 02:EXT9 3.57 .083 No_date 1:36 12.13 n/a .000
00504: SUM= 1.0 02:EXT10 1.01 .025 No_date 1:25 10.23 n/a .000
00505: 1.0 01:28 1.01 .025 No_date 1:25 10.23 n/a .000
00506: ROUTE CHANNEL -> 1.0 02:28 1.01 .025 No_date 1:25 10.23 n/a .000
00507: [RDT= 1.00] out<- 1.0 01:88 1.01 .025 No_date 1:28 13.66 n/a .000
00508: [L/S/n= 29././ 887./035]
00509: (Vmax=.543:Dmax=.003)
00510: *****
00511: R0005:C00035-----DtnIn-ID:INHYD-----AREAhA-QFEARcMs-TpeakDate_hh:mm-----RvM-R.C-----DNFcms
00512: ADD HYD 1.0 02:EXT9 3.57 .083 No_date 1:36 12.13 n/a .000
00513: SUM= 1.0 02:EXT10 1.01 .025 No_date 1:25 10.23 n/a .000
00514: 1.0 01:28 1.01 .025 No_date 1:25 10.23 n/a .000
00515: ROUTE CHANNEL -> 1.0 02:28 1.01 .025 No_date 1:25 10.23 n/a .000
00516: [RDT= 1.00] out<- 1.0 01:88 1.01 .025 No_date 1:28 13.66 n/a .000
00517: [L/S/n= 29././ 887./035]
00518: (Vmax=.543:Dmax=.003)
00519: *****
00520: R0005:C00036-----DtnIn-ID:INHYD-----AREAhA-QFEARcMs-TpeakDate_hh:mm-----RvM-R.C-----DNFcms
00521: ADD HYD 1.0 02:EXT9 3.57 .083 No_date 1:36 12.13 n/a .000
00522: SUM= 1.0 02:EXT10 1.01 .025 No_date 1:25 10.23 n/a .000
00523: 1.0 01:28 1.01 .025 No_date 1:25 10.23 n/a .000
00524: ROUTE CHANNEL -> 1.0 02:28 1.01 .025 No_date 1:25 10.23 n/a .000
00525: [RDT= 1.00] out<- 1.0 01:88 1.01 .025 No_date 1:28 13.66 n/a .000
00526: [L/S/n= 29././ 887./035]
00527: (Vmax=.543:Dmax=.003)
00528: *****
00529: R0005:C0004-----DtnIn-ID:INHYD-----AREAhA-QFEARcMs-TpeakDate_hh:mm-----RvM-R.C-----DNFcms
00530: CALIB NASHYD 1.0 01:EXT3 .56 .027 No_date 1:23 18.55 .375 .000
00531: [CN= 85.0: N= 3.00: Tpe = .33]
00532: *****
00533: # EXT3
00534: *****
00535: R0005:C00005-----DtnIn-ID:INHYD-----AREAhA-QFEARcMs-TpeakDate_hh:mm-----RvM-R.C-----DNFcms
00536: CALIB NASHYD 1.0 01:EXT3 .56 .027 No_date 1:23 18.55 .375 .000
00537: [CN= 80.0: N= 3.00: Tpe = .21]
00538: *****
00539: # EXT4
00540: *****
00541: R0010:C00006-----DtnIn-ID:INHYD-----AREAhA-QFEARcMs-TpeakDate_hh:mm-----RvM-R.C-----DNFcms
00542: CALIB NASHYD 1.0 01:EXT4 .31 .013 No_date 1:20 17.89 .361 .000
00543: [CN= 79.0: N= 3.00: Tpe = .29]
00544: *****
00545: # EXT5
00546: *****
00547: R0010:C00007-----DtnIn-ID:INHYD-----AREAhA-QFEARcMs-TpeakDate_hh:mm-----RvM-R.C-----DNFcms
00548: CALIB NASHYD 1.0 01:EXT5 .59 .019 No_date 1:33 16.07 .325 .000
00549: [CN= 78.0: N= 3.00: Tpe = .45]
00550: *****
00551: # EXT6
00552: *****
00553: R0010:C00008-----DtnIn-ID:INHYD-----AREAhA-QFEARcMs-TpeakDate_hh:mm-----RvM-R.C-----DNFcms
00554: CALIB NASHYD 1.0 01:EXT6 .86 .035 No_date 1:41 22.42 .453 .000
00555: [CN= 83.0: N= 3.00: Tpe = .46]
00556: *****
00557: # EXT7
00558: *****
00559: R0010:C00009-----DtnIn-ID:INHYD-----AREAhA-QFEARcMs-TpeakDate_hh:mm-----RvM-R.C-----DNFcms
00560: CALIB NASHYD 1.0 01:EXT7 .57 .020 No_date 1:34 17.26 .349 .000
00561: [CN= 83.0: N= 3.00: Tpe = .32]
00562: *****
00563: # EXT8
00564: *****
00565: R0010:C00010-----DtnIn-ID:INHYD-----AREAhA-QFEARcMs-TpeakDate_hh:mm-----RvM-R.C-----DNFcms
00566: CALIB NASHYD 1.0 01:EXT8 .83 .032 No_date 1:31 17.89 .361 .000
00567: [CN= 79.0: N= 3.00: Tpe = .42]
00568: *****
00569: # EXT9
00570: *****
00571: R0010:C00011-----DtnIn-ID:INHYD-----AREAhA-QFEARcMs-TpeakDate_hh:mm-----RvM-R.C-----DNFcms
00572: CALIB NASHYD 1.0 01:EXT9 3.57 .111 No_date 1:36 16.08 .325 .000
00573: [CN= 76.0: N= 3.00: Tpe = .48]
00574: *****
00575: # EXT9a
00576: *****
00577: R0010:C00012-----DtnIn-ID:INHYD-----AREAhA-QFEARcMs-TpeakDate_hh:mm-----RvM-R.C-----DNFcms
00578: CALIB NASHYD 1.0 01:EXT9a .01 .001 No_date 1:00 17.25 .348 .000
00579: [CN= 78.0: N= 3.00: Tpe = .04]
00580: *****
00581: # EXT10
00582: *****
00583: R0010:C00013-----DtnIn-ID:INHYD-----AREAhA-QFEARcMs-TpeakDate_hh:mm-----RvM-R.C-----DNFcms
00584: CALIB NASHYD 1.0 01:EXT10 .20 .006 No_date 1:31 13.53 .273 .000
00585: [CN= 71.0: N= 3.00: Tpe = .81]
00586: *****
00587: # Pre2
00588: *****
00589: R0010:C00014-----DtnIn-ID:INHYD-----AREAhA-QFEARcMs-TpeakDate_hh:mm-----RvM-R.C-----DNFcms
00590: CALIB NASHYD 1.0 01:Pre2 .57 .020 No_date 1:34 17.26 .349 .000
00591: [CN= 78.0: N= 3.00: Tpe = .46]
00592: *****
00593: # Pre9
00594: *****
00595: R0010:C00015-----DtnIn-ID:INHYD-----AREAhA-QFEARcMs-TpeakDate_hh:mm-----RvM-R.C-----DNFcms
00596: CALIB NASHYD 1.0 01:Pre9 .83 .018 No_date 1:49 13.53 .273 .000
00597: [CN= 71.0: N= 3.00: Tpe = .21]
00598: *****
00599: # Pre10
00600: *****
00601: R0010:C00016-----DtnIn-ID:INHYD-----AREAhA-QFEARcMs-TpeakDate_hh:mm-----RvM-R.C-----DNFcms
00602: CALIB NASHYD 1.0 01:EXT10 .80 .029 No_date 1:21 13.53 .273 .000
00603: [CN= 71.0: N= 3.00: Tpe = .29]
00604: *****
00605: # Pre11
00606: *****
00607: R0010:C00017-----DtnIn-ID:INHYD-----AREAhA-QFEARcMs-TpeakDate_hh:mm-----RvM-R.C-----DNFcms
00608: CALIB NASHYD 1.0 01:Pre11 .07 .004 No_date 1:14 17.25 .348 .000
00609: [CN= 78.0: N= 3.00: Tpe = .21]
00610: *****
00611: R0010:C00018-----DtnIn-ID:INHYD-----AREAhA-QFEARcMs-TpeakDate_hh:mm-----RvM-R.C-----DNFcms
00612: ADD HYD 1.0 02:Pre2 .57 .020 No_date 1:34 17.26 n/a .000
00613: SUM= 1.0 01:21 .85 .035 No_date 1:28 18.99 n/a .000
00614: 1.0 01:22 4.83 .035 No_date 1:28 18.99 n/a .000
00615: ROUTE CHANNEL -> 1.0 02:21 .85 .035 No_date 1:28 18.99 n/a .000
00616: [RDT= 1.00] out<- 1.0 01:81 .85 .035 No_date 1:28 18.99 n/a .000
00617: [L/S/n= 143././ 394./035]
00618: (Vmax=.311:Dmax=.122)
00619: *****
00620: R0010:C00019-----DtnIn-ID:INHYD-----AREAhA-QFEARcMs-TpeakDate_hh:mm-----RvM-R.C-----DNFcms
00621: ADD HYD 1.0 02:R1 .85 .033 No_date 1:35 18.99 n/a .000
00622: SUM= 1.0 01:EXT3 .56 .020 No_date 1:23 18.55 n/a .000
00623: 1.0 01:EXT1 6.86 .147 No_date 1:53 14.51 n/a .000
00624: 1.0 01:22 4.83 .035 No_date 1:28 18.99 n/a .000
00625: ROUTE CHANNEL -> 1.0 02:21 4.83 .035 No_date 1:28 18.99 n/a .000
00626: [RDT= 1.00] out<- 1.0 01:82 4.83 .035 No_date 1:28 18.99 n/a .000
00627: [L/S/n= 73././ 425./035]
00628: (Vmax=.444:Dmax=.219)
00629: *****
00630: R0010:C0002-----DtnIn-ID:INHYD-----AREAhA-QFEARcMs-TpeakDate_hh:mm-----RvM-R.C-----DNFcms
00631: ADD HYD 1.0 02:R2 4.62 .135 No_date 1:45 18.63 n/a .000
00632: SUM= 1.0 01:EXT4 .31 .011 No_date 1:21 13.59 n/a .000
00633: 1.0 01:23 4.93 .145 No_date 1:42 18.59 n/a .000
00634: ROUTE CHANNEL -> 1.0 02:23 4.93 .145 No_date 1:42 18.59 n/a .000
00635: [RDT= 1.00] out<- 1.0 01:83 4.93 .144 No_date 1:46 18.59 n/a .000
00636: [L/S/n= 92././ 274./035]
00637: (Vmax=.337:Dmax=.19)
00638: *****
00639: R0010:C00024-----DtnIn-ID:INHYD-----AREAhA-QFEARcMs-TpeakDate_hh:mm-----RvM-R.C-----DNFcms
00640: ADD HYD 1.0 02:R3 1.44 .024 No_date 1:14 14.59 n/a .000
00641: SUM= 1.0 02:EXT5 .59 .019 No_date 1:33 16.07 .325 .000
00642: 1.0 01:EXT2 5.52 .121 No_date 1:45 13.94 n/a .000
00643: ROUTE CHANNEL -> 1.0 02:24 5.52 .162 No_date 1:44 18.32 n/a .000
00644: [RDT= 1.00] out<- 1.0 01:84 5.52 .151 No_date 1:54 18.32 n/a .000
00645: [L/S/n= 251././ 190./035]
00646: (Vmax=.323:Dmax=.22)
00647: *****
00648: R0010:C00026-----DtnIn-ID:INHYD-----AREAhA-QFEARcMs-TpeakDate_hh:mm-----RvM-R.C-----DNFcms
00649: ADD HYD 1.0 02:R4 5.52 .151 No_date 1:56 18.32 n/a .000
00650: SUM= 1.0 02:EXT6 .86 .035 No_date 1:41 22.42 n/a .000
00651: 1.0 02:EXT7 .47 .025 No_date 1:22 17.57 n/a .000
00652: ROUTE CHANNEL -> 1.0 02:25 6.86 .197 No_date 1:51 19.00 n/a .000
00653: [RDT= 1.00] out<- 1.0 01:85 6.86 .194 No_date 1:56 19.00 n/a .000
00654: [L/S/n= 237././ 644./035]
00655: (Vmax=.519:Dmax=.21)
00656: *****
00657: R0010:C00028-----DtnIn-ID:INHYD-----AREAhA-QFEARcMs-TpeakDate_hh:mm-----RvM-R.C-----DNFcms
00658: ROUTE CHANNEL -> 1.0 02:Pre10 .80 .029 No_date 1:21 13.53 n/a .000
00659: [RDT= 1.00] out<- 1.0 01:86 .80 .029 No_date 1:24 13.53 n/a .000
00660: [L/S/n= 77././ 776./035]
00661: (Vmax=.492:Dmax=.01)
00662: *****
00663: R0010:C00029-----DtnIn-ID:INHYD-----AREAhA-QFEARcMs-TpeakDate_hh:mm-----RvM-R.C-----DNFcms
00664: ROUTE CHANNEL -> 1.0 02:Pre9 .83 .018 No_date 1:49 13.53 n/a .000
00665: [RDT= 1.00] out<- 1.0 01:87 .83 .018 No_date 1:53 13.53 n/a .000
00666: [L/S/n= 159./1.576./035]
00667: (Vmax=.797:Dmax=.005)
00668: *****
00669: R0010:C00030-----DtnIn-ID:INHYD-----AREAhA-QFEARcMs-TpeakDate_hh:mm-----RvM-R.C-----DNFcms
00670: ADD HYD 1.0 02:EXT9 3.57 .083 No_date 1:36 12.13 n/a .000
00671: SUM= 1.0 02:EXT10 1.01 .025 No_date 1:25 10.23 n/a .000
00672: 1.0 01:28 1.01 .025 No_date 1:25 10.23 n/a .000
00673: ROUTE CHANNEL -> 1.0 02:28 1.01 .025 No_date 1:24 13.66 n/a .000
00674: [RDT= 1.00] out<- 1.0 01:88 1.01 .034 No_date 1:24 13.66 n/a .000
00675: [L/S/n= 29././ 887./035]
00676: (Vmax=.543:Dmax=.003)
00677: *****
00678: R0010:C00032-----DtnIn-ID:INHYD-----AREAhA-QFEARcMs-TpeakDate_hh:mm-----RvM-R.C-----DNFcms
00679: ADD HYD 1.0 02:R8 1.01 .034 No_date 1:28 13.66 n/a .000
00680: SUM= 1.0 02:R7 .83 .018 No_date 1:53 13.55 n/a .000
00681: 1.0 01:EXT7 1.83 .047 No_date 1:33 13.61 n/a .000
00682: ROUTE CHANNEL -> 1.0 02:27 1.83 .047 No_date 1:33 13.61 n/a .000
00683: [RDT= 1.00] out<- 1.0 01:89 1.83 .047 No_date 1:34 13.61 n/a .000
00684: [L/S/n= 29././ 887./035]
00685: (Vmax=.543:Dmax=.003)
00686: *****
00687: R0010:C00034-----DtnIn-ID:INHYD-----AREAhA-QFEARcMs-TpeakDate_hh:mm-----RvM-R.C-----DNFcms
00688: ADD HYD 1.0 02:EXT9 3.57 .083 No_date 1:36 12.13 n/a .000
00689: SUM= 1.0 02:EXT8 .83 .032 No_date 1:31 17.89 n/a .000
00690: 1.0 01:EXT6 6.86 .144 No_date 2:00 14.51 n/a .000
00691: 1.0 01:28 13.10 .264 No_date 1:47 17.38 n/a .000
00692: ROUTE CHANNEL -> 1.0 02:28 13.10 .264 No_date 1:47 17.38 n/a .000
00693: [RDT= 1.00] out<- 1.0 01:88 13.10 .264 No_date 1:47 17.38 n/a .000
00694: [L/S/n= 29././ 887./035]
00695: (Vmax=.543:Dmax=.003)
00696: *****
00697: R0010:C00035-----DtnIn-ID:INHYD-----AREAhA-QFEARcMs-TpeakDate_hh:mm-----RvM-R.C-----DNFcms
00698: ADD HYD 1.0 02:EXT9 3.57 .083 No_date 1:36 12.13 n/a .000
00699: SUM= 1.0 02:EXT10 1.01 .025 No_date 1:25 10.23 n/a .000
00700: 1.0 01:28 1.01 .025 No_date 1:25 10.23 n/a .000
00701: ROUTE CHANNEL -> 1.0 02:28 1.01 .025 No_date 1:25 10.23 n/a .000
00702: [RDT= 1.00] out<- 1.0 01:88 1.01 .025 No_date 1:28 13.66 n/a .000
00703: [L/S/n= 29././ 887./035]
00704: (Vmax=.543:Dmax=.003)
00705: *****
00706: # STORMS
00707: *****
00708: # STORMS
00709: *****
00710: # STORMS
00711: *****
00712: # STORMS
00713: *****
00714: # STORMS
00715: *****
00716: # STORMS
00717: *****
00718: # STORMS
00719: *****
00720: # STORMS
00721: *****
00722: # STORMS
00723: *****
00724: # STORMS
00725: *****
00726: # STORMS
00727
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00722# Date      : [2025 FEB 05]
00722# Modifier  : [NM]
00723# Company   : JPSA Canada Inc.
00724# License # : 2549237
00725# *****
00726# Comment    : CHICAGO STORM 25 Year, 3 Hours
00732# [SDT=10.00IDHW= 3.00IPTOT= 58.23]
00733# *****
00734# #EXT1
00735# *****
00736# CALIB MASHID 1.0 01EXT1 3.21 .118 No_date 1:53 24.50 .421 .000
00737# [CN= 80.0; No 3.00; Tpt .72]
00738# *****
00739# #EXT2
00740# *****
00741# R0025C00004-----DtnIn-IDrNVD-----AREAhA-OPEAKs=TpkAdtDate_hh:mm-----Rvwm-R-C-----DfWmS
00742# CALIB MASHID 1.0 01EXT2 .28 .022 No_date 1:22 29.15 .501 .000
00743# [CN= 85.0; No 3.00; Tpt .33]
00744# *****
00745# R0025C00003-----DtnIn-IDrNVD-----AREAhA-OPEAKs=TpkAdtDate_hh:mm-----Rvwm-R-C-----DfWmS
00746# CALIB MASHID 1.0 01EXT3 .24 .036 No_date 1:22 24.50 .421 .000
00747# [CN= 80.0; No 3.00; Tpt .32]
00748# *****
00749# #EXT4
00750# *****
00751# R0025C00006-----DtnIn-IDrNVD-----AREAhA-OPEAKs=TpkAdtDate_hh:mm-----Rvwm-R-C-----DfWmS
00752# CALIB MASHID 1.0 01EXT4 .31 .020 No_date 1:20 23.69 .407 .000
00753# [CN= 91.0; No 3.00; Tpt .29]
00754# *****
00755# #EXT5
00756# *****
00757# R0025C00007-----DtnIn-IDrNVD-----AREAhA-OPEAKs=TpkAdtDate_hh:mm-----Rvwm-R-C-----DfWmS
00758# CALIB MASHID 1.0 01EXT5 .25 .026 No_date 1:33 21.44 .368 .000
00759# [CN= 76.0; No 3.00; Tpt .45]
00760# *****
00761# #EXT6
00762# *****
00763# R0025C00008-----DtnIn-IDrNVD-----AREAhA-OPEAKs=TpkAdtDate_hh:mm-----Rvwm-R-C-----DfWmS
00764# CALIB MASHID 1.0 01EXT6 .86 .046 No_date 1:40 29.15 .501 .000
00765# [CN= 76.0; No 3.00; Tpt .48]
00766# *****
00767# #EXT7
00768# *****
00769# R0025C00009-----DtnIn-IDrNVD-----AREAhA-OPEAKs=TpkAdtDate_hh:mm-----Rvwm-R-C-----DfWmS
00770# CALIB MASHID 1.0 01EXT7 .57 .027 No_date 1:33 22.91 .393 .000
00771# [CN= 83.0; No 3.00; Tpt .32]
00772# *****
00773# #EXT8
00774# *****
00775# R0025C00010-----DtnIn-IDrNVD-----AREAhA-OPEAKs=TpkAdtDate_hh:mm-----Rvwm-R-C-----DfWmS
00776# CALIB MASHID 1.0 01EXT8 .83 .043 No_date 1:30 23.69 .407 .000
00777# [CN= 79.0; No 3.00; Tpt .42]
00778# *****
00779# #EXT9
00780# *****
00781# R0025C00011-----DtnIn-IDrNVD-----AREAhA-OPEAKs=TpkAdtDate_hh:mm-----Rvwm-R-C-----DfWmS
00782# CALIB MASHID 1.0 01EXT9 3.57 .151 No_date 1:35 21.44 .368 .000
00783# [CN= 91.0; No 3.00; Tpt .48]
00784# *****
00785# #EXT10
00786# *****
00787# R0025C00012-----DtnIn-IDrNVD-----AREAhA-OPEAKs=TpkAdtDate_hh:mm-----Rvwm-R-C-----DfWmS
00788# CALIB MASHID 1.0 01EXT10 .20 .008 No_date 1:31 18.23 .313 .000
00789# [CN= 80.0; No 3.00; Tpt .42]
00790# *****
00791# #EXT11
00792# *****
00793# R0025C00013-----DtnIn-IDrNVD-----AREAhA-OPEAKs=TpkAdtDate_hh:mm-----Rvwm-R-C-----DfWmS
00794# CALIB MASHID 1.0 01EXT11 .01 .002 No_date 1:33 22.91 .393 .000
00795# [CN= 78.0; No 3.00; Tpt .46]
00796# *****
00797# #EXT12
00798# *****
00799# R0025C00014-----DtnIn-IDrNVD-----AREAhA-OPEAKs=TpkAdtDate_hh:mm-----Rvwm-R-C-----DfWmS
00800# CALIB MASHID 1.0 01EXT12 .07 .005 No_date 1:13 22.90 .393 .000
00801# [CN= 78.0; No 3.00; Tpt .21]
00802# *****
00803# #EXT13
00804# *****
00805# R0025C00015-----DtnIn-IDrNVD-----AREAhA-OPEAKs=TpkAdtDate_hh:mm-----Rvwm-R-C-----DfWmS
00806# CALIB MASHID 1.0 01EXT13 .57 .027 No_date 1:33 22.91 .393 .000
00807# [CN= 78.0; No 3.00; Tpt .46]
00808# *****
00809# #EXT14
00810# *****
00811# R0025C00016-----DtnIn-IDrNVD-----AREAhA-OPEAKs=TpkAdtDate_hh:mm-----Rvwm-R-C-----DfWmS
00812# CALIB MASHID 1.0 01EXT14 .80 .040 No_date 1:20 18.23 .313 .000
00813# [CN= 71.0; No 3.00; Tpt .29]
00814# *****
00815# #EXT15
00816# *****
00817# R0025C00017-----DtnIn-IDrNVD-----AREAhA-OPEAKs=TpkAdtDate_hh:mm-----Rvwm-R-C-----DfWmS
00818# CALIB MASHID 1.0 01EXT15 .01 .002 No_date 1:00 27.43 .423 .000
00819# [CN= 78.0; No 3.00; Tpt .21]
00820# *****
00821# #EXT16
00822# *****
00823# R0025C00018-----DtnIn-IDrNVD-----AREAhA-OPEAKs=TpkAdtDate_hh:mm-----Rvwm-R-C-----DfWmS
00824# CALIB MASHID 1.0 01EXT16 .07 .005 No_date 1:13 22.90 .393 .000
00825# [CN= 78.0; No 3.00; Tpt .21]
00826# *****
00827# #EXT17
00828# *****
00829# R0025C00019-----DtnIn-IDrNVD-----AREAhA-OPEAKs=TpkAdtDate_hh:mm-----Rvwm-R-C-----DfWmS
00830# CALIB MASHID 1.0 01EXT17 .57 .027 No_date 1:33 22.91 .393 .000
00831# [CN= 78.0; No 3.00; Tpt .21]
00832# *****
00833# #EXT18
00834# *****
00835# R0025C00020-----DtnIn-IDrNVD-----AREAhA-OPEAKs=TpkAdtDate_hh:mm-----Rvwm-R-C-----DfWmS
00836# CALIB MASHID 1.0 01EXT18 .83 .043 No_date 1:30 23.69 .407 .000
00837# [CN= 79.0; No 3.00; Tpt .42]
00838# *****
00839# #EXT19
00840# *****
00841# R0025C00021-----DtnIn-IDrNVD-----AREAhA-OPEAKs=TpkAdtDate_hh:mm-----Rvwm-R-C-----DfWmS
00842# CALIB MASHID 1.0 01EXT19 3.57 .151 No_date 1:35 21.44 .368 .000
00843# [CN= 91.0; No 3.00; Tpt .48]
00844# *****
00845# #EXT20
00846# *****
00847# R0025C00022-----DtnIn-IDrNVD-----AREAhA-OPEAKs=TpkAdtDate_hh:mm-----Rvwm-R-C-----DfWmS
00848# CALIB MASHID 1.0 01EXT20 .20 .008 No_date 1:31 18.23 .313 .000
00849# [CN= 80.0; No 3.00; Tpt .42]
00850# *****
00851# #EXT21
00852# *****
00853# R0025C00023-----DtnIn-IDrNVD-----AREAhA-OPEAKs=TpkAdtDate_hh:mm-----Rvwm-R-C-----DfWmS
00854# CALIB MASHID 1.0 01EXT21 .01 .002 No_date 1:33 22.91 .393 .000
00855# [CN= 78.0; No 3.00; Tpt .46]
00856# *****
00857# #EXT22
00858# *****
00859# R0025C00024-----DtnIn-IDrNVD-----AREAhA-OPEAKs=TpkAdtDate_hh:mm-----Rvwm-R-C-----DfWmS
00860# CALIB MASHID 1.0 01EXT22 .07 .005 No_date 1:13 22.90 .393 .000
00861# [CN= 78.0; No 3.00; Tpt .21]
00862# *****
00863# #EXT23
00864# *****
00865# R0025C00025-----DtnIn-IDrNVD-----AREAhA-OPEAKs=TpkAdtDate_hh:mm-----Rvwm-R-C-----DfWmS
00866# CALIB MASHID 1.0 01EXT23 .57 .027 No_date 1:33 22.91 .393 .000
00867# [CN= 78.0; No 3.00; Tpt .21]
00868# *****
00869# #EXT24
00870# *****
00871# R0025C00026-----DtnIn-IDrNVD-----AREAhA-OPEAKs=TpkAdtDate_hh:mm-----Rvwm-R-C-----DfWmS
00872# CALIB MASHID 1.0 01EXT24 .83 .043 No_date 1:30 23.69 .407 .000
00873# [CN= 79.0; No 3.00; Tpt .42]
00874# *****
00875# #EXT25
00876# *****
00877# R0025C00027-----DtnIn-IDrNVD-----AREAhA-OPEAKs=TpkAdtDate_hh:mm-----Rvwm-R-C-----DfWmS
00878# CALIB MASHID 1.0 01EXT25 .20 .008 No_date 1:31 18.23 .313 .000
00879# [CN= 80.0; No 3.00; Tpt .42]
00880# *****
00881# #EXT26
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[RDT= 1.00] out<- 1.0 01:R5 6.86 .018_NoDate 1:52 29.83 n/a .000
01083 [L/S/m= 237./ .644/.035]
01084 (Vmax= 658.0max= 288)
01085 R009C00028-----D-Tmin-ID:INHYD-----AREHA-QFEAKs-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
01086 ROUTE CHANNEL -> 1.0 02:Pre0 .80 .049_NoDate 1:20 22.07 n/a .000
01087 [RDT= 1.00] out<- 1.0 01:R6 .80 .048_NoDate 1:23 22.07 n/a .000
01088 [L/S/m= 77./ .776/.035]
01089 (Vmax= 492.0max= 036)
01090 R009C00029-----D-Tmin-ID:INHYD-----AREHA-QFEAKs-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
01091 ROUTE CHANNEL -> 1.0 02:Pre9 .83 .029_NoDate 1:48 22.07 n/a .000
01092 [RDT= 1.00] out<- 1.0 01:R7 .83 .029_NoDate 1:51 22.07 n/a .000
01093 [L/S/m= 159./ 1.576/.035]
01094 (Vmax= 797.0max= 009)
01095 R009C00030-----D-Tmin-ID:INHYD-----AREHA-QFEAKs-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
01096 ADD HYD + 1.0 02:R6 .80 .048_NoDate 1:23 22.28 n/a .000
01097 [RDT= 1.00] out<- 1.0 01:R8 1.01 .057_NoDate 1:24 22.24 n/a .000
01098 [L/S/m= 77./ .776/.035]
01099 (Vmax= 492.0max= 036)
01100 R009C00031-----D-Tmin-ID:INHYD-----AREHA-QFEAKs-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
01101 ROUTE CHANNEL -> 1.0 02:INHYD .83 .029_NoDate 1:54 22.24 n/a .000
01102 [RDT= 1.00] out<- 1.0 01:R8 1.01 .056_NoDate 1:27 22.24 n/a .000
01103 [L/S/m= 78./ .822/.035]
01104 (Vmax= 421.0max= 042)
01105 R009C00032-----D-Tmin-ID:INHYD-----AREHA-QFEAKs-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
01106 ADD HYD + 1.0 02:R8 3.57 .033_NoDate 1:27 22.24 n/a .000
01107 [RDT= 1.00] out<- 1.0 01:R9 1.83 .029_NoDate 1:51 22.09 n/a .000
01108 [L/S/m= 143./ .394/.035]
01109 (Vmax= 375.0max= 142)
01110 R009C00033-----D-Tmin-ID:INHYD-----AREHA-QFEAKs-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
01111 ROUTE CHANNEL -> 1.0 02:INHYD 1.83 .079_NoDate 1:32 22.17 n/a .000
01112 [RDT= 1.00] out<- 1.0 01:R9 1.83 .079_NoDate 1:32 22.17 n/a .000
01113 [L/S/m= 29./ .887/.035]
01114 (Vmax= 543.0max= 011)
01115 R009C00034-----D-Tmin-ID:INHYD-----AREHA-QFEAKs-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
01116 ADD HYD + 1.0 02:INHYD 3.57 .033_NoDate 1:27 22.17 n/a .000
01117 [RDT= 1.00] out<- 1.0 01:R9 1.83 .079_NoDate 1:32 22.17 n/a .000
01118 [L/S/m= 29./ .887/.035]
01119 (Vmax= 543.0max= 011)
01120 R009C00035-----D-Tmin-ID:INHYD-----AREHA-QFEAKs-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
01121 ROUTE CHANNEL -> 1.0 02:INHYD 1.83 .079_NoDate 1:32 22.17 n/a .000
01122 [RDT= 1.00] out<- 1.0 01:R9 1.83 .079_NoDate 1:32 22.17 n/a .000
01123 [L/S/m= 29./ .887/.035]
01124 (Vmax= 543.0max= 011)
01125 R009C00036-----D-Tmin-ID:INHYD-----AREHA-QFEAKs-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
01126 ADD HYD + 1.0 02:INHYD 3.57 .033_NoDate 1:27 22.17 n/a .000
01127 [RDT= 1.00] out<- 1.0 01:R9 1.83 .079_NoDate 1:32 22.17 n/a .000
01128 [L/S/m= 29./ .887/.035]
01129 (Vmax= 543.0max= 011)
01130 R009C00037-----D-Tmin-ID:INHYD-----AREHA-QFEAKs-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
01131 ROUTE CHANNEL -> 1.0 02:INHYD 1.83 .079_NoDate 1:32 22.17 n/a .000
01132 [RDT= 1.00] out<- 1.0 01:R9 1.83 .079_NoDate 1:32 22.17 n/a .000
01133 [L/S/m= 29./ .887/.035]
01134 (Vmax= 543.0max= 011)
01135 R009C00038-----D-Tmin-ID:INHYD-----AREHA-QFEAKs-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
01136 ROUTE CHANNEL -> 1.0 02:INHYD 1.83 .079_NoDate 1:32 22.17 n/a .000
01137 [RDT= 1.00] out<- 1.0 01:R9 1.83 .079_NoDate 1:32 22.17 n/a .000
01138 [L/S/m= 29./ .887/.035]
01139 (Vmax= 543.0max= 011)
01140 R009C00039-----D-Tmin-ID:INHYD-----AREHA-QFEAKs-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
01141 ROUTE CHANNEL -> 1.0 02:INHYD 1.83 .079_NoDate 1:32 22.17 n/a .000
01142 [RDT= 1.00] out<- 1.0 01:R9 1.83 .079_NoDate 1:32 22.17 n/a .000
01143 [L/S/m= 29./ .887/.035]
01144 (Vmax= 543.0max= 011)
01145 R009C00040-----D-Tmin-ID:INHYD-----AREHA-QFEAKs-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
01146 ROUTE CHANNEL -> 1.0 02:INHYD 1.83 .079_NoDate 1:32 22.17 n/a .000
01147 [RDT= 1.00] out<- 1.0 01:R9 1.83 .079_NoDate 1:32 22.17 n/a .000
01148 [L/S/m= 29./ .887/.035]
01149 (Vmax= 543.0max= 011)
01150 R009C00041-----D-Tmin-ID:INHYD-----AREHA-QFEAKs-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
01151 ROUTE CHANNEL -> 1.0 02:INHYD 1.83 .079_NoDate 1:32 22.17 n/a .000
01152 [RDT= 1.00] out<- 1.0 01:R9 1.83 .079_NoDate 1:32 22.17 n/a .000
01153 [L/S/m= 29./ .887/.035]
01154 (Vmax= 543.0max= 011)
01155 R009C00042-----D-Tmin-ID:INHYD-----AREHA-QFEAKs-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
01156 ROUTE CHANNEL -> 1.0 02:INHYD 1.83 .079_NoDate 1:32 22.17 n/a .000
01157 [RDT= 1.00] out<- 1.0 01:R9 1.83 .079_NoDate 1:32 22.17 n/a .000
01158 [L/S/m= 29./ .887/.035]
01159 (Vmax= 543.0max= 011)
01160 R009C00043-----D-Tmin-ID:INHYD-----AREHA-QFEAKs-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
01161 ROUTE CHANNEL -> 1.0 02:INHYD 1.83 .079_NoDate 1:32 22.17 n/a .000
01162 [RDT= 1.00] out<- 1.0 01:R9 1.83 .079_NoDate 1:32 22.17 n/a .000
01163 [L/S/m= 29./ .887/.035]
01164 (Vmax= 543.0max= 011)
01165 R009C00044-----D-Tmin-ID:INHYD-----AREHA-QFEAKs-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
01166 ROUTE CHANNEL -> 1.0 02:INHYD 1.83 .079_NoDate 1:32 22.17 n/a .000
01167 [RDT= 1.00] out<- 1.0 01:R9 1.83 .079_NoDate 1:32 22.17 n/a .000
01168 [L/S/m= 29./ .887/.035]
01169 (Vmax= 543.0max= 011)
01170 R009C00045-----D-Tmin-ID:INHYD-----AREHA-QFEAKs-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
01171 ROUTE CHANNEL -> 1.0 02:INHYD 1.83 .079_NoDate 1:32 22.17 n/a .000
01172 [RDT= 1.00] out<- 1.0 01:R9 1.83 .079_NoDate 1:32 22.17 n/a .000
01173 [L/S/m= 29./ .887/.035]
01174 (Vmax= 543.0max= 011)
01175 R009C00046-----D-Tmin-ID:INHYD-----AREHA-QFEAKs-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
01176 ROUTE CHANNEL -> 1.0 02:INHYD 1.83 .079_NoDate 1:32 22.17 n/a .000
01177 [RDT= 1.00] out<- 1.0 01:R9 1.83 .079_NoDate 1:32 22.17 n/a .000
01178 [L/S/m= 29./ .887/.035]
01179 (Vmax= 543.0max= 011)
01180 R009C00047-----D-Tmin-ID:INHYD-----AREHA-QFEAKs-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
01181 ROUTE CHANNEL -> 1.0 02:INHYD 1.83 .079_NoDate 1:32 22.17 n/a .000
01182 [RDT= 1.00] out<- 1.0 01:R9 1.83 .079_NoDate 1:3
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01441# R0102/C00014-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
01442# CALIB NASHYD 1.0 01:Pre11 .07 .003 No_date 12:07 16.60 343 .000
01443# [CN= 78.0; N= 3.00; Tpe= .46]
01444# # Pre9
01445# *****
01446# *****
01447# R0102/C00015-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
01448# CALIB NASHYD 1.0 01:Pre9 .83 .012 No_date 12:37 12.99 268 .000
01449# [CN= 71.0; N= 3.00; Tpe= .44]
01450# *****
01451# # Pre10
01452# *****
01453# R0102/C00016-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
01454# CALIB NASHYD 1.0 01:Pre10 .80 .020 No_date 12:12 12.99 268 .000
01455# [CN= 71.0; N= 3.00; Tpe= .44]
01456# *****
01457# # Pre11
01458# *****
01459# R0102/C00017-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
01460# CALIB NASHYD 1.0 01:Pre11 .07 .003 No_date 12:07 16.60 343 .000
01461# [CN= 78.0; N= 3.00; Tpe= .21]
01462# *****
01463# R0102/C00018-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
01464# ADD HYD + 1.0 02:EXT2 .28 .011 No_date 12:14 21.63 n/a .000
01465# + 1.0 02:EXT2 .57 .013 No_date 12:23 16.61 n/a .000
01466# SUM= 1.0 01:21 .85 .024 No_date 12:18 18.29 n/a .000
01467# R0102/C00019-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
01468# ROUTE CHANNEL -> 1.0 02:21 .85 .024 No_date 12:18 18.29 n/a .000
01469# [RDTE=1.00] out<- 1.0 01:R1 .85 .022 No_date 12:25 18.29 n/a .000
01470# [L/S/n= 143./ / .394/.035]
01471# (Vmax= .278;Dmax= .103)
01472# R0102/C00020-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
01473# ADD HYD + 1.0 02:R1 .85 .022 No_date 12:25 18.29 n/a .000
01474# + 1.0 02:EXT3 .56 .018 No_date 12:13 17.87 n/a .000
01475# + 1.0 02:EXT3 .31 .021 No_date 12:42 17.87 n/a .000
01476# SUM= 1.0 01:22 4.62 .090 No_date 12:30 17.95 n/a .000
01477# R0102/C00021-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
01478# ROUTE CHANNEL -> 1.0 02:22 4.62 .090 No_date 12:30 17.95 n/a .000
01479# [RDTE=1.00] out<- 1.0 01:R2 4.62 .090 No_date 12:33 17.95 n/a .000
01480# [L/S/n= 73./ / .425/.035]
01481# (Vmax= .398;Dmax= .186)
01482# R0102/C00022-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
01483# ADD HYD + 1.0 02:R2 4.62 .090 No_date 12:33 17.95 n/a .000
01484# + 1.0 02:EXT4 .31 .010 No_date 12:12 17.22 n/a .000
01485# SUM= 4.93 .096 No_date 12:30 17.90 n/a .000
01486# R0102/C00023-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
01487# ROUTE CHANNEL -> 1.0 01:R3 4.93 .095 No_date 12:35 17.90 n/a .000
01488# [RDTE=1.00] out<- 1.0 01:R3 4.93 .095 No_date 12:35 17.90 n/a .000
01489# [L/S/n= 92./ / .274/.035]
01490# (Vmax= .324;Dmax= .146)
01491# R0102/C00024-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
01492# ADD HYD + 1.0 02:EXT5 .59 .013 No_date 12:22 15.46 n/a .000
01493# + 1.0 02:EXT5 .52 .022 No_date 12:33 17.64 n/a .000
01494# SUM= 1.0 01:24 5.52 .107 No_date 12:33 17.64 n/a .000
01495# R0102/C00025-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
01496# ROUTE CHANNEL -> 1.0 01:24 5.52 .107 No_date 12:33 17.64 n/a .000
01497# [RDTE=1.00] out<- 1.0 01:R4 5.52 .098 No_date 12:46 17.64 n/a .000
01498# [L/S/n= 251./ / .394/.035]
01499# (Vmax= .309;Dmax= .120)
01500# R0102/C00026-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
01501# ADD HYD + 1.0 02:R4 5.52 .098 No_date 12:46 17.64 n/a .000
01502# + 1.0 02:EXT6 .20 .004 No_date 12:20 12.99 n/a .000
01503# + 1.0 02:EXT7 .47 .017 No_date 12:13 20.01 n/a .000
01504# SUM= 1.0 01:25 6.86 .128 No_date 12:40 18.31 n/a .000
01505# R0102/C00027-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
01506# ROUTE CHANNEL -> 1.0 01:25 6.86 .128 No_date 12:40 18.31 n/a .000
01507# [RDTE=1.00] out<- 1.0 01:R5 6.86 .125 No_date 12:47 18.31 n/a .000
01508# [L/S/n= 237./ / .644/.035]
01509# (Vmax= .501;Dmax= .200)
01510# R0102/C00028-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
01511# ROUTE CHANNEL -> 1.0 01:Pre10 .80 .020 No_date 12:12 12.99 n/a .000
01512# [RDTE=1.00] out<- 1.0 01:R6 3.80 .019 No_date 12:15 12.99 n/a .000
01513# [L/S/n= 77./ / .776/.035]
01514# (Vmax= .492;Dmax= .041)
01515# R0102/C00029-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
01516# ADD HYD + 1.0 01:Pre9 .83 .012 No_date 12:37 12.99 n/a .000
01517# [RDTE=1.00] out<- 1.0 01:R7 4.83 .012 No_date 12:40 12.99 n/a .000
01518# [L/S/n= 159./ / .576/.035]
01519# (Vmax= .797;Dmax= .003)
01520# R0102/C00030-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
01521# ADD HYD + 1.0 02:R6 .80 .019 No_date 12:15 13.03 n/a .000
01522# + 1.0 02:EXT10 .20 .004 No_date 12:20 12.99 n/a .000
01523# SUM= 1.0 01:26 1.01 .023 No_date 12:15 13.02 n/a .000
01524# R0102/C00031-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
01525# ROUTE CHANNEL -> 1.0 02:26 1.01 .023 No_date 12:15 13.02 n/a .000
01526# [RDTE=1.00] out<- 1.0 01:R8 1.01 .023 No_date 12:19 13.02 n/a .000
01527# [L/S/n= 79./ / .322/.035]
01528# (Vmax= .423;Dmax= .017)
01529# R0102/C00032-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
01530# ADD HYD + 1.0 02:R8 1.01 .023 No_date 12:19 13.02 n/a .000
01531# + 1.0 02:R7 .83 .011 No_date 12:40 13.00 n/a .000
01532# SUM= 1.0 01:27 1.83 .032 No_date 12:22 13.02 n/a .000
01533# R0102/C00033-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
01534# ROUTE CHANNEL -> 1.0 02:27 1.83 .032 No_date 12:22 13.01 n/a .000
01535# [RDTE=1.00] out<- 1.0 01:R9 1.83 .032 No_date 12:23 13.01 n/a .000
01536# [L/S/n= 29./ / .887/.035]
01537# (Vmax= .543;Dmax= .004)
01538# R0102/C00034-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
01539# ADD HYD + 1.0 02:EXT9 3.57 .074 No_date 12:25 15.46 n/a .000
01540# + 1.0 02:R9 1.83 .032 No_date 12:20 13.02 n/a .000
01541# + 1.0 02:EXT8 .83 .021 No_date 12:20 17.22 n/a .000
01542# SUM= 6.86 .129 No_date 12:47 18.31 n/a .000
01543# R0102/C00035-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
01544# ROUTE PIPE -> 1.0 01:R10 13.10 .223 No_date 12:35 16.72 n/a .000
01545# [RDTE=1.00] out<- 1.0 01:Outlet 13.10 .229 No_date 12:42 16.72 n/a .000
01546# [L/S/n= 143./ / .394/.035]
01547# (Vmax= .345;Dmax= .812)
01548# [Dtn= .55;Dmax= .39]
01549# *****
01550# *****
01551# # STORMS
01552# *****
01553# ** END OF RUN : 104
01554# *****
01555# *****
01556# *****
01557# *****
01558# *****
01559# *****
01560# *****
01561# RUN COMMANDS
01562# *****
01563# START = .00 hrs on 0
01564# [METOUT= 2 (i=imperial, 2=metric output)]
01565# [NFORM= 1]
01566# [NFORM= 1]
01567# *****
01568# *****
01569# *****
01570# *****
01571# *****
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01799# *****
01800# *****
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018001 DRAIN-ID:INVDYD-----AREAaha-OFPEAKms-TpeakDate_hh:mm-----Rvum-R.C-----DWfms
018002 CALIB MASHD 1.0 01:EXT1 3.21 .121 No_date 12:40 36.46 490 .000
018003 [Cm: 80.0; Nm: 3.00; Tpe: .72]
018004 ***** EXT2 *****
018005 # EXT2
018006 ***** EXT3 *****
018007 RUM:ICOMMAND#1
018008 CALIB MASHD 1.0 01:EXT2 .28 .022 No_date 12:13 42.40 570 .000
018009 [Cm: 85.0; Nm: 3.00; Tpe: .231]
018010 ***** EXT4 *****
018011 DRAIN-ID:INVDYD-----AREAaha-OFPEAKms-TpeakDate_hh:mm-----Rvum-R.C-----DWfms
018012 CALIB MASHD 1.0 01:EXT2 .01 .002 No_date 12:10 34.35 462 .000
018013 [Cm: 80.0; Nm: 3.00; Tpe: .32]
018014 ***** EXT5 *****
018015 DRAIN-ID:INVDYD-----AREAaha-OFPEAKms-TpeakDate_hh:mm-----Rvum-R.C-----DWfms
018016 CALIB MASHD 1.0 01:EXT4 .31 .022 No_date 12:11 35.39 476 .000
018017 [Cm: 85.0; Nm: 3.00; Tpe: .291]
018018 ***** EXT6 *****
018019 DRAIN-ID:INVDYD-----AREAaha-OFPEAKms-TpeakDate_hh:mm-----Rvum-R.C-----DWfms
018020 CALIB MASHD 1.0 01:EXT4 .31 .022 No_date 12:11 35.39 476 .000
018021 [Cm: 85.0; Nm: 3.00; Tpe: .291]
018022 ***** EXT7 *****
018023 DRAIN-ID:INVDYD-----AREAaha-OFPEAKms-TpeakDate_hh:mm-----Rvum-R.C-----DWfms
018024 CALIB MASHD 1.0 01:EXT2 .01 .002 No_date 12:10 34.35 462 .000
018025 [Cm: 80.0; Nm: 3.00; Tpe: .32]
018026 ***** EXT8 *****
018027 DRAIN-ID:INVDYD-----AREAaha-OFPEAKms-TpeakDate_hh:mm-----Rvum-R.C-----DWfms
018028 CALIB MASHD 1.0 01:EXT2 .59 .028 No_date 12:22 32.39 436 .000
018029 [Cm: 76.0; Nm: 3.00; Tpe: .45]
018030 ***** EXT9 *****
018031 DRAIN-ID:INVDYD-----AREAaha-OFPEAKms-TpeakDate_hh:mm-----Rvum-R.C-----DWfms
018032 CALIB MASHD 1.0 01:EXT2 .01 .002 No_date 12:10 34.35 462 .000
018033 [Cm: 80.0; Nm: 3.00; Tpe: .32]
018034 ***** EXT10 *****
018035 DRAIN-ID:INVDYD-----AREAaha-OFPEAKms-TpeakDate_hh:mm-----Rvum-R.C-----DWfms
018036 CALIB MASHD 1.0 01:EXT2 .01 .002 No_date 12:10 34.35 462 .000
018037 [Cm: 80.0; Nm: 3.00; Tpe: .32]
018038 ***** EXT11 *****
018039 DRAIN-ID:INVDYD-----AREAaha-OFPEAKms-TpeakDate_hh:mm-----Rvum-R.C-----DWfms
018040 CALIB MASHD 1.0 01:EXT2 .01 .002 No_date 12:10 34.35 462 .000
018041 [Cm: 80.0; Nm: 3.00; Tpe: .32]
018042 ***** EXT12 *****
018043 DRAIN-ID:INVDYD-----AREAaha-OFPEAKms-TpeakDate_hh:mm-----Rvum-R.C-----DWfms
018044 CALIB MASHD 1.0 01:EXT8 .83 .045 No_date 12:19 35.39 476 .000
018045 [Cm: 79.0; Nm: 3.00; Tpe: .42]
018046 ***** EXT13 *****
018047 DRAIN-ID:INVDYD-----AREAaha-OFPEAKms-TpeakDate_hh:mm-----Rvum-R.C-----DWfms
018048 CALIB MASHD 1.0 01:EXT2 .01 .002 No_date 12:10 34.35 462 .000
018049 [Cm: 80.0; Nm: 3.00; Tpe: .32]
018050 ***** EXT14 *****
018051 DRAIN-ID:INVDYD-----AREAaha-OFPEAKms-TpeakDate_hh:mm-----Rvum-R.C-----DWfms
018052 CALIB MASHD 1.0 01:EXT9 3.57 .158 No_date 12:24 32.39 436 .000
018053 [Cm: 76.0; Nm: 3.00; Tpe: .48]
018054 ***** EXT15 *****
018055 DRAIN-ID:INVDYD-----AREAaha-OFPEAKms-TpeakDate_hh:mm-----Rvum-R.C-----DWfms
018056 CALIB MASHD 1.0 01:EXT2 .01 .002 No_date 12:10 34.35 462 .000
018057 [Cm: 80.0; Nm: 3.00; Tpe: .32]
018058 ***** EXT16 *****
018059 DRAIN-ID:INVDYD-----AREAaha-OFPEAKms-TpeakDate_hh:mm-----Rvum-R.C-----DWfms
018060 CALIB MASHD 1.0 01:EXT2 .01 .002 No_date 12:10 34.35 462 .000
018061 [Cm: 80.0; Nm: 3.00; Tpe: .32]
018062 ***** EXT17 *****
018063 DRAIN-ID:INVDYD-----AREAaha-OFPEAKms-TpeakDate_hh:mm-----Rvum-R.C-----DWfms
018064 CALIB MASHD 1.0 01:EXT10 .20 .008 No_date 12:20 27.99 377 .000
018065 [Cm: 76.0; Nm: 3.00; Tpe: .45]
018066 ***** EXT18 *****
018067 DRAIN-ID:INVDYD-----AREAaha-OFPEAKms-TpeakDate_hh:mm-----Rvum-R.C-----DWfms
018068 CALIB MASHD 1.0 01:EXT2 .01 .002 No_date 12:10 34.35 462 .000
018069 [Cm: 80.0; Nm: 3.00; Tpe: .32]
018070 ***** EXT19 *****
018071 DRAIN-ID:INVDYD-----AREAaha-OFPEAKms-TpeakDate_hh:mm-----Rvum-R.C-----DWfms
018072 CALIB MASHD 1.0 01:EXT2 .01 .002 No_date 12:10 34.35 462 .000
018073 [Cm: 80.0; Nm: 3.00; Tpe: .32]
018074 ***** EXT20 *****
018075 DRAIN-ID:INVDYD-----AREAaha-OFPEAKms-TpeakDate_hh:mm-----Rvum-R.C-----DWfms
018076 CALIB MASHD 1.0 01:EXT2 .01 .002 No_date 12:10 34.35 462 .000
018077 [Cm: 80.0; Nm: 3.00; Tpe: .32]
018078 ***** EXT21 *****
018079 DRAIN-ID:INVDYD-----AREAaha-OFPEAKms-TpeakDate_hh:mm-----Rvum-R.C-----DWfms
018080 CALIB MASHD 1.0 01:EXT2 .01 .002 No_date 12:10 34.35 462 .000
018081 [Cm: 80.0; Nm: 3.00; Tpe: .32]
018082 ***** EXT22 *****
018083 DRAIN-ID:INVDYD-----AREAaha-OFPEAKms-TpeakDate_hh:mm-----Rvum-R.C-----DWfms
018084 CALIB MASHD 1.0 01:EXT2 .01 .002 No_date 12:10 34.35 462 .000
018085 [Cm: 80.0; Nm: 3.00; Tpe: .32]
018086 ***** EXT23 *****
018087 DRAIN-ID:INVDYD-----AREAaha-OFPEAKms-TpeakDate_hh:mm-----Rvum-R.C-----DWfms
018088 CALIB MASHD 1.0 01:EXT2 .01 .002 No_date 12:10 34.35 462 .000
018089 [Cm: 80.0; Nm: 3.00; Tpe: .32]
018090 ***** EXT24 *****
018091 DRAIN-ID:INVDYD-----AREAaha-OFPEAKms-TpeakDate_hh:mm-----Rvum-R.C-----DWfms
018092 CALIB MASHD 1.0 01:EXT2 .01 .002 No_date 12:10 34.35 462 .000
018093 [Cm: 80.0; Nm: 3.00; Tpe: .32]
018094 ***** EXT25 *****
018095 DRAIN-ID:INVDYD-----AREAaha-OFPEAKms-TpeakDate_hh:mm-----Rvum-R.C-----DWfms
018096 CALIB MASHD 1.0 01:EXT2 .01 .002 No_date 12:10 34.35 462 .000
018097 [Cm: 80.0; Nm: 3.00; Tpe: .32]
018098 ***** EXT26 *****
018099 DRAIN-ID:INVDYD-----AREAaha-OFPEAKms-TpeakDate_hh:mm-----Rvum-R.C-----DWfms
018100 CALIB MASHD 1.0 01:EXT2 .01 .002 No_date 12:10 34.35 462 .000
018101 [Cm: 80.0; Nm: 3.00; Tpe: .32]
018102 ***** EXT27 *****
018103 DRAIN-ID:INVDYD-----AREAaha-OFPEAKms-TpeakDate_hh:mm-----Rvum-R.C-----DWfms
018104 CALIB MASHD 1.0 01:EXT2 .01 .002 No_date 12:10 34.35 462 .000
018105 [Cm: 80.0; Nm: 3.00; Tpe: .32]
018106 ***** EXT28 *****
018107 DRAIN-ID:INVDYD-----AREAaha-OFPEAKms-TpeakDate_hh:mm-----Rvum-R.C-----DWfms
018108 CALIB MASHD 1.0 01:EXT2 .01 .002 No_date 12:10 34.35 462 .000
018109 [Cm: 80.0; Nm: 3.00; Tpe: .32]
018110 ***** EXT29 *****
018111 DRAIN-ID:INVDYD-----AREAaha-OFPEAKms-TpeakDate_hh:mm-----Rvum-R.C-----DWfms
018112 CALIB MASHD 1.0 01:EXT2 .01 .002 No_date 12:10 34.35 462 .000
018113 [Cm: 80.0; Nm: 3.00; Tpe: .32]
018114 ***** EXT30 *****
018115 DRAIN-ID:INVDYD-----AREAaha-OFPEAKms-TpeakDate_hh:mm-----Rvum-R.C-----DWfms
018116 CALIB MASHD 1.0 01:EXT2 .01 .002 No_date 12:10 34.35 462 .000
018117 [Cm: 80.0; Nm: 3.00; Tpe: .32]
018118 ***** EXT31 *****
018119 DRAIN-ID:INVDYD-----AREAaha-OFPEAKms-TpeakDate_hh:mm-----Rvum-R.C-----DWfms
018120 CALIB MASHD 1.0 01:EXT2 .01 .002 No_date 12:10 34.35 462 .000
018121 [Cm: 80.0; Nm: 3.00; Tpe: .32]
018122 ***** EXT32 *****
018123 DRAIN-ID:INVDYD-----AREAaha-OFPEAKms-TpeakDate_hh:mm-----Rvum-R.C-----DWfms
018124 CALIB MASHD 1.0 01:EXT2 .01 .002 No_date 12:10
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02161+ 1.0 02:EXT10 .20 .011 No_date 12:20 36.34 n/a .000
02162+ 1.0 01:EXT5 1.01 .066 No_date 12:19 36.40 n/a .000
02163+ R0125:C00031-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02164+ ROUTE CHANNEL > 1.0 01:EXT6 1.01 .066 No_date 12:19 36.40 n/a .000
02165+ RDY=1.001 out<- 1.0 01:EXT8 1.01 .065 No_date 12:18 36.40 n/a .000
02166+ [L/S/n= 79./ .522/.035]
02167+ (Vmax=.441Dmax=.049)
02168+ R0125:C00032-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02169+ ADD HYD 1.0 02:EXT8 1.01 .065 No_date 12:18 36.40 n/a .000
02170+ + 1.0 02:EXT7 .83 .033 No_date 12:19 36.36 n/a .000
02171+ SUM= 1.0 01:EXT7 1.83 .092 No_date 12:21 36.38 n/a .000
02172+ R0125:C00033-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02173+ ROUTE CHANNEL -> 1.0 01:EXT7 1.83 .092 No_date 12:21 36.38 n/a .000
02174+ RDY=1.001 out<- 1.0 01:EXT9 1.83 .092 No_date 12:22 36.38 n/a .000
02175+ [L/S/n= 29./ .887/.035]
02176+ (Vmax=.543Dmax=.062)
02177+ R0125:C00034-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02178+ ADD HYD 1.0 02:EXT9 3.57 .205 No_date 12:23 41.62 n/a .000
02179+ + 1.0 02:EXT8 1.83 .092 No_date 12:22 36.39 n/a .000
02180+ + 1.0 02:EXT7 .83 .033 No_date 12:19 36.36 n/a .000
02181+ + 1.0 02:EXT5 6.86 .352 No_date 12:19 47.13 n/a .000
02182+ SUM= 1.0 01:EXT8 13.10 .079 No_date 12:21 44.00 n/a .000
02183+ R0125:C00035-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02184+ ROUTE PIPE > 1.0 02:EXT8 13.10 .079 No_date 12:21 44.00 n/a .000
02185+ + RDY=1.001 out<- 1.0 01:Outlet 13.10 .074 No_date 12:19 44.00 n/a .000
02186+ [L/S/n= 8./ .010/.013]
02187+ (Vmax=.451Dmax=.120)
02188+ (Dtm=.53Dused=.147)
02189+ *****
02190+ # STORM
02191+ *****
02192+ ** END OF RUN 1 149
02193+
02194+
02195+
02196+
02197+
02198+
02199+
02200+ RUN:COMMAND#
02201+ R0150:C00001-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02202+ START
02203+ (TZERO=.00 hrs on 0)
02204+ (METFORM= 2 (1=imperial, 2=metric output))
02205+ (INSTORM= 1)
02206+ (NRUN=.019)
02207+
02208+ # SWHYND / INPUT DATA FILE
02209+
02210+ # Project Name : [5923 Ottawa St]
02211+ # Project Number: [92710(e01)]
02212+ # Date : [2025 FEB 05]
02213+ # Modelier : [JFM]
02214+ # Company : [JFSA Canada Inc.]
02215+ # License # : 2549237
02216+ *****
02217+ # Model developed to simulate runoff from subcatchments under pre development conditions
02218+ *****
02219+
02220+ R0150:C00002-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02221+ READ STORM
02222+ File name = STORM.001
02223+ Comment = 10 years SCS Type 2 Storm 24 Hours step 10 min, City of Ottawa
02224+ (SDT=10.00;SDRM= 24.00;PTOT= 96.53)
02225+
02226+ # EXT1
02227+ R0150:C00003-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02228+ CALIB NASHYD 1.0 01:EXT1 3.21 .182 No_date 12:40 54.31 .563 .000
02229+ [CN= 80.0; N= 3.00; Tpe=.72]
02230+
02231+ # EXT2
02232+ R0150:C00004-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02233+ CALIB NASHYD 1.0 01:EXT2 .28 .033 No_date 12:13 61.73 .640 .000
02234+ [CN= 85.0; N= 3.00; Tpe=.33]
02235+
02236+ # EXT3
02237+ R0150:C00005-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02238+ CALIB NASHYD 1.0 01:EXT3 .86 .068 No_date 12:18 61.73 .640 .000
02239+ [CN= 85.0; N= 3.00; Tpe=.56]
02240+
02241+ # EXT4
02242+ R0150:C00006-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02243+ CALIB NASHYD 1.0 01:EXT4 .31 .033 No_date 12:11 52.94 .548 .000
02244+ [CN= 79.0; N= 3.00; Tpe=.42]
02245+
02246+ # EXT5
02247+ R0150:C00007-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02248+ CALIB NASHYD 1.0 01:EXT5 .47 .052 No_date 12:12 58.64 .608 .000
02249+ [CN= 80.0; N= 3.00; Tpe=.46]
02250+
02251+ # EXT6
02252+ R0150:C00008-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02253+ CALIB NASHYD 1.0 01:EXT6 .86 .068 No_date 12:28 61.73 .640 .000
02254+ [CN= 85.0; N= 3.00; Tpe=.56]
02255+
02256+ # EXT7
02257+ R0150:C00009-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02258+ CALIB NASHYD 1.0 01:EXT7 .47 .052 No_date 12:12 58.64 .608 .000
02259+ [CN= 80.0; N= 3.00; Tpe=.46]
02260+
02261+ # EXT8
02262+ R0150:C00010-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02263+ CALIB NASHYD 1.0 01:EXT8 .83 .060 No_date 12:19 61.42 .576 .000
02264+ [CN= 79.0; N= 3.00; Tpe=.42]
02265+
02266+ # EXT9
02267+ R0150:C00011-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02268+ CALIB NASHYD 1.0 01:EXT9 3.57 .242 No_date 12:23 49.04 .508 .000
02269+ [CN= 78.0; N= 3.00; Tpe=.45]
02270+
02271+ # EXT10
02272+ R0150:C00012-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02273+ CALIB NASHYD 1.0 01:EXT10 .20 .013 No_date 12:19 63.13 .447 .000
02274+ [CN= 71.0; N= 3.00; Tpe=.42]
02275+
02276+ # EXT11
02277+ R0150:C00013-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02278+ CALIB NASHYD 1.0 01:EXT11 .07 .009 No_date 12:06 51.60 .535 .000
02279+ [CN= 78.0; N= 3.00; Tpe=.21]
02280+
02281+ # EXT12
02282+ R0150:C00014-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02283+ CALIB NASHYD 1.0 01:EXT12 .46 .024 No_date 12:19 55.00 n/a .000
02284+ [CN= 78.0; N= 3.00; Tpe=.04]
02285+
02286+ # EXT13
02287+ R0150:C00015-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02288+ CALIB NASHYD 1.0 01:EXT13 .85 .070 No_date 12:19 55.00 n/a .000
02289+ [CN= 78.0; N= 3.00; Tpe=.04]
02290+
02291+ # EXT14
02292+ R0150:C00016-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02293+ CALIB NASHYD 1.0 01:EXT14 .85 .070 No_date 12:19 55.00 n/a .000
02294+ [CN= 78.0; N= 3.00; Tpe=.04]
02295+
02296+ # EXT15
02297+ R0150:C00017-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02298+ CALIB NASHYD 1.0 01:EXT15 .85 .070 No_date 12:19 55.00 n/a .000
02299+ [CN= 78.0; N= 3.00; Tpe=.04]
02300+
02301+ # EXT16
02302+ R0150:C00018-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02303+ CALIB NASHYD 1.0 01:EXT16 .85 .070 No_date 12:19 55.00 n/a .000
02304+ [CN= 78.0; N= 3.00; Tpe=.04]
02305+
02306+ # EXT17
02307+ R0150:C00019-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02308+ CALIB NASHYD 1.0 01:EXT17 .85 .070 No_date 12:19 55.00 n/a .000
02309+ [CN= 78.0; N= 3.00; Tpe=.04]
02310+
02311+ # EXT18
02312+ R0150:C00020-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02313+ CALIB NASHYD 1.0 01:EXT18 .85 .070 No_date 12:19 55.00 n/a .000
02314+ [CN= 78.0; N= 3.00; Tpe=.04]
02315+
02316+ # EXT19
02317+ R0150:C00021-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02318+ CALIB NASHYD 1.0 01:EXT19 .85 .070 No_date 12:19 55.00 n/a .000
02319+ [CN= 78.0; N= 3.00; Tpe=.04]
02320+
02321+ # EXT20
02322+ R0150:C00022-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02323+ CALIB NASHYD 1.0 01:EXT20 .85 .070 No_date 12:19 55.00 n/a .000
02324+ [CN= 78.0; N= 3.00; Tpe=.04]
02325+
02326+ # EXT21
02327+ R0150:C00023-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02328+ CALIB NASHYD 1.0 01:EXT21 .85 .070 No_date 12:19 55.00 n/a .000
02329+ [CN= 78.0; N= 3.00; Tpe=.04]
02330+
02331+ # EXT22
02332+ R0150:C00024-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02333+ CALIB NASHYD 1.0 01:EXT22 .85 .070 No_date 12:19 55.00 n/a .000
02334+ [CN= 78.0; N= 3.00; Tpe=.04]
02335+
02336+ # EXT23
02337+ R0150:C00025-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02338+ CALIB NASHYD 1.0 01:EXT23 .85 .070 No_date 12:19 55.00 n/a .000
02339+ [CN= 78.0; N= 3.00; Tpe=.04]
02340+
02341+ # EXT24
02342+ R0150:C00026-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02343+ CALIB NASHYD 1.0 01:EXT24 .85 .070 No_date 12:19 55.00 n/a .000
02344+ [CN= 78.0; N= 3.00; Tpe=.04]
02345+
02346+ # EXT25
02347+ R0150:C00027-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02348+ CALIB NASHYD 1.0 01:EXT25 .85 .070 No_date 12:19 55.00 n/a .000
02349+ [CN= 78.0; N= 3.00; Tpe=.04]
02350+
02351+ # EXT26
02352+ R0150:C00028-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02353+ CALIB NASHYD 1.0 01:EXT26 .85 .070 No_date 12:19 55.00 n/a .000
02354+ [CN= 78.0; N= 3.00; Tpe=.04]
02355+
02356+ # EXT27
02357+ R0150:C00029-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02358+ CALIB NASHYD 1.0 01:EXT27 .85 .070 No_date 12:19 55.00 n/a .000
02359+ [CN= 78.0; N= 3.00; Tpe=.04]
02360+
02361+ # EXT28
02362+ R0150:C00030-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02363+ CALIB NASHYD 1.0 01:EXT28 .85 .070 No_date 12:19 55.00 n/a .000
02364+ [CN= 78.0; N= 3.00; Tpe=.04]
02365+
02366+ # EXT29
02367+ R0150:C00031-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02368+ CALIB NASHYD 1.0 01:EXT29 .85 .070 No_date 12:19 55.00 n/a .000
02369+ [CN= 78.0; N= 3.00; Tpe=.04]
02370+
02371+ # EXT30
02372+ R0150:C00032-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02373+ CALIB NASHYD 1.0 01:EXT30 .85 .070 No_date 12:19 55.00 n/a .000
02374+ [CN= 78.0; N= 3.00; Tpe=.04]
02375+
02376+ # EXT31
02377+ R0150:C00033-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02378+ CALIB NASHYD 1.0 01:EXT31 .85 .070 No_date 12:19 55.00 n/a .000
02379+ [CN= 78.0; N= 3.00; Tpe=.04]
02380+
02381+ # EXT32
02382+ R0150:C00034-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02383+ CALIB NASHYD 1.0 01:EXT32 .85 .070 No_date 12:19 55.00 n/a .000
02384+ [CN= 78.0; N= 3.00; Tpe=.04]
02385+
02386+ # EXT33
02387+ R0150:C00035-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02388+ CALIB NASHYD 1.0 01:EXT33 .85 .070 No_date 12:19 55.00 n/a .000
02389+ [CN= 78.0; N= 3.00; Tpe=.04]
02390+
02391+ # EXT34
02392+ R0150:C00036-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02393+ CALIB NASHYD 1.0 01:EXT34 .85 .070 No_date 12:19 55.00 n/a .000
02394+ [CN= 78.0; N= 3.00; Tpe=.04]
02395+
02396+ # EXT35
02397+ R0150:C00037-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02398+ CALIB NASHYD 1.0 01:EXT35 .85 .070 No_date 12:19 55.00 n/a .000
02399+ [CN= 78.0; N= 3.00; Tpe=.04]
02400+
02401+ # EXT36
02402+ R0150:C00038-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02403+ CALIB NASHYD 1.0 01:EXT36 .85 .070 No_date 12:19 55.00 n/a .000
02404+ [CN= 78.0; N= 3.00; Tpe=.04]
02405+
02406+ # EXT37
02407+ R0150:C00039-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02408+ CALIB NASHYD 1.0 01:EXT37 .85 .070 No_date 12:19 55.00 n/a .000
02409+ [CN= 78.0; N= 3.00; Tpe=.04]
02410+
02411+ # EXT38
02412+ R0150:C00040-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02413+ CALIB NASHYD 1.0 01:EXT38 .85 .070 No_date 12:19 55.00 n/a .000
02414+ [CN= 78.0; N= 3.00; Tpe=.04]
02415+
02416+ # EXT39
02417+ R0150:C00041-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02418+ CALIB NASHYD 1.0 01:EXT39 .85 .070 No_date 12:19 55.00 n/a .000
02419+ [CN= 78.0; N= 3.00; Tpe=.04]
02420+
02421+ # EXT40
02422+ R0150:C00042-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02423+ CALIB NASHYD 1.0 01:EXT40 .85 .070 No_date 12:19 55.00 n/a .000
02424+ [CN= 78.0; N= 3.00; Tpe=.04]
02425+
02426+ # EXT41
02427+ R0150:C00043-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02428+ CALIB NASHYD 1.0 01:EXT41 .85 .070 No_date 12:19 55.00 n/a .000
02429+ [CN= 78.0; N= 3.00; Tpe=.04]
02430+
02431+ # EXT42
02432+ R0150:C00044-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02433+ CALIB NASHYD 1.0 01:EXT42 .85 .070 No_date 12:19 55.00 n/a .000
02434+ [CN= 78.0; N= 3.00; Tpe=.04]
02435+
02436+ # EXT43
02437+ R0150:C00045-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02438+ CALIB NASHYD 1.0 01:EXT43 .85 .070 No_date 12:19 55.00 n/a .000
02439+ [CN= 78.0; N= 3.00; Tpe=.04]
02440+
02441+ # EXT44
02442+ R0150:C00046-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02443+ CALIB NASHYD 1.0 01:EXT44 .85 .070 No_date 12:19 55.00 n/a .000
02444+ [CN= 78.0; N= 3.00; Tpe=.04]
02445+
02446+ # EXT45
02447+ R0150:C00047-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02448+ CALIB NASHYD 1.0 01:EXT45 .85 .070 No_date 12:19 55.00 n/a .000
02449+ [CN= 78.0; N= 3.00; Tpe=.04]
02450+
02451+ # EXT46
02452+ R0150:C00048-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02453+ CALIB NASHYD 1.0 01:EXT46 .85 .070 No_date 12:19 55.00 n/a .000
02454+ [CN= 78.0; N= 3.00; Tpe=.04]
02455+
02456+ # EXT47
02457+ R0150:C00049-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02458+ CALIB NASHYD 1.0 01:EXT47 .85 .070 No_date 12:19 55.00 n/a .000
02459+ [CN= 78.0; N= 3.00; Tpe=.04]
02460+
02461+ # EXT48
02462+ R0150:C00050-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02463+ CALIB NASHYD 1.0 01:EXT48 .85 .070 No_date 12:19 55.00 n/a .000
02464+ [CN= 78.0; N= 3.00; Tpe=.04]
02465+
02466+ # EXT49
02467+ R0150:C00051-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02468+ CALIB NASHYD 1.0 01:EXT49 .85 .070 No_date 12:19 55.00 n/a .000
02469+ [CN= 78.0; N= 3.00; Tpe=.04]
02470+
02471+ # EXT50
02472+ R0150:C00052-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02473+ CALIB NASHYD 1.0 01:EXT50 .85 .070 No_date 12:19 55.00 n/a .000
02474+ [CN= 78.0; N= 3.00; Tpe=.04]
02475+
02476+ # EXT51
02477+ R0150:C00053-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02478+ CALIB NASHYD 1.0 01:EXT51 .85 .070 No_date 12:19 55.00 n/a .000
02479+ [CN= 78.0; N= 3.00; Tpe=.04]
02480+
02481+ # EXT52
02482+ R0150:C00054-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02483+ CALIB NASHYD 1.0 01:EXT52 .85 .070 No_date 12:19 55.00 n/a .000
02484+ [CN= 78.0; N= 3.00; Tpe=.04]
02485+
02486+ # EXT53
02487+ R0150:C00055-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02488+ CALIB NASHYD 1.0 01:EXT53 .85 .070 No_date 12:19 55.00 n/a .000
02489+ [CN= 78.0; N= 3.00; Tpe=.04]
02490+
02491+ # EXT54
02492+ R0150:C00056-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02493+ CALIB NASHYD 1.0 01:EXT54 .85 .070 No_date 12:19 55.00 n/a .000
02494+ [CN= 78.0; N= 3.00; Tpe=.04]
02495+
02496+ # EXT55
02497+ R0150:C00057-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02498+ CALIB NASHYD 1.0 01:EXT55 .85 .070 No_date 12:19 55.00 n/a .000
02499+ [CN= 78.0; N= 3.00; Tpe=.04]
02500+
02501+ # EXT56
02502+ R0150:C00058-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02503+ CALIB NASHYD 1.0 01:EXT56 .85 .070 No_date 12:19 55.00 n/a .000
02504+ [CN= 78.0; N= 3.00; Tpe=.04]
02505+
02506+ # EXT57
02507+ R0150:C00059-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02508+ CALIB NASHYD 1.0 01:EXT57 .85 .070 No_date 12:19 55.00 n/a .000
02509+ [CN= 78.0; N= 3.00; Tpe=.04]
02510+
02511+ # EXT58
02512+ R0150:C00060-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02513+ CALIB NASHYD 1.0 01:EXT58 .85 .070 No_date 12:19 55.00 n/a .000
02514+ [CN= 78.0; N= 3.00; Tpe=.04]
02515+
02516+ # EXT59
02517+ R0150:C00061-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02518+ CALIB NASHYD 1.0 01:EXT59 .85 .070 No_date 12:19 55.00 n/a .000
02519+ [CN= 78.0; N= 3.00; Tpe=.04]
02520+
02521+ # EXT60
02522+ R0150:C00062-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02523+ CALIB NASHYD 1.0 01:EXT60 .85 .070 No_date 12:19 55.00 n/a .000
02524+ [CN= 78.0; N= 3.00; Tpe=.04]
02525+
02526+ # EXT61
02527+ R0150:C00063-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02528+ CALIB NASHYD 1.0 01:EXT61 .85 .070 No_date 12:19 55.00 n/a .000
02529+ [CN= 78.0; N= 3.00; Tpe=.04]
02530+
02531+ # EXT62
02532+ R0150:C00064-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02533+ CALIB NASHYD 1.0 01:EXT62 .85 .070 No_date 12:19 55.00 n/a .000
02534+ [CN= 78.0; N= 3.00; Tpe=.04]
02535+
02536+ # EXT63
02537+ R0150:C00065-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02538+ CALIB NASHYD 1.0 01:EXT63 .85 .070 No_date 12:19 55.00 n/a .000
02539+ [CN= 78.0; N= 3.00; Tpe=.04]
02540+
02541+ # EXT64
02542+ R0150:C00066-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02543+ CALIB NASHYD 1.0 01:EXT64 .85 .070 No_date 12:19 55.00 n/a .000
02544+ [CN= 78.0; N= 3.00; Tpe=.04]
02545+
02546+ # EXT65
02547+ R0150:C00067-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02548+ CALIB NASHYD 1.0 01:EXT65 .85 .070 No_date 12:19 55.00 n/a .000
02549+ [CN= 78.0; N= 3.00; Tpe=.04]
02550+
02551+ # EXT66
02552+ R0150:C00068-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02553+ CALIB NASHYD 1.0 01:EXT66 .85 .070 No_date 12:19 55.00 n/a .000
02554+ [CN= 78.0; N= 3.00; Tpe=.04]
02555+
02556+ # EXT67
02557+ R0150:C00069-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02558+ CALIB NASHYD 1.0 01:EXT67 .85 .070 No_date 12:19 55.00 n/a .000
02559+ [CN= 78.0; N= 3.00; Tpe=.04]
02560+
02561+ # EXT68
02562+ R0150:C00070-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02563+ CALIB NASHYD 1.0 01:EXT68 .85 .070 No_date 12:19 55.00 n/a .000
02564+ [CN= 78.0; N= 3.00; Tpe=.04]
02565+
02566+ # EXT69
02567+ R0150:C00071-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02568+ CALIB NASHYD 1.0 01:EXT69 .85 .070 No_date 12:19 55.00 n/a .000
02569+ [CN= 78.0; N= 3.00; Tpe=.04]
02570+
02571+ # EXT70
02572+ R0150:C00072-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02573+ CALIB NASHYD 1.0 01:EXT70 .85 .070 No_date 12:19 55.00 n/a .000
02574+ [CN= 78.0; N= 3.00; Tpe=.04]
02575+
02576+ # EXT71
02577+ R0150:C00073-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02578+ CALIB NASHYD 1.0 01:EXT71 .85 .070 No_date 12:19 55.00 n/a .000
02579+ [CN= 78.0; N= 3.00; Tpe=.04]
02580+
02581+ # EXT72
02582+ R0150:C00074-----Dtn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfcs
02583+ CALIB NASH
```

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Attachment B

Post-Development Hydrology

Table B1 - Site 1 - Stage/Storage/Outflow Curves

					Quality Control 1		Overflow			
					Vertical Orifice		Broad Crested Weir			
					Dia (m)	0.085	L (m)	0.300		
					Area (m ²)	0.006	C _w	1.580		
					Invert (m)	93.86				
					C _o	0.61			Invert (m)	94.40
					Q @ D	0.003	n contr.	2	Total	
Elevation (m)	Storage 1 (m ³)	Storage 2 (m ³)	Total Volume (m ³)	Demarkation Points	Depth (m)	Outflow (m ³ /s)	Depth (m)	Outflow (m ³ /s)	Outflow (m ³ /s)	Storage (ha-m)
93.86		0.0	0.0	Pond Bottom	0.000	0.000	0.000	0.000	0.000	0.000
93.87		0.0	0.0		0.010	0.000	0.000	0.000	0.000	0.000
93.88		0.1	0.1		0.020	0.001	0.000	0.000	0.001	0.000
93.89		0.3	0.3		0.030	0.001	0.000	0.000	0.001	0.000
93.90		0.5	0.5		0.040	0.001	0.000	0.000	0.001	0.000
93.91		0.8	0.8		0.050	0.002	0.000	0.000	0.002	0.000
93.92		1.2	1.2		0.060	0.002	0.000	0.000	0.002	0.000
93.93		1.7	1.7		0.070	0.003	0.000	0.000	0.003	0.000
93.94		2.2	2.2		0.080	0.003	0.000	0.000	0.003	0.000
93.95		2.7	2.7		0.090	0.003	0.000	0.000	0.003	0.000
93.96		3.3	3.3		0.100	0.004	0.000	0.000	0.004	0.000
93.97		4.0	4.0		0.110	0.004	0.000	0.000	0.004	0.000
93.98		4.8	4.8		0.120	0.004	0.000	0.000	0.004	0.000
93.99		5.6	5.6		0.130	0.005	0.000	0.000	0.005	0.001
94.00		6.5	6.5		0.140	0.005	0.000	0.000	0.005	0.001
94.01		7.4	7.4		0.150	0.005	0.000	0.000	0.005	0.001
94.02		8.4	8.4		0.160	0.005	0.000	0.000	0.005	0.001
94.03	0.0	9.5	9.5		0.170	0.005	0.000	0.000	0.005	0.001
94.04	0.0	10.6	10.7		0.180	0.006	0.000	0.000	0.006	0.001
94.05	0.2	11.8	12.0		0.190	0.006	0.000	0.000	0.006	0.001
94.06	0.4	13.1	13.5		0.200	0.006	0.000	0.000	0.006	0.001
94.07	0.8	14.5	15.2		0.210	0.006	0.000	0.000	0.006	0.002
94.08	1.2	15.9	17.1		0.220	0.006	0.000	0.000	0.006	0.002
94.09	1.8	17.4	19.2		0.230	0.007	0.000	0.000	0.007	0.002
94.10	2.5	19.0	21.5		0.240	0.007	0.000	0.000	0.007	0.002
94.11	3.2	20.7	23.9		0.250	0.007	0.000	0.000	0.007	0.002
94.12	4.1	22.4	26.5		0.260	0.007	0.000	0.000	0.007	0.003
94.13	5.1	24.2	29.3		0.270	0.007	0.000	0.000	0.007	0.003
94.14	6.2	26.1	32.2		0.280	0.007	0.000	0.000	0.007	0.003
94.15	7.4	28.0	35.3		0.290	0.008	0.000	0.000	0.008	0.004
94.16	8.7	29.9	38.6		0.300	0.008	0.000	0.000	0.008	0.004
94.17	10.1	31.9	42.0		0.310	0.008	0.000	0.000	0.008	0.004
94.18	10.7	33.8	44.5		0.320	0.008	0.000	0.000	0.008	0.004
94.19	12.3	35.9	48.2		0.330	0.008	0.000	0.000	0.008	0.005
94.20	14.1	37.9	52.0		0.340	0.008	0.000	0.000	0.008	0.005
94.21	16.0	39.9	56.0		0.350	0.009	0.000	0.000	0.009	0.006
94.22	18.1	42.0	60.1		0.360	0.009	0.000	0.000	0.009	0.006
94.23	20.2	44.1	64.3		0.370	0.009	0.000	0.000	0.009	0.006
94.24	22.4	46.3	68.7		0.380	0.009	0.000	0.000	0.009	0.007
94.25	24.6	48.4	73.0		0.390	0.009	0.000	0.000	0.009	0.007
94.26	26.9	50.6	77.5		0.400	0.009	0.000	0.000	0.009	0.008
94.27	29.1	52.9	82.0		0.410	0.009	0.000	0.000	0.009	0.008
94.28	31.4	55.1	86.6		0.420	0.009	0.000	0.000	0.009	0.009
94.29	33.8	57.4	91.2		0.430	0.010	0.000	0.000	0.010	0.009
94.30	36.1	59.7	95.9		0.440	0.010	0.000	0.000	0.010	0.010
94.31	38.5	62.1	100.6		0.450	0.010	0.000	0.000	0.010	0.010
94.32	40.9	64.5	105.4		0.460	0.010	0.000	0.000	0.010	0.011
94.33	43.4	66.9	110.2		0.470	0.010	0.000	0.000	0.010	0.011
94.34	45.9	69.3	115.2		0.480	0.010	0.000	0.000	0.010	0.012
94.35	48.4	71.8	120.1		0.490	0.010	0.000	0.000	0.010	0.012
94.36	50.9	74.3	125.2		0.500	0.010	0.000	0.000	0.010	0.013
94.37	53.4	76.9	130.3		0.510	0.010	0.000	0.000	0.010	0.013
94.38	56.0	79.4	135.5		0.520	0.011	0.000	0.000	0.011	0.014
94.39	58.6	82.1	140.7		0.530	0.011	0.000	0.000	0.011	0.014
94.40	61.3	84.7	146.0	Overflow Weir	0.540	0.011	0.000	0.000	0.011	0.015
94.41	64.0	87.4	151.4		0.550	0.011	0.010	0.000	0.011	0.015
94.42	66.7	90.2	156.8		0.560	0.011	0.020	0.001	0.012	0.016
94.43	69.4	92.9	162.3		0.570	0.011	0.030	0.002	0.014	0.016
94.44	72.1	95.7	167.9	100-Yr WSE	0.580	0.011	0.040	0.004	0.015	0.017
94.45	74.9	98.6	173.5		0.590	0.011	0.050	0.005	0.016	0.017
94.46	77.7	101.5	179.2		0.600	0.011	0.060	0.007	0.018	0.018
94.47	80.6	104.4	185.0		0.610	0.012	0.070	0.008	0.020	0.019
94.48	83.5	107.4	190.9		0.620	0.012	0.080	0.010	0.022	0.019
94.49	86.4	110.4	196.8		0.630	0.012	0.090	0.012	0.024	0.020
94.50	89.3	113.5	202.8	Top of Pond	0.640	0.012	0.100	0.014	0.026	0.020

Table B2 - Site 2 - Stage/Storage/Outflow Curves

					Quality Control 1		Emergency Overflow		Total	
					Vertical Orifice		Broad Crested Weir			
					Dia (m)	0.085	L (m)	0.300		
					Area (m ²)	0.006	C _w	1.580		
					Invert (m)	93.76		Invert (m)		
Elevation (m)	Storage 3 (m³)	Storage 4 (m³)	Total Volume (m³)	Demarkation Points	Depth (m)	Outflow (m³/s)	Depth (m)	Outflow (m³/s)	Outflow (m³/s)	Storage (ha·m)
93.76		0.0	0.0	Pond Bottom	0.000	0.000	0.000	0.000	0.000	0.000
93.77		0.1	0.1		0.010	0.000	0.000	0.000	0.000	0.000
93.78		0.2	0.2		0.020	0.001	0.000	0.000	0.001	0.000
93.79		0.4	0.4		0.030	0.001	0.000	0.000	0.001	0.000
93.80		0.6	0.6		0.040	0.001	0.000	0.000	0.001	0.000
93.81		0.9	0.9		0.050	0.002	0.000	0.000	0.002	0.000
93.82		1.3	1.3		0.060	0.002	0.000	0.000	0.002	0.000
93.83		1.8	1.8		0.070	0.003	0.000	0.000	0.003	0.000
93.84		2.4	2.4		0.080	0.003	0.000	0.000	0.003	0.000
93.85		3.0	3.0		0.090	0.003	0.000	0.000	0.003	0.000
93.86		3.7	3.7		0.100	0.004	0.000	0.000	0.004	0.000
93.87		4.5	4.5		0.110	0.004	0.000	0.000	0.004	0.000
93.88		5.2	5.2		0.120	0.004	0.000	0.000	0.004	0.001
93.89		6.0	6.0		0.130	0.005	0.000	0.000	0.005	0.001
93.90		6.8	6.8		0.140	0.005	0.000	0.000	0.005	0.001
93.91		7.6	7.6		0.150	0.005	0.000	0.000	0.005	0.001
93.92		8.4	8.4		0.160	0.005	0.000	0.000	0.005	0.001
93.93		9.3	9.3		0.170	0.005	0.000	0.000	0.005	0.001
93.94		10.1	10.1		0.180	0.006	0.000	0.000	0.006	0.001
93.95		11.0	11.0		0.190	0.006	0.000	0.000	0.006	0.001
93.96		11.9	11.9		0.200	0.006	0.000	0.000	0.006	0.001
93.97		12.8	12.8		0.210	0.006	0.000	0.000	0.006	0.001
93.98		13.7	13.7		0.220	0.006	0.000	0.000	0.006	0.001
93.99		14.6	14.6		0.230	0.007	0.000	0.000	0.007	0.001
94.00		15.6	15.6		0.240	0.007	0.000	0.000	0.007	0.002
94.01		16.6	16.6		0.250	0.007	0.000	0.000	0.007	0.002
94.02		17.6	17.6		0.260	0.007	0.000	0.000	0.007	0.002
94.03		18.6	18.6		0.270	0.007	0.000	0.000	0.007	0.002
94.04	0.0	19.7	19.7		0.280	0.007	0.000	0.000	0.007	0.002
94.05	0.1	20.8	20.9		0.290	0.008	0.000	0.000	0.008	0.002
94.06	0.4	21.8	22.2		0.300	0.008	0.000	0.000	0.008	0.002
94.07	0.8	23.0	23.7		0.310	0.008	0.000	0.000	0.008	0.002
94.08	1.3	24.1	25.4		0.320	0.008	0.000	0.000	0.008	0.003
94.09	1.8	25.3	27.1		0.330	0.008	0.000	0.000	0.008	0.003
94.10	2.5	26.5	29.0		0.340	0.008	0.000	0.000	0.008	0.003
94.11	3.3	27.7	31.0		0.350	0.009	0.000	0.000	0.009	0.003
94.12	4.1	29.0	33.1		0.360	0.009	0.000	0.000	0.009	0.003
94.13	4.5	30.2	34.8		0.370	0.009	0.000	0.000	0.009	0.003
94.14	5.6	31.5	37.2		0.380	0.009	0.000	0.000	0.009	0.004
94.15	6.8	32.9	39.7		0.390	0.009	0.000	0.000	0.009	0.004
94.16	8.1	34.2	42.3	0.400	0.009	0.000	0.000	0.009	0.004	
94.17	8.6	35.6	44.2	0.410	0.009	0.000	0.000	0.009	0.004	
94.18	10.1	37.1	47.1	0.420	0.009	0.000	0.000	0.009	0.005	
94.19	11.7	38.5	50.2	0.430	0.010	0.000	0.000	0.010	0.005	
94.20	13.4	40.0	53.5	0.440	0.010	0.000	0.000	0.010	0.005	
94.21	15.3	41.6	56.9	0.450	0.010	0.000	0.000	0.010	0.006	
94.22	17.2	43.1	60.4	0.460	0.010	0.000	0.000	0.010	0.006	
94.23	19.3	44.7	64.0	0.470	0.010	0.000	0.000	0.010	0.006	
94.24	21.4	46.4	67.8	0.480	0.010	0.000	0.000	0.010	0.007	
94.25	23.5	48.1	71.6	0.490	0.010	0.000	0.000	0.010	0.007	
94.26	25.7	49.8	75.5	0.500	0.010	0.000	0.000	0.010	0.008	
94.27	27.9	51.5	79.4	0.510	0.010	0.000	0.000	0.010	0.008	
94.28	30.1	53.3	83.4	0.520	0.011	0.000	0.000	0.011	0.008	
94.29	32.4	55.1	87.5	0.530	0.011	0.000	0.000	0.011	0.009	
94.30	34.7	57.0	91.7	0.540	0.011	0.000	0.000	0.011	0.009	
94.31	37.0	58.9	95.9	0.550	0.011	0.000	0.000	0.011	0.010	
94.32	39.3	60.9	100.2	0.560	0.011	0.000	0.000	0.011	0.010	
94.33	41.7	62.9	104.6	0.570	0.011	0.000	0.000	0.011	0.010	
94.34	44.1	65.0	109.1	0.580	0.011	0.000	0.000	0.011	0.011	
94.35	46.5	67.1	113.6	Overflow Weir	0.590	0.011	0.000	0.000	0.011	0.011
94.36	49.0	69.2	118.2	100-Yr WSE	0.600	0.011	0.010	0.000	0.012	0.012
94.37	51.5	71.4	122.9		0.610	0.012	0.020	0.001	0.013	0.012
94.38	54.0	73.7	127.7		0.620	0.012	0.030	0.002	0.014	0.013
94.39	56.5	76.0	132.5		0.630	0.012	0.040	0.004	0.015	0.013
94.40	59.1	78.4	137.5		0.640	0.012	0.050	0.005	0.017	0.014
94.41	61.7	80.8	142.5		0.650	0.012	0.060	0.007	0.019	0.014
94.42	64.4	83.3	147.7		0.660	0.012	0.070	0.008	0.020	0.015
94.43	67.0	85.9	152.9		0.670	0.012	0.080	0.010	0.022	0.015
94.44	69.7	88.5	158.2		0.680	0.012	0.090	0.012	0.024	0.016
94.45	72.4	91.2	163.6		Top of Pond	0.690	0.012	0.100	0.014	0.026



Legend

- Jock River Tributary
- Post-development Subcatchments
- EGIS AutoCAD layer
- Design for Post Subcatchments

Google Hybrid

EXT1 Subcatchment Name
3.212 ha Subcatchment Area (ha)

SCALE: 1:3000

0 50 100 150 m



5923 Ottawa St – Richmond

Figure B1: Proposed Drainage Areas

PROJECT	P2710(e01)
DRAWN	MM
DATE	04-06-2025


```

1  20    Metric units / ID numbers OFF
2  *#*****
   *****
3  *#  SWMHYMO  / INPUT DATA FILE
4  *#*****
   *****
5  *#  Project Name   : [5923 Ottawa St]
6  *#  Project Number: [P2710(e01)]
7  *#  Date           : [2025 April 28]
8  *#  Modeller       : [MM]
9  *#  Company        : JFSA Canada Inc.
10 *#  License #       : 2549237
11 *#*****
   *****
12 *# Model developed to simulate runoff from subcatchments under post development
   conditions
13 *#*****
   *****
14 *%  25 mm Storm based on 2-Year, 3-Hour Chicago Storm
15 START          TZERO=[0.0],  METOUT=[2],  NSTORM=[1],  NRUN=[002]
16                ["002YC3H.stm"] <--storm filename, one per line for NSTORM time
17 *%-----|-----
18 READ STORM      STORM_FILENAME=["STORM.001"]
19 *%-----|-----
20 *#*****
   *****
21 *%-----|-----
22 DEFAULT VALUES ICASEdef=[1],  read values only
23                DEFVAL_FILENAME=["Ottawa.val"]
24 *%-----|-----
25 *#*****
   *****
26 *#  EXT1
27 *#*****
   *****
28 CALIB NASHYD    NHYD=["EXT1"], DT[1] (min), AREA=[3.211] (ha),
29                DWF=[0] (cms), CN=[80],
30                IA=[4.67] (mm), N=[3], TP[0.72] (hrs),
31                RAINFALL[ , , -1]
32 *#*****
   *****
33 *#  EXT2
34 *#*****
   *****
35 CALIB NASHYD    NHYD=["EXT2"], DT[1] (min), AREA=[0.285] (ha),
36                DWF=[0] (cms), CN=[85],
37                IA=[4.67] (mm), N=[3], TP[0.33] (hrs),
38                RAINFALL[ , , -1]
39 *#*****
   *****
40 *#  EXT3
41 *#*****
   *****
42 CALIB NASHYD    NHYD=["EXT3"], DT[1] (min), AREA=[0.560] (ha),
43                DWF=[0] (cms), CN=[80],
44                IA=[4.67] (mm), N=[3], TP[0.32] (hrs),
45                RAINFALL[ , , -1]
46 *#*****
   *****
47 *#  EXT4
48 *#*****
   *****
49 CALIB NASHYD    NHYD=["EXT4"], DT[1] (min), AREA=[0.309] (ha),
50                DWF=[0] (cms), CN=[79],
51                IA=[4.67] (mm), N=[3], TP[0.29] (hrs),
52                RAINFALL[ , , -1]
53 *#*****
   *****
54 *#  EXT5

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55  *#*****
56  CALIB NASHYD      NHYD=["EXT5"], DT[1] (min), AREA=[0.594] (ha),
57                    DWF=[0] (cms), CN=[76],
58                    IA=[4.67] (mm), N=[3], TP[0.45] (hrs),
59                    RAINFALL[ , , -1]
60  *#*****
61  *# EXT6
62  *#*****
63  CALIB NASHYD      NHYD=["EXT6"], DT[1] (min), AREA=[0.864] (ha),
64                    DWF=[0] (cms), CN=[85],
65                    IA=[4.67] (mm), N=[3], TP[0.56] (hrs),
66                    RAINFALL[ , , -1]
67  *#*****
68  *# EXT7
69  *#*****
70  CALIB NASHYD      NHYD=["EXT7"], DT[1] (min), AREA=[0.471] (ha),
71                    DWF=[0] (cms), CN=[83],
72                    IA=[4.67] (mm), N=[3], TP[0.32] (hrs),
73                    RAINFALL[ , , -1]
74  *#*****
75  *# EXT8
76  *#*****
77  CALIB NASHYD      NHYD=["EXT8"], DT[1] (min), AREA=[0.834] (ha),
78                    DWF=[0] (cms), CN=[79],
79                    IA=[4.67] (mm), N=[3], TP[0.42] (hrs),
80                    RAINFALL[ , , -1]
81  *#*****
82  *# EXT9
83  *#*****
84  CALIB NASHYD      NHYD=["EXT9"], DT[1] (min), AREA=[3.571] (ha),
85                    DWF=[0] (cms), CN=[76],
86                    IA=[4.67] (mm), N=[3], TP[0.48] (hrs),
87                    RAINFALL[ , , -1]
88  *#*****
89  *# EXT9a
90  *#*****
91  CALIB NASHYD      NHYD=["EXT9a"], DT[1] (min), AREA=[0.011] (ha),
92                    DWF=[0] (cms), CN=[78],
93                    IA=[4.67] (mm), N=[3], TP[0.04] (hrs),
94                    RAINFALL[ , , -1]
95  *#*****
96  *# EXT10
97  *#*****
98  CALIB NASHYD      NHYD=["EXT10"], DT[1] (min), AREA=[0.203] (ha),
99                    DWF=[0] (cms), CN=[71],
100                   IA=[4.67] (mm), N=[3], TP[0.42] (hrs),
101                   RAINFALL[ , , -1]
102  *#*****
103  *# Pre2_1
104  *#*****
105  CALIB NASHYD      NHYD=["Pre2_1"], DT[1] (min), AREA=[0.013] (ha),
106                    DWF=[0] (cms), CN=[72],
107                    IA=[4.67] (mm), N=[3], TP[0.03] (hrs),
108                    RAINFALL[ , , -1]

```

```

109  *#*****
110  *# Pre2_2
111  *#*****
112  CALIB NASHYD      NHYD=["Pre2_2"], DT[1] (min), AREA=[0.002] (ha),
113                   DWF=[0] (cms), CN=[78],
114                   IA=[4.67] (mm), N=[3], TP[0.02] (hrs),
115                   RAINFALL[ , , -1]
116  *#*****
117  *# Pre9_1
118  *#*****
119  CALIB NASHYD      NHYD=["Pre9_1"], DT[1] (min), AREA=[0.437] (ha),
120                   DWF=[0] (cms), CN=[71],
121                   IA=[4.67] (mm), N=[3], TP[0.38] (hrs),
122                   RAINFALL[ , , -1]
123  *#*****
124  *# Pre9_2
125  *#*****
126  CALIB NASHYD      NHYD=["Pre9_2"], DT[1] (min), AREA=[0.014] (ha),
127                   DWF=[0] (cms), CN=[59],
128                   IA=[4.67] (mm), N=[3], TP[0.03] (hrs),
129                   RAINFALL[ , , -1]
130  *#*****
131  *# Pre10_1
132  *#*****
133  CALIB NASHYD      NHYD=["Pre10_1"], DT[1] (min), AREA=[0.799] (ha),
134                   DWF=[0] (cms), CN=[71],
135                   IA=[4.67] (mm), N=[3], TP[0.29] (hrs),
136                   RAINFALL[ , , -1]
137  *#*****
138  *# Pre11_1
139  *#*****
140  CALIB NASHYD      NHYD=["Pre11_1"], DT[1] (min), AREA=[0.067] (ha),
141                   DWF=[0] (cms), CN=[78],
142                   IA=[4.67] (mm), N=[3], TP[0.21] (hrs),
143                   RAINFALL[ , , -1]
144  *#*****
145  *# Site 1
146  *#*****
147  DESIGN STANDHYD   NHYD=["S1-B1"], DT=[1] (min), AREA=[0.42] (ha),
148                   XIMP=[0.47], TIMP=[0.57], DWF=[0] (cms),
149                   LOSS=[1], SLOPE=[1.0] (%), RAINFALL=[ , , -1] (mm/hr)
150  *# Site 1 - Roof
151  *#*****
152  DESIGN STANDHYD   NHYD=["S1-Roof"], DT=[1] (min), AREA=[0.07] (ha),
153                   XIMP=[0.99], TIMP=[0.99], DWF=[0] (cms),
154                   LOSS=[1], SLOPE=[0.5] (%), RAINFALL=[ , , -1] (mm/hr)
155  *%-----|-----
156  * Rooftop Storage-Outflow Curve for B3 Facility - From EGIS Report
157  ROUTE RESERVOIR   NHYDout=["S1-Roof-Out"], NHYDin=["S1-Roof"], RDT=[1] (min),
158                   TABLE of ( OUTFLOW-STORAGE ) values
159                   (cms) - (ha-m)
160                   [ 0 , 0 ]
161                   [ 0.0008 , 0.0007 ]
162                   [ 0.001 , 0.001 ]
163                   [ 0.0015 , 0.0015 ]

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164         [ 0.0018 , 0.0017 ]
165         [ 0.0023 , 0.0022 ]
166         [ 0.0025 , 0.0024 ]
167         [ 0.0028 , 0.0027 ]
168         [ 0.003 , 0.0029 ]
169         [ 0.0033 , 0.0032 ]
170         [ 0.0038 , 0.0037 ]
171         [ 0.004 , 0.0039 ]
172         [ 0.0045 , 0.0044 ]
173         [ 0.0048 , 0.0046 ]
174         [ 0.0051 , 0.0049 ]
175         [ 0.0056 , 0.0054 ]
176         [ 0.0063 , 0.0061 ]
177         [ 0.0066 , 0.0064 ]
178         [ 0.0076 , 0.0073 ]
179         [ -1 , -1 ]
180         NHYDovf=["S1-Roof-Over"],
181     *%-----|-----
182     ----|-----|
183     ADD HYD          NHYDsum=["SITE1-IN"], NHYDs to add=["S1-B1"+"S1-Roof-Out"+
184     "S1-Roof-Over"]
185     *%-----|-----
186     ----|-----|
187     * Pond for Site 1: Stage-Storage-Outflow
188     ROUTE RESERVOIR    NHYDout=["SITE1-Out"], NHYDin=["SITE1-IN"], RDT=[1] (min),
189                       TABLE of ( OUTFLOW-STORAGE ) values
190                           (cms) - (ha-m)
191                           [ 0 , 0 ]
192                           [ 0.00074 , 0.00001 ]
193                           [ 0.00149 , 0.00005 ]
194                           [ 0.00297 , 0.00022 ]
195                           [ 0.00368 , 0.00033 ]
196                           [ 0.00479 , 0.00065 ]
197                           [ 0.00526 , 0.00084 ]
198                           [ 0.00646 , 0.00171 ]
199                           [ 0.00747 , 0.00322 ]
200                           [ 0.00808 , 0.00445 ]
201                           [ 0.00891 , 0.00687 ]
202                           [ 0.00917 , 0.00775 ]
203                           [ 0.00967 , 0.00959 ]
204                           [ 0.00991 , 0.01054 ]
205                           [ 0.01037 , 0.01252 ]
206                           [ 0.01059 , 0.01355 ]
207                           [ 0.01235 , 0.01568 ]
208                           [ 0.01493 , 0.01679 ]
209                           [ 0.0218 , 0.01909 ]
210                           [ 0.02584 , 0.02028 ]
211                           [ -1 , -1 ]
212         NHYDovf=["SITE1-Over"],
213     *%-----|-----
214     ----|-----|
215     *#*****
216     *# Site 2
217     *#*****
218     DESIGN STANDHYD    NHYD=["S2-B3"], DT=[1] (min), AREA=[0.35] (ha),
219                       XIMP=[0.46], TIMP=[0.56], DWF=[0] (cms),
220                       LOSS=[1], SLOPE=[1.0] (%), RAINFALL=[ , , -1] (mm/hr)
221     *#*****
222     *# Site 2 - Roof
223     *#*****
224     DESIGN STANDHYD    NHYD=["S2-Roof"], DT=[1] (min), AREA=[0.09] (ha),
225                       XIMP=[0.99], TIMP=[0.99], DWF=[0] (cms),
226                       LOSS=[1], SLOPE=[0.5] (%), RAINFALL=[ , , -1] (mm/hr)
227     *#*****

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*****
225 * Rooftop Storage-Outflow Curve for site 2 Facility - From EGIS Report
226 ROUTE RESERVOIR      NHYDout=["S2-Roof-Out"], NHYDin=["S2-Roof"], RDT=[1] (min),
227                      TABLE of ( OUTFLOW-STORAGE ) values
228                      (cms) - (ha-m)
229                      [ 0 , 0 ]
230                      [ 0.0007 , 0 ]
231                      [ 0.0015 , 0.0001 ]
232                      [ 0.003 , 0.0002 ]
233                      [ 0.0037 , 0.0004 ]
234                      [ 0.0048 , 0.0007 ]
235                      [ 0.0053 , 0.0008 ]
236                      [ 0.0065 , 0.0014 ]
237                      [ 0.0072 , 0.0018 ]
238                      [ 0.0081 , 0.0025 ]
239                      [ 0.0084 , 0.0029 ]
240                      [ 0.0092 , 0.0042 ]
241                      [ 0.0099 , 0.006 ]
242                      [ 0.0104 , 0.0075 ]
243                      [ 0.0106 , 0.0083 ]
244                      [ 0.0112 , 0.0109 ]
245                      [ 0.0143 , 0.0128 ]
246                      [ 0.0174 , 0.0138 ]
247                      [ 0.0253 , 0.0158 ]
248                      [ 0.0276 , 0.0164 ]
249                      [ -1 , -1 ]
250                      NHYDovf=["S2-Roof-Over"],
251 *%-----|-----
252 ADD HYD      NHYDsum=["SITE2-IN"], NHYDs to add=["S2-B3"+"S2-Roof-Out"+
253 "S2-Roof-Over"]
254 *%-----|-----
255 * Pond for Site 2: Stage-Storage-Outflow
256 ROUTE RESERVOIR      NHYDout=["SITE2-Out"], NHYDin=["SITE2-IN"], RDT=[1] (min),
257                      TABLE of ( OUTFLOW-STORAGE )
258                      (cms) - (ha-m)
259                      [ 0 , 0 ]
260                      [ 0.0007 , 0 ]
261                      [ 0.0015 , 0.0001 ]
262                      [ 0.003 , 0.0002 ]
263                      [ 0.0037 , 0.0004 ]
264                      [ 0.0048 , 0.0007 ]
265                      [ 0.0053 , 0.0008 ]
266                      [ 0.0065 , 0.0014 ]
267                      [ 0.0072 , 0.0018 ]
268                      [ 0.0081 , 0.0025 ]
269                      [ 0.0084 , 0.0029 ]
270                      [ 0.0092 , 0.0042 ]
271                      [ 0.0099 , 0.006 ]
272                      [ 0.0104 , 0.0075 ]
273                      [ 0.0106 , 0.0083 ]
274                      [ 0.0112 , 0.0109 ]
275                      [ 0.0141 , 0.0128 ]
276                      [ 0.017 , 0.0138 ]
277                      [ 0.0243 , 0.0158 ]
278                      [ 0.0263 , 0.0164 ]
279                      [ -1 , -1 ]
280                      NHYDovf=["SITE2-Over"],
281 *%-----|-----
282 ADD HYD      NHYDsum=["Site1"], NHYDs to add=["SITE1-Out"+"SITE1-Over"]
283 *%-----|-----
284 ADD HYD      NHYDsum=["Site2"], NHYDs to add=["SITE2-Out"+"SITE2-Over"]
285 *%-----|-----
286 ADD HYD      NHYDsum=["J1"], NHYDs to add=["EXT2"+"Pre2_1"+"Site1"+"Site2"]
287 *%-----|-----
288 * NOTE: Cross-section number 849.0434 is taken from HEC-RAS Model
289 * NOTE: SEGROUGH will be adjusted after completing the HEC-RAS model
290 ROUTE CHANNEL      NHYDout=["R1"], NHYDin=["J1"], RDT=[1] (min),
291                      CHLGTH=[143.151] (m), CHSLOPE=[0.394] (%), FPSLOPE=[0.394] (%),
292                      SECNUM=[849.0434], NSEG=[3],

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292      ( SEGROUGH, SEGDIST (m))=[0.08,18.95 -0.035,26.78 0.08,35.18] NSEG
times
293      ( DISTANCE (m), ELEVATION (m))=[0.48, 94.05]
294      [3.19, 93.99]
295      [6.85, 93.91]
296      [10.48, 93.87]
297      [17.45, 93.85]
298      [18.95, 93.84]
299      [20.36, 93.81]
300      [22.3, 93.76]
301      [22.53, 93.72]
302      [23.98, 93.35]
303      [24.35, 93.33]
304      [24.65, 93.37]
305      [25.04, 93.45]
306      [26.04, 93.74]
307      [26.44, 93.82]
308      [26.78, 93.87]
309      [29.14, 94.11]
310      [33.98, 94.26]
311      [35.18, 94.26]
312  *%-----|-----
313  ADD HYD      NHYDsum=["J2"], NHYDs to add=["R1"+"EXT3"+"EXT1"]
314  *%-----|-----
315  * NOTE: Cross-section number 737.5813 is taken from HEC-RAS Model
316  * NOTE: SEGROUGH will be adjusted after completing the HEC-RAS model
317  ROUTE CHANNEL      NHYDout=["R2"], NHYDin=["J2"], RDT=[1] (min),
318      CHLGTH=[73.338] (m), CHSLOPE=[0.425] (%), FPSLOPE=[0.425] (%),
319      SECNUM=[737.5813], NSEG=[3],
320      ( SEGROUGH, SEGDIST (m))=[0.08,8.4 -0.035,16.42 0.08,22.6] NSEG
times
321      ( DISTANCE (m), ELEVATION (m))=[0, 93.52]
322      [1.08, 93.5]
323      [4.37, 93.48]
324      [6.31, 93.45]
325      [8.4, 93.38]
326      [9.5, 93.31]
327      [10.49, 93.23]
328      [10.99, 93.18]
329      [12.4, 92.94]
330      [13.11, 92.84]
331      [13.67, 92.92]
332      [16.42, 93.6]
333      [16.91, 93.65]
334      [17.97, 93.65]
335      [19, 93.83]
336      [19.51, 93.89]
337      [21.06, 93.94]
338      [22.6, 93.95]
339  *%-----|-----
340  ADD HYD      NHYDsum=["J3"], NHYDs to add=["R2"+"EXT4"]
341  *%-----|-----
342  * NOTE: Cross-section number 675.4097 is taken from HEC-RAS Model
343  * NOTE: SEGROUGH will be adjusted after completing the HEC-RAS model
344  ROUTE CHANNEL      NHYDout=["R3"], NHYDin=["J3"], RDT=[1] (min),
345      CHLGTH=[92.08] (m), CHSLOPE=[0.274] (%), FPSLOPE=[0.274] (%),
346      SECNUM=[675.4097], NSEG=[3],
347      ( SEGROUGH, SEGDIST (m))=[0.08,31.64 -0.035,42.44 0.08,48.87] NSEG
times
348      ( DISTANCE (m), ELEVATION (m))=[30.59, 93.12]
349      [31.64, 93.13]
350      [34.35, 93.08]
351      [35.18, 93.03]
352      [37.78, 92.72]
353      [38.25, 92.64]
354      [38.7, 92.61]
355      [39.74, 92.76]
356      [42.44, 93.41]
357      [42.89, 93.49]

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358                                     [43.97, 93.57]
359                                     [44.92, 93.6]
360                                     [46.07, 93.67]
361                                     [48.87, 93.74]
362 *%-----|-----
363 ADD HYD          NHYDsum=["J4"], NHYDs to add=["R3"+"EXT5"]
364 *%-----|-----
365 * NOTE: Cross-section number 518.7506 is taken from HEC-RAS Model
366 * NOTE: SEGROUGH will be adjusted after completing the HEC-RAS model
367 ROUTE CHANNEL    NHYDout=["R4"], NHYDin=["J4"], RDT=[1] (min),
368                  CHLGTH=[251.495] (m), CHSLOPE=[0.19] (%), FPSLOPE=[0.19] (%),
369                  SECNUM=[518.7506], NSEG=[3],
370                  ( SEGROUGH, SEGDIST (m))=[0.08,51.48 -0.035,59.39 0.08,66.4] NSEG
371                  times
372                  ( DISTANCE (m), ELEVATION (m))=[0, 92.92]
373                                     [4.26, 92.9]
374                                     [48.31, 92.76]
375                                     [51.48, 92.76]
376                                     [53.64, 92.7]
377                                     [55.33, 92.29]
378                                     [55.44, 92.29]
379                                     [56.43, 92.37]
380                                     [56.97, 92.43]
381                                     [59.39, 93.27]
382                                     [59.74, 93.37]
383                                     [60.8, 93.52]
384                                     [63.31, 93.71]
385                                     [66.4, 93.76]
386 *%-----|-----
387 ADD HYD          NHYDsum=["J5"], NHYDs to add=["R4"+"EXT6"+"EXT7"]
388 *%-----|-----
389 * NOTE: Cross-section number 275.0857 is taken from HEC-RAS Model
390 * NOTE: SEGROUGH will be adjusted after completing the HEC-RAS model
391 ROUTE CHANNEL    NHYDout=["R5"], NHYDin=["J5"], RDT=[1] (min),
392                  CHLGTH=[237.343] (m), CHSLOPE=[0.644] (%), FPSLOPE=[0.644] (%),
393                  SECNUM=[275.0857], NSEG=[3],
394                  ( SEGROUGH, SEGDIST (m))=[0.08,40.82 -0.035,53.64 0.08,57.93] NSEG
395                  times
396                  ( DISTANCE (m), ELEVATION (m))=[36.16, 92.63]
397                                     [40.82, 92.97]
398                                     [41.39, 92.9]
399                                     [44.69, 91.72]
400                                     [45.24, 91.58]
401                                     [46.33, 91.43]
402                                     [47.41, 91.64]
403                                     [47.87, 91.75]
404                                     [49.59, 92.2]
405                                     [50.99, 92.36]
406                                     [51.44, 92.48]
407                                     [53.18, 92.98]
408                                     [53.64, 93.15]
409                                     [55.92, 93.66]
410                                     [57.93, 93.68]
411 *%-----|-----
412 ADD HYD          NHYDsum=["Pre"], NHYDs to add=["Pre10_1"+"Pre9_2"+"Pre2_2"]
413 *%-----|-----
414 * NOTE: Cross-section number 124 is taken from HEC-RAS Model
415 * NOTE: SEGROUGH will be adjusted after completing the HEC-RAS model
416 ROUTE CHANNEL    NHYDout=["R6"], NHYDin=["Pre"], RDT=[1] (min),
417                  CHLGTH=[77.414] (m), CHSLOPE=[0.776] (%), FPSLOPE=[0.776] (%),
418                  SECNUM=[124], NSEG=[3],
419                  ( SEGROUGH, SEGDIST (m))=[0.08,8.34 -0.035,31.31 0.08,84.97] NSEG
420                  times
421                  ( DISTANCE (m), ELEVATION (m))=[1.78, 93.73]
422                                     [4.51, 93.54]
423                                     [5.06, 93.31]
424                                     [7.25, 92.98]
425                                     [7.79, 92.77]
426                                     [8.34, 92.49]

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424                                     [9.43, 91.93]
425                                     [9.68, 91.81]
426                                     [10.53, 91.27]
427                                     [12.64, 90.92]
428                                     [14.44, 90.9]
429                                     [16.54, 91.06]
430                                     [17.64, 91.06]
431                                     [30.22, 92.3]
432                                     [31.31, 92.45]
433                                     [33.5, 92.41]
434                                     [55.37, 93.11]
435                                     [57.01, 93.2]
436                                     [84.97, 93.43]
437 *%-----|-----
438 * NOTE: Cross-section number 74 is taken from HEC-RAS Model
439 * NOTE: SEGROUGH will be adjusted after completing the HEC-RAS model
440 ROUTE CHANNEL      NHYDout=["R7"], NHYDin=["Pre9_1"], RDT=[1] (min),
441                   CHLGTH=[159.151] (m), CHSLOPE=[1.576] (%), FPSLOPE=[1.576] (%),
442                   SECNUM=[74], NSEG=[3],
443                   ( SEGROUGH, SEGDIST (m))=[0.08,4.67 -0.035,81.24 0.08,82.88] NSEG
444                   times
445                   ( DISTANCE (m), ELEVATION (m))=[1.94, 93.64]
446                                     [4.67, 93.32]
447                                     [5.77, 93.15]
448                                     [7.41, 92.69]
449                                     [7.95, 92.37]
450                                     [9.36, 91.71]
451                                     [10.12, 91.22]
452                                     [10.49, 91.06]
453                                     [12.64, 90.89]
454                                     [16.16, 90.92]
455                                     [18.83, 91.66]
456                                     [19.59, 92.02]
457                                     [21.62, 92.39]
458                                     [24.87, 92.48]
459                                     [30.37, 92.55]
460                                     [34.37, 92.65]
461                                     [77.41, 92.82]
462                                     [80.6, 93.25]
463                                     [81.24, 93.48]
464                                     [82.88, 93.79]
465 *%-----|-----
466 ADD HYD            NHYDsum=["J6"], NHYDs to add=["R6"+"EXT10"]
467 *%-----|-----
468 * NOTE: Cross-section number 49 is taken from HEC-RAS Model
469 * NOTE: SEGROUGH will be adjusted after completing the HEC-RAS model
470 ROUTE CHANNEL      NHYDout=["R8"], NHYDin=["J6"], RDT=[1] (min),
471                   CHLGTH=[78.801] (m), CHSLOPE=[0.522] (%), FPSLOPE=[0.522] (%),
472                   SECNUM=[49], NSEG=[3],
473                   ( SEGROUGH, SEGDIST (m))=[0.08,8.71 -0.035,20.59 0.08,116.73] NSEG
474                   times
475                   ( DISTANCE (m), ELEVATION (m))=[0, 93.36]
476                                     [1.93, 93.63]
477                                     [4.61, 93.26]
478                                     [6.23, 93.1]
479                                     [8.19, 92.26]
480                                     [8.71, 91.84]
481                                     [9.86, 91.47]
482                                     [10.53, 91.04]
483                                     [13.84, 91]
484                                     [14.5, 91.11]
485                                     [16.97, 91.27]
486                                     [20.59, 91.76]
487                                     [23.3, 91.64]
488                                     [30.34, 91.85]
489                                     [35.29, 91.92]
490                                     [116.73, 92.96]
491 *%-----|-----
492 ADD HYD            NHYDsum=["J7"], NHYDs to add=["R8"+"R7"]

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491 *%-----|-----
492 * NOTE: Cross-section number 7 is taken from HEC-RAS Model
493 * NOTE: SEGROUGH will be adjusted after completing the HEC-RAS model
494 ROUTE CHANNEL      NHYDout=["R9"], NHYDin=["J7"], RDT=[1] (min),
495                   CHLGTH=[29.445] (m), CHSLOPE=[0.887] (%), FPSLOPE=[0.887] (%),
496                   SECNUM=[7], NSEG=[3],
497                   ( SEGROUGH, SEGDIST (m))=[0.08,1.5 -0.035,22.44 0.08,100.08] NSEG
498                   times
499                   ( DISTANCE (m), ELEVATION (m))=[0, 93.4]
500                   [1.5, 93.63]
501                   [3.13, 93.62]
502                   [4.76, 93.28]
503                   [5.3, 93.25]
504                   [6.52, 93.08]
505                   [6.96, 92.95]
506                   [10.57, 90.95]
507                   [13.59, 90.67]
508                   [15.83, 90.72]
509                   [16.42, 90.85]
510                   [18.66, 91.76]
511                   [20.82, 91.86]
512                   [22.44, 91.92]
513                   [27.84, 91.98]
514                   [30.15, 91.96]
515                   [100.08, 92.61]
516 *%-----|-----
517 ADD HYD            NHYDsum=["J8"], NHYDs to add=["EXT9"+"R9"+"EXT8"+"R5"]
518 *%-----|-----
519 * Note: The pipe needs to be adjusted based on the Culvert-under-railway information
520 ROUTE PIPE        PTYPE=[1]circ, NHYDout=["Outlet"], RNUMBER=[1.0],
521                   PDIAM=[525] (mm), PLNGTH=[8.407] (m), PROUGH=[0.013],
522                   PSLOPE=[0.0001] (m/m),
523                   NHYDin=["J8"], RDT=[1] (min)
524 *%-----|-----
525 *#####
526 *# STORMS
527 *#####
528 *% 2-Year, 3-Hour Chicago Storm
529 *START            TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[002]
530 *                  ["002YC3H.stm"] <--storm filename, one per line for NSTORM time
531 *%-----|-----
532 *% 5-Year, 3-Hour Chicago Storm
533 *START            TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[005]
534 *                  ["005YC3H.stm"] <--storm filename, one per line for NSTORM time
535 *%-----|-----
536 *% 10-Year, 3-Hour Chicago Storm
537 *START            TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[010]
538 *                  ["010YC3H.stm"] <--storm filename, one per line for NSTORM time
539 *%-----|-----
540 *% 25-Year, 3-Hour Chicago Storm
541 *START            TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[025]
542 *                  ["025YC3H.stm"] <--storm filename, one per line for NSTORM time
543 *%-----|-----
544 *% 50-Year, 3-Hour Chicago Storm
545 *START            TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[050]
546 *                  ["050YC3H.stm"] <--storm filename, one per line for NSTORM time
547 *%-----|-----
548 *% 100-Year, 3-Hour Chicago Storm
549 *START            TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[099]
550 *                  ["100YC3H.stm"] <--storm filename, one per line for NSTORM time
551 *%-----|-----
552 *% 2-Year, 24-Hour SCS Storm
553 *START            TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[102]
554 *                  ["SC24002x.stm"] <--storm filename, one per line for NSTORM time
555 *%-----|-----
556 *% 5-Year, 24-Hour SCS Storm
557 *START            TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[105]
558 *                  ["SC24005x.stm"] <--storm filename, one per line for NSTORM time
559 *%-----|-----

```



```

558  *% 10-Year, 24-Hour SCS Storm
559  START          TZERO=[0.0],  METOUT=[2],  NSTORM=[1],  NRUN=[110]
560                ["SC24010x.stm"] <--storm filename, one per line for NSTORM time
561  *%-----|-----
562  *% 25-Year, 24-Hour SCS Storm
563  START          TZERO=[0.0],  METOUT=[2],  NSTORM=[1],  NRUN=[125]
564                ["SC24025x.stm"] <--storm filename, one per line for NSTORM time
565  *%-----|-----
566  *% 50-Year, 24-Hour SCS Storm
567  START          TZERO=[0.0],  METOUT=[2],  NSTORM=[1],  NRUN=[150]
568                ["SC24050x.stm"] <--storm filename, one per line for NSTORM time
569  *%-----|-----
570  *% 100-Year, 24-Hour SCS Storm
571  START          TZERO=[0.0],  METOUT=[2],  NSTORM=[1],  NRUN=[199]
572                ["SC24100x.stm"] <--storm filename, one per line for NSTORM time
573  *%-----|-----
574  *% 100-Year, 24-Hour SCS Storm + 20%
575  *START          TZERO=[0.0],  METOUT=[2],  NSTORM=[1],  NRUN=[998]
576  *%              ["SC24100x+.stm"] <--storm filename, one per line for NSTORM time
577  *%-----|-----
578  *% 100-Year, 3-Hour Chicago Storm + 20%
579  *START          TZERO=[0.0],  METOUT=[2],  NSTORM=[1],  NRUN=[999]
580  *              ["100YRCHI3HR+.stm"] <--storm filename, one per line for NSTORM time
581  *%-----|-----
582  FINISH

```

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```
00361# ADD HYD + 1.0 02:188 1.02 .015 No_date 4:41 5.83 n/a .000
00362# SUM= 3.57 .045 No_date 1:37 6.88 n/a .000
00363# 1.0 01:077 1.46 .018 No_date 1:31 5.84 n/a .000
00364# R0002.C00048 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00365# ROUTE CHANNEL -> 1.0 02:127 1.46 .018 No_date 1:31 5.84 n/a .000
00366# [RD7=1.00] out<= 1.0 01:189 1.46 .018 No_date 1:32 5.84 n/a .000
00367# [L/S/n= 29./, .887/.035]
00368# (Vmax=.543;Dmax=.012)
00369# R0002.C00050 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00370# ADD HYD + 1.0 02:189 1.46 .018 No_date 1:32 5.89 n/a .000
00371# SUM= 3.57 .045 No_date 1:37 6.88 n/a .000
00372# 1.0 01:077 1.46 .018 No_date 1:31 5.84 n/a .000
00373# 1.0 02:185 7.24 .089 No_date 2:04 9.89 n/a .000
00374# SUM= 1.0 01:128 13.10 .151 No_date 1:52 8.49 n/a .000
00375# R0002.C00051 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00376# ROUTE PIPE -> 1.0 02:128 13.10 .151 No_date 1:52 8.49 n/a .000
00377# [RD7=1.00] out<= 1.0 01:128 13.10 .151 No_date 1:52 8.49 n/a .000
00378# [L/S/n= 8./, .010/.013]
00379# (Vmax=.310;Dmax=.691)
00380# [DtnIn=.53;Dmax=.94]
00381# *****
00382# # STORMS
00383# *****
00384# ** END OF RUN : 4
00385#
00386#
00387#
00388#
00389#
00390#
00391#
00392# RUN:COMMAND#
00393# R0005.C00001
00394# START
00395# [TZERO = .00 hrs on 0]
00396# [METOUT= 2 (i=imperial, 2=metric output)]
00397# [NTHORN= 1]
00398# [NRUN = 0005]
00399#
00400# # SWEHYD / INPUT DATA FILE
00401# #
00402# # Project Name : [5923 201707 42.51]
00403# # Project Number: [P2701(e01)]
00404# # Date : [2025 April 28]
00405# # Modifier : [DM]
00406# # Company : JFSA Canada Inc.
00407# # License # : 2549227
00408# #
00409# # Model developed to simulate runoff from subcatchments under pre development conditions
00410# # THE FOLLOWING PARAMETERS ARE USED IN THE DESIGN STANDARD CCM
00411# R0005.C00002
00412# HEAD STORM
00413# Filename = STORM.001
00414# Comment = CHICAGO STORM 5 Year, 3 Hours
00415# [EPIFALL= STORM 3.001707 42.51]
00416# *****
00417# R0005.C00003
00418# DEFAULT VALUES
00419# Filename = C:\Temp\20250428-PostDev\Ottawa.val
00420# [CHSEV = 1 (read and print data)]
00421# FileTitle= File comment : [Parameters for City of Ottawa Projects]
00422#
00423# Horton's infiltration equation parameters:
00424# [Por=.72;mm/hr] [Por13.20 mm/hr] [DCAVE 4.14 /hr] [r=.00 mm]
00425# Parameters for PERVIOUS surfaces in STANDARD:
00426# [Iamp= 4.67 mm] [L2P=40.00 mm] [DWP=.250]
00427# Paramaters for IMPVIOUS out in STANDARD:
00428# [Iamp= 1.57 mm] [CZ1=1.50] [DWP=.013]
00429# Parameters used in NASHD01:
00430# [L/S= 4.67 mm] [N= 3.00]
00431# Average monthly Pan Evaporation data in (mm)
00432# JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
00433# .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
00434# Average monthly Potential Evapotranspiration in (mm)
00435# JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
00436# .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
00437# *****
00438# # EXT1
00439# R0005.C00004 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00440# CALIB NASHD 1.0 01:EXT1 3.21 .066 No_date 1:55 14.13 .332 .000
00441# [CN= 76.0; N= 3.00; Tpe=.42]
00442# # EXT2
00443# R0005.C00005 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00444# CALIB NASHD 1.0 01:EXT2 .28 .012 No_date 1:23 17.32 .407 .000
00445# [CN= 85.0; N= 3.00; Tpe=.33]
00446# # EXT3
00447# R0005.C00006 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00448# CALIB NASHD 1.0 01:EXT3 .56 .020 No_date 1:23 14.13 .332 .000
00449# [CN= 80.0; N= 3.00; Tpe=.32]
00450# # EXT4
00451# R0005.C00007 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00452# CALIB NASHD 1.0 01:EXT4 .31 .011 No_date 1:21 13.59 .320 .000
00453# [CN= 76.0; N= 3.00; Tpe=.48]
00454# # EXT5
00455# R0005.C00008 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00456# CALIB NASHD 1.0 01:EXT5 .01 .001 No_date 1:00 10.48 .246 .000
00457# [CN= 76.0; N= 3.00; Tpe=.45]
00458# # EXT6
00459# R0005.C00009 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00460# CALIB NASHD 1.0 01:EXT6 .86 .026 No_date 1:42 17.32 .407 .000
00461# [CN= 76.0; N= 3.00; Tpe=.42]
00462# # EXT7
00463# R0005.C00010 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00464# CALIB NASHD 1.0 01:EXT7 .47 .019 No_date 1:23 15.94 .375 .000
00465# [CN= 83.0; N= 3.00; Tpe=.32]
00466# # EXT8
00467# R0005.C00011 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00468# CALIB NASHD 1.0 01:EXT8 .83 .024 No_date 1:31 13.59 .320 .000
00469# [CN= 79.0; N= 3.00; Tpe=.42]
00470# # EXT9
00471# R0005.C00012 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00472# CALIB NASHD 1.0 01:EXT9 3.57 .083 No_date 1:36 12.13 .285 .000
00473# [CN= 76.0; N= 3.00; Tpe=.48]
00474# # EXT10
00475# R0005.C00013 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00476# CALIB NASHD 1.0 01:EXT10 .20 .004 No_date 1:32 10.11 .238 .000
00477# [CN= 71.0; N= 3.00; Tpe=.42]
00478# # EXT11
00479# R0005.C00014 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00480# CALIB NASHD 1.0 01:EXT11 .80 .021 No_date 1:21 10.11 .238 .000
00481# [CN= 71.0; N= 3.00; Tpe=.42]
00482# # EXT12
00483# R0005.C00015 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00484# CALIB NASHD 1.0 01:EXT12 .00 .000 No_date 1:00 13.06 .307 .000
00485# [CN= 76.0; N= 3.00; Tpe=.02]
00486# # EXT13
00487# R0005.C00016 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00488# CALIB NASHD 1.0 01:EXT13 .01 .001 No_date 1:00 10.48 .246 .000
00489# [CN= 72.0; N= 3.00; Tpe=.03]
00490# # EXT14
00491# R0005.C00017 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00492# CALIB NASHD 1.0 01:EXT14 .44 .010 No_date 1:29 10.11 .238 .000
00493# [CN= 71.0; N= 3.00; Tpe=.48]
00494# # EXT15
00495# R0005.C00018 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00496# CALIB NASHD 1.0 01:EXT15 .07 .003 No_date 1:14 13.07 .308 .000
00497# [CN= 76.0; N= 3.00; Tpe=.21]
00498# # Site 1
00499# *****
00500# # STORMS
00501# *****
00502# ** END OF RUN : 9
00503#
00504#
00505#
00506#
00507#
00508#
00509#
00510#
00511#
00512# RUN:COMMAND#
00513# R0010.C00001
00514# START
00515# [TZERO = .00 hrs on 0]
00516# [METOUT= 2 (i=imperial, 2=metric output)]
00517# [NTHORN= 1]
00518# [NRUN = 0010]
00519#
00520# # SWEHYD / INPUT DATA FILE
00521# #
00522# # Project Name : [5923 201707 42.51]
00523# # Project Number: [P2701(e01)]
00524# # Date : [2025 April 28]
00525# # Modifier : [DM]
00526# # Company : JFSA Canada Inc.
00527# # License # : 2549227
00528# #
00529# # Model developed to simulate runoff from subcatchments under pre development conditions
00530# # THE FOLLOWING PARAMETERS ARE USED IN THE DESIGN STANDARD CCM
00531# R0010.C00002
00532# HEAD STORM
00533# Filename = STORM.001
00534# Comment = CHICAGO STORM 5 Year, 3 Hours
00535# [EPIFALL= STORM 3.001707 42.51]
00536# *****
00537# R0010.C00003
00538# DEFAULT VALUES
00539# Filename = C:\Temp\20250428-PostDev\Ottawa.val
00540# [CHSEV = 1 (read and print data)]
00541# FileTitle= File comment : [Parameters for City of Ottawa Projects]
00542#
00543# Horton's infiltration equation parameters:
00544# [Por=.72;mm/hr] [Por13.20 mm/hr] [DCAVE 4.14 /hr] [r=.00 mm]
00545# Parameters for PERVIOUS surfaces in STANDARD:
00546# [Iamp= 4.67 mm] [L2P=40.00 mm] [DWP=.250]
00547# Paramaters for IMPVIOUS out in STANDARD:
00548# [Iamp= 1.57 mm] [CZ1=1.50] [DWP=.013]
00549# Parameters used in NASHD01:
00550# [L/S= 4.67 mm] [N= 3.00]
00551# Average monthly Pan Evaporation data in (mm)
00552# JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
00553# .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
00554# Average monthly Potential Evapotranspiration in (mm)
00555# JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
00556# .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
00557# *****
00558# # EXT1
00559# R0010.C00004 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00560# CALIB NASHD 1.0 01:EXT1 3.21 .066 No_date 1:55 14.13 .332 .000
00561# [CN= 76.0; N= 3.00; Tpe=.42]
00562# # EXT2
00563# R0010.C00005 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00564# CALIB NASHD 1.0 01:EXT2 .28 .012 No_date 1:23 17.32 .407 .000
00565# [CN= 85.0; N= 3.00; Tpe=.33]
00566# # EXT3
00567# R0010.C00006 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00568# CALIB NASHD 1.0 01:EXT3 .56 .020 No_date 1:23 14.13 .332 .000
00569# [CN= 80.0; N= 3.00; Tpe=.32]
00570# # EXT4
00571# R0010.C00007 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00572# CALIB NASHD 1.0 01:EXT4 .31 .011 No_date 1:21 13.59 .320 .000
00573# [CN= 76.0; N= 3.00; Tpe=.48]
00574# # EXT5
00575# R0010.C00008 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00576# CALIB NASHD 1.0 01:EXT5 .01 .001 No_date 1:00 10.48 .246 .000
00577# [CN= 76.0; N= 3.00; Tpe=.45]
00578# # EXT6
00579# R0010.C00009 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00580# CALIB NASHD 1.0 01:EXT6 .86 .026 No_date 1:42 17.32 .407 .000
00581# [CN= 76.0; N= 3.00; Tpe=.42]
00582# # EXT7
00583# R0010.C00010 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00584# CALIB NASHD 1.0 01:EXT7 .47 .019 No_date 1:23 15.94 .375 .000
00585# [CN= 83.0; N= 3.00; Tpe=.32]
00586# # EXT8
00587# R0010.C00011 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00588# CALIB NASHD 1.0 01:EXT8 .83 .024 No_date 1:31 13.59 .320 .000
00589# [CN= 79.0; N= 3.00; Tpe=.42]
00590# # EXT9
00591# R0010.C00012 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00592# CALIB NASHD 1.0 01:EXT9 3.57 .083 No_date 1:36 12.13 .285 .000
00593# [CN= 76.0; N= 3.00; Tpe=.48]
00594# # EXT10
00595# R0010.C00013 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00596# CALIB NASHD 1.0 01:EXT10 .20 .004 No_date 1:32 10.11 .238 .000
00597# [CN= 71.0; N= 3.00; Tpe=.42]
00598# # EXT11
00599# R0010.C00014 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00600# CALIB NASHD 1.0 01:EXT11 .80 .021 No_date 1:21 10.11 .238 .000
00601# [CN= 71.0; N= 3.00; Tpe=.42]
00602# # EXT12
00603# R0010.C00015 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00604# CALIB NASHD 1.0 01:EXT12 .00 .000 No_date 1:00 13.06 .307 .000
00605# [CN= 76.0; N= 3.00; Tpe=.02]
00606# # EXT13
00607# R0010.C00016 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00608# CALIB NASHD 1.0 01:EXT13 .01 .001 No_date 1:00 10.48 .246 .000
00609# [CN= 72.0; N= 3.00; Tpe=.03]
00610# # EXT14
00611# R0010.C00017 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00612# CALIB NASHD 1.0 01:EXT14 .44 .010 No_date 1:29 10.11 .238 .000
00613# [CN= 71.0; N= 3.00; Tpe=.48]
00614# # EXT15
00615# R0010.C00018 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00616# CALIB NASHD 1.0 01:EXT15 .07 .003 No_date 1:14 13.07 .308 .000
00617# [CN= 76.0; N= 3.00; Tpe=.21]
00618# # Site 1
00619# *****
00620# # STORMS
00621# *****
00622# ** END OF RUN : 9
00623#
00624#
00625#
00626#
00627#
00628#
00629#
00630#
00631#
00632# RUN:COMMAND#
00633# R0015.C00001
00634# START
00635# [TZERO = .00 hrs on 0]
00636# [METOUT= 2 (i=imperial, 2=metric output)]
00637# [NTHORN= 1]
00638# [NRUN = 0010]
00639#
00640# # SWEHYD / INPUT DATA FILE
00641# #
00642# # Project Name : [5923 201707 42.51]
00643# # Project Number: [P2701(e01)]
00644# # Date : [2025 April 28]
00645# # Modifier : [DM]
00646# # Company : JFSA Canada Inc.
00647# # License # : 2549227
00648# #
00649# # Model developed to simulate runoff from subcatchments under pre development conditions
00650# # THE FOLLOWING PARAMETERS ARE USED IN THE DESIGN STANDARD CCM
00651# R0015.C00002
00652# HEAD STORM
00653# Filename = STORM.001
00654# Comment = CHICAGO STORM 5 Year, 3 Hours
00655# [EPIFALL= STORM 3.001707 42.51]
00656# *****
00657# R0015.C00003
00658# DEFAULT VALUES
00659# Filename = C:\Temp\20250428-PostDev\Ottawa.val
00660# [CHSEV = 1 (read and print data)]
00661# FileTitle= File comment : [Parameters for City of Ottawa Projects]
00662#
00663# Horton's infiltration equation parameters:
00664# [Por=.72;mm/hr] [Por13.20 mm/hr] [DCAVE 4.14 /hr] [r=.00 mm]
00665# Parameters for PERVIOUS surfaces in STANDARD:
00666# [Iamp= 4.67 mm] [L2P=40.00 mm] [DWP=.250]
00667# Paramaters for IMPVIOUS out in STANDARD:
00668# [Iamp= 1.57 mm] [CZ1=1.50] [DWP=.013]
00669# Parameters used in NASHD01:
00670# [L/S= 4.67 mm] [N= 3.00]
00671# Average monthly Pan Evaporation data in (mm)
00672# JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
00673# .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
00674# Average monthly Potential Evapotranspiration in (mm)
00675# JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
00676# .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
00677# *****
00678# # EXT1
00679# R0015.C00004 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00680# CALIB NASHD 1.0 01:EXT1 3.21 .066 No_date 1:55 14.13 .332 .000
00681# [CN= 76.0; N= 3.00; Tpe=.42]
00682# # EXT2
00683# R0015.C00005 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00684# CALIB NASHD 1.0 01:EXT2 .28 .012 No_date 1:23 17.32 .407 .000
00685# [CN= 85.0; N= 3.00; Tpe=.33]
00686# # EXT3
00687# R0015.C00006 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00688# CALIB NASHD 1.0 01:EXT3 .56 .020 No_date 1:23 14.13 .332 .000
00689# [CN= 80.0; N= 3.00; Tpe=.32]
00690# # EXT4
00691# R0015.C00007 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00692# CALIB NASHD 1.0 01:EXT4 .31 .011 No_date 1:21 13.59 .320 .000
00693# [CN= 76.0; N= 3.00; Tpe=.48]
00694# # EXT5
00695# R0015.C00008 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00696# CALIB NASHD 1.0 01:EXT5 .01 .001 No_date 1:00 10.48 .246 .000
00697# [CN= 76.0; N= 3.00; Tpe=.45]
00698# # EXT6
00699# R0015.C00009 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00700# CALIB NASHD 1.0 01:EXT6 .86 .026 No_date 1:42 17.32 .407 .000
00701# [CN= 76.0; N= 3.00; Tpe=.42]
00702# # EXT7
00703# R0015.C00010 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00704# CALIB NASHD 1.0 01:EXT7 .47 .019 No_date 1:23 15.94 .375 .000
00705# [CN= 83.0; N= 3.00; Tpe=.32]
00706# # EXT8
00707# R0015.C00011 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00708# CALIB NASHD 1.0 01:EXT8 .83 .024 No_date 1:31 13.59 .320 .000
00709# [CN= 79.0; N= 3.00; Tpe=.42]
00710# # EXT9
00711# R0015.C00012 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00712# CALIB NASHD 1.0 01:EXT9 3.57 .083 No_date 1:36 12.13 .285 .000
00713# [CN= 76.0; N= 3.00; Tpe=.48]
00714# # EXT10
00715# R0015.C00013 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00716# CALIB NASHD 1.0 01:EXT10 .20 .004 No_date 1:32 10.11 .238 .000
00717# [CN= 71.0; N= 3.00; Tpe=.42]
00718# # EXT11
00719# R0015.C00014 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00720# CALIB NASHD 1.0 01:EXT11 .80 .021 No_date 1:21 10.11 .238 .000
00721# [CN= 71.0; N= 3.00; Tpe=.42]
00722# # EXT12
00723# R0015.C00015 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00724# CALIB NASHD 1.0 01:EXT12 .00 .000 No_date 1:00 13.06 .307 .000
00725# [CN= 76.0; N= 3.00; Tpe=.02]
00726# # EXT13
00727# R0015.C00016 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00728# CALIB NASHD 1.0 01:EXT13 .01 .001 No_date 1:00 10.48 .246 .000
00729# [CN= 72.0; N= 3.00; Tpe=.03]
00730# # EXT14
00731# R0015.C00017 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00732# CALIB NASHD 1.0 01:EXT14 .44 .010 No_date 1:29 10.11 .238 .000
00733# [CN= 71.0; N= 3.00; Tpe=.48]
00734# # EXT15
00735# R0015.C00018 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00736# CALIB NASHD 1.0 01:EXT15 .07 .003 No_date 1:14 13.07 .308 .000
00737# [CN= 76.0; N= 3.00; Tpe=.21]
00738# # Site 1
00739# *****
00740# # STORMS
00741# *****
00742# ** END OF RUN : 9
00743#
00744#
00745#
00746#
00747#
00748#
00749#
00750#
00751#
00752# RUN:COMMAND#
00753# R0020.C00001
00754# START
00755# [TZERO = .00 hrs on 0]
00756# [METOUT= 2 (i=imperial, 2=metric output)]
00757# [NTHORN= 1]
00758# [NRUN = 0010]
00759#
00760# # SWEHYD / INPUT DATA FILE
00761# #
00762# # Project Name : [5923 201707 42.51]
00763# # Project Number: [P2701(e01)]
00764# # Date : [2025 April 28]
00765# # Modifier : [DM]
00766# # Company : JFSA Canada Inc.
00767# # License # : 2549227
00768# #
00769# # Model developed to simulate runoff from subcatchments under pre development conditions
00770# # THE FOLLOWING PARAMETERS ARE USED IN THE DESIGN STANDARD CCM
00771# R0020.C00002
00772# HEAD STORM
00773# Filename = STORM.001
00774# Comment = CHICAGO STORM 5 Year, 3 Hours
00775# [EPIFALL= STORM 3.001707 42.51]
00776# *****
00777# R0020.C00003
00778# DEFAULT VALUES
00779# Filename = C:\Temp\20250428-PostDev\Ottawa.val
00780# [CHSEV = 1 (read and print data)]
00781# FileTitle= File comment : [Parameters for City of Ottawa Projects]
00782#
00783# Horton's infiltration equation parameters:
00784# [Por=.72;mm/hr] [Por13.20 mm/hr] [DCAVE 4.14 /hr] [r=.00 mm]
00785# Parameters for PERVIOUS surfaces in STANDARD:
00786# [Iamp= 4.67 mm] [L2P=40.00 mm] [DWP=.250]
00787# Paramaters for IMPVIOUS out in STANDARD:
00788# [Iamp= 1.57 mm] [CZ1=1.50] [DWP=.013]
00789# Parameters used in NASHD01:
00790# [L/S= 4.67 mm] [N= 3.00]
00791# Average monthly Pan Evaporation data in (mm)
00792# JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
00793# .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
00794# Average monthly Potential Evapotranspiration in (mm)
00795# JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
00796# .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
00797# *****
00798# # EXT1
00799# R0020.C00004 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00800# CALIB NASHD 1.0 01:EXT1 3.21 .066 No_date 1:55 14.13 .332 .000
00801# [CN= 76.0; N= 3.00; Tpe=.42]
00802# # EXT2
00803# R0020.C00005 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00804# CALIB NASHD 1.0 01:EXT2 .28 .012 No_date 1:23 17.32 .407 .000
00805# [CN= 85.0; N= 3.00; Tpe=.33]
00806# # EXT3
00807# R0020.C00006 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00808# CALIB NASHD 1.0 01:EXT3 .56 .020 No_date 1:23 14.13 .332 .000
00809# [CN= 80.0; N= 3.00; Tpe=.32]
00810# # EXT4
00811# R0020.C00007 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00812# CALIB NASHD 1.0 01:EXT4 .31 .011 No_date 1:21 13.59 .320 .000
00813# [CN= 76.0; N= 3.00; Tpe=.48]
00814# # EXT5
00815# R0020.C00008 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00816# CALIB NASHD 1.0 01:EXT5 .01 .001 No_date 1:00 10.48 .246 .000
00817# [CN= 76.0; N= 3.00; Tpe=.45]
00818# # EXT6
00819# R0020.C00009 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00820# CALIB NASHD 1.0 01:EXT6 .86 .026 No_date 1:42 17.32 .407 .000
00821# [CN= 76.0; N= 3.00; Tpe=.42]
00822# # EXT7
00823# R0020.C00010 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00824# CALIB NASHD 1.0 01:EXT7 .47 .019 No_date 1:23 15.94 .375 .000
00825# [CN= 83.0; N= 3.00; Tpe=.32]
00826# # EXT8
00827# R0020.C00011 -----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate
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007212 # SWHYMO / INPUT DATA FILE
007223 #
007224 # Project Name : [5923 Ottawa St]
007225 # Project Number : [27101001]
007226 # Date : [2025 April 28]
007227 # Modeler : [JMS]
007228 # Company : JFSA Canada Inc.
007229 # License # : 2549237
007230 # *****
007231 # Model developed to simulate runoff from subcatchments under pre development conditions
007232 # *****
007233 # R0101C00002-----DtnIn-ID-INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvmm-R.C-----DWFCms
007234 # READ STORM
007235 # Filename = STORM.001
007236 # Comment = CHICAGO STORM 10 Year, 3 Hours
007237 # [RT=10.0;IDRM= 3.00;PTOT= 48.50]
007238 #
007239 # R0101C00003-----DtnIn-ID-INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvmm-R.C-----DWFCms
007240 # DEFAULT VALUES
007241 # Filename = C:\Temp\20250428-PostDev\Ottawa.val
007242 # ICAISdev = 1 (read and print data)
007243 # FileTitle= File comment: [Parameters for City of Ottawa Projects]
007244 # THE FOLLOWING PARAMETERS ARE USED IN THE DESIGN STANDARD COM
007245 # Horton's infiltration equation parameters:
007246 # [Fw=76.20 mm/hr] [Fw=13.20 mm/hr] [DCAY= 4.14 1/hr] [Fw=.00 mm]
007247 # Parameters for PERVIOUS surfaces in STANDARD:
007248 # [Iaper= 4.67 mm] [LDP=40.00 n] [DMP=.250]
007249 # Parameters for IMPERVIOUS surfaces in STANDARD:
007250 # [Iaper= 1.57 mm] [LDP= 1.50] [DMP=.031]
007251 # Parameters used in NAWDVI:
007252 # [Iaw= 4.67 mm] [Dw= 3.00]
007253 # Average monthly Pan Evaporation data in (mm)
007254 # JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
007255 # .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
007256 # Average monthly Potential Evapotranspiration in (mm)
007257 # JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
007258 # .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
007259 # *****
007260 # EX1
007261 # *****
007262 # R0101C00004-----DtnIn-ID-INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvmm-R.C-----DWFCms
007263 # CALIB NASHVD 1.0 01:EXT1 3.21 .088 No_date 1:54 18.55 .375 .000
007264 # [Cw=80.0; N= 3.00; Tpe=.72]
007265 # *****
007266 # EX2
007267 # *****
007268 # R0101C00005-----DtnIn-ID-INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvmm-R.C-----DWFCms
007269 # CALIB NASHVD 1.0 01:EXT2 2.8 .016 No_date 1:23 22.42 .453 .000
007270 # [Cw=85.0; N= 3.00; Tpe=.45]
007271 # *****
007272 # EX3
007273 # *****
007274 # R0101C00006-----DtnIn-ID-INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvmm-R.C-----DWFCms
007275 # CALIB NASHVD 1.0 01:EXT3 3.21 .088 No_date 1:23 18.55 .375 .000
007276 # [Cw=80.0; N= 3.00; Tpe=.72]
007277 # *****
007278 # EX4
007279 # *****
007280 # R0101C00007-----DtnIn-ID-INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvmm-R.C-----DWFCms
007281 # CALIB NASHVD 1.0 01:EXT4 3.1 .015 No_date 1:20 17.89 .361 .000
007282 # [Cw=79.0; N= 3.00; Tpe=.42]
007283 # *****
007284 # EX5
007285 # *****
007286 # R0101C00008-----DtnIn-ID-INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvmm-R.C-----DWFCms
007287 # CALIB NASHVD 1.0 01:EXT5 3.57 .111 No_date 1:36 16.08 .325 .000
007288 # [Cw=78.0; N= 3.00; Tpe=.45]
007289 # *****
007290 # EX6
007291 # *****
007292 # R0101C00009-----DtnIn-ID-INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvmm-R.C-----DWFCms
007293 # CALIB NASHVD 1.0 01:EXT6 3.6 .035 No_date 1:41 22.42 .453 .000
007294 # [Cw=85.0; N= 3.00; Tpe=.56]
007295 # *****
007296 # EX7
007297 # *****
007298 # R0101C00010-----DtnIn-ID-INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvmm-R.C-----DWFCms
007299 # CALIB NASHVD 1.0 01:EXT7 4.7 .025 No_date 1:22 20.75 .419 .000
007300 # [Cw=85.0; N= 3.00; Tpe=.47]
007301 # *****
007302 # EX8
007303 # *****
007304 # R0101C00011-----DtnIn-ID-INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvmm-R.C-----DWFCms
007305 # CALIB NASHVD 1.0 01:EXT8 3.3 .032 No_date 1:31 17.89 .361 .000
007306 # [Cw=79.0; N= 3.00; Tpe=.42]
007307 # *****
007308 # EX9
007309 # *****
007310 # R0101C00012-----DtnIn-ID-INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvmm-R.C-----DWFCms
007311 # CALIB NASHVD 1.0 01:EXT9 3.57 .111 No_date 1:36 16.08 .325 .000
007312 # [Cw=78.0; N= 3.00; Tpe=.45]
007313 # *****
007314 # EX10
007315 # *****
007316 # R0101C00013-----DtnIn-ID-INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvmm-R.C-----DWFCms
007317 # CALIB NASHVD 1.0 01:EXT10 3.6 .035 No_date 1:41 22.42 .453 .000
007318 # [Cw=85.0; N= 3.00; Tpe=.56]
007319 # *****
007320 # EX11
007321 # *****
007322 # R0101C00014-----DtnIn-ID-INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvmm-R.C-----DWFCms
007323 # CALIB NASHVD 1.0 01:EXT11 2.0 .006 No_date 1:31 13.53 .273 .000
007324 # [Cw=71.0; N= 3.00; Tpe=.42]
007325 # *****
007326 # Pres_1
007327 # *****
007328 # R0101C00015-----DtnIn-ID-INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvmm-R.C-----DWFCms
007329 # CALIB NASHVD 1.0 01:Pres_1 3.6 .035 No_date 1:41 22.42 .453 .000
007330 # [Cw=78.0; N= 3.00; Tpe=.42]
007331 # *****
007332 # Pres_2
007333 # *****
007334 # R0101C00016-----DtnIn-ID-INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvmm-R.C-----DWFCms
007335 # CALIB NASHVD 1.0 01:Pres_2 3.6 .035 No_date 1:41 22.42 .453 .000
007336 # [Cw=78.0; N= 3.00; Tpe=.42]
007337 # *****
007338 # Pres_3
007339 # *****
007340 # R0101C00017-----DtnIn-ID-INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvmm-R.C-----DWFCms
007341 # CALIB NASHVD 1.0 01:Pres_3 4.4 .013 No_date 1:28 13.53 .273 .000
007342 # [Cw=72.0; N= 3.00; Tpe=.21]
007343 # *****
007344 # Pres_4
007345 # *****
007346 # R0101C00018-----DtnIn-ID-INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvmm-R.C-----DWFCms
007347 # CALIB NASHVD 1.0 01:Pres_4 4.4 .013 No_date 1:28 13.53 .273 .000
007348 # [Cw=72.0; N= 3.00; Tpe=.21]
007349 # *****
007350 # Pres_5
007351 # *****
007352 # R0101C00019-----DtnIn-ID-INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvmm-R.C-----DWFCms
007353 # CALIB NASHVD 1.0 01:Pres_5 4.4 .013 No_date 1:28 13.53 .273 .000
007354 # [Cw=72.0; N= 3.00; Tpe=.21]
007355 # *****
007356 # Pres_6
007357 # *****
007358 # R0101C00020-----DtnIn-ID-INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvmm-R.C-----DWFCms
007359 # CALIB NASHVD 1.0 01:Pres_6 4.4 .013 No_date 1:28 13.53 .273 .000
007360 # [Cw=72.0; N= 3.00; Tpe=.21]
007361 # *****
007362 # Site 1
007363 # *****
007364 # R0101C00021-----DtnIn-ID-INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvmm-R.C-----DWFCms
007365 # DESIGN STANDARD 1.0 01:Site1 42 .086 No_date 1:00 31.73 .441 .000
007366 # [XTMP=47;TMP=57]
007367 # [SLP=1.0;DTW=1.00]
007368 # [LQSS= 1 : HORTONS]
007369 # Site 1 - Roof
007370 # *****
007371 # R0101C00022-----DtnIn-ID-INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvmm-R.C-----DWFCms
007372 # DESIGN STANDARD 1.0 01:Site1-Roof 42 .086 No_date 1:00 31.73 .441 .000
007373 # [XTMP=99;TMP=99]
007374 # [SLP= 50;DTW= 1.00]
007375 # [LQSS= 1 : HORTONS]
007376 # R0101C00023-----DtnIn-ID-INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvmm-R.C-----DWFCms
007377 # ROUTE RESERVATION 1.0 01:Site1-Roof 42 .086 No_date 1:00 31.73 .441 .000
007378 # out <= 1.0 01:Site1-Roof 42 .086 No_date 1:00 31.73 .441 .000
007379 # overflow <= 1.0 01:Site1-Roof 42 .086 No_date 1:00 31.73 .441 .000
007380 # [MKS00000=2338E-02 n3, TorConvFvls=0.0000E+00 n3, N-Conv= 0, TorConvFvls= 0.0000E+00 n3]
007381 # R0101C00024-----DtnIn-ID-INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvmm-R.C-----DWFCms
007382 # ADD HYD 1.0 01:Site1-Roof 42 .086 No_date 1:00 31.73 .441 .000
007383 # + 1.0 01:Site1-Roof 42 .086 No_date 1:00 31.73 .441 .000
007384 # + 1.0 01:Site1-Roof 42 .086 No_date 1:00 31.73 .441 .000
007385 # SUM= 1.0 01:Site1-Roof 42 .086 No_date 1:00 31.73 .441 .000
007386 # R0101C00025-----DtnIn-ID-INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvmm-R.C-----DWFCms
007387 # ROUTE RESERVATION 1.0 01:Site1-Roof 42 .086 No_date 1:00 31.73 .441 .000
007388 # out <= 1.0 01:Site1-Roof 42 .086 No_date 1:00 31.73 .441 .000
007389 # overflow <= 1.0 01:Site1-Roof 42 .086 No_date 1:00 31.73 .441 .000
007390 # [MKS00000=2338E-02 n3, TorConvFvls=0.0000E+00 n3, N-Conv= 0, TorConvFvls= 0.0000E+00 n3]
007391 # *****
007392 # Site 2
007393 # *****
007394 # R0101C00026-----DtnIn-ID-INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvmm-R.C-----DWFCms
007395 # DESIGN STANDARD 1.0 01:Site2 35 .071 No_date 1:00 31.37 .434 .000
007396 # [XTMP=46;TMP=56]
007397 # [SLP=1.0;DTW=1.00]
007398 # [LQSS= 1 : HORTONS]
007399 # Site 2 - Roof
007400 # *****
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010811 *****
010821 # EXT1
010831 *****
010841 ROUTE2/C00004-----DtnIn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfms
010851 CALIB NASHVD 1.0 01:EXT1 3.4537 .118 No_date 1.122 29.15 .421 .000
010861 [CN= 85.0: N= 3.00: Tpe =.72]
010871 *****
010881 # EXT2
010891 *****
010901 ROUTE2/C00005-----DtnIn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfms
010911 CALIB NASHVD 1.0 01:EXT2 .28 .022 No_date 1.122 29.15 .501 .000
010921 [CN= 79.0: N= 3.00: Tpe =.32]
010931 *****
010941 # EXT3
010951 *****
010961 ROUTE2/C00006-----DtnIn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfms
010971 CALIB NASHVD 1.0 01:EXT3 .56 .036 No_date 1.122 24.50 .421 .000
010981 [CN= 80.0: N= 3.00: Tpe =.32]
010991 *****
011001 # EXT4
011011 *****
011021 ROUTE2/C00007-----DtnIn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfms
011031 CALIB NASHVD 1.0 01:EXT4 .31 .020 No_date 1.120 23.69 .407 .000
011041 [CN= 79.0: N= 3.00: Tpe =.29]
011051 *****
011061 # EXT5
011071 *****
011081 ROUTE2/C00008-----DtnIn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfms
011091 CALIB NASHVD 1.0 01:EXT5 .59 .026 No_date 1.133 21.44 .368 .000
011101 [CN= 76.0: N= 3.00: Tpe =.32]
011111 *****
011121 # EXT6
011131 *****
011141 ROUTE2/C00009-----DtnIn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfms
011151 CALIB NASHVD 1.0 01:EXT6 .046 No_date 1.140 29.15 .501 .000
011161 [CN= 85.0: N= 3.00: Tpe =.56]
011171 *****
011181 # EXT7
011191 *****
011201 ROUTE2/C00010-----DtnIn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfms
011211 CALIB NASHVD 1.0 01:EXT7 .47 .034 No_date 1.122 27.17 .467 .000
011221 [CN= 80.0: N= 3.00: Tpe =.42]
011231 *****
011241 # EXT8
011251 *****
011261 ROUTE2/C00011-----DtnIn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfms
011271 CALIB NASHVD 1.0 01:EXT8 .83 .043 No_date 1.130 23.69 .407 .000
011281 [CN= 79.0: N= 3.00: Tpe =.42]
011291 *****
011301 # EXT9
011311 *****
011321 ROUTE2/C00012-----DtnIn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfms
011331 CALIB NASHVD 1.0 01:EXT9 3.57 .151 No_date 1.135 21.44 .368 .000
011341 [CN= 76.0: N= 3.00: Tpe =.48]
011351 *****
011361 # EXT10
011371 *****
011381 ROUTE2/C00013-----DtnIn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfms
011391 CALIB NASHVD 1.0 01:EXT10 .01 .002 No_date 1.000 22.90 .393 .000
011401 [CN= 76.0: N= 3.00: Tpe =.48]
011411 *****
011421 # EXT11
011431 *****
011441 ROUTE2/C00014-----DtnIn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfms
011451 CALIB NASHVD 1.0 01:EXT11 .20 .008 No_date 1.131 18.23 .313 .000
011461 [CN= 71.0: N= 3.00: Tpe =.42]
011471 *****
011481 # Pre2_1
011491 *****
011501 ROUTE2/C00015-----DtnIn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfms
011511 * CALIB NASHVD 1.0 01:Pre2_1 .01 .002 No_date 1.000 18.23 .323 .000
011521 [CN= 76.0: N= 3.00: Tpe =.02]
011531 *****
011541 # Pre2_2
011551 *****
011561 ROUTE2/C00016-----DtnIn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfms
011571 CALIB NASHVD 1.0 01:Pre2_2 .00 .000 No_date 1.000 22.87 .393 .000
011581 [CN= 78.0: N= 3.00: Tpe =.02]
011591 *****
011601 # Pre3_1
011611 *****
011621 ROUTE2/C00017-----DtnIn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfms
011631 CALIB NASHVD 1.0 01:Pre3_1 .44 .018 No_date 1.127 18.23 .313 .000
011641 [CN= 71.0: N= 3.00: Tpe =.38]
011651 *****
011661 # Pre3_2
011671 *****
011681 ROUTE2/C00018-----DtnIn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfms
011691 * CALIB NASHVD 1.0 01:Pre3_2 .01 .001 No_date 1.000 12.46 .214 .000
011701 [CN= 59.0: N= 3.00: Tpe =.03]
011711 *****
011721 # Pre3_3
011731 *****
011741 ROUTE2/C00019-----DtnIn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfms
011751 CALIB NASHVD 1.0 01:Pre3_3 .20 .040 No_date 1.131 18.23 .313 .000
011761 [CN= 71.0: N= 3.00: Tpe =.29]
011771 *****
011781 # Pre3_4
011791 *****
011801 ROUTE2/C00020-----DtnIn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfms
011811 CALIB NASHVD 1.0 01:Pre3_4 .07 .005 No_date 1.113 22.90 .393 .000
011821 [CN= 76.0: N= 3.00: Tpe =.03]
011831 *****
011841 # Site 1
011851 *****
011861 ROUTE2/C00021-----DtnIn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfms
011871 DESION STANDYD 1.0 01:Site1-81 .42 .109 No_date 1.000 39.40 .677 .000
011881 [XMP= 47:TIMP= 57]
011891 [SLP= 50:DT= 1.00]
011901 [LOGS= 1 : HORTONS]
011911 # Site 1 - Roof
011921 *****
011931 ROUTE2/C00022-----DtnIn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfms
011941 DESION STANDYD 1.0 01:Site1-Roof .07 .028 No_date 1.000 56.28 .967 .000
011951 [XMP= 99:TIMP= 99]
011961 [SLP= 50:DT= 1.00]
011971 [LOGS= 1 : HORTONS]
011981 ROUTE2/C00023-----DtnIn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfms
011991 ROUTE RESERVOIR -> 1.0 01:Site1-Roof .07 .028 No_date 1.000 56.28 n/a .000
012001 out <= 1.0 01:Site1-Roof-Ov .09 .008 No_date 1.111 56.28 n/a .000
012011 overflow <= 1.0 01:Site1-Roof-Ov .00 .000 No_date 0.000 .00 n/a .000
012021 [MktDevVol= 2398E-02 m3, TotDevVol= .0000E+00 m3, N-Ov= 0, TotDurOv= 0 hrs]
012031 ROUTE2/C00024-----DtnIn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfms
012041 ADD HYD + 1.0 01:Site1-81 .42 .109 No_date 1.000 39.40 n/a .000
012051 out <= 1.0 01:Site1-Roof-Ov .09 .008 No_date 1.111 56.28 n/a .000
012061 + 1.0 01:Site1-Roof-Ov .00 .000 No_date 0.000 .00 n/a .000
012071 SUM= 1.0 01:Site1-Roof-Ov .49 .111 No_date 1.000 41.81 n/a .000
012081 ROUTE2/C00025-----DtnIn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfms
012091 ROUTE RESERVOIR -> 1.0 01:Site1-IN .49 .111 No_date 1.000 41.81 n/a .000
012101 out <= 1.0 01:Site1-IN .09 .010 No_date 1.142 41.81 n/a .000
012111 overflow <= 1.0 01:Site1-Over .00 .000 No_date 0.000 .00 n/a .000
012121 [MktDevVol= 1218E-01 m3, TotDevVol= .0000E+00 m3, N-Ov= 0, TotDurOv= 0 hrs]
012131 *****
012141 # Site 2
012151 *****
012161 ROUTE2/C00026-----DtnIn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfms
012171 DESION STANDYD 1.0 01:Site2-83 .35 .090 No_date 1.000 39.04 .670 .000
012181 [XMP= 46:TIMP= 56]
012191 [SLP= 50:DT= 1.00]
012201 [LOGS= 1 : HORTONS]
012211 # Site 2 - Roof
012221 *****
012231 *****
012241 ROUTE2/C00027-----DtnIn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfms
012251 DESION STANDYD 1.0 01:Site2-Roof .09 .036 No_date 1.000 56.27 .966 .000
012261 [XMP= 99:TIMP= 99]
012271 [LOGS= 1 : HORTONS]
012281 *****
012291 *****
012301 ROUTE2/C00028-----DtnIn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfms
012311 ROUTE RESERVOIR -> 1.0 01:Site2-Roof .09 .036 No_date 1.000 56.27 n/a .000
012321 out <= 1.0 01:Site2-Roof-Ov .09 .008 No_date 1.111 56.28 n/a .000
012331 overflow <= 1.0 01:Site2-Roof-Ov .00 .000 No_date 0.000 .00 n/a .000
012341 [MktDevVol= 2398E-02 m3, TotDevVol= .0000E+00 m3, N-Ov= 0, TotDurOv= 0 hrs]
012351 ROUTE2/C00029-----DtnIn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfms
012361 ADD HYD + 1.0 01:Site2-83 .35 .090 No_date 1.000 39.04 n/a .000
012371 + 1.0 01:Site2-Roof-Ov .09 .008 No_date 1.111 56.28 n/a .000
012381 + 1.0 01:Site2-Roof-Ov .00 .000 No_date 0.000 .00 n/a .000
012391 SUM= 1.0 01:Site2-IN .49 .098 No_date 1.000 42.57 n/a .000
012401 ROUTE2/C00030-----DtnIn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfms
012411 ROUTE RESERVOIR -> 1.0 01:Site2-IN .44 .098 No_date 1.000 42.57 n/a .000
012421 out <= 1.0 01:Site2-Roof-Ov .09 .010 No_date 1.149 42.57 n/a .000
012431 overflow <= 1.0 01:Site2-Over .00 .000 No_date 0.000 .00 n/a .000
012441 [MktDevVol= 1116E-01 m3, TotDevVol= .0000E+00 m3, N-Ov= 0, TotDurOv= 0 hrs]
012451 ROUTE2/C00031-----DtnIn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfms
012461 ADD HYD + 1.0 01:Site1-Out .49 .010 No_date 1.142 41.81 n/a .000
012471 + 1.0 01:Site1-Out .09 .000 No_date 1.149 42.57 n/a .000
012481 SUM= 1.0 01:Site1 .49 .010 No_date 1.142 41.81 n/a .000
012491 ROUTE2/C00032-----DtnIn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfms
012501 ADD HYD + 1.0 01:Site2-Over .00 .000 No_date 0.000 .00 n/a .000
012511 + 1.0 01:Site2-Over .09 .012 No_date 1.149 42.57 n/a .000
012521 SUM= 1.0 01:Site2-Over .09 .000 No_date 0.000 .00 n/a .000
012531 ROUTE2/C00033-----DtnIn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfms
012541 ADD HYD + 1.0 01:EXT2 .28 .022 No_date 1.122 29.15 n/a .000
012551 + 1.0 01:EXT2-Pre1 .01 .002 No_date 1.100 18.42 n/a .000
012561 + 1.0 01:Site1 .49 .010 No_date 1.142 41.81 n/a .000
012571 + 1.0 01:Site1 .44 .012 No_date 1.149 42.57 n/a .000
012581 SUM= 1.0 01:21 1.23 .043 No_date 1.122 38.90 n/a .000
012591 ROUTE2/C00034-----DtnIn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfms
012601 ROUTE CHANNEL -> 1.0 01:21 1.23 .043 No_date 1.122 38.90 n/a .000
012611 [RDT= 1.00] out<- 1.0 01:R1 1.23 .042 No_date 1.129 38.90 n/a .000
012621 [L/S/n= 142./, .394/.035]
012631 (Vmax= .331:Dmax= .134)
012641 ROUTE2/C00035-----DtnIn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfms
012651 ADD HYD + 1.0 01:EXT3 .56 .036 No_date 1.122 24.50 n/a .000
012661 + 1.0 01:EXT3 .31 .020 No_date 1.122 24.50 n/a .000
012671 SUM= 1.0 01:EXT3 5.00 .178 No_date 1.144 28.04 n/a .000
012681 + 1.0 01:EXT3 .59 .026 No_date 1.133 21.44 n/a .000
012691 ROUTE2/C00036-----DtnIn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfms
012701 ROUTE CHANNEL -> 1.0 01:22 5.00 .178 No_date 1.144 28.04 n/a .000
012711 [RDT= 1.00] out<- 1.0 01:R2 5.00 .177 No_date 1.144 28.04 n/a .000
012721 [L/S/n= 142./, .425/.035]
012731 (Vmax= .478:Dmax= .245)
012741 ROUTE2/C00037-----DtnIn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfms
012751 ADD HYD + 1.0 01:EXT4 .59 .026 No_date 1.133 21.44 n/a .000
012761 + 1.0 01:EXT4 .31 .020 No_date 1.120 23.69 n/a .000
012771 SUM= 1.0 01:EXT4 5.31 .189 No_date 1.141 27.79 n/a .000
012781 ROUTE2/C00038-----DtnIn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfms
012791 ROUTE CHANNEL -> 1.0 01:23 5.31 .189 No_date 1.141 27.79 n/a .000
012801 [RDT= 1.00] out<- 1.0 01:R3 5.31 .189 No_date 1.144 27.79 n/a .000
012811 [L/S/n= 92./, .274/.035]
012821 (Vmax= .391:Dmax= .233)
012831 ROUTE2/C00039-----DtnIn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfms
012841 ADD HYD + 1.0 01:EXT5 5.31 .189 No_date 1.144 27.79 n/a .000
012851 + 1.0 01:EXT5 .59 .026 No_date 1.133 21.44 n/a .000
012861 SUM= 1.0 01:EXT5 5.90 .214 No_date 1.142 27.15 n/a .000
012871 ROUTE2/C00040-----DtnIn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfms
012881 ROUTE CHANNEL -> 1.0 01:24 5.90 .214 No_date 1.142 27.15 n/a .000
012891 [RDT= 1.00] out<- 1.0 01:R4 5.90 .203 No_date 1.153 27.15 n/a .000
012901 [L/S/n= 251./, .190/.035]
012911 (Vmax= .383:Dmax= .283)
012921 ROUTE2/C00041-----DtnIn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfms
012931 ADD HYD + 1.0 01:EXT4 5.90 .203 No_date 1.153 27.15 n/a .000
012941 + 1.0 01:EXT6 .86 .046 No_date 1.140 29.15 n/a .000
012951 SUM= 1.0 01:EXT4 6.76 .246 No_date 1.153 27.15 n/a .000
012961 + 1.0 01:EXT6 .86 .046 No_date 1.140 29.15 n/a .000
012971 ROUTE2/C00042-----DtnIn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfms
012981 ROUTE CHANNEL -> 1.0 01:25 7.24 .266 No_date 1.147 27.39 n/a .000
012991 [RDT= 1.00] out<- 1.0 01:R5 7.24 .262 No_date 1.153 27.39 n/a .000
013001 [L/S/n= 237./, .544/.035]
013011 (Vmax= .622:Dmax= .266)
013021 ROUTE2/C00043-----DtnIn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfms
013031 ADD HYD + 1.0 01:Pre1_0 .80 .040 No_date 1.120 18.23 n/a .000
013041 + 1.0 01:Pre2_2 .01 .001 No_date 1.000 12.46 n/a .000
013051 + 1.0 01:Pre2_2 .00 .000 No_date 1.000 22.87 n/a .000
013061 SUM= 1.0 01:Pre2 .81 .040 No_date 1.120 18.15 n/a .000
013071 ROUTE2/C00044-----DtnIn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfms
013081 ROUTE CHANNEL -> 1.0 01:Pre2 .81 .040 No_date 1.120 18.15 n/a .000
013091 [RDT= 1.00] out<- 1.0 01:R6 .81 .039 No_date 1.123 18.15 n/a .000
013101 [L/S/n= 271./, .776/.035]
013111 (Vmax= .492:Dmax= .029)
013121 ROUTE2/C00045-----DtnIn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfms
013131 ROUTE CHANNEL -> 1.0 01:Pre3_1 .44 .018 No_date 1.127 18.23 n/a .000
013141 [RDT= 1.00] out<- 1.0 01:R7 .44 .018 No_date 1.131 18.23 n/a .000
013151 [L/S/n= 159./, .176/.035]
013161 (Vmax= .797:Dmax= .005)
013171 ROUTE2/C00046-----DtnIn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfms
013181 ADD HYD + 1.0 01:EXT6 .81 .043 No_date 1.147 28.46 n/a .000
013191 + 1.0 01:EXT10 .20 .008 No_date 1.131 18.23 n/a .000
013201 SUM= 1.0 01:EXT6 1.02 .047 No_date 1.144 28.41 n/a .000
013211 ROUTE2/C00047-----DtnIn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfms
013221 ROUTE CHANNEL -> 1.0 01:26 1.02 .047 No_date 1.144 28.41 n/a .000
013231 [RDT= 1.00] out<- 1.0 01:R8 1.02 .046 No_date 1.127 18.41 n/a .000
013241 [L/S/n= 79./, .532/.035]
013251 (Vmax= .423:Dmax= .034)
013261 ROUTE2/C00048-----DtnIn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfms
013271 ADD HYD + 1.0 01:EXT7 .44 .031 No_date 1.148 18.66 n/a .000
013281 + 1.0 01:EXT7 .44 .031 No_date 1.148 18.66 n/a .000
013291 SUM= 1.0 01:EXT7 .88 .062 No_date 1.148 18.66 n/a .000
013301 ROUTE2/C00049-----DtnIn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfms
013311 ROUTE CHANNEL -> 1.0 01:27 1.46 .064 No_date 1.128 18.61 n/a .000
013321 [RDT= 1.00] out<- 1.0 01:R9 1.46 .064 No_date 1.129 18.61 n/a .000
013331 [L/S/n= 29./, .887/.035]
013341 (Vmax= .543:Dmax= .043)
013351 ROUTE2/C00050-----DtnIn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfms
013361 ADD HYD + 1.0 01:EXT7 3.57 .151 No_date 1.135 21.44 n/a .000
013371 + 1.0 01:EXT7 .44 .031 No_date 1.148 18.66 n/a .000
013381 + 1.0 01:EXT8 .83 .043 No_date 1.130 23.69 n/a .000
013391 + 1.0 01:EXT8 .24 .026 No_date 1.153 27.39 n/a .000
013401 SUM= 1.0 01:EXT8 13.10 .188 No_date 1.144 28.41 n/a .000
013411 ROUTE2/C00051-----DtnIn-ID:INVD-----AREAh-QFEARcms-TpeakDate_hh:mm-----Rvm-R.C-----DWfms
013421 ROUTE CHANNEL -> 1.0 01:28 13.10 .188 No_date 1.144 28.41 n/a .000
013431 + 1.0 01:Outlet 13.10 .188 No_date 1.144 28.41 n/a .000
013441 [L/S/n= 8./, .010/.035]
013451 (Vmax= .416:Dmax= 1.072)
013461 [Div= .53:Dmax= 1.31]
013471 *****
013481 # STORMS
013491 *****
013501 *****
013511 *****
013521 *****
013531 *****
013541 *****
013551 *****
013561 *****
013571 *****
013581 *****
013591 *****
013601 *****
013611 *****
013621 *****
013631 *****
013641 *****
013651 *****
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01441: *****
01442: R0505:C00010-----DtnIn-ID:HYND-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01443: CALIB NASHYD 1.0 01:EXT7 47 .041 Mo_date 1:21 32.24 .498 .000
01444: [Cm 83.0: Nm 3.00: Tps .32]
01445: *****
01446: # EXT8
01447: *****
01448: R0505:C00011-----DtnIn-ID:HYND-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01449: CALIB NASHYD 1.0 01:EXT8 .83 .052 Mo_date 1:30 28.33 .437 .000
01450: *****
01451: # EXT9
01452: *****
01453: *****
01454: R0505:C00012-----DtnIn-ID:HYND-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01455: CALIB NASHYD 1.0 01:EXT9 3.35 .193 Mo_date 1:27 25.77 .398 .000
01456: [Cm 76.0: Nm 3.00: Tps .48]
01457: *****
01458: # EXT9a
01459: *****
01460: R0505:C00013-----DtnIn-ID:HYND-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01461: CALIB NASHYD 1.0 01:EXT9a .01 .002 Mo_date 1:00 27.43 .423 .000
01462: [Cm 79.0: Nm 3.00: Tps .]
01463: *****
01464: # EXT10
01465: *****
01466: R0505:C00014-----DtnIn-ID:HYND-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01467: CALIB NASHYD 1.0 01:EXT10 .20 .010 Mo_date 1:30 22.06 .340 .000
01468: [Cm 71.0: Nm 3.00: Tps .42]
01469: *****
01470: # Pres_1
01471: *****
01472: R0505:C00015-----DtnIn-ID:HYND-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01473: CALIB NASHYD 1.0 01:Pres_1 .01 .002 Mo_date 1:00 22.75 .351 .000
01474: [Cm 72.0: Nm 3.00: Tps .03]
01475: *****
01476: # Pres_2
01477: *****
01478: R0505:C00016-----DtnIn-ID:HYND-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01479: CALIB NASHYD 1.0 01:Pres_2 .00 .000 Mo_date 1:00 27.40 .423 .000
01480: [Cm 78.0: Nm 3.00: Tps .]
01481: *****
01482: # Pres_3
01483: *****
01484: R0505:C00017-----DtnIn-ID:HYND-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01485: CALIB NASHYD 1.0 01:Pres_3 .02 Mo_date 1:27 27.340 .000
01486: [Cm 71.0: Nm 3.00: Tps .38]
01487: *****
01488: # Pres_2
01489: *****
01490: R0505:C00018-----DtnIn-ID:HYND-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01491: CALIB NASHYD 1.0 01:Pres_2 .01 .002 Mo_date 1:00 15.27 .236 .000
01492: [Cm 85.0: Nm 3.00: Tps .]
01493: *****
01494: # Pres_1
01495: *****
01496: R0505:C00019-----DtnIn-ID:HYND-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01497: CALIB NASHYD 1.0 01:Pres_1 .80 .048 Mo_date 1:20 22.07 .340 .000
01498: [Cm 71.0: Nm 3.00: Tps .29]
01499: *****
01500: # Pres_1
01501: *****
01502: R0505:C00020-----DtnIn-ID:HYND-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01503: CALIB NASHYD 1.0 01:Pres_1 .07 .006 Mo_date 1:13 27.44 .423 .000
01504: [Cm 76.0: Nm 3.00: Tps .21]
01505: *****
01506: # Site 1
01507: *****
01508: R0505:C00021-----DtnIn-ID:HYND-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01509: DESIGN STANDYD 1.0 01:Site-1 .42 .125 Mo_date 1:00 45.26 .498 .000
01510: [XMP= 47:TIMP= 57]
01511: [SLP= .00DTP= 1.00]
01512: [LOGS= 1: HORTONS= 1]
01513: # Site 1 - Roof
01514: *****
01515: R0505:C00022-----DtnIn-ID:HYND-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01516: DESIGN STANDYD 1.0 01:Site-Roof .07 .031 Mo_date 1:00 62.84 .970 .000
01517: [XMP= 99:TIMP= 99]
01518: [SLP= .50DTP= 1.00]
01519: [LOGS= 1: HORTONS= 1]
01520: R0505:C00023-----DtnIn-ID:HYND-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01521: ROUTE RESERVOIR -> 1.0 01:Site-Roof-Ou .07 .031 Mo_date 1:00 62.84 n/a .000
01522: out <= 1.0 01:Site-Roof-Ou .00 .000 Mo_date 1:00 62.84 n/a .000
01523: overflow <= 1.0 01:Site-Roof-Ou .00 .000 Mo_date 0:00 n/a .000
01524: [MstToDesd= 27.91E-02 m3, TotToVol= .0000E+00 m3, N=Ovrf= 0, TotDurToV= 0 hrs]
01525: R0505:C00024-----DtnIn-ID:HYND-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01526: ADD HYD 1.0 01:Site-1 .42 .125 Mo_date 1:00 45.26 n/a .000
01527: + 1.0 01:Site-Roof-Ou .00 .000 Mo_date 1:00 62.84 n/a .000
01528: + 1.0 01:Site-Roof-Ou .00 .000 Mo_date 0:00 n/a .000
01529: SUM= 1.0 01:SITE1-IN .49 .127 Mo_date 1:00 47.77 n/a .000
01530: R0505:C00025-----DtnIn-ID:HYND-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01531: ROUTE RESERVOIR -> 1.0 01:SITE1-IN .49 .127 Mo_date 1:00 47.77 n/a .000
01532: out <= 1.0 01:SITE1-IN .00 .000 Mo_date 0:00 n/a .000
01533: overflow <= 1.0 01:SITE1-Over .00 .000 Mo_date 0:00 n/a .000
01534: [MstToDesd= 1.431E-01 m3, TotToVol= .0000E+00 m3, N=Ovrf= 0, TotDurToV= 0 hrs]
01535: # Site 2
01536: *****
01537: *****
01538: R0505:C00026-----DtnIn-ID:HYND-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01539: DESIGN STANDYD 1.0 01:Site-2 .35 .106 Mo_date 1:00 44.84 .692 .000
01540: [XMP= 46:TIMP= 56]
01541: [SLP= .00DTP= 1.00]
01542: [LOGS= 1: HORTONS= 1]
01543: *****
01544: # Site 2 - Roof
01545: *****
01546: R0505:C00027-----DtnIn-ID:HYND-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01547: DESIGN STANDYD 1.0 01:Site-Roof .09 .040 Mo_date 1:00 62.84 .970 .000
01548: [XMP= 99:TIMP= 99]
01549: [SLP= .50DTP= 1.00]
01550: [LOGS= 1: HORTONS= 1]
01551: *****
01552: R0505:C00028-----DtnIn-ID:HYND-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01553: ROUTE RESERVOIR -> 1.0 01:Site-Roof .09 .040 Mo_date 1:00 62.84 n/a .000
01554: out <= 1.0 01:Site-Roof-Ou .09 .008 Mo_date 1:11 62.85 n/a .000
01555: overflow <= 1.0 01:Site-Roof-Ou .00 .000 Mo_date 0:00 n/a .000
01556: [MstToDesd= 27.94E-02 m3, TotToVol= .0000E+00 m3, N=Ovrf= 0, TotDurToV= 0 hrs]
01557: R0505:C00029-----DtnIn-ID:HYND-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01558: ADD HYD 1.0 01:Site-2 .35 .106 Mo_date 1:00 44.84 n/a .000
01559: + 1.0 01:Site-Roof-Ou .09 .008 Mo_date 1:11 62.85 n/a .000
01560: + 1.0 01:Site-Roof-Ou .00 .000 Mo_date 0:00 n/a .000
01561: SUM= 1.0 01:SITE2-IN .44 .114 Mo_date 1:00 48.53 n/a .000
01562: R0505:C00030-----DtnIn-ID:HYND-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01563: ROUTE RESERVOIR -> 1.0 01:SITE2-IN .44 .114 Mo_date 1:00 48.53 n/a .000
01564: out <= 1.0 01:SITE2-IN .00 .000 Mo_date 0:00 n/a .000
01565: overflow <= 1.0 01:SITE2-Over .00 .000 Mo_date 0:00 n/a .000
01566: [MstToDesd= 1.274E-01 m3, TotToVol= .0000E+00 m3, N=Ovrf= 0, TotDurToV= 0 hrs]
01567: R0505:C00031-----DtnIn-ID:HYND-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01568: ADD HYD 1.0 01:SITE1-Over .49 .011 Mo_date 1:43 47.77 n/a .000
01569: + 1.0 01:SITE1-Over .00 .000 Mo_date 0:00 n/a .000
01570: SUM= 1.0 01:SITE1-Over .49 .011 Mo_date 1:43 47.77 n/a .000
01571: R0505:C00032-----DtnIn-ID:HYND-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01572: ADD HYD 1.0 01:SITE2-Over .44 .014 Mo_date 1:43 48.53 n/a .000
01573: + 1.0 01:SITE2-Over .00 .000 Mo_date 0:00 n/a .000
01574: SUM= 1.0 01:SITE2 .44 .014 Mo_date 1:43 48.53 n/a .000
01575: R0505:C00033-----DtnIn-ID:HYND-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01576: ADD HYD 1.0 01:EXT7 .28 .026 Mo_date 1:22 34.45 n/a .000
01577: + 1.0 01:Pres_1 .01 .002 Mo_date 1:00 22.75 n/a .000
01578: + 1.0 01:SITE1 .49 .011 Mo_date 1:43 47.77 n/a .000
01579: + 1.0 01:SITE2 .44 .014 Mo_date 1:43 48.53 n/a .000
01580: SUM= 1.0 01:21 .125 Mo_date 1:25 44.49 n/a .000
01581: R0505:C00034-----DtnIn-ID:HYND-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01582: ROUTE CHANNEL -> 1.0 01:21 1.23 .050 Mo_date 1:25 44.49 n/a .000
01583: [RD= 1.00] out<- 1.0 01:R1 1.23 .049 Mo_date 1:30 44.49 n/a .000
01584: [L/S/m= 143 / .394 / .035]
01585: *****
01586: R0505:C00035-----DtnIn-ID:HYND-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01587: ADD HYD 1.0 01:EXT7 1.23 .049 Mo_date 1:30 44.49 n/a .000
01588: + 1.0 01:EXT3 .56 .044 Mo_date 1:22 29.25 n/a .000
01589: + 1.0 01:EXT1 3.21 .142 Mo_date 1:53 29.25 n/a .000
01590: SUM= 1.0 01:21 5.00 .112 Mo_date 1:41 32.04 n/a .000
01591: R0505:C00036-----DtnIn-ID:HYND-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01592: ROUTE CHANNEL -> 1.0 01:23 5.31 .228 Mo_date 1:40 32.77 n/a .000
01593: [RD= 1.00] out<- 1.0 01:R2 5.00 .212 Mo_date 1:41 33.04 n/a .000
01594: [L/S/m= 92 / .274 / .035]
01595: *****
01596: R0505:C00037-----DtnIn-ID:HYND-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01597: ADD HYD 1.0 01:EXT4 .31 .025 Mo_date 1:19 28.33 n/a .000
01598: + 1.0 01:EXT3 .56 .044 Mo_date 1:22 29.25 n/a .000
01599: + 1.0 01:EXT1 3.21 .142 Mo_date 1:53 29.25 n/a .000
01600: SUM= 1.0 01:23 5.31 .228 Mo_date 1:40 32.77 n/a .000
01601: ROUTE CHANNEL -> 1.0 01:23 5.31 .228 Mo_date 1:40 32.77 n/a .000
01602: [RD= 1.00] out<- 1.0 01:R3 5.31 .226 Mo_date 1:43 32.77 n/a .000
01603: [L/S/m= 92 / .274 / .035]
01604: *****
01605: R0505:C00038-----DtnIn-ID:HYND-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01606: ADD HYD 1.0 01:R3 5.31 .226 Mo_date 1:43 32.77 n/a .000
01607: + 1.0 01:R2 5.00 .212 Mo_date 1:41 32.04 n/a .000
01608: SUM= 1.0 01:24 5.90 .257 Mo_date 1:41 32.06 n/a .000
01609: R0505:C00039-----DtnIn-ID:HYND-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01610: ROUTE CHANNEL -> 1.0 01:24 5.90 .257 Mo_date 1:41 32.06 n/a .000
01611: [RD= 1.00] out<- 1.0 01:R4 5.90 .244 Mo_date 1:52 32.06 n/a .000
01612: [L/S/m= 139 / .191 / .035]
01613: *****
01614: R0505:C00040-----DtnIn-ID:HYND-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01615: ADD HYD 1.0 01:EXT6 .86 .055 Mo_date 1:40 34.45 n/a .000
01616: + 1.0 01:EXT4 .31 .025 Mo_date 1:19 28.33 n/a .000
01617: + 1.0 01:EXT3 .56 .044 Mo_date 1:22 29.25 n/a .000
01618: SUM= 1.0 01:25 7.24 .320 Mo_date 1:46 32.36 n/a .000
01619: R0505:C00041-----DtnIn-ID:HYND-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01620: ROUTE CHANNEL -> 1.0 01:25 7.24 .320 Mo_date 1:46 32.36 n/a .000
01621: [RD= 1.00] out<- 1.0 01:R5 7.24 .316 Mo_date 1:52 32.36 n/a .000
01622: [L/S/m= 237 / .644 / .038]
01623: *****
01624: R0505:C00042-----DtnIn-ID:HYND-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01625: ADD HYD 1.0 01:Pres_1 .44 .022 Mo_date 1:27 22.07 n/a .000
01626: + 1.0 01:Pres_2 .01 .002 Mo_date 1:00 15.27 n/a .000
01627: + 1.0 01:Pres_3 .02 Mo_date 1:27 27.340 .000
01628: SUM= 1.0 01:Pres .45 Mo_date 1:20 21.96 n/a .000
01629: R0505:C00043-----DtnIn-ID:HYND-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01630: ROUTE CHANNEL -> 1.0 01:Pres .45 Mo_date 1:20 21.96 n/a .000
01631: [RD= 1.00] out<- 1.0 01:R6 .81 .048 Mo_date 1:23 21.96 n/a .000
01632: [L/S/m= 159 / .176 / .038]
01633: *****
01634: R0505:C00044-----DtnIn-ID:HYND-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01635: ROUTE CHANNEL -> 1.0 01:Pres .45 Mo_date 1:20 21.96 n/a .000
01636: [RD= 1.00] out<- 1.0 01:R7 .44 .022 Mo_date 1:31 22.07 n/a .000
01637: [L/S/m= 159 / .176 / .038]
01638: *****
01639: R0505:C00045-----DtnIn-ID:HYND-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01640: ADD HYD 1.0 01:EXT10 .20 .010 Mo_date 1:30 22.06 n/a .000
01641: + 1.0 01:EXT10 .20 .010 Mo_date 1:30 22.06 n/a .000
01642: + 1.0 01:EXT6 .86 .055 Mo_date 1:40 34.45 n/a .000
01643: SUM= 1.0 01:26 1.02 .057 Mo_date 1:24 22.25 n/a .000
01644: ROUTE CHANNEL -> 1.0 01:26 1.02 .057 Mo_date 1:24 22.25 n/a .000
01645: [RD= 1.00] out<- 1.0 01:R8 1.02 .057 Mo_date 1:27 22.25 n/a .000
01646: [L/S/m= 79 / .522 / .035]
01647: *****
01648: R0505:C00046-----DtnIn-ID:HYND-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01649: ADD HYD 1.0 01:EXT8 1.02 .057 Mo_date 1:27 22.44 n/a .000
01650: + 1.0 01:EXT7 .83 .052 Mo_date 1:30 28.33 n/a .000
01651: + 1.0 01:EXT6 .86 .055 Mo_date 1:40 34.45 n/a .000
01652: SUM= 1.0 01:27 1.46 .078 Mo_date 1:28 22.47 n/a .000
01653: ROUTE CHANNEL -> 1.0 01:27 1.46 .078 Mo_date 1:28 22.47 n/a .000
01654: [RD= 1.00] out<- 1.0 01:R9 1.46 .078 Mo_date 1:29 22.47 n/a .000
01655: [L/S/m= 29 / .887 / .035]
01656: *****
01657: R0505:C00047-----DtnIn-ID:HYND-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01658: ADD HYD 1.0 01:EXT9 3.57 .183 Mo_date 1:35 25.77 n/a .000
01659: + 1.0 01:EXT8 1.46 .078 Mo_date 1:29 22.58 n/a .000
01660: + 1.0 01:EXT7 .83 .052 Mo_date 1:30 28.33 n/a .000
01661: + 1.0 01:EXT6 .86 .055 Mo_date 1:40 34.45 n/a .000
01662: SUM= 1.0 01:28 5.70 .293 Mo_date 1:32 26.36 n/a .000
01663: R0505:C00051-----DtnIn-ID:HYND-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01664: ROUTE PIPE -> 1.0 01:28 13.10 .594 Mo_date 1:42 29.22 n/a .000
01665: [L/S/m= 8 / .010 / .013]
01666: (Vmax= 433)
01667: (Dine= 53)
01668: (Dine= 53)
01669: *****
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01793: *****
01794: *****
01795: *****
01796: *****
01797: *****
01798: *****
01799: *****
01800: *****
```



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01801# * CALIB NASHVD 1.0 01:Pre2 .00 .001 No_date 1:00 32.36 .451 .000
01802# [CN= 76.0: N= 3.00: Tpe = .38]
01803# *****
01804# # Pre2_1
01805# *****
01806# R0099:CO0001-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
01807# CALIB NASHVD 1.0 01:Pre2_1 .44 .027 No_date 1:27 26.29 .367 .000
01808# [CN= 71.0: N= 3.00: Tpe = .38]
01809# *****
01810# # Pre2_2
01811# *****
01812# R0099:CO0001-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
01813# * CALIB NASHVD 1.0 01:Pre2_2 .01 .002 No_date 1:00 18.43 .257 .000
01814# [CN= 79.0: N= 3.00: Tpe = .03]
01815# *****
01816# # Pre1_1
01817# *****
01818# R0099:CO0019-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
01819# CALIB NASHVD 1.0 01:Pre1_1 .80 .058 No_date 1:20 26.29 .367 .000
01820# [CN= 71.0: N= 3.00: Tpe = .38]
01821# *****
01822# # Pre1_2
01823# *****
01824# R0099:CO0020-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
01825# CALIB NASHVD 1.0 01:Pre1_2 .07 .008 No_date 1:23 27.37 .452 .000
01826# [CN= 78.0: N= 3.00: Tpe = .21]
01827# *****
01828# # Site 1
01829# *****
01830# R0099:CO0021-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
01831# DESIGN STANDBYD 1.0 01:Site-81 .42 .146 No_date 1:00 51.46 .718 .000
01832# [XIMP= 47:TMP= 57]
01833# [SLP= 1.00DT= 1.00]
01834# *****
01835# # Site 1 - Roof
01836# *****
01837# R0099:CO0021-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
01838# DESIGN STANDBYD 1.0 01:Site-Roof .07 .035 No_date 1:00 69.68 .972 .000
01839# [XIMP= 99:TMP= 99]
01840# [SLP= 50:DT= 1.00]
01841# *****
01842# R0099:CO0021-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
01843# ROUTE RESERVOIR -> 1.0 01:Site-Roof .07 .035 No_date 1:00 69.68 n/a .000
01844# out <= 1.0 01:Site-Roof-0u .07 .003 No_date 1:30 69.68 n/a .000
01845# overflow <= 1.0 01:Site-Roof-0u .00 .000 No_date 0:00 .00 n/a .000
01846# [MettoUsed=.3296E-02 n3, TotDurVol=.0000E+00 n3, N-Ovfr= 0, TotDurOvr= 0 hrs]
01847# R0099:CO0021-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
01848# ADD HYD 1.0 01:Site-81 .42 .146 No_date 1:00 51.46 n/a .000
01849# + 1.0 01:Site-Roof-0u .07 .003 No_date 1:30 69.68 n/a .000
01850# + 1.0 01:Site-Roof-0u .00 .000 No_date 0:00 .00 n/a .000
01851# SUM= 1.0 01:SITE1-IN .49 .148 No_date 1:00 54.06 n/a .000
01852# R0099:CO0025-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
01853# ROUTE RESERVOIR -> 1.0 01:SITE1-IN .49 .148 No_date 1:00 54.06 n/a .000
01854# out <= 1.0 01:SITE1-out .49 .014 No_date 1:41 54.06 n/a .000
01855# overflow <= 1.0 01:SITE1-out .00 .000 No_date 0:00 .00 n/a .000
01856# [MettoUsed=.1634E-01 n3, TotDurVol=.0000E+00 n3, N-Ovfr= 0, TotDurOvr= 0 hrs]
01857# *****
01858# # Site 2
01859# *****
01860# R0099:CO0026-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
01861# DESIGN STANDBYD 1.0 01:Site-83 .35 .121 No_date 1:00 51.06 .712 .000
01862# [XIMP= 47:TMP= 56]
01863# [SLP= 1.00DT= 1.00]
01864# *****
01865# # Site 2 - Roof
01866# *****
01867# R0099:CO0027-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
01868# DESIGN STANDBYD 1.0 01:Site-Roof .09 .044 No_date 1:00 69.68 .972 .000
01869# [XIMP= 91:TMP= 99]
01870# [SLP= 50:DT= 1.00]
01871# *****
01872# R0099:CO0027-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
01873# ROUTE RESERVOIR -> 1.0 01:Site-Roof .09 .044 No_date 1:00 69.68 n/a .000
01874# out <= 1.0 01:Site-Roof-0u .09 .009 No_date 1:12 69.70 n/a .000
01875# overflow <= 1.0 01:Site-Roof-0u .00 .000 No_date 0:00 .00 n/a .000
01876# [MettoUsed=.3119E-02 n3, TotDurVol=.0000E+00 n3, N-Ovfr= 0, TotDurOvr= 0 hrs]
01877# R0099:CO0029-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
01878# ADD HYD 1.0 01:Site-83 .44 .129 No_date 1:00 54.87 n/a .000
01879# + 1.0 01:Site-Roof-0u .09 .009 No_date 1:12 69.70 n/a .000
01880# + 1.0 01:Site-Roof-0u .00 .000 No_date 0:00 .00 n/a .000
01881# SUM= 1.0 01:SITE2-IN .44 .129 No_date 1:00 54.87 n/a .000
01882# R0099:CO0030-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
01883# ROUTE RESERVOIR -> 1.0 01:SITE2-IN .44 .129 No_date 1:00 54.87 n/a .000
01884# out <= 1.0 01:SITE2-out .44 .018 No_date 1:39 54.87 n/a .000
01885# overflow <= 1.0 01:SITE2-out .00 .000 No_date 0:00 .00 n/a .000
01886# [MettoUsed=.1413E-01 n3, TotDurVol=.0000E+00 n3, N-Ovfr= 0, TotDurOvr= 0 hrs]
01887# R0099:CO0031-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
01888# ADD HYD 1.0 01:SITE1-Over .49 .014 No_date 1:41 54.06 n/a .000
01889# + 1.0 01:SITE1-Over .00 .000 No_date 0:00 .00 n/a .000
01890# SUM= 1.0 01:SITE1-Over .49 .014 No_date 1:41 54.06 n/a .000
01891# R0099:CO0032-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
01892# ADD HYD 1.0 01:SITE2-out .44 .018 No_date 1:39 54.87 n/a .000
01893# + 1.0 01:SITE2-out .00 .000 No_date 0:00 .00 n/a .000
01894# SUM= 1.0 01:SITE2-out .44 .018 No_date 1:39 54.87 n/a .000
01895# R0099:CO0033-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
01896# ADD HYD 1.0 01:SITE2 .28 .031 No_date 1:22 40.14 n/a .000
01897# + 1.0 01:Pre2_1 .01 .003 No_date 1:00 27.07 n/a .000
01898# + 1.0 01:SITE1-out .31 .014 No_date 1:41 54.06 n/a .000
01899# + 1.0 01:SITE2-out .44 .018 No_date 1:39 54.87 n/a .000
01900# SUM= 1.0 01:SITE1 .29 .032 No_date 1:27 40.14 n/a .000
01901# R0099:CO0034-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
01902# ROUTE CHANNEL -> 1.0 01:21 1.23 .060 No_date 1:27 50.84 n/a .000
01903# [RDY= 1.00 out<= 1.0 01:21 1.23 .059 No_date 1:32 50.84 n/a .000]
01904# [L/S= 143 / .394 / .035]
01905# *****
01906# R0099:CO0035-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
01907# ADD HYD 1.0 01:21 1.23 .059 No_date 1:32 50.84 n/a .000
01908# + 1.0 01:21 1.23 .059 No_date 1:32 50.84 n/a .000
01909# SUM= 1.0 01:21 1.23 .059 No_date 1:32 50.84 n/a .000
01910# R0099:CO0036-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
01911# ROUTE CHANNEL -> 1.0 01:22 5.00 .253 No_date 1:41 38.43 n/a .000
01912# [RDY= 1.00 out<= 1.0 01:22 5.00 .253 No_date 1:43 38.43 n/a .000]
01913# [L/S= 73 / .429 / .035]
01914# *****
01915# R0099:CO0037-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
01916# ADD HYD 1.0 01:22 5.00 .253 No_date 1:43 38.43 n/a .000
01917# + 1.0 01:22 5.00 .253 No_date 1:43 38.43 n/a .000
01918# SUM= 1.0 01:22 5.00 .253 No_date 1:43 38.43 n/a .000
01919# R0099:CO0038-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
01920# ROUTE CHANNEL -> 1.0 01:23 5.31 .271 No_date 1:39 38.14 n/a .000
01921# [RDY= 1.00 out<= 1.0 01:23 5.31 .270 No_date 1:39 38.14 n/a .000]
01922# [L/S= 92 / .274 / .043]
01923# *****
01924# R0099:CO0039-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
01925# ADD HYD 1.0 01:23 5.31 .270 No_date 1:39 38.14 n/a .000
01926# + 1.0 01:23 5.31 .270 No_date 1:39 38.14 n/a .000
01927# SUM= 1.0 01:23 5.31 .270 No_date 1:39 38.14 n/a .000
01928# R0099:CO0040-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
01929# ROUTE CHANNEL -> 1.0 01:24 5.90 .291 No_date 1:51 37.37 n/a .000
01930# [RDY= 1.00 out<= 1.0 01:24 5.90 .291 No_date 1:51 37.37 n/a .000]
01931# [L/S= 251 / .190 / .035]
01932# *****
01933# R0099:CO0041-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
01934# ADD HYD 1.0 01:24 5.90 .291 No_date 1:51 37.37 n/a .000
01935# + 1.0 01:24 5.90 .291 No_date 1:51 37.37 n/a .000
01936# SUM= 1.0 01:24 5.90 .291 No_date 1:51 37.37 n/a .000
01937# R0099:CO0042-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
01938# ROUTE CHANNEL -> 1.0 01:25 7.24 .381 No_date 1:46 37.72 n/a .000
01939# [RDY= 1.00 out<= 1.0 01:25 7.24 .377 No_date 1:50 37.72 n/a .000]
01940# [L/S= 237 / .644 / .035]
01941# *****
01942# R0099:CO0043-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
01943# ADD HYD 1.0 01:25 7.24 .381 No_date 1:46 37.72 n/a .000
01944# + 1.0 01:25 7.24 .381 No_date 1:46 37.72 n/a .000
01945# SUM= 1.0 01:25 7.24 .381 No_date 1:46 37.72 n/a .000
01946# R0099:CO0044-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
01947# ROUTE CHANNEL -> 1.0 01:26 1.02 .069 No_date 1:23 26.48 n/a .000
01948# [RDY= 1.00 out<= 1.0 01:26 1.02 .069 No_date 1:23 26.48 n/a .000]
01949# [L/S= 79 / .522 / .035]
01950# *****
01951# R0099:CO0045-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
01952# ADD HYD 1.0 01:26 1.02 .069 No_date 1:23 26.48 n/a .000
01953# + 1.0 01:26 1.02 .069 No_date 1:23 26.48 n/a .000
01954# SUM= 1.0 01:26 1.02 .069 No_date 1:23 26.48 n/a .000
01955# R0099:CO0046-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
01956# ROUTE CHANNEL -> 1.0 01:27 1.46 .094 No_date 1:28 26.71 n/a .000
01957# [RDY= 1.00 out<= 1.0 01:27 1.46 .094 No_date 1:28 26.71 n/a .000]
01958# [L/S= 79 / .522 / .035]
01959# *****
01960# R0099:CO0047-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
01961# ADD HYD 1.0 01:28 1.02 .068 No_date 1:27 26.67 n/a .000
01962# + 1.0 01:28 1.02 .068 No_date 1:27 26.67 n/a .000
01963# SUM= 1.0 01:28 1.02 .068 No_date 1:27 26.67 n/a .000
01964# R0099:CO0048-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
01965# ROUTE CHANNEL -> 1.0 01:27 1.46 .094 No_date 1:28 26.71 n/a .000
01966# [RDY= 1.00 out<= 1.0 01:27 1.46 .094 No_date 1:28 26.71 n/a .000]
01967# [L/S= 79 / .522 / .035]
01968# *****
01969# R0099:CO0049-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
01970# ADD HYD 1.0 01:28 1.02 .068 No_date 1:27 26.67 n/a .000
01971# + 1.0 01:28 1.02 .068 No_date 1:27 26.67 n/a .000
01972# SUM= 1.0 01:28 1.02 .068 No_date 1:27 26.67 n/a .000
01973# R0099:CO0050-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
01974# ROUTE CHANNEL -> 1.0 01:27 1.46 .094 No_date 1:28 26.71 n/a .000
01975# [RDY= 1.00 out<= 1.0 01:27 1.46 .094 No_date 1:28 26.71 n/a .000]
01976# [L/S= 79 / .522 / .035]
01977# *****
01978# R0099:CO0051-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
01979# ADD HYD 1.0 01:28 1.02 .068 No_date 1:27 26.67 n/a .000
01980# + 1.0 01:28 1.02 .068 No_date 1:27 26.67 n/a .000
01981# SUM= 1.0 01:28 1.02 .068 No_date 1:27 26.67 n/a .000
01982# R0099:CO0052-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
01983# DESIGN STANDBYD 1.0 01:Site-Roof .07 .035 No_date 1:00 69.68 .972 .000
01984# [XIMP= 91:TMP= 99]
01985# [SLP= 50:DT= 1.00]
01986# *****
01987# R0099:CO0052-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
01988# ROUTE RESERVOIR -> 1.0 01:Site-Roof .07 .035 No_date 1:00 69.68 n/a .000
01989# out <= 1.0 01:Site-Roof-0u .07 .003 No_date 1:30 69.68 n/a .000
01990# overflow <= 1.0 01:Site-Roof-0u .00 .000 No_date 0:00 .00 n/a .000
01991# [MettoUsed=.3296E-02 n3, TotDurVol=.0000E+00 n3, N-Ovfr= 0, TotDurOvr= 0 hrs]
01992# R0099:CO0052-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
01993# ADD HYD 1.0 01:Site-81 .42 .146 No_date 1:00 51.46 .718 .000
01994# + 1.0 01:Site-Roof-0u .07 .003 No_date 1:30 69.68 n/a .000
01995# + 1.0 01:Site-Roof-0u .00 .000 No_date 0:00 .00 n/a .000
01996# SUM= 1.0 01:SITE1-IN .49 .148 No_date 1:00 54.06 n/a .000
01997# R0099:CO0052-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
01998# ROUTE RESERVOIR -> 1.0 01:SITE1-IN .49 .148 No_date 1:00 54.06 n/a .000
01999# out <= 1.0 01:SITE1-out .49 .014 No_date 1:41 54.06 n/a .000
02000# overflow <= 1.0 01:SITE1-out .00 .000 No_date 0:00 .00 n/a .000
02001# [MettoUsed=.1634E-01 n3, TotDurVol=.0000E+00 n3, N-Ovfr= 0, TotDurOvr= 0 hrs]
02002# *****
02003# # Site 2
02004# *****
02005# R0099:CO0052-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
02006# DESIGN STANDBYD 1.0 01:Site-83 .35 .121 No_date 1:00 51.06 .712 .000
02007# [XIMP= 47:TMP= 56]
02008# [SLP= 1.00DT= 1.00]
02009# *****
02010# # Site 2 - Roof
02011# *****
02012# R0099:CO0052-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
02013# ROUTE RESERVOIR -> 1.0 01:Site-Roof .09 .044 No_date 1:00 69.68 .972 .000
02014# [XIMP= 91:TMP= 99]
02015# [SLP= 50:DT= 1.00]
02016# *****
02017# R0099:CO0052-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
02018# ROUTE RESERVOIR -> 1.0 01:Site-Roof .09 .044 No_date 1:00 69.68 n/a .000
02019# out <= 1.0 01:Site-Roof-0u .09 .009 No_date 1:12 69.70 n/a .000
02020# overflow <= 1.0 01:Site-Roof-0u .00 .000 No_date 0:00 .00 n/a .000
02021# [MettoUsed=.3119E-02 n3, TotDurVol=.0000E+00 n3, N-Ovfr= 0, TotDurOvr= 0 hrs]
02022# R0099:CO0052-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
02023# ADD HYD 1.0 01:Site-83 .44 .129 No_date 1:00 54.87 n/a .000
02024# + 1.0 01:Site-Roof-0u .09 .009 No_date 1:12 69.70 n/a .000
02025# + 1.0 01:Site-Roof-0u .00 .000 No_date 0:00 .00 n/a .000
02026# SUM= 1.0 01:SITE2-IN .44 .129 No_date 1:00 54.87 n/a .000
02027# R0099:CO0052-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
02028# ROUTE RESERVOIR -> 1.0 01:SITE2-IN .44 .129 No_date 1:00 54.87 n/a .000
02029# out <= 1.0 01:SITE2-out .44 .018 No_date 1:39 54.87 n/a .000
02030# overflow <= 1.0 01:SITE2-out .00 .000 No_date 0:00 .00 n/a .000
02031# [MettoUsed=.1413E-01 n3, TotDurVol=.0000E+00 n3, N-Ovfr= 0, TotDurOvr= 0 hrs]
02032# R0099:CO0052-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
02033# ADD HYD 1.0 01:SITE1-Over .49 .014 No_date 1:41 54.06 n/a .000
02034# + 1.0 01:SITE1-Over .00 .000 No_date 0:00 .00 n/a .000
02035# SUM= 1.0 01:SITE1-Over .49 .014 No_date 1:41 54.06 n/a .000
02036# R0099:CO0052-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
02037# ADD HYD 1.0 01:SITE2-out .44 .018 No_date 1:39 54.87 n/a .000
02038# + 1.0 01:SITE2-out .00 .000 No_date 0:00 .00 n/a .000
02039# SUM= 1.0 01:SITE2-out .44 .018 No_date 1:39 54.87 n/a .000
02040# R0099:CO0052-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
02041# ADD HYD 1.0 01:SITE2 .28 .031 No_date 1:22 40.14 n/a .000
02042# + 1.0 01:Pre2_1 .01 .003 No_date 1:00 27.07 n/a .000
02043# + 1.0 01:SITE1-out .31 .014 No_date 1:41 54.06 n/a .000
02044# + 1.0 01:SITE2-out .44 .018 No_date 1:39 54.87 n/a .000
02045# SUM= 1.0 01:SITE1 .29 .032 No_date 1:27 40.14 n/a .000
02046# R0099:CO0052-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
02047# ROUTE CHANNEL -> 1.0 01:21 1.23 .060 No_date 1:27 50.84 n/a .000
02048# [RDY= 1.00 out<= 1.0 01:21 1.23 .059 No_date 1:32 50.84 n/a .000]
02049# [L/S= 143 / .394 / .035]
02050# *****
02051# R0099:CO0052-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
02052# ADD HYD 1.0 01:21 1.23 .059 No_date 1:32 50.84 n/a .000
02053# + 1.0 01:21 1.23 .059 No_date 1:32 50.84 n/a .000
02054# SUM= 1.0 01:21 1.23 .059 No_date 1:32 50.84 n/a .000
02055# R0099:CO0052-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
02056# ROUTE CHANNEL -> 1.0 01:22 5.00 .253 No_date 1:41 38.43 n/a .000
02057# [RDY= 1.00 out<= 1.0 01:22 5.00 .253 No_date 1:43 38.43 n/a .000]
02058# [L/S= 73 / .429 / .035]
02059# *****
02060# R0099:CO0052-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
02061# ADD HYD 1.0 01:22 5.00 .253 No_date 1:41 38.43 n/a .000
02062# + 1.0 01:22 5.00 .253 No_date 1:41 38.43 n/a .000
02063# SUM= 1.0 01:22 5.00 .253 No_date 1:41 38.43 n/a .000
02064# R0099:CO0052-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
02065# ROUTE CHANNEL -> 1.0 01:23 5.31 .271 No_date 1:39 38.14 n/a .000
02066# [RDY= 1.00 out<= 1.0 01:23 5.31 .270 No_date 1:39 38.14 n/a .000]
02067# [L/S= 92 / .274 / .043]
02068# *****
02069# R0099:CO0052-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
02070# ADD HYD 1.0 01:23 5.31 .271 No_date 1:39 38.14 n/a .000
02071# + 1.0 01:23 5.31 .271 No_date 1:39 38.14 n/a .000
02072# SUM= 1.0 01:23 5.31 .271 No_date 1:39 38.14 n/a .000
02073# R0099:CO0052-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
02074# ROUTE CHANNEL -> 1.0 01:24 5.90 .291 No_date 1:51 37.37 n/a .000
02075# [RDY= 1.00 out<= 1.0 01:24 5.90 .291 No_date 1:51 37.37 n/a .000]
02076# [L/S= 251 / .190 / .035]
02077# *****
02078# R0099:CO0052-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
02079# ADD HYD 1.0 01:24 5.90 .291 No_date 1:51 37.37 n/a .000
02080# + 1.0 01:24 5.90 .291 No_date 1:51 37.37 n/a .000
02081# SUM= 1.0 01:24 5.90 .291 No_date 1:51 37.37 n/a .000
02082# R0099:CO0052-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
02083# ROUTE CHANNEL -> 1.0 01:25 7.24 .381 No_date 1:46 37.72 n/a .000
02084# [RDY= 1.00 out<= 1.0 01:25 7.24 .377 No_date 1:50 37.72 n/a .000]
02085# [L/S= 237 / .644 / .035]
02086# *****
02087# R0099:CO0052-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
02088# ADD HYD 1.0 01:25 7.24 .381 No_date 1:46 37.72 n/a .000
02089# + 1.0 01:25 7.24 .381 No_date 1:46 37.72 n/a .000
02090# SUM= 1.0 01:25 7.24 .381 No_date 1:46 37.72 n/a .000
02091# R0099:CO0052-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
02092# ROUTE CHANNEL -> 1.0 01:26 1.02 .069 No_date 1:23 26.48 n/a .000
02093# [RDY= 1.00 out<= 1.0 01:26 1.02 .069 No_date 1:23 26.48 n/a .000]
02094# [L/S= 79 / .522 / .035]
02095# *****
02096# R0099:CO0052-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
02097# ADD HYD 1.0 01:26 1.02 .068 No_date 1:23 26.48 n/a .000
02098# + 1.0 01:26 1.02 .068 No_date 1:23 26.48 n/a .000
02099# SUM= 1.0 01:26 1.02 .068 No_date 1:23 26.48 n/a .000
02100# R0099:CO0052-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
02101# ROUTE CHANNEL -> 1.0 01:27 1.46 .094 No_date 1:28 26.71 n/a .000
02102# [RDY= 1.00 out<= 1.0 01:27 1.46 .094 No_date 1:28 26.71 n/a .000]
02103# [L/S= 79 / .522 / .035]
02104# *****
02105# R0099:CO0052-----Dtn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfcm
02106# ADD HYD 1.0 01:28 1.02 .068 No_date 1:27 26.67 n/a .000
02107# + 1.0 01:28 1.02 .068 No_date 1:27 26.67 n/a .000
02
```

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[illegible]

[illegible]

[illegible]

```
03601 *****
03602 * STORM
03603 *****
03604 ** END OF RUN : 198
03605
03606 .....
03607 .....
03608 .....
03609 .....
03610 .....
03611 .....
03612 RNN=COMMAND#
03613 R0199:C00001-----
03614 START
03615 [TZERO = 0.0 hrs on 0]
03616 [METOUT= 2 (1=imperial, 2=metric output)]
03617 [METOUT= 1]
03618 [NUN = 0199]
03619 .....
03620 * SWEVY= / INPUT DATA FILE
03621 *****
03622 * Project Name : [5923 Ottawa St]
03623 * Project Number: [P2710(e01)]
03624 * Date : [2025 April 28]
03625 * Modeler : [JFM]
03626 * Company : JFSA Canada Inc.
03627 * License # : 2549237
03628 .....
03629 * Model developed to simulate runoff from subcatchments under pre development conditions
03630 .....
03631 R0199:C00002-----
03632 READ STORM
03633 File name = STORM.001
03634 Catchment = 100 years SCM Type 2 Storm 24 hours step 10 min, City of Ottawa
03635 [EPA=10.00] [EPA= 24.00] [EPA= 184.73]
03636 *****
03637 R0199:C00003-----
03638 DEFAULT VALUES
03639 File name = C:\Temp\20250428-PostDev\Ottawa.val
03640 [CSEV= 1 (read and print data)]
03641 FileTitle= File comment: [Parameters for City of Ottawa Projects]
03642 .....
03643 Horton's infiltration equation parameters:
03644 [Fw=7.20 mm/hr] [Fw=13.20 mm/hr] [DCAV= 4.14 1/h] [r= .00 mm]
03645 Parameters for PERVIOUS surfaces in STANDWY:
03646 [IAPe= 4.67 mm] [LIP=40.00 m] [PMP= .250]
03647 Parameters for IMPVIOUS surfaces in STANDWY:
03648 [IAPm= 1.57 mm] [CLi= 1.50] [MINi= .013]
03649 Parameters used in NAWDY:
03650 [Fw= 4.67 mm] [R= 3.00]
03651 Average monthly Pan Evaporation data in (mm)
03652 JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
03653 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
03654 Average monthly Potential Evapotranspiration in (mm)
03655 JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
03656 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
03657 *****
03658 * EXT1
03659 R0199:C00004-----
03660 CALIB NAWDY 1.0 01:EXT1-----
03661 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03662 .....
03663 *****
03664 * EXT2
03665 R0199:C00005-----
03666 CALIB NAWDY 1.0 01:EXT2-----
03667 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03668 .....
03669 *****
03670 * EXT3
03671 R0199:C00006-----
03672 CALIB NAWDY 1.0 01:EXT3-----
03673 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03674 .....
03675 *****
03676 * EXT4
03677 R0199:C00007-----
03678 CALIB NAWDY 1.0 01:EXT4-----
03679 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03680 .....
03681 *****
03682 * EXT5
03683 R0199:C00008-----
03684 CALIB NAWDY 1.0 01:EXT5-----
03685 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03686 .....
03687 *****
03688 * EXT6
03689 R0199:C00009-----
03690 CALIB NAWDY 1.0 01:EXT6-----
03691 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03692 .....
03693 *****
03694 * EXT7
03695 R0199:C00010-----
03696 CALIB NAWDY 1.0 01:EXT7-----
03697 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03698 .....
03699 *****
03700 * EXT8
03701 R0199:C00011-----
03702 CALIB NAWDY 1.0 01:EXT8-----
03703 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03704 .....
03705 *****
03706 * EXT9
03707 R0199:C00012-----
03708 CALIB NAWDY 1.0 01:EXT9-----
03709 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03710 .....
03711 *****
03712 * EXT10
03713 R0199:C00013-----
03714 CALIB NAWDY 1.0 01:EXT10-----
03715 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03716 .....
03717 *****
03718 * EXT11
03719 R0199:C00014-----
03720 CALIB NAWDY 1.0 01:EXT11-----
03721 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03722 .....
03723 *****
03724 * EXT12
03725 R0199:C00015-----
03726 CALIB NAWDY 1.0 01:EXT12-----
03727 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03728 .....
03729 *****
03730 * EXT13
03731 R0199:C00016-----
03732 CALIB NAWDY 1.0 01:EXT13-----
03733 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03734 .....
03735 *****
03736 * EXT14
03737 R0199:C00017-----
03738 CALIB NAWDY 1.0 01:EXT14-----
03739 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03740 .....
03741 *****
03742 * EXT15
03743 R0199:C00018-----
03744 CALIB NAWDY 1.0 01:EXT15-----
03745 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03746 .....
03747 *****
03748 * EXT16
03749 R0199:C00019-----
03750 CALIB NAWDY 1.0 01:EXT16-----
03751 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03752 .....
03753 *****
03754 * EXT17
03755 R0199:C00020-----
03756 CALIB NAWDY 1.0 01:EXT17-----
03757 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03758 .....
03759 *****
03760 * EXT18
03761 R0199:C00021-----
03762 CALIB NAWDY 1.0 01:EXT18-----
03763 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03764 .....
03765 *****
03766 * EXT19
03767 R0199:C00022-----
03768 CALIB NAWDY 1.0 01:EXT19-----
03769 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03770 .....
03771 *****
03772 * EXT20
03773 R0199:C00023-----
03774 CALIB NAWDY 1.0 01:EXT20-----
03775 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03776 .....
03777 *****
03778 * EXT21
03779 R0199:C00024-----
03780 CALIB NAWDY 1.0 01:EXT21-----
03781 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03782 .....
03783 *****
03784 * EXT22
03785 R0199:C00025-----
03786 CALIB NAWDY 1.0 01:EXT22-----
03787 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03788 .....
03789 *****
03790 * EXT23
03791 R0199:C00026-----
03792 CALIB NAWDY 1.0 01:EXT23-----
03793 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03794 .....
03795 *****
03796 * EXT24
03797 R0199:C00027-----
03798 CALIB NAWDY 1.0 01:EXT24-----
03799 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03800 .....
03801 *****
03802 * EXT25
03803 R0199:C00028-----
03804 CALIB NAWDY 1.0 01:EXT25-----
03805 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03806 .....
03807 *****
03808 * EXT26
03809 R0199:C00029-----
03810 CALIB NAWDY 1.0 01:EXT26-----
03811 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03812 .....
03813 *****
03814 * EXT27
03815 R0199:C00030-----
03816 CALIB NAWDY 1.0 01:EXT27-----
03817 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03818 .....
03819 *****
03820 * EXT28
03821 R0199:C00031-----
03822 CALIB NAWDY 1.0 01:EXT28-----
03823 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03824 .....
03825 *****
03826 * EXT29
03827 R0199:C00032-----
03828 CALIB NAWDY 1.0 01:EXT29-----
03829 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03830 .....
03831 *****
03832 * EXT30
03833 R0199:C00033-----
03834 CALIB NAWDY 1.0 01:EXT30-----
03835 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03836 .....
03837 *****
03838 * EXT31
03839 R0199:C00034-----
03840 CALIB NAWDY 1.0 01:EXT31-----
03841 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03842 .....
03843 *****
03844 * EXT32
03845 R0199:C00035-----
03846 CALIB NAWDY 1.0 01:EXT32-----
03847 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03848 .....
03849 *****
03850 * EXT33
03851 R0199:C00036-----
03852 CALIB NAWDY 1.0 01:EXT33-----
03853 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03854 .....
03855 *****
03856 * EXT34
03857 R0199:C00037-----
03858 CALIB NAWDY 1.0 01:EXT34-----
03859 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03860 .....
03861 *****
03862 * EXT35
03863 R0199:C00038-----
03864 CALIB NAWDY 1.0 01:EXT35-----
03865 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03866 .....
03867 *****
03868 * EXT36
03869 R0199:C00039-----
03870 CALIB NAWDY 1.0 01:EXT36-----
03871 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03872 .....
03873 *****
03874 * EXT37
03875 R0199:C00040-----
03876 CALIB NAWDY 1.0 01:EXT37-----
03877 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03878 .....
03879 *****
03880 * EXT38
03881 R0199:C00041-----
03882 CALIB NAWDY 1.0 01:EXT38-----
03883 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03884 .....
03885 *****
03886 * EXT39
03887 R0199:C00042-----
03888 CALIB NAWDY 1.0 01:EXT39-----
03889 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03890 .....
03891 *****
03892 * EXT40
03893 R0199:C00043-----
03894 CALIB NAWDY 1.0 01:EXT40-----
03895 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03896 .....
03897 *****
03898 * EXT41
03899 R0199:C00044-----
03900 CALIB NAWDY 1.0 01:EXT41-----
03901 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03902 .....
03903 *****
03904 * EXT42
03905 R0199:C00045-----
03906 CALIB NAWDY 1.0 01:EXT42-----
03907 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03908 .....
03909 *****
03910 * EXT43
03911 R0199:C00046-----
03912 CALIB NAWDY 1.0 01:EXT43-----
03913 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03914 .....
03915 *****
03916 * EXT44
03917 R0199:C00047-----
03918 CALIB NAWDY 1.0 01:EXT44-----
03919 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03920 .....
03921 *****
03922 * EXT45
03923 R0199:C00048-----
03924 CALIB NAWDY 1.0 01:EXT45-----
03925 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03926 .....
03927 *****
03928 * EXT46
03929 R0199:C00049-----
03930 CALIB NAWDY 1.0 01:EXT46-----
03931 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03932 .....
03933 *****
03934 * EXT47
03935 R0199:C00050-----
03936 CALIB NAWDY 1.0 01:EXT47-----
03937 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03938 .....
03939 *****
03940 * EXT48
03941 R0199:C00051-----
03942 CALIB NAWDY 1.0 01:EXT48-----
03943 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03944 .....
03945 *****
03946 * EXT49
03947 R0199:C00052-----
03948 CALIB NAWDY 1.0 01:EXT49-----
03949 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03950 .....
03951 *****
03952 * EXT50
03953 R0199:C00053-----
03954 CALIB NAWDY 1.0 01:EXT50-----
03955 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03956 .....
03957 *****
03958 * EXT51
03959 R0199:C00054-----
03960 CALIB NAWDY 1.0 01:EXT51-----
03961 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03962 .....
03963 *****
03964 * EXT52
03965 R0199:C00055-----
03966 CALIB NAWDY 1.0 01:EXT52-----
03967 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03968 .....
03969 *****
03970 * EXT53
03971 R0199:C00056-----
03972 CALIB NAWDY 1.0 01:EXT53-----
03973 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03974 .....
03975 *****
03976 * EXT54
03977 R0199:C00057-----
03978 CALIB NAWDY 1.0 01:EXT54-----
03979 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03980 .....
03981 *****
03982 * EXT55
03983 R0199:C00058-----
03984 CALIB NAWDY 1.0 01:EXT55-----
03985 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03986 .....
03987 *****
03988 * EXT56
03989 R0199:C00059-----
03990 CALIB NAWDY 1.0 01:EXT56-----
03991 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03992 .....
03993 *****
03994 * EXT57
03995 R0199:C00060-----
03996 CALIB NAWDY 1.0 01:EXT57-----
03997 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
03998 .....
03999 *****
04000 * EXT58
04001 R0199:C00061-----
04002 CALIB NAWDY 1.0 01:EXT58-----
04003 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
04004 .....
04005 *****
04006 * EXT59
04007 R0199:C00062-----
04008 CALIB NAWDY 1.0 01:EXT59-----
04009 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
04010 .....
04011 *****
04012 * EXT60
04013 R0199:C00063-----
04014 CALIB NAWDY 1.0 01:EXT60-----
04015 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
04016 .....
04017 *****
04018 * EXT61
04019 R0199:C00064-----
04020 CALIB NAWDY 1.0 01:EXT61-----
04021 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
04022 .....
04023 *****
04024 * EXT62
04025 R0199:C00065-----
04026 CALIB NAWDY 1.0 01:EXT62-----
04027 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
04028 .....
04029 *****
04030 * EXT63
04031 R0199:C00066-----
04032 CALIB NAWDY 1.0 01:EXT63-----
04033 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
04034 .....
04035 *****
04036 * EXT64
04037 R0199:C00067-----
04038 CALIB NAWDY 1.0 01:EXT64-----
04039 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
04040 .....
04041 *****
04042 * EXT65
04043 R0199:C00068-----
04044 CALIB NAWDY 1.0 01:EXT65-----
04045 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
04046 .....
04047 *****
04048 * EXT66
04049 R0199:C00069-----
04050 CALIB NAWDY 1.0 01:EXT66-----
04051 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
04052 .....
04053 *****
04054 * EXT67
04055 R0199:C00070-----
04056 CALIB NAWDY 1.0 01:EXT67-----
04057 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
04058 .....
04059 *****
04060 * EXT68
04061 R0199:C00071-----
04062 CALIB NAWDY 1.0 01:EXT68-----
04063 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
04064 .....
04065 *****
04066 * EXT69
04067 R0199:C00072-----
04068 CALIB NAWDY 1.0 01:EXT69-----
04069 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
04070 .....
04071 *****
04072 * EXT70
04073 R0199:C00073-----
04074 CALIB NAWDY 1.0 01:EXT70-----
04075 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
04076 .....
04077 *****
04078 * EXT71
04079 R0199:C00074-----
04080 CALIB NAWDY 1.0 01:EXT71-----
04081 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
04082 .....
04083 *****
04084 * EXT72
04085 R0199:C00075-----
04086 CALIB NAWDY 1.0 01:EXT72-----
04087 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
04088 .....
04089 *****
04090 * EXT73
04091 R0199:C00076-----
04092 CALIB NAWDY 1.0 01:EXT73-----
04093 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
04094 .....
04095 *****
04096 * EXT74
04097 R0199:C00077-----
04098 CALIB NAWDY 1.0 01:EXT74-----
04099 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
04100 .....
04101 *****
04102 * EXT75
04103 R0199:C00078-----
04104 CALIB NAWDY 1.0 01:EXT75-----
04105 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
04106 .....
04107 *****
04108 * EXT76
04109 R0199:C00079-----
04110 CALIB NAWDY 1.0 01:EXT76-----
04111 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
04112 .....
04113 *****
04114 * EXT77
04115 R0199:C00080-----
04116 CALIB NAWDY 1.0 01:EXT77-----
04117 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
04118 .....
04119 *****
04120 * EXT78
04121 R0199:C00081-----
04122 CALIB NAWDY 1.0 01:EXT78-----
04123 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
04124 .....
04125 *****
04126 * EXT79
04127 R0199:C00082-----
04128 CALIB NAWDY 1.0 01:EXT79-----
04129 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
04130 .....
04131 *****
04132 * EXT80
04133 R0199:C00083-----
04134 CALIB NAWDY 1.0 01:EXT80-----
04135 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
04136 .....
04137 *****
04138 * EXT81
04139 R0199:C00084-----
04140 CALIB NAWDY 1.0 01:EXT81-----
04141 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
04142 .....
04143 *****
04144 * EXT82
04145 R0199:C00085-----
04146 CALIB NAWDY 1.0 01:EXT82-----
04147 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
04148 .....
04149 *****
04150 * EXT83
04151 R0199:C00086-----
04152 CALIB NAWDY 1.0 01:EXT83-----
04153 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
04154 .....
04155 *****
04156 * EXT84
04157 R0199:C00087-----
04158 CALIB NAWDY 1.0 01:EXT84-----
04159 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
04160 .....
04161 *****
04162 * EXT85
04163 R0199:C00088-----
04164 CALIB NAWDY 1.0 01:EXT85-----
04165 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
04166 .....
04167 *****
04168 * EXT86
04169 R0199:C00089-----
04170 CALIB NAWDY 1.0 01:EXT86-----
04171 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
04172 .....
04173 *****
04174 * EXT87
04175 R0199:C00090-----
04176 CALIB NAWDY 1.0 01:EXT87-----
04177 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
04178 .....
04179 *****
04180 * EXT88
04181 R0199:C00091-----
04182 CALIB NAWDY 1.0 01:EXT88-----
04183 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
04184 .....
04185 *****
04186 * EXT89
04187 R0199:C00092-----
04188 CALIB NAWDY 1.0 01:EXT89-----
04189 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
04190 .....
04191 *****
04192 * EXT90
04193 R0199:C00093-----
04194 CALIB NAWDY 1.0 01:EXT90-----
04195 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
04196 .....
04197 *****
04198 * EXT91
04199 R0199:C00094-----
04200 CALIB NAWDY 1.0 01:EXT91-----
04201 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
04202 .....
04203 *****
04204 * EXT92
04205 R0199:C00095-----
04206 CALIB NAWDY 1.0 01:EXT92-----
04207 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
04208 .....
04209 *****
04210 * EXT93
04211 R0199:C00096-----
04212 CALIB NAWDY 1.0 01:EXT93-----
04213 [Fw= 3.00] [R= 3.00] [IAP= 4.67 mm] [LIP= 40.00 m] [PMP= .250]
04214 .....
042
```

```
03961: *** WARNING: Time step is too large for value of TP. RV may be ok. Peak flow could be off.
03962: R0125:C00015 ROUTE PIPE ->
03963: *** WARNING: New pipe size used for routing.
03964: R0050:C00015 CALIB NASHVD
03965: *** WARNING: Time step is too large for value of TP. RV may be ok. Peak flow could be off.
03966: R0050:C00016 CALIB NASHVD
03967: *** WARNING: Time step is too large for value of TP. RV may be ok. Peak flow could be off.
03968: R0050:C00018 CALIB NASHVD
03969: *** WARNING: Time step is too large for value of TP. RV may be ok. Peak flow could be off.
03970: R0099:C00051 ROUTE PIPE ->
03971: *** WARNING: New pipe size used for routing.
03972: R0099:C00015 CALIB NASHVD
03973: *** WARNING: Time step is too large for value of TP. RV may be ok. Peak flow could be off.
03974: R0099:C00016 CALIB NASHVD
03975: *** WARNING: Time step is too large for value of TP. RV may be ok. Peak flow could be off.
03976: R0099:C00018 CALIB NASHVD
03977: *** WARNING: Time step is too large for value of TP. RV may be ok. Peak flow could be off.
03978: R0099:C00051 ROUTE PIPE ->
03979: *** WARNING: New pipe size used for routing.
03980: R0102:C00015 CALIB NASHVD
03981: *** WARNING: Time step is too large for value of TP. RV may be ok. Peak flow could be off.
03982: R0102:C00016 CALIB NASHVD
03983: *** WARNING: Time step is too large for value of TP. RV may be ok. Peak flow could be off.
03984: R0102:C00018 CALIB NASHVD
03985: *** WARNING: Time step is too large for value of TP. RV may be ok. Peak flow could be off.
03986: R0102:C00051 ROUTE PIPE ->
03987: *** WARNING: New pipe size used for routing.
03988: R0105:C00015 CALIB NASHVD
03989: *** WARNING: Time step is too large for value of TP. RV may be ok. Peak flow could be off.
03990: R0105:C00016 CALIB NASHVD
03991: *** WARNING: Time step is too large for value of TP. RV may be ok. Peak flow could be off.
03992: R0105:C00018 CALIB NASHVD
03993: *** WARNING: Time step is too large for value of TP. RV may be ok. Peak flow could be off.
03994: R0105:C00051 ROUTE PIPE ->
03995: *** WARNING: New pipe size used for routing.
03996: R0110:C00015 CALIB NASHVD
03997: *** WARNING: Time step is too large for value of TP. RV may be ok. Peak flow could be off.
03998: R0110:C00016 CALIB NASHVD
03999: *** WARNING: Time step is too large for value of TP. RV may be ok. Peak flow could be off.
04000: R0110:C00018 CALIB NASHVD
04001: *** WARNING: Time step is too large for value of TP. RV may be ok. Peak flow could be off.
04002: R0110:C00051 ROUTE PIPE ->
04003: *** WARNING: New pipe size used for routing.
04004: R0125:C00015 CALIB NASHVD
04005: *** WARNING: Time step is too large for value of TP. RV may be ok. Peak flow could be off.
04006: R0125:C00016 CALIB NASHVD
04007: *** WARNING: Time step is too large for value of TP. RV may be ok. Peak flow could be off.
04008: R0125:C00018 CALIB NASHVD
04009: *** WARNING: Time step is too large for value of TP. RV may be ok. Peak flow could be off.
04010: R0125:C00051 ROUTE PIPE ->
04011: *** WARNING: New pipe size used for routing.
04012: R0150:C00015 CALIB NASHVD
04013: *** WARNING: Time step is too large for value of TP. RV may be ok. Peak flow could be off.
04014: R0150:C00016 CALIB NASHVD
04015: *** WARNING: Time step is too large for value of TP. RV may be ok. Peak flow could be off.
04016: R0150:C00018 CALIB NASHVD
04017: *** WARNING: Time step is too large for value of TP. RV may be ok. Peak flow could be off.
04018: R0150:C00051 ROUTE PIPE ->
04019: *** WARNING: New pipe size used for routing.
04020: R0199:C00015 CALIB NASHVD
04021: *** WARNING: Time step is too large for value of TP. RV may be ok. Peak flow could be off.
04022: R0199:C00016 CALIB NASHVD
04023: *** WARNING: Time step is too large for value of TP. RV may be ok. Peak flow could be off.
04024: R0199:C00018 CALIB NASHVD
04025: *** WARNING: Time step is too large for value of TP. RV may be ok. Peak flow could be off.
04026: R0199:C00051 ROUTE PIPE ->
04027: *** WARNING: New pipe size used for routing.
04028: Simulation ended on 2025-06-02 at 18:47:34
04029: =====
04030:
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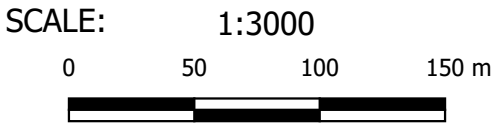

Attachment C

Hydraulic Analysis



Legend

- Site Boundary
- Jock River Tributary
- HEC-RAS Cross Sections
- Centerline



5923 Ottawa St – Richmond

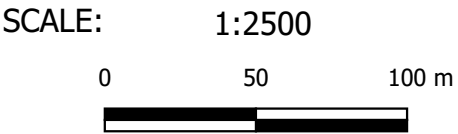
Figure C1: HEC-RAS Cross Sections

PROJECT	P2710(e01)
DRAWN	MM
DATE	5 June 2025



Legend

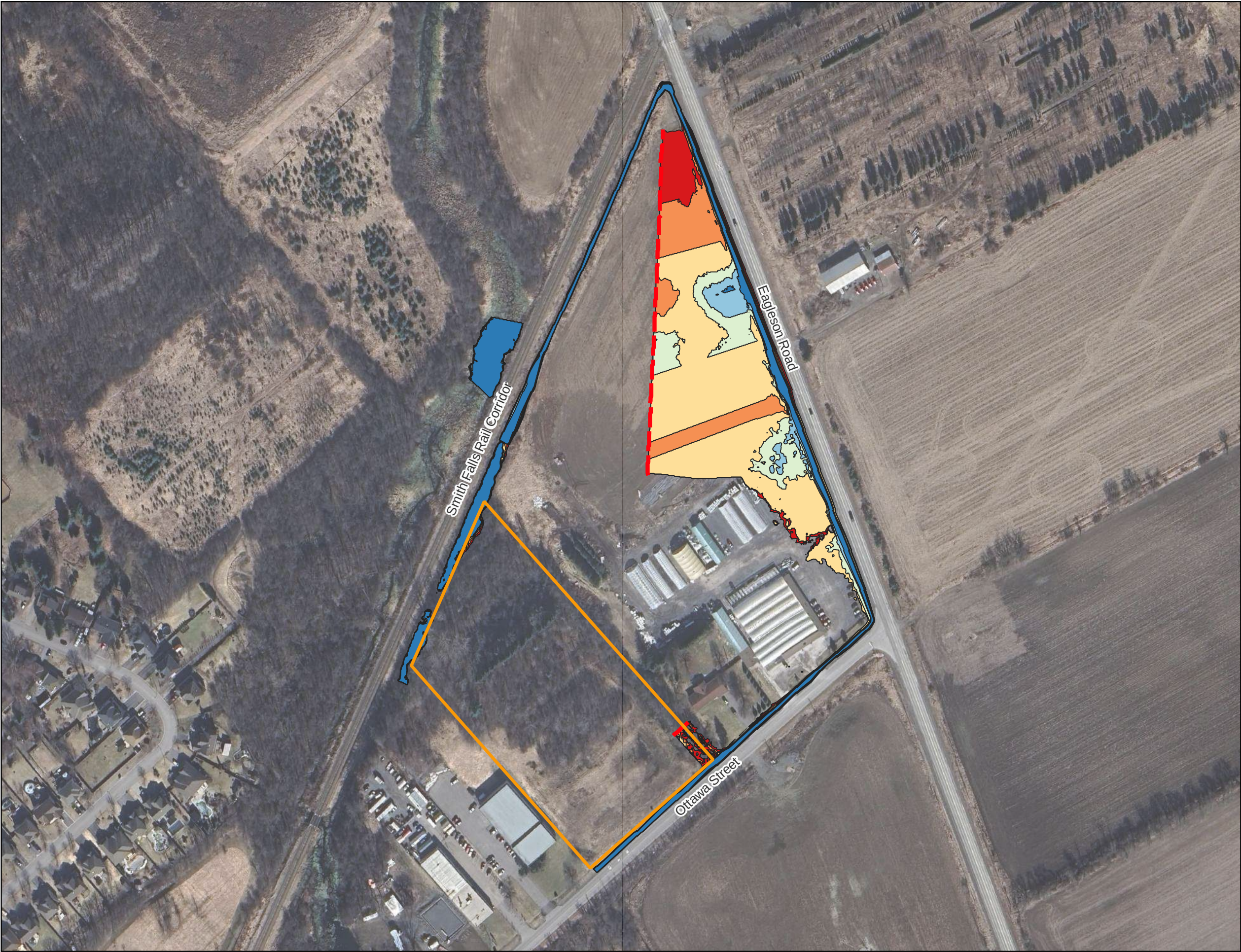
- Site Boundary
- Pre-Development Flood Extents
 - 2YrSCS24Hr
 - 5YrSCS24Hr
 - 10YrSCS24Hr
 - 25YrSCS24Hr
 - 50YrSCS24Hr
 - 100YrSCS24Hr
- Spill Line



5923 Ottawa St - Richmond

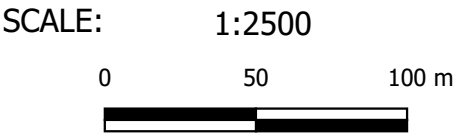
Figure C2: Pre-Development Flood Extents

PROJECT	P2719(e01)
DRAWN	BT
DATE	5 June 2025



Legend

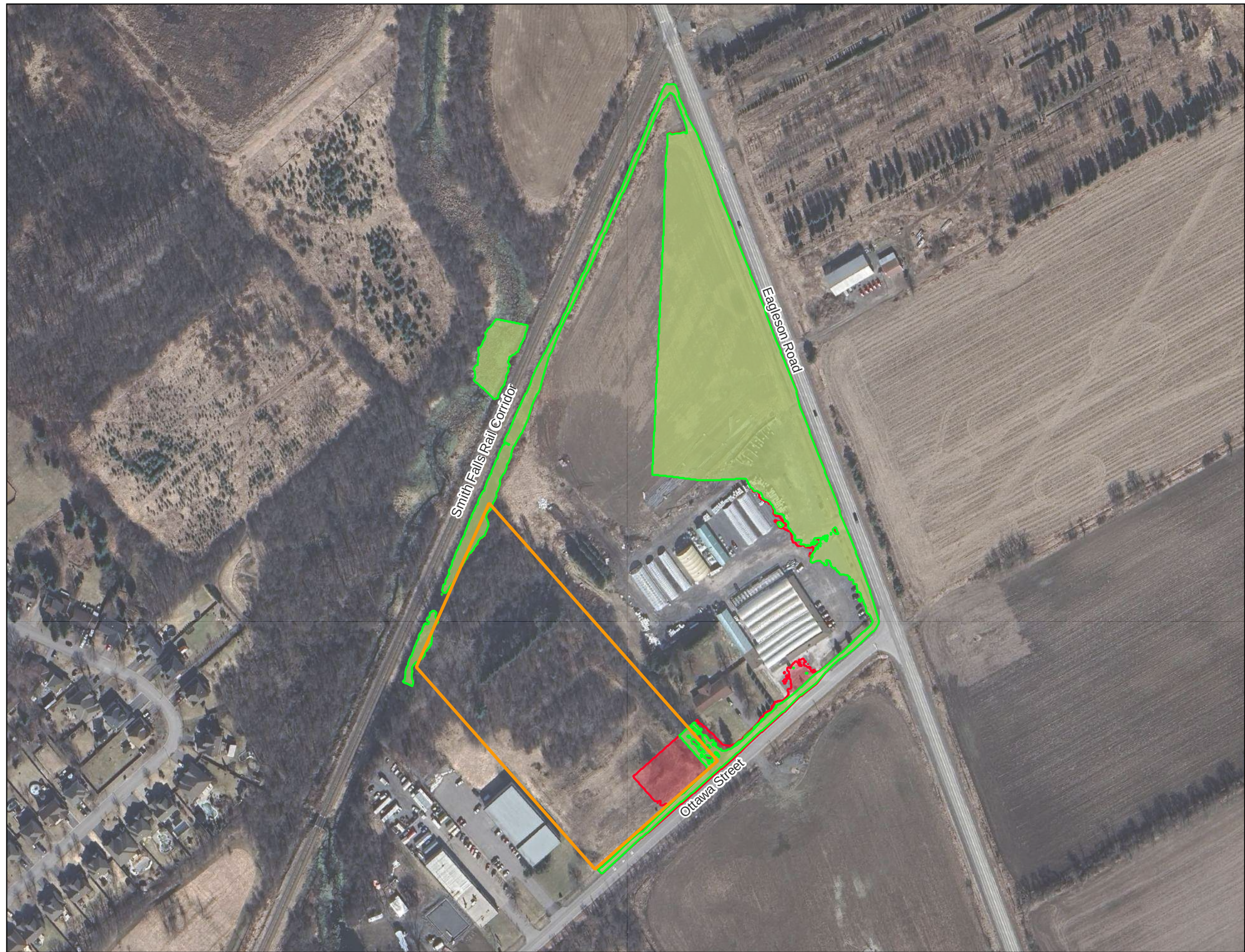
- Site Boundary
- Post-Development Flood Extents
 - 2YrSCS24Hr
 - 5YrSCS24Hr
 - 10YrSCS24Hr
 - 25YrSCS24Hr
 - 50YrSCS24Hr
 - 100YrSCS24Hr
- Spill Line



5923 Ottawa St - Richmond

Figure C3: Post-Development Flood Extents

PROJECT	P2719(e01)
DRAWN	BT
DATE	5 June 2025



Legend

-  Site Boundary
-  Pre-Development 100yr
-  Post-Development 100yr

SCALE: 1:2500

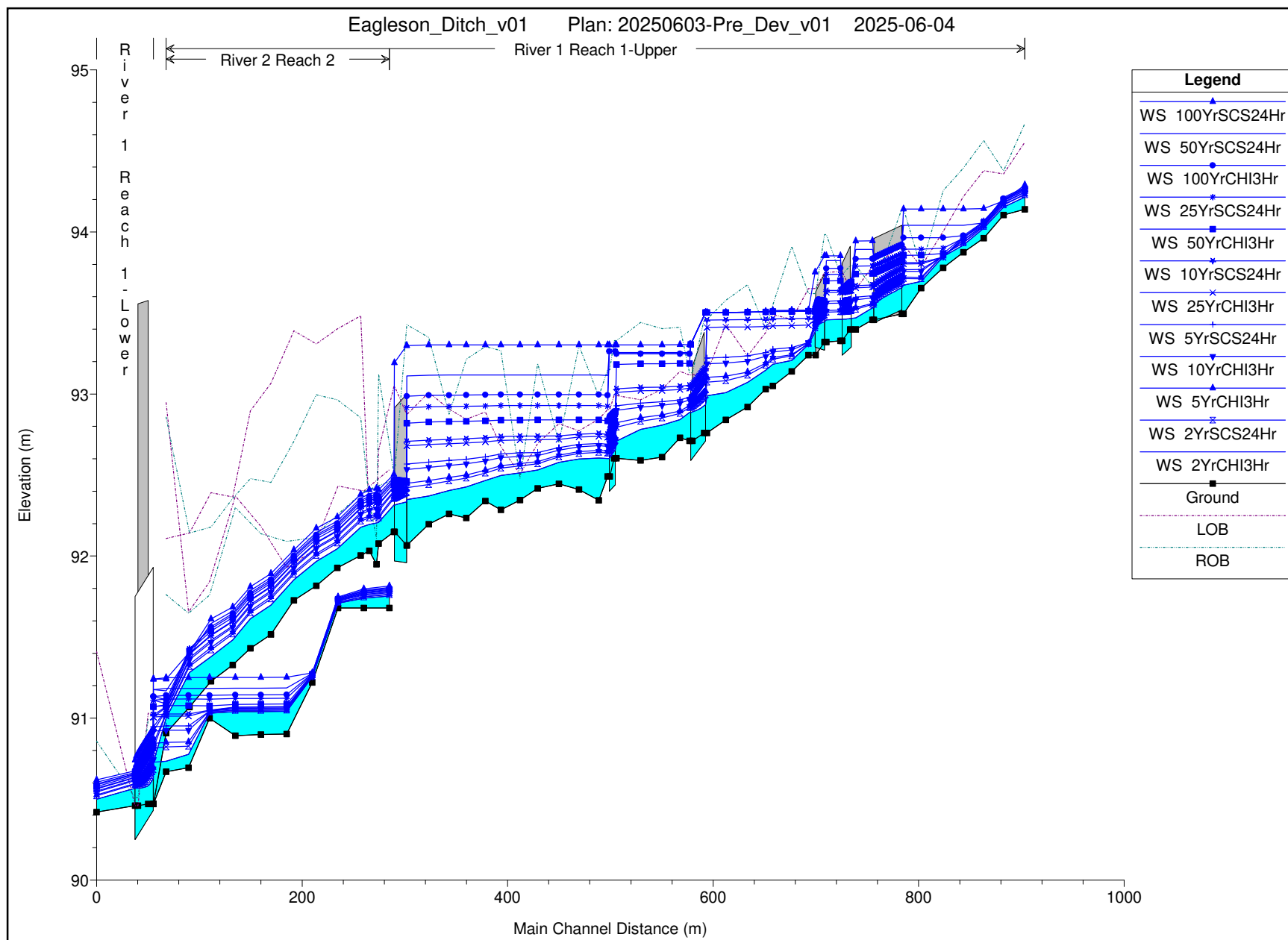
0 50 100 m

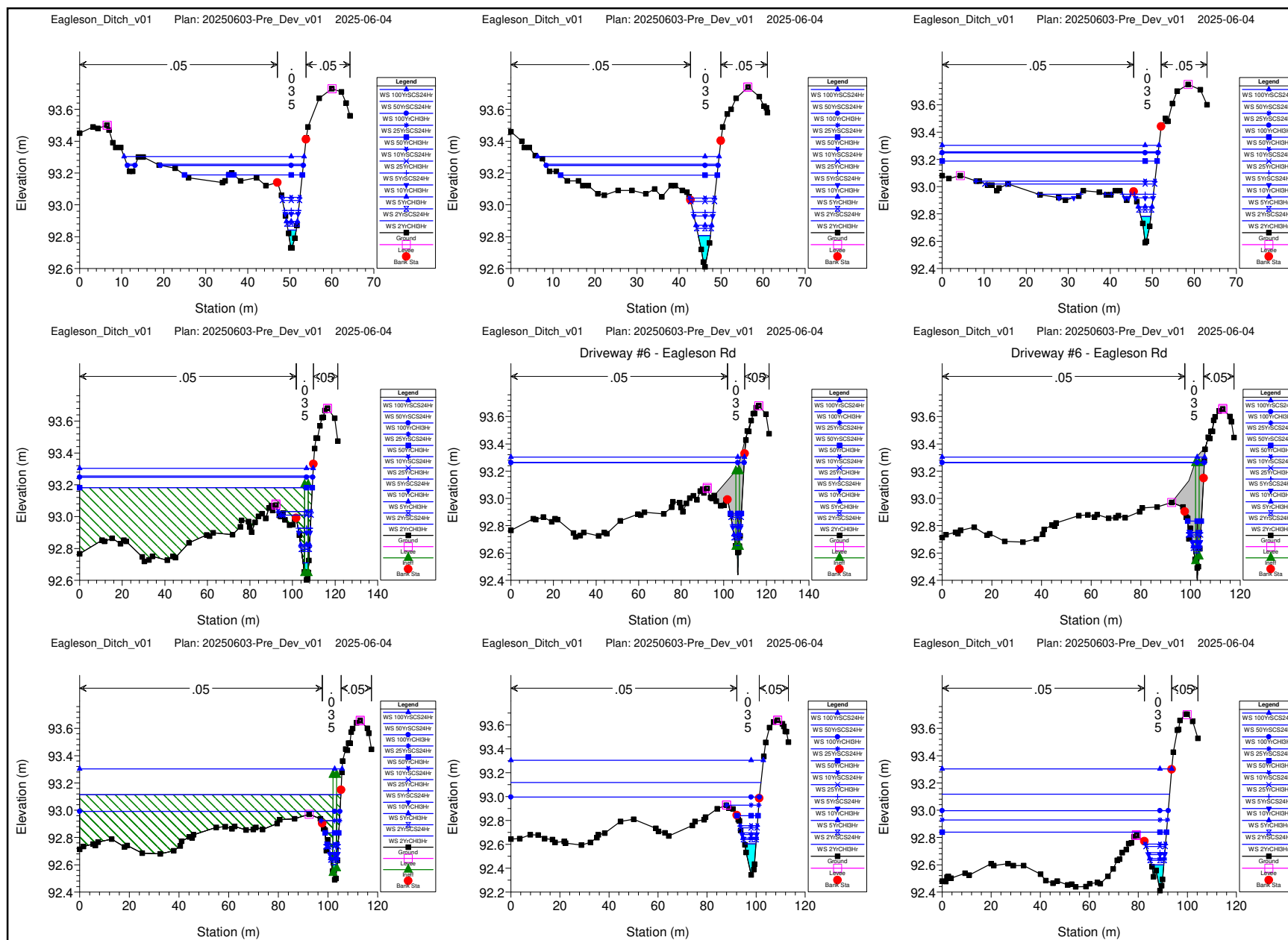


5923 Ottawa St - Richmond

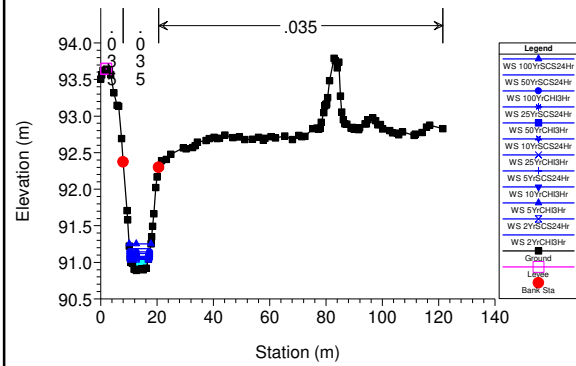
Figure C4: 100-yr Floodplain Extents Comparison

PROJECT	P2719(e01)
DRAWN	BT
DATE	5 June 2025

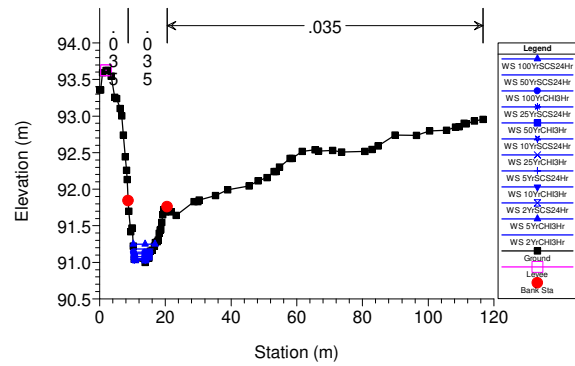




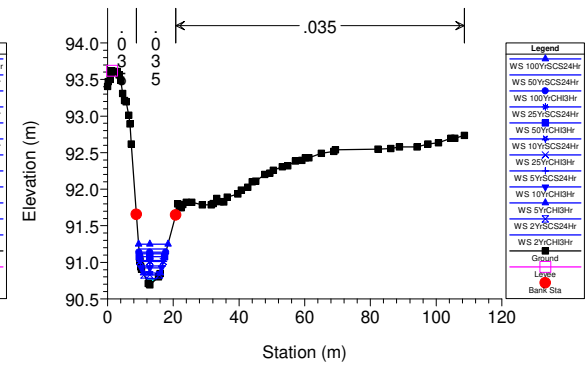
Eagleson_Ditch_v01 Plan: 20250603-Pre_Dev_v01 2025-06-04



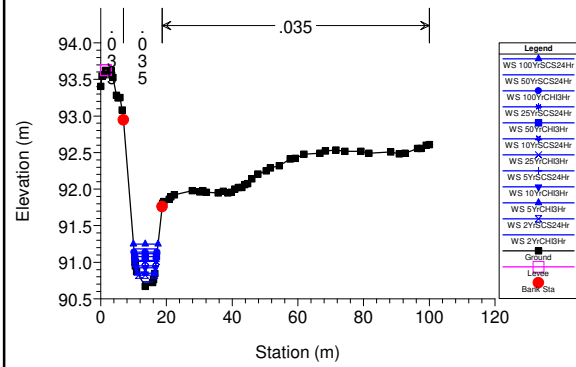
Eagleson_Ditch_v01 Plan: 20250603-Pre_Dev_v01 2025-06-04



Eagleson_Ditch_v01 Plan: 20250603-Pre_Dev_v01 2025-06-04



Eagleson_Ditch_v01 Plan: 20250603-Pre_Dev_v01 2025-06-04



River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
River 2	Reach 2	224	2YrCHI3Hr	0.02	91.68	91.75	91.71	91.75	0.000626	0.08	0.20	5.09	0.13
River 2	Reach 2	224	5YrCHI3Hr	0.03	91.68	91.76	91.72	91.76	0.000730	0.10	0.26	5.99	0.15
River 2	Reach 2	224	10YrCHI3Hr	0.03	91.68	91.77	91.72	91.77	0.000742	0.11	0.32	6.48	0.15
River 2	Reach 2	224	25YrCHI3Hr	0.05	91.68	91.78	91.73	91.79	0.000756	0.12	0.39	6.61	0.16
River 2	Reach 2	224	50YrCHI3Hr	0.06	91.68	91.79	91.73	91.79	0.000763	0.13	0.44	6.71	0.16
River 2	Reach 2	224	100YrCHI3Hr	0.07	91.68	91.80	91.74	91.80	0.000773	0.14	0.50	6.81	0.16
River 2	Reach 2	224	2YrSCS24Hr	0.02	91.68	91.76	91.72	91.76	0.000717	0.09	0.25	5.79	0.14
River 2	Reach 2	224	5YrSCS24Hr	0.04	91.68	91.78	91.73	91.78	0.000753	0.11	0.35	6.53	0.15
River 2	Reach 2	224	10YrSCS24Hr	0.05	91.68	91.79	91.73	91.79	0.000757	0.12	0.41	6.65	0.16
River 2	Reach 2	224	25YrSCS24Hr	0.07	91.68	91.80	91.74	91.80	0.000769	0.14	0.48	6.78	0.16
River 2	Reach 2	224	50YrSCS24Hr	0.08	91.68	91.81	91.74	91.81	0.000794	0.15	0.54	6.88	0.17
River 2	Reach 2	224	100YrSCS24Hr	0.09	91.68	91.81	91.75	91.82	0.000800	0.16	0.60	6.99	0.17
River 2	Reach 2	199	2YrCHI3Hr	0.02	91.68	91.74	91.71	91.74	0.000450	0.07	0.24	6.76	0.11
River 2	Reach 2	199	5YrCHI3Hr	0.03	91.68	91.75	91.71	91.75	0.000479	0.08	0.31	6.96	0.12
River 2	Reach 2	199	10YrCHI3Hr	0.03	91.68	91.76	91.71	91.76	0.000481	0.09	0.38	7.14	0.12
River 2	Reach 2	199	25YrCHI3Hr	0.05	91.68	91.77	91.72	91.77	0.000549	0.10	0.45	7.32	0.13
River 2	Reach 2	199	50YrCHI3Hr	0.06	91.68	91.78	91.72	91.78	0.000569	0.11	0.50	7.42	0.14
River 2	Reach 2	199	100YrCHI3Hr	0.07	91.68	91.78	91.73	91.78	0.000591	0.12	0.56	7.51	0.14
River 2	Reach 2	199	2YrSCS24Hr	0.02	91.68	91.75	91.71	91.75	0.000474	0.08	0.30	6.91	0.12
River 2	Reach 2	199	5YrSCS24Hr	0.04	91.68	91.76	91.72	91.76	0.000522	0.10	0.41	7.20	0.13
River 2	Reach 2	199	10YrSCS24Hr	0.05	91.68	91.77	91.72	91.77	0.000558	0.11	0.47	7.37	0.14
River 2	Reach 2	199	25YrSCS24Hr	0.07	91.68	91.78	91.72	91.78	0.000582	0.12	0.55	7.49	0.14
River 2	Reach 2	199	50YrSCS24Hr	0.08	91.68	91.79	91.73	91.79	0.000628	0.13	0.60	7.57	0.15
River 2	Reach 2	199	100YrSCS24Hr	0.09	91.68	91.80	91.73	91.80	0.000634	0.14	0.66	7.67	0.15
River 2	Reach 2	174	2YrCHI3Hr	0.02	91.68	91.71	91.70	91.71	0.009341	0.22	0.07	3.33	0.47
River 2	Reach 2	174	5YrCHI3Hr	0.03	91.68	91.71	91.70	91.72	0.010728	0.27	0.09	3.51	0.52
River 2	Reach 2	174	10YrCHI3Hr	0.03	91.68	91.72	91.71	91.73	0.009147	0.28	0.12	3.68	0.49
River 2	Reach 2	174	25YrCHI3Hr	0.05	91.68	91.73	91.72	91.73	0.010482	0.33	0.14	3.80	0.54
River 2	Reach 2	174	50YrCHI3Hr	0.06	91.68	91.73	91.72	91.74	0.010789	0.35	0.16	3.90	0.56
River 2	Reach 2	174	100YrCHI3Hr	0.07	91.68	91.74	91.72	91.75	0.011338	0.38	0.18	3.99	0.58
River 2	Reach 2	174	2YrSCS24Hr	0.02	91.68	91.71	91.70	91.72	0.009099	0.24	0.09	3.51	0.48
River 2	Reach 2	174	5YrSCS24Hr	0.04	91.68	91.73	91.71	91.73	0.009102	0.29	0.13	3.75	0.50
River 2	Reach 2	174	10YrSCS24Hr	0.05	91.68	91.73	91.72	91.74	0.010830	0.34	0.15	3.84	0.55
River 2	Reach 2	174	25YrSCS24Hr	0.07	91.68	91.74	91.72	91.74	0.010024	0.36	0.18	4.01	0.55
River 2	Reach 2	174	50YrSCS24Hr	0.08	91.68	91.74	91.73	91.75	0.010794	0.40	0.20	4.08	0.57
River 2	Reach 2	174	100YrSCS24Hr	0.09	91.68	91.75	91.73	91.76	0.010716	0.42	0.22	4.15	0.58
River 2	Reach 2	149	2YrCHI3Hr	0.02	91.22	91.25	91.25	91.26	0.049600	0.35	0.05	3.45	0.99
River 2	Reach 2	149	5YrCHI3Hr	0.03	91.22	91.26	91.26	91.27	0.037267	0.35	0.07	4.39	0.89
River 2	Reach 2	149	10YrCHI3Hr	0.03	91.22	91.26	91.26	91.27	0.052915	0.44	0.08	4.47	1.07
River 2	Reach 2	149	25YrCHI3Hr	0.05	91.22	91.27	91.27	91.28	0.039832	0.45	0.10	4.68	0.97
River 2	Reach 2	149	50YrCHI3Hr	0.06	91.22	91.27	91.27	91.28	0.037244	0.47	0.12	4.80	0.95
River 2	Reach 2	149	100YrCHI3Hr	0.07	91.22	91.27	91.27	91.29	0.034157	0.49	0.14	4.94	0.93
River 2	Reach 2	149	2YrSCS24Hr	0.02	91.22	91.26	91.26	91.26	0.052399	0.39	0.06	3.96	1.03
River 2	Reach 2	149	5YrSCS24Hr	0.04	91.22	91.26	91.26	91.27	0.052134	0.46	0.08	4.53	1.07
River 2	Reach 2	149	10YrSCS24Hr	0.05	91.22	91.27	91.27	91.28	0.037535	0.46	0.11	4.74	0.95
River 2	Reach 2	149	25YrSCS24Hr	0.07	91.22	91.27	91.27	91.29	0.044620	0.53	0.13	4.83	1.05
River 2	Reach 2	149	50YrSCS24Hr	0.08	91.22	91.28	91.28	91.29	0.037650	0.53	0.15	5.00	0.98
River 2	Reach 2	149	100YrSCS24Hr	0.09	91.22	91.28	91.28	91.30	0.038788	0.57	0.16	5.05	1.01
River 2	Reach 2	124	2YrCHI3Hr	0.02	90.90	91.04	90.93	91.04	0.000032	0.03	0.48	5.07	0.03
River 2	Reach 2	124	5YrCHI3Hr	0.03	90.90	91.05	90.93	91.05	0.000060	0.05	0.53	5.26	0.05
River 2	Reach 2	124	10YrCHI3Hr	0.03	90.90	91.06	90.94	91.06	0.000112	0.06	0.57	6.50	0.06
River 2	Reach 2	124	25YrCHI3Hr	0.05	90.90	91.07	90.95	91.07	0.000154	0.07	0.64	6.76	0.08
River 2	Reach 2	124	50YrCHI3Hr	0.06	90.90	91.09	90.95	91.09	0.000135	0.07	0.76	7.17	0.07
River 2	Reach 2	124	100YrCHI3Hr	0.07	90.90	91.14	90.95	91.14	0.000050	0.06	1.21	8.10	0.05
River 2	Reach 2	124	2YrSCS24Hr	0.02	90.90	91.05	90.93	91.05	0.000054	0.04	0.51	5.22	0.05
River 2	Reach 2	124	5YrSCS24Hr	0.04	90.90	91.06	90.94	91.06	0.000129	0.07	0.60	6.60	0.07
River 2	Reach 2	124	10YrSCS24Hr	0.05	90.90	91.07	90.95	91.07	0.000166	0.08	0.66	6.83	0.08
River 2	Reach 2	124	25YrSCS24Hr	0.07	90.90	91.12	90.95	91.12	0.000074	0.06	1.04	7.89	0.06
River 2	Reach 2	124	50YrSCS24Hr	0.08	90.90	91.19	90.96	91.19	0.000031	0.05	1.55	8.50	0.04
River 2	Reach 2	124	100YrSCS24Hr	0.09	90.90	91.25	90.96	91.25	0.000017	0.04	2.15	9.67	0.03
River 2	Reach 2	99	2YrCHI3Hr	0.02	90.90	91.04	90.92	91.04	0.000010	0.02	0.80	7.44	0.02
River 2	Reach 2	99	5YrCHI3Hr	0.03	90.90	91.05	90.92	91.05	0.000018	0.03	0.87	7.51	0.03
River 2	Reach 2	99	10YrCHI3Hr	0.03	90.90	91.06	90.93	91.06	0.000027	0.04	0.93	7.57	0.03
River 2	Reach 2	99	25YrCHI3Hr	0.05	90.90	91.07	90.93	91.07	0.000041	0.05	1.00	7.64	0.04
River 2	Reach 2	99	50YrCHI3Hr	0.06	90.90	91.09	90.94	91.09	0.000040	0.05	1.14	7.79	0.04
River 2	Reach 2	99	100YrCHI3Hr	0.07	90.90	91.14	90.94	91.14	0.000020	0.04	1.61	8.25	0.03
River 2	Reach 2	99	2YrSCS24Hr	0.02	90.90	91.05	90.92	91.05	0.000016	0.03	0.86	7.49	0.03
River 2	Reach 2	99	5YrSCS24Hr	0.04	90.90	91.06	90.93	91.06	0.000032	0.04	0.96	7.60	0.04
River 2	Reach 2	99	10YrSCS24Hr	0.05	90.90	91.07	90.94	91.07	0.000045	0.05	1.02	7.67	0.04
River 2	Reach 2	99	25YrSCS24Hr	0.07	90.90	91.12	90.94	91.12	0.000026	0.05	1.43	8.07	0.03
River 2	Reach 2	99	50YrSCS24Hr	0.08	90.90	91.19	90.94	91.19	0.000014	0.04	1.96	8.55	0.03
River 2	Reach 2	99	100YrSCS24Hr	0.09	90.90	91.25	90.95	91.25	0.000009	0.04	2.54	9.03	0.02
River 2	Reach 2	74	2YrCHI3Hr	0.02	90.89	91.04	90.91	91.04	0.000011	0.02	0.72	6.36	0.02
River 2	Reach 2	74	5YrCHI3Hr	0.03	90.89	91.05	90.92	91.05	0.000021	0.03	0.78	6.44	0.03
River 2	Reach 2	74	10YrCHI3Hr	0.03	90.89	91.06	90.92	91.06	0.000033	0.04	0.83	6.50	0.04
River 2	Reach 2	74	25YrCHI3Hr	0.05	90.89	91.07	90.93	91.07	0.000050	0.05	0.89	6.57	0.05
River 2	Reach 2	74	50YrCHI3Hr	0.06	90.89	91.08	90.93	91.08	0.000049	0.06	1.01	6.70	0.05
River 2	Reach 2	74	100YrCHI3Hr	0.07	90.89	91.14	90.93	91.14	0.000025	0.05	1.42	7.09	0.03
River 2	Reach 2	74	2YrSCS24Hr	0.02	90.89	91.05	90.92	91.05	0.000019	0.03	0.77	6.42	0.03
River 2	Reach 2	74	5YrSCS24Hr	0.04	90.89	91.06	90.92	91.06	0.000039	0.05	0.85	6.53	0.04
River 2	Reach 2	74	10YrSCS24Hr	0.05	90.89	91.07	90.93	91.07	0.000055	0.06	0.91	6.59	0.05
River 2	Reach 2	74	25YrSCS24Hr	0.07	90.89	91.12	90.93	91.12	0.000033	0.05	1.26	6.96	0.04
River 2	Reach 2	74	50YrSCS24Hr	0.08	90.89	91.18	90.93	91.18	0.000018	0.05	1.72	7.34	0.03
River 2	Reach 2	74	100YrSCS24Hr	0.09	90.89	91.25	90.94	91.25	0.000012	0.04	2.22	7.71	0.03

HEC-RAS Plan: 20250603-Pre_Dev_v01 (Continued)

River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
River 2	Reach 2	49	2YrCHI3Hr	0.02	91.00	91.03	91.03	91.04	0.048683	0.40	0.04	2.56	1.01
River 2	Reach 2	49	5YrCHI3Hr	0.03	91.00	91.04	91.04	91.05	0.045843	0.43	0.06	3.06	1.01
River 2	Reach 2	49	10YrCHI3Hr	0.03	91.00	91.04	91.04	91.05	0.036151	0.43	0.08	3.50	0.92
River 2	Reach 2	49	25YrCHI3Hr	0.05	91.00	91.05	91.05	91.06	0.042954	0.52	0.09	3.52	1.03
River 2	Reach 2	49	50YrCHI3Hr	0.06	91.00	91.08	91.05	91.08	0.005537	0.28	0.20	4.07	0.41
River 2	Reach 2	49	100YrCHI3Hr	0.07	91.00	91.14	91.05	91.14	0.000508	0.14	0.50	4.96	0.14
River 2	Reach 2	49	2YrSCS24Hr	0.02	91.00	91.04	91.04	91.04	0.038802	0.40	0.06	3.06	0.93
River 2	Reach 2	49	5YrSCS24Hr	0.04	91.00	91.04	91.04	91.06	0.043713	0.48	0.08	3.50	1.02
River 2	Reach 2	49	10YrSCS24Hr	0.05	91.00	91.05	91.05	91.06	0.037160	0.51	0.10	3.53	0.97
River 2	Reach 2	49	25YrSCS24Hr	0.07	91.00	91.12	91.05	91.12	0.001066	0.17	0.38	4.82	0.19
River 2	Reach 2	49	50YrSCS24Hr	0.08	91.00	91.18	91.06	91.18	0.000237	0.11	0.73	5.93	0.10
River 2	Reach 2	49	100YrSCS24Hr	0.09	91.00	91.25	91.06	91.25	0.000083	0.08	1.15	6.63	0.06
River 2	Reach 2	28	2YrCHI3Hr	0.02	90.69	90.78	90.74	90.78	0.001301	0.13	0.15	3.26	0.20
River 2	Reach 2	28	5YrCHI3Hr	0.03	90.69	90.85	90.75	90.85	0.000163	0.07	0.47	5.17	0.08
River 2	Reach 2	28	10YrCHI3Hr	0.05	90.69	90.93	90.75	90.93	0.000046	0.05	0.89	6.29	0.04
River 2	Reach 2	28	25YrCHI3Hr	0.06	90.69	91.01	90.76	91.01	0.000019	0.04	1.48	7.14	0.03
River 2	Reach 2	28	50YrCHI3Hr	0.08	90.69	91.08	90.77	91.08	0.000012	0.04	1.96	7.68	0.03
River 2	Reach 2	28	100YrCHI3Hr	0.09	90.69	91.14	90.78	91.14	0.000009	0.04	2.47	8.16	0.02
River 2	Reach 2	28	2YrSCS24Hr	0.03	90.69	90.83	90.74	90.83	0.000330	0.09	0.35	4.66	0.11
River 2	Reach 2	28	5YrSCS24Hr	0.05	90.69	90.95	90.76	90.95	0.000036	0.05	1.07	6.57	0.04
River 2	Reach 2	28	10YrSCS24Hr	0.07	90.69	91.03	90.76	91.03	0.000019	0.04	1.58	7.26	0.03
River 2	Reach 2	28	25YrSCS24Hr	0.09	90.69	91.12	90.78	91.12	0.000011	0.04	2.28	7.99	0.02
River 2	Reach 2	28	50YrSCS24Hr	0.11	90.69	91.18	90.78	91.18	0.000008	0.04	2.82	8.48	0.02
River 2	Reach 2	28	100YrSCS24Hr	0.13	90.69	91.25	90.79	91.25	0.000007	0.04	3.40	8.98	0.02
River 2	Reach 2	7	2YrCHI3Hr	0.02	90.67	90.73	90.71	90.74	0.003117	0.17	0.11	3.14	0.29
River 2	Reach 2	7	5YrCHI3Hr	0.03	90.67	90.85	90.72	90.85	0.000075	0.06	0.60	5.18	0.05
River 2	Reach 2	7	10YrCHI3Hr	0.05	90.67	90.92	90.73	90.92	0.000028	0.05	1.02	5.92	0.04
River 2	Reach 2	7	25YrCHI3Hr	0.06	90.67	91.01	90.73	91.01	0.000014	0.04	1.56	6.43	0.03
River 2	Reach 2	7	50YrCHI3Hr	0.08	90.67	91.08	90.74	91.08	0.000010	0.04	1.99	6.71	0.02
River 2	Reach 2	7	100YrCHI3Hr	0.09	90.67	91.14	90.74	91.14	0.000008	0.04	2.42	6.98	0.02
River 2	Reach 2	7	2YrSCS24Hr	0.03	90.67	90.82	90.72	90.82	0.000130	0.07	0.46	4.72	0.07
River 2	Reach 2	7	5YrSCS24Hr	0.05	90.67	90.95	90.73	90.95	0.000023	0.05	1.18	6.12	0.03
River 2	Reach 2	7	10YrSCS24Hr	0.07	90.67	91.03	90.73	91.03	0.000014	0.04	1.65	6.49	0.03
River 2	Reach 2	7	25YrSCS24Hr	0.09	90.67	91.12	90.74	91.12	0.000009	0.04	2.26	6.88	0.02
River 2	Reach 2	7	50YrSCS24Hr	0.11	90.67	91.18	90.75	91.18	0.000007	0.04	2.72	7.15	0.02
River 2	Reach 2	7	100YrSCS24Hr	0.13	90.67	91.25	90.75	91.25	0.000006	0.04	3.21	7.44	0.02
River 1	Reach 1-Upper	908	2YrCHI3Hr	0.02	94.14	94.22	94.18	94.22	0.001587	0.14	0.10	2.34	0.22
River 1	Reach 1-Upper	908	5YrCHI3Hr	0.03	94.14	94.23	94.19	94.23	0.001806	0.18	0.15	2.64	0.24
River 1	Reach 1-Upper	908	10YrCHI3Hr	0.03	94.14	94.24	94.20	94.24	0.002004	0.20	0.17	2.81	0.26
River 1	Reach 1-Upper	908	25YrCHI3Hr	0.05	94.14	94.25	94.20	94.26	0.002189	0.22	0.21	3.02	0.27
River 1	Reach 1-Upper	908	50YrCHI3Hr	0.06	94.14	94.26	94.21	94.27	0.002278	0.24	0.24	3.18	0.28
River 1	Reach 1-Upper	908	100YrCHI3Hr	0.07	94.14	94.27	94.21	94.27	0.002320	0.25	0.26	3.32	0.29
River 1	Reach 1-Upper	908	2YrSCS24Hr	0.02	94.14	94.23	94.19	94.23	0.001752	0.17	0.14	2.59	0.23
River 1	Reach 1-Upper	908	5YrSCS24Hr	0.04	94.14	94.25	94.20	94.25	0.002058	0.21	0.18	2.87	0.26
River 1	Reach 1-Upper	908	10YrSCS24Hr	0.05	94.14	94.26	94.20	94.26	0.002199	0.23	0.22	3.05	0.27
River 1	Reach 1-Upper	908	25YrSCS24Hr	0.06	94.14	94.27	94.21	94.27	0.002241	0.25	0.25	3.26	0.28
River 1	Reach 1-Upper	908	50YrSCS24Hr	0.07	94.14	94.28	94.22	94.28	0.002406	0.26	0.28	3.39	0.29
River 1	Reach 1-Upper	908	100YrSCS24Hr	0.08	94.14	94.29	94.22	94.29	0.002029	0.26	0.33	3.64	0.27
River 1	Reach 1-Upper	887	2YrCHI3Hr	0.02	94.10	94.15	94.14	94.16	0.007507	0.23	0.07	2.30	0.44
River 1	Reach 1-Upper	887	5YrCHI3Hr	0.03	94.10	94.17	94.15	94.17	0.005953	0.25	0.10	2.78	0.41
River 1	Reach 1-Upper	887	10YrCHI3Hr	0.03	94.10	94.18	94.15	94.18	0.005054	0.26	0.14	3.08	0.39
River 1	Reach 1-Upper	887	25YrCHI3Hr	0.05	94.10	94.19	94.16	94.20	0.004392	0.26	0.18	3.42	0.37
River 1	Reach 1-Upper	887	50YrCHI3Hr	0.06	94.10	94.20	94.17	94.20	0.004802	0.29	0.20	3.57	0.39
River 1	Reach 1-Upper	887	100YrCHI3Hr	0.07	94.10	94.21	94.17	94.21	0.004705	0.30	0.22	3.76	0.39
River 1	Reach 1-Upper	887	2YrSCS24Hr	0.02	94.10	94.17	94.15	94.17	0.006295	0.25	0.10	2.71	0.42
River 1	Reach 1-Upper	887	5YrSCS24Hr	0.04	94.10	94.18	94.15	94.19	0.004885	0.26	0.15	3.16	0.38
River 1	Reach 1-Upper	887	10YrSCS24Hr	0.05	94.10	94.19	94.16	94.20	0.004587	0.27	0.18	3.44	0.38
River 1	Reach 1-Upper	887	25YrSCS24Hr	0.06	94.10	94.20	94.17	94.20	0.005786	0.31	0.20	3.56	0.43
River 1	Reach 1-Upper	887	50YrSCS24Hr	0.07	94.10	94.21	94.17	94.22	0.003925	0.29	0.25	3.98	0.36
River 1	Reach 1-Upper	887	100YrSCS24Hr	0.08	94.10	94.19	94.18	94.20	0.014690	0.48	0.18	3.39	0.67
River 1	Reach 1-Upper	868	2YrCHI3Hr	0.02	93.96	94.02	94.01	94.03	0.006049	0.24	0.06	1.78	0.41
River 1	Reach 1-Upper	868	5YrCHI3Hr	0.03	93.96	94.04	94.01	94.04	0.007801	0.31	0.08	1.98	0.48
River 1	Reach 1-Upper	868	10YrCHI3Hr	0.03	93.96	94.04	94.02	94.05	0.010621	0.37	0.09	2.05	0.56
River 1	Reach 1-Upper	868	25YrCHI3Hr	0.05	93.96	94.05	94.03	94.06	0.013422	0.44	0.11	2.15	0.64
River 1	Reach 1-Upper	868	50YrCHI3Hr	0.06	93.96	94.06	94.04	94.07	0.010577	0.43	0.13	2.35	0.58
River 1	Reach 1-Upper	868	100YrCHI3Hr	0.07	93.96	94.06	94.04	94.07	0.010976	0.46	0.15	2.45	0.60
River 1	Reach 1-Upper	868	2YrSCS24Hr	0.02	93.96	94.03	94.01	94.04	0.007224	0.29	0.08	1.96	0.46
River 1	Reach 1-Upper	868	5YrSCS24Hr	0.04	93.96	94.04	94.02	94.05	0.011359	0.39	0.10	2.08	0.58
River 1	Reach 1-Upper	868	10YrSCS24Hr	0.05	93.96	94.05	94.03	94.06	0.012976	0.44	0.11	2.19	0.63
River 1	Reach 1-Upper	868	25YrSCS24Hr	0.06	93.96	94.07	94.04	94.08	0.007363	0.39	0.16	2.55	0.49
River 1	Reach 1-Upper	868	50YrSCS24Hr	0.07	93.96	94.06	94.05	94.07	0.019525	0.57	0.13	2.31	0.78
River 1	Reach 1-Upper	868	100YrSCS24Hr	0.08	93.96	94.14	94.05	94.15	0.001168	0.21	0.40	3.98	0.21
River 1	Reach 1-Upper	848	2YrCHI3Hr	0.02	93.87	93.92	93.90	93.92	0.004686	0.19	0.08	2.57	0.35
River 1	Reach 1-Upper	848	5YrCHI3Hr	0.03	93.87	93.93	93.91	93.94	0.003787	0.21	0.12	2.98	0.33
River 1	Reach 1-Upper	848	10YrCHI3Hr	0.03	93.87	93.95	93.92	93.95	0.002708	0.21	0.17	3.15	0.29
River 1	Reach 1-Upper	848	25YrCHI3Hr	0.05	93.87	93.97	93.92	93.97	0.002043	0.21	0.22	3.34	0.26
River 1	Reach 1-Upper	848	50YrCHI3Hr	0.06	93.87	93.97	93.93	93.97	0.002676	0.25	0.23	3.37	0.30
River 1	Reach 1-Upper	848	100YrCHI3Hr	0.07	93.87	93.98	93.93	93.98	0.002517	0.26	0.26	3.47	0.30
River 1	Reach 1-Upper	848	2YrSCS24Hr	0.02	93.87	93.93	93.91	93.93	0.004188	0.21	0.11	2.93	0.34
River 1	Reach 1-Upper	848	5YrSCS24Hr	0.04	93.87	93.95	93.92	93.96	0.002536	0.21	0.18	3.19	0.28
River 1	Reach 1-Upper	848	10YrSCS24Hr	0.05	93.87	93.97	93.92	93.97	0.002100	0.22	0.23	3.35	0.27
River 1	Reach 1-Upper	848	25YrSCS24Hr	0.06	93.87	93.96	93.93	93.97	0.004423	0.30	0.21	3.29	0.38
River 1	Reach 1-Upper	848	50YrSCS24Hr	0.07	93.87	94.04	93.93	94.04	0.000430	0.15	0.50	3.98	0.13

HEC-RAS Plan: 20250603-Pre_Dev_v01 (Continued)

River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
River 1	Reach 1-Upper	848	100YrSCS24Hr	0.08	93.87	94.14	93.94	94.14	0.000088	0.09	0.94	4.75	0.06
River 1	Reach 1-Upper	828	2YrCHI3Hr	0.02	93.78	93.85	93.82	93.85	0.002687	0.16	0.09	2.47	0.27
River 1	Reach 1-Upper	828	5YrCHI3Hr	0.03	93.78	93.86	93.83	93.86	0.004045	0.22	0.12	2.90	0.34
River 1	Reach 1-Upper	828	10YrCHI3Hr	0.03	93.78	93.85	93.83	93.86	0.010289	0.33	0.10	2.68	0.54
River 1	Reach 1-Upper	828	25YrCHI3Hr	0.05	93.78	93.84	93.84	93.86	0.040257	0.61	0.08	2.23	1.04
River 1	Reach 1-Upper	828	50YrCHI3Hr	0.06	93.78	93.87	93.85	93.87	0.011893	0.40	0.14	3.16	0.59
River 1	Reach 1-Upper	828	100YrCHI3Hr	0.07	93.78	93.96	93.85	93.97	0.000365	0.13	0.50	4.07	0.12
River 1	Reach 1-Upper	828	2YrSCS24Hr	0.02	93.78	93.86	93.82	93.86	0.003210	0.19	0.12	2.95	0.30
River 1	Reach 1-Upper	828	5YrSCS24Hr	0.04	93.78	93.85	93.84	93.86	0.014294	0.39	0.10	2.58	0.63
River 1	Reach 1-Upper	828	10YrSCS24Hr	0.05	93.78	93.84	93.84	93.86	0.036015	0.59	0.08	2.34	0.99
River 1	Reach 1-Upper	828	25YrSCS24Hr	0.06	93.78	93.90	93.85	93.90	0.002459	0.25	0.25	3.50	0.29
River 1	Reach 1-Upper	828	50YrSCS24Hr	0.07	93.78	94.04	93.86	94.04	0.000005	0.02	5.50	35.21	0.01
River 1	Reach 1-Upper	828	100YrSCS24Hr	0.08	93.78	94.14	93.86	94.14	0.000001	0.01	9.06	35.66	0.01
River 1	Reach 1-Upper	807	2YrCHI3Hr	0.02	93.65	93.70	93.70	93.71	0.039865	0.46	0.03	1.40	0.97
River 1	Reach 1-Upper	807	5YrCHI3Hr	0.03	93.65	93.72	93.71	93.73	0.011679	0.35	0.07	1.90	0.57
River 1	Reach 1-Upper	807	10YrCHI3Hr	0.03	93.65	93.76	93.71	93.76	0.002625	0.22	0.16	2.63	0.29
River 1	Reach 1-Upper	807	25YrCHI3Hr	0.05	93.65	93.80	93.72	93.80	0.000718	0.16	0.30	3.53	0.16
River 1	Reach 1-Upper	807	50YrCHI3Hr	0.06	93.65	93.86	93.73	93.86	0.000227	0.12	0.51	4.43	0.10
River 1	Reach 1-Upper	807	100YrCHI3Hr	0.07	93.65	93.96	93.73	93.96	0.000003	0.02	5.71	34.82	0.01
River 1	Reach 1-Upper	807	2YrSCS24Hr	0.02	93.65	93.71	93.70	93.72	0.021814	0.43	0.06	1.70	0.76
River 1	Reach 1-Upper	807	5YrSCS24Hr	0.04	93.65	93.77	93.71	93.77	0.001862	0.20	0.19	2.86	0.25
River 1	Reach 1-Upper	807	10YrSCS24Hr	0.05	93.65	93.81	93.72	93.81	0.000588	0.15	0.33	3.67	0.15
River 1	Reach 1-Upper	807	25YrSCS24Hr	0.06	93.65	93.89	93.73	93.89	0.000119	0.10	0.70	6.11	0.07
River 1	Reach 1-Upper	807	50YrSCS24Hr	0.07	93.65	94.04	93.74	94.04	0.000001	0.01	8.37	35.13	0.01
River 1	Reach 1-Upper	807	100YrSCS24Hr	0.08	93.65	94.14	93.74	94.14	0.000000	0.01	11.92	35.53	0.01
River 1	Reach 1-Upper	789	2YrCHI3Hr	0.02	93.49	93.67	93.53	93.67	0.000035	0.04	0.33	3.14	0.04
River 1	Reach 1-Upper	789	5YrCHI3Hr	0.03	93.49	93.72	93.54	93.72	0.000038	0.06	0.45	3.66	0.04
River 1	Reach 1-Upper	789	10YrCHI3Hr	0.03	93.49	93.76	93.55	93.76	0.000039	0.07	0.54	4.24	0.04
River 1	Reach 1-Upper	789	25YrCHI3Hr	0.05	93.49	93.80	93.56	93.80	0.000037	0.07	0.65	4.99	0.04
River 1	Reach 1-Upper	789	50YrCHI3Hr	0.06	93.49	93.86	93.57	93.86	0.000030	0.07	0.78	5.73	0.04
River 1	Reach 1-Upper	789	100YrCHI3Hr	0.07	93.49	93.96	93.57	93.96	0.000016	0.06	1.04	8.28	0.03
River 1	Reach 1-Upper	789	2YrSCS24Hr	0.02	93.49	93.71	93.54	93.71	0.000038	0.06	0.43	3.55	0.04
River 1	Reach 1-Upper	789	5YrSCS24Hr	0.04	93.49	93.77	93.55	93.77	0.000038	0.07	0.56	4.42	0.04
River 1	Reach 1-Upper	789	10YrSCS24Hr	0.05	93.49	93.81	93.56	93.81	0.000037	0.07	0.67	5.12	0.04
River 1	Reach 1-Upper	789	25YrSCS24Hr	0.06	93.49	93.89	93.57	93.89	0.000025	0.07	0.87	6.17	0.04
River 1	Reach 1-Upper	789	50YrSCS24Hr	0.07	93.49	94.04	93.57	94.04	0.000011	0.06	1.22	10.07	0.03
River 1	Reach 1-Upper	789	100YrSCS24Hr	0.08	93.49	94.14	93.58	94.14	0.000008	0.06	1.46	23.56	0.02
River 1	Reach 1-Upper	764		Culvert									
River 1	Reach 1-Upper	759	2YrCHI3Hr	0.02	93.46	93.53	93.50	93.53	0.002563	0.21	0.07	1.74	0.28
River 1	Reach 1-Upper	759	5YrCHI3Hr	0.03	93.46	93.56	93.51	93.56	0.002115	0.23	0.11	2.11	0.27
River 1	Reach 1-Upper	759	10YrCHI3Hr	0.03	93.46	93.59	93.52	93.60	0.001088	0.21	0.16	2.56	0.21
River 1	Reach 1-Upper	759	25YrCHI3Hr	0.05	93.46	93.66	93.53	93.66	0.000396	0.18	0.26	3.40	0.14
River 1	Reach 1-Upper	759	50YrCHI3Hr	0.06	93.46	93.74	93.54	93.74	0.000161	0.15	0.39	4.37	0.09
River 1	Reach 1-Upper	759	100YrCHI3Hr	0.07	93.46	93.83	93.54	93.84	0.000081	0.13	0.53	6.02	0.07
River 1	Reach 1-Upper	759	2YrSCS24Hr	0.02	93.46	93.55	93.51	93.56	0.002355	0.23	0.10	2.03	0.28
River 1	Reach 1-Upper	759	5YrSCS24Hr	0.04	93.46	93.61	93.52	93.61	0.000864	0.21	0.18	2.73	0.19
River 1	Reach 1-Upper	759	10YrSCS24Hr	0.05	93.46	93.67	93.53	93.67	0.000343	0.17	0.28	3.54	0.13
River 1	Reach 1-Upper	759	25YrSCS24Hr	0.06	93.46	93.79	93.54	93.79	0.000109	0.14	0.46	4.99	0.08
River 1	Reach 1-Upper	759	50YrSCS24Hr	0.07	93.46	93.89	93.54	93.89	0.000058	0.12	0.61	6.73	0.06
River 1	Reach 1-Upper	759	100YrSCS24Hr	0.08	93.46	93.95	93.55	93.95	0.000051	0.12	0.69	7.38	0.06
River 1	Reach 1-Upper	743	2YrCHI3Hr	0.02	93.40	93.47	93.45	93.47	0.006174	0.30	0.05	1.27	0.43
River 1	Reach 1-Upper	743	5YrCHI3Hr	0.03	93.40	93.53	93.46	93.54	0.001159	0.20	0.13	1.95	0.21
River 1	Reach 1-Upper	743	10YrCHI3Hr	0.03	93.40	93.58	93.47	93.58	0.000560	0.19	0.19	2.40	0.16
River 1	Reach 1-Upper	743	25YrCHI3Hr	0.05	93.40	93.66	93.48	93.66	0.000255	0.16	0.29	3.39	0.11
River 1	Reach 1-Upper	743	50YrCHI3Hr	0.06	93.40	93.74	93.49	93.74	0.000125	0.14	0.40	5.00	0.08
River 1	Reach 1-Upper	743	100YrCHI3Hr	0.07	93.40	93.83	93.50	93.83	0.000071	0.13	0.52	7.13	0.07
River 1	Reach 1-Upper	743	2YrSCS24Hr	0.02	93.40	93.52	93.46	93.52	0.001463	0.21	0.11	1.84	0.23
River 1	Reach 1-Upper	743	5YrSCS24Hr	0.04	93.40	93.60	93.47	93.60	0.000466	0.18	0.21	2.59	0.14
River 1	Reach 1-Upper	743	10YrSCS24Hr	0.05	93.40	93.67	93.48	93.67	0.000228	0.16	0.30	3.72	0.11
River 1	Reach 1-Upper	743	25YrSCS24Hr	0.06	93.40	93.79	93.49	93.79	0.000091	0.14	0.46	6.17	0.07
River 1	Reach 1-Upper	743	50YrSCS24Hr	0.07	93.40	93.89	93.50	93.89	0.000054	0.12	0.59	7.75	0.06
River 1	Reach 1-Upper	743	100YrSCS24Hr	0.08	93.40	93.94	93.51	93.95	0.000049	0.13	0.66	9.45	0.06
River 1	Reach 1-Upper	733		Culvert									
River 1	Reach 1-Upper	728	2YrCHI3Hr	0.02	93.33	93.46	93.38	93.46	0.000507	0.12	0.12	1.51	0.14
River 1	Reach 1-Upper	728	5YrCHI3Hr	0.03	93.33	93.52	93.40	93.52	0.000283	0.13	0.20	1.94	0.11
River 1	Reach 1-Upper	728	10YrCHI3Hr	0.03	93.33	93.56	93.41	93.56	0.000213	0.13	0.26	2.26	0.10
River 1	Reach 1-Upper	728	25YrCHI3Hr	0.05	93.33	93.63	93.42	93.63	0.000137	0.13	0.36	2.78	0.08
River 1	Reach 1-Upper	728	50YrCHI3Hr	0.06	93.33	93.70	93.43	93.70	0.000088	0.13	0.45	3.31	0.07
River 1	Reach 1-Upper	728	100YrCHI3Hr	0.07	93.33	93.78	93.43	93.78	0.000060	0.12	0.56	4.21	0.06
River 1	Reach 1-Upper	728	2YrSCS24Hr	0.02	93.33	93.51	93.39	93.51	0.000306	0.13	0.19	1.87	0.11
River 1	Reach 1-Upper	728	5YrSCS24Hr	0.04	93.33	93.58	93.41	93.58	0.000196	0.14	0.28	2.37	0.10
River 1	Reach 1-Upper	728	10YrSCS24Hr	0.05	93.33	93.64	93.42	93.64	0.000129	0.13	0.37	2.86	0.08
River 1	Reach 1-Upper	728	25YrSCS24Hr	0.06	93.33	93.74	93.43	93.74	0.000071	0.12	0.51	3.65	0.06
River 1	Reach 1-Upper	728	50YrSCS24Hr	0.07	93.33	93.82	93.44	93.82	0.000049	0.12	0.63	6.17	0.06
River 1	Reach 1-Upper	728	100YrSCS24Hr	0.08	93.33	93.85	93.45	93.85	0.000053	0.13	0.67	10.91	0.06
River 1	Reach 1-Upper	715	2YrCHI3Hr	0.02	93.32	93.46	93.36	93.46	0.000165	0.09	0.17	2.22	0.08
River 1	Reach 1-Upper	715	5YrCHI3Hr	0.03	93.32	93.52	93.37	93.52	0.000134	0.10	0.25	2.80	0.08
River 1	Reach 1-Upper	715	10YrCHI3Hr	0.03	93.32	93.56	93.38	93.56	0.000117	0.11	0.31	3.23	0.08
River 1	Reach 1-Upper	715	25YrCHI3Hr	0.05	93.32	93.63	93.39	93.63	0.000086	0.12	0.41	3.92	0.07
River 1	Reach 1-Upper	715	50YrCHI3Hr	0.06	93.32	93.70	93.39	93.70	0.000061	0.11	0.51	4.63	0.06
River 1	Reach 1-Upper	715	100YrCHI3Hr	0.07	93.32	93.77	93.40	93.78	0.000044	0.11	0.61	9.10	0.05

HEC-RAS Plan: 20250603-Pre_Dev_v01 (Continued)

River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
River 1	Reach 1-Upper	715	2YrSCS24Hr	0.02	93.32	93.51	93.36	93.51	0.000138	0.10	0.24	2.70	0.08
River 1	Reach 1-Upper	715	5YrSCS24Hr	0.04	93.32	93.57	93.38	93.57	0.000112	0.11	0.33	3.38	0.08
River 1	Reach 1-Upper	715	10YrSCS24Hr	0.05	93.32	93.64	93.39	93.64	0.000083	0.12	0.42	4.03	0.07
River 1	Reach 1-Upper	715	25YrSCS24Hr	0.06	93.32	93.74	93.40	93.74	0.000051	0.11	0.56	5.03	0.06
River 1	Reach 1-Upper	715	50YrSCS24Hr	0.07	93.32	93.82	93.40	93.82	0.000037	0.11	0.68	14.68	0.05
River 1	Reach 1-Upper	715	100YrSCS24Hr	0.08	93.32	93.85	93.41	93.85	0.000010	0.04	2.56	20.21	0.02
River 1	Reach 1-Upper	705	Culvert										
River 1	Reach 1-Upper	698	2YrCHI3Hr	0.02	93.24	93.31	93.29	93.31	0.009120	0.33	0.05	1.10	0.51
River 1	Reach 1-Upper	698	5YrCHI3Hr	0.03	93.24	93.31	93.30	93.32	0.019233	0.50	0.05	1.16	0.75
River 1	Reach 1-Upper	698	10YrCHI3Hr	0.03	93.24	93.31	93.31	93.33	0.027628	0.62	0.06	1.19	0.91
River 1	Reach 1-Upper	698	25YrCHI3Hr	0.05	93.24	93.42	93.32	93.43	0.000867	0.20	0.23	2.01	0.19
River 1	Reach 1-Upper	698	50YrCHI3Hr	0.06	93.24	93.51	93.33	93.51	0.000225	0.14	0.41	2.80	0.10
River 1	Reach 1-Upper	698	100YrCHI3Hr	0.07	93.24	93.51	93.34	93.51	0.000299	0.16	0.42	2.61	0.12
River 1	Reach 1-Upper	698	2YrSCS24Hr	0.02	93.24	93.31	93.30	93.32	0.015768	0.45	0.05	1.16	0.68
River 1	Reach 1-Upper	698	5YrSCS24Hr	0.04	93.24	93.32	93.31	93.34	0.027115	0.63	0.06	1.22	0.90
River 1	Reach 1-Upper	698	10YrSCS24Hr	0.05	93.24	93.47	93.32	93.47	0.000368	0.15	0.32	2.29	0.13
River 1	Reach 1-Upper	698	25YrSCS24Hr	0.06	93.24	93.51	93.33	93.51	0.000261	0.15	0.41	2.61	0.11
River 1	Reach 1-Upper	698	50YrSCS24Hr	0.07	93.24	93.51	93.34	93.52	0.000345	0.17	0.42	2.63	0.13
River 1	Reach 1-Upper	698	100YrSCS24Hr	0.08	93.24	93.52	93.35	93.52	0.000432	0.20	0.43	2.65	0.14
River 1	Reach 1-Upper	681	2YrCHI3Hr	0.02	93.14	93.21	93.18	93.21	0.004396	0.23	0.07	1.57	0.36
River 1	Reach 1-Upper	681	5YrCHI3Hr	0.03	93.14	93.24	93.19	93.24	0.001938	0.21	0.12	1.83	0.26
River 1	Reach 1-Upper	681	10YrCHI3Hr	0.03	93.14	93.27	93.20	93.27	0.001159	0.19	0.18	2.04	0.21
River 1	Reach 1-Upper	681	25YrCHI3Hr	0.05	93.14	93.42	93.21	93.42	0.000083	0.08	0.57	3.09	0.06
River 1	Reach 1-Upper	681	50YrCHI3Hr	0.06	93.14	93.51	93.22	93.51	0.000037	0.07	0.87	4.07	0.04
River 1	Reach 1-Upper	681	100YrCHI3Hr	0.07	93.14	93.51	93.22	93.51	0.000050	0.08	0.88	4.10	0.05
River 1	Reach 1-Upper	681	2YrSCS24Hr	0.02	93.14	93.23	93.19	93.24	0.002334	0.22	0.11	1.78	0.28
River 1	Reach 1-Upper	681	5YrSCS24Hr	0.04	93.14	93.29	93.20	93.29	0.000854	0.18	0.21	2.14	0.18
River 1	Reach 1-Upper	681	10YrSCS24Hr	0.05	93.14	93.46	93.21	93.46	0.000050	0.07	0.70	3.45	0.05
River 1	Reach 1-Upper	681	25YrSCS24Hr	0.06	93.14	93.51	93.22	93.51	0.000043	0.07	0.88	4.08	0.05
River 1	Reach 1-Upper	681	50YrSCS24Hr	0.07	93.14	93.51	93.23	93.51	0.000058	0.08	0.89	4.12	0.05
River 1	Reach 1-Upper	681	100YrSCS24Hr	0.08	93.14	93.52	93.23	93.52	0.000073	0.09	0.90	4.16	0.06
River 1	Reach 1-Upper	663	2YrCHI3Hr	0.02	93.05	93.18		93.18	0.000677	0.14	0.11	1.31	0.15
River 1	Reach 1-Upper	663	5YrCHI3Hr	0.03	93.05	93.22		93.23	0.000607	0.15	0.17	1.60	0.15
River 1	Reach 1-Upper	663	10YrCHI3Hr	0.03	93.05	93.26		93.26	0.000492	0.15	0.23	1.84	0.14
River 1	Reach 1-Upper	663	25YrCHI3Hr	0.05	93.05	93.42		93.42	0.000064	0.07	0.63	3.25	0.05
River 1	Reach 1-Upper	663	50YrCHI3Hr	0.06	93.05	93.51		93.51	0.000032	0.06	0.96	4.42	0.04
River 1	Reach 1-Upper	663	100YrCHI3Hr	0.07	93.05	93.51		93.51	0.000043	0.07	0.97	4.46	0.05
River 1	Reach 1-Upper	663	2YrSCS24Hr	0.02	93.05	93.21		93.22	0.000676	0.16	0.15	1.53	0.16
River 1	Reach 1-Upper	663	5YrSCS24Hr	0.04	93.05	93.28		93.28	0.000393	0.14	0.26	1.97	0.13
River 1	Reach 1-Upper	663	10YrSCS24Hr	0.05	93.05	93.46		93.46	0.000042	0.06	0.78	3.77	0.04
River 1	Reach 1-Upper	663	25YrSCS24Hr	0.06	93.05	93.51		93.51	0.000037	0.06	0.96	4.44	0.04
River 1	Reach 1-Upper	663	50YrSCS24Hr	0.07	93.05	93.51		93.51	0.000050	0.08	0.97	4.48	0.05
River 1	Reach 1-Upper	663	100YrSCS24Hr	0.08	93.05	93.51		93.52	0.000064	0.09	0.99	4.53	0.06
River 1	Reach 1-Upper	656	2YrCHI3Hr	0.06	93.03	93.15	93.12	93.16	0.008107	0.46	0.12	1.65	0.53
River 1	Reach 1-Upper	656	5YrCHI3Hr	0.10	93.03	93.19	93.14	93.20	0.006746	0.51	0.20	1.91	0.51
River 1	Reach 1-Upper	656	10YrCHI3Hr	0.14	93.03	93.23	93.16	93.24	0.004212	0.48	0.29	2.15	0.42
River 1	Reach 1-Upper	656	25YrCHI3Hr	0.18	93.03	93.42	93.18	93.42	0.000424	0.23	0.79	3.69	0.15
River 1	Reach 1-Upper	656	50YrCHI3Hr	0.22	93.03	93.51	93.20	93.51	0.000220	0.20	1.16	4.65	0.11
River 1	Reach 1-Upper	656	100YrCHI3Hr	0.26	93.03	93.51	93.21	93.51	0.000302	0.24	1.17	4.66	0.13
River 1	Reach 1-Upper	656	2YrSCS24Hr	0.09	93.03	93.18	93.14	93.19	0.007190	0.50	0.18	1.85	0.52
River 1	Reach 1-Upper	656	5YrSCS24Hr	0.15	93.03	93.26	93.17	93.27	0.003060	0.44	0.34	2.29	0.36
River 1	Reach 1-Upper	656	10YrSCS24Hr	0.19	93.03	93.46	93.18	93.46	0.000269	0.21	0.96	4.20	0.12
River 1	Reach 1-Upper	656	25YrSCS24Hr	0.24	93.03	93.51	93.20	93.51	0.000267	0.23	1.17	4.65	0.12
River 1	Reach 1-Upper	656	50YrSCS24Hr	0.28	93.03	93.51	93.22	93.51	0.000363	0.26	1.17	4.66	0.14
River 1	Reach 1-Upper	656	100YrSCS24Hr	0.33	93.03	93.51	93.23	93.51	0.000481	0.30	1.18	4.68	0.16
River 1	Reach 1-Upper	638	2YrCHI3Hr	0.06	92.92	93.07	93.00	93.08	0.002802	0.32	0.18	1.81	0.32
River 1	Reach 1-Upper	638	5YrCHI3Hr	0.10	92.92	93.14	93.04	93.14	0.001935	0.33	0.31	2.24	0.28
River 1	Reach 1-Upper	638	10YrCHI3Hr	0.14	92.92	93.20	93.05	93.21	0.001072	0.29	0.48	2.76	0.22
River 1	Reach 1-Upper	638	25YrCHI3Hr	0.18	92.92	93.41	93.07	93.42	0.000128	0.15	1.31	5.26	0.08
River 1	Reach 1-Upper	638	50YrCHI3Hr	0.22	92.92	93.50	93.09	93.51	0.000082	0.14	1.86	6.83	0.07
River 1	Reach 1-Upper	638	100YrCHI3Hr	0.26	92.92	93.50	93.10	93.51	0.000114	0.16	1.86	6.84	0.08
River 1	Reach 1-Upper	638	2YrSCS24Hr	0.09	92.92	93.12	93.03	93.12	0.002288	0.34	0.27	2.11	0.30
River 1	Reach 1-Upper	638	5YrSCS24Hr	0.15	92.92	93.24	93.06	93.24	0.000804	0.26	0.57	3.07	0.19
River 1	Reach 1-Upper	638	10YrSCS24Hr	0.19	92.92	93.46	93.08	93.46	0.000092	0.14	1.57	6.15	0.07
River 1	Reach 1-Upper	638	25YrSCS24Hr	0.24	92.92	93.50	93.10	93.51	0.000100	0.15	1.86	6.83	0.08
River 1	Reach 1-Upper	638	50YrSCS24Hr	0.28	92.92	93.50	93.11	93.51	0.000137	0.18	1.87	6.84	0.09
River 1	Reach 1-Upper	638	100YrSCS24Hr	0.33	92.92	93.51	93.13	93.51	0.000184	0.20	1.87	6.85	0.10
River 1	Reach 1-Upper	617	2YrCHI3Hr	0.06	92.84	93.01	92.95	93.01	0.003253	0.32	0.18	1.96	0.34
River 1	Reach 1-Upper	617	5YrCHI3Hr	0.10	92.84	93.11	92.98	93.11	0.000952	0.24	0.43	2.97	0.20
River 1	Reach 1-Upper	617	10YrCHI3Hr	0.14	92.84	93.19	93.00	93.19	0.000453	0.19	0.70	3.82	0.14
River 1	Reach 1-Upper	617	25YrCHI3Hr	0.18	92.84	93.41	93.01	93.41	0.000070	0.09	1.97	8.09	0.06
River 1	Reach 1-Upper	617	50YrCHI3Hr	0.22	92.84	93.50	93.03	93.50	0.000037	0.08	2.93	15.17	0.05
River 1	Reach 1-Upper	617	100YrCHI3Hr	0.26	92.84	93.50	93.04	93.50	0.000051	0.09	2.93	15.17	0.05
River 1	Reach 1-Upper	617	2YrSCS24Hr	0.09	92.84	93.08	92.97	93.09	0.001277	0.26	0.35	2.70	0.23
River 1	Reach 1-Upper	617	5YrSCS24Hr	0.15	92.84	93.23	93.00	93.23	0.000340	0.18	0.84	4.32	0.13
River 1	Reach 1-Upper	617	10YrSCS24Hr	0.19	92.84	93.46	93.02	93.46	0.000046	0.08	2.37	10.22	0.05
River 1	Reach 1-Upper	617	25YrSCS24Hr	0.24	92.84	93.50	93.04	93.50	0.000045	0.09	2.93	15.17	0.05
River 1	Reach 1-Upper	617	50YrSCS24Hr	0.28	92.84	93.50	93.05	93.50	0.000062	0.10	2.93	15.17	0.06
River 1	Reach 1-Upper	617	100YrSCS24Hr	0.33	92.84	93.50	93.06	93.50	0.000083	0.12	2.93	15.18	0.07
River 1	Reach 1-Upper	598	2YrCHI3Hr	0.06	92.76	92.99	92.86	92.99	0.000555	0.18	0.33	2.52	0.15
River 1	Reach 1-Upper	598	5YrCHI3Hr	0.11	92.76	93.10	92.89	93.10	0.000269	0.18	0.61	3.40	0.12
River 1	Reach 1-Upper	598	10YrCHI3Hr	0.15	92.76	93.19	92.91	93.19	0.000175	0.18	0.82	5.45	0.10

HEC-RAS Plan: 20250603-Pre_Dev_v01 (Continued)

River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
River 1	Reach 1-Upper	598	25YrCHI3Hr	0.19	92.76	93.41	92.93	93.41	0.000054	0.14	1.39	9.84	0.06
River 1	Reach 1-Upper	598	50YrCHI3Hr	0.23	92.76	93.50	92.94	93.50	0.000020	0.08	4.94	31.21	0.04
River 1	Reach 1-Upper	598	100YrCHI3Hr	0.28	92.76	93.50	92.96	93.50	0.000028	0.09	4.93	31.21	0.04
River 1	Reach 1-Upper	598	2YrSCS24Hr	0.10	92.76	93.07	92.88	93.07	0.000322	0.18	0.53	3.17	0.12
River 1	Reach 1-Upper	598	5YrSCS24Hr	0.16	92.76	93.22	92.91	93.22	0.000147	0.17	0.91	6.16	0.09
River 1	Reach 1-Upper	598	10YrSCS24Hr	0.20	92.76	93.46	92.93	93.46	0.000045	0.13	1.50	22.56	0.06
River 1	Reach 1-Upper	598	25YrSCS24Hr	0.26	92.76	93.50	92.95	93.50	0.000025	0.09	4.94	31.21	0.04
River 1	Reach 1-Upper	598	50YrSCS24Hr	0.30	92.76	93.50	92.96	93.50	0.000034	0.10	4.93	31.21	0.05
River 1	Reach 1-Upper	598	100YrSCS24Hr	0.35	92.76	93.50	92.98	93.50	0.000046	0.12	4.93	31.21	0.05
River 1	Reach 1-Upper	589		Culvert									
River 1	Reach 1-Upper	581	2YrCHI3Hr	0.06	92.71	92.89	92.81	92.89	0.002032	0.27	0.23	2.59	0.28
River 1	Reach 1-Upper	581	5YrCHI3Hr	0.11	92.71	92.93	92.84	92.93	0.001970	0.33	0.33	3.40	0.29
River 1	Reach 1-Upper	581	10YrCHI3Hr	0.15	92.71	92.96	92.86	92.97	0.001571	0.34	0.42	4.10	0.27
River 1	Reach 1-Upper	581	25YrCHI3Hr	0.19	92.71	93.04	92.88	93.04	0.000858	0.32	0.60	5.44	0.21
River 1	Reach 1-Upper	581	50YrCHI3Hr	0.23	92.71	93.19	92.89	93.19	0.000244	0.24	0.98	9.64	0.12
River 1	Reach 1-Upper	581	100YrCHI3Hr	0.28	92.71	93.25	92.90	93.25	0.000213	0.24	1.13	30.32	0.12
River 1	Reach 1-Upper	581	2YrSCS24Hr	0.10	92.71	92.92	92.83	92.92	0.002062	0.32	0.30	3.18	0.29
River 1	Reach 1-Upper	581	5YrSCS24Hr	0.16	92.71	92.98	92.86	92.99	0.001381	0.34	0.46	4.41	0.25
River 1	Reach 1-Upper	581	10YrSCS24Hr	0.20	92.71	93.05	92.88	93.06	0.000735	0.31	0.65	5.75	0.20
River 1	Reach 1-Upper	581	25YrSCS24Hr	0.26	92.71	93.25	92.90	93.25	0.000187	0.23	1.13	30.32	0.11
River 1	Reach 1-Upper	581	50YrSCS24Hr	0.30	92.71	93.26	92.91	93.26	0.000245	0.26	1.15	30.62	0.12
River 1	Reach 1-Upper	581	100YrSCS24Hr	0.35	92.71	93.30	92.92	93.30	0.000057	0.11	4.83	35.67	0.06
River 1	Reach 1-Upper	572	2YrCHI3Hr	0.06	92.73	92.84	92.82	92.85	0.009130	0.45	0.13	1.96	0.55
River 1	Reach 1-Upper	572	5YrCHI3Hr	0.11	92.73	92.90	92.84	92.90	0.004896	0.43	0.26	2.58	0.43
River 1	Reach 1-Upper	572	10YrCHI3Hr	0.15	92.73	92.94	92.86	92.95	0.002649	0.37	0.39	3.10	0.33
River 1	Reach 1-Upper	572	25YrCHI3Hr	0.19	92.73	93.03	92.88	93.03	0.001021	0.28	0.70	4.09	0.22
River 1	Reach 1-Upper	572	50YrCHI3Hr	0.23	92.73	93.19	92.89	93.19	0.000155	0.14	2.22	26.73	0.09
River 1	Reach 1-Upper	572	100YrCHI3Hr	0.28	92.73	93.25	92.90	93.25	0.000074	0.11	4.09	35.89	0.06
River 1	Reach 1-Upper	572	2YrSCS24Hr	0.10	92.73	92.88	92.84	92.89	0.005898	0.44	0.22	2.42	0.47
River 1	Reach 1-Upper	572	5YrSCS24Hr	0.16	92.73	92.96	92.86	92.97	0.002084	0.34	0.46	3.34	0.30
River 1	Reach 1-Upper	572	10YrSCS24Hr	0.20	92.73	93.05	92.88	93.05	0.000824	0.26	0.78	4.31	0.20
River 1	Reach 1-Upper	572	25YrSCS24Hr	0.26	92.73	93.25	92.90	93.25	0.000065	0.10	4.09	35.88	0.06
River 1	Reach 1-Upper	572	50YrSCS24Hr	0.30	92.73	93.26	92.91	93.26	0.000079	0.12	4.37	36.88	0.07
River 1	Reach 1-Upper	572	100YrSCS24Hr	0.35	92.73	93.30	92.92	93.30	0.000050	0.10	6.26	42.85	0.05
River 1	Reach 1-Upper	555	2YrCHI3Hr	0.06	92.61	92.81	92.71	92.81	0.000983	0.20	0.31	2.93	0.20
River 1	Reach 1-Upper	555	5YrCHI3Hr	0.11	92.61	92.87	92.74	92.87	0.000748	0.21	0.52	3.73	0.18
River 1	Reach 1-Upper	555	10YrCHI3Hr	0.15	92.61	92.93	92.75	92.93	0.000479	0.19	0.76	4.46	0.15
River 1	Reach 1-Upper	555	25YrCHI3Hr	0.19	92.61	93.02	92.77	93.02	0.000238	0.16	1.22	5.62	0.11
River 1	Reach 1-Upper	555	50YrCHI3Hr	0.23	92.61	93.19	92.78	93.19	0.000031	0.08	4.98	37.27	0.04
River 1	Reach 1-Upper	555	100YrCHI3Hr	0.28	92.61	93.25	92.80	93.25	0.000018	0.06	7.39	40.94	0.03
River 1	Reach 1-Upper	555	2YrSCS24Hr	0.10	92.61	92.85	92.73	92.85	0.000851	0.21	0.45	3.50	0.19
River 1	Reach 1-Upper	555	5YrSCS24Hr	0.16	92.61	92.95	92.76	92.95	0.000402	0.18	0.87	4.75	0.14
River 1	Reach 1-Upper	555	10YrSCS24Hr	0.20	92.61	93.04	92.77	93.04	0.000197	0.15	1.34	5.96	0.10
River 1	Reach 1-Upper	555	25YrSCS24Hr	0.26	92.61	93.25	92.79	93.25	0.000016	0.06	7.39	40.94	0.03
River 1	Reach 1-Upper	555	50YrSCS24Hr	0.30	92.61	93.26	92.81	93.26	0.000020	0.07	7.70	41.13	0.03
River 1	Reach 1-Upper	555	100YrSCS24Hr	0.35	92.61	93.30	92.82	93.30	0.000015	0.06	9.71	43.21	0.03
River 1	Reach 1-Upper	534	2YrCHI3Hr	0.06	92.59	92.78	92.69	92.78	0.001540	0.24	0.25	2.41	0.24
River 1	Reach 1-Upper	534	5YrCHI3Hr	0.11	92.59	92.85	92.72	92.86	0.001007	0.24	0.46	3.30	0.21
River 1	Reach 1-Upper	534	10YrCHI3Hr	0.15	92.59	92.92	92.74	92.92	0.000570	0.21	0.74	8.51	0.16
River 1	Reach 1-Upper	534	25YrCHI3Hr	0.19	92.59	93.02	92.76	93.02	0.000095	0.11	3.36	40.28	0.07
River 1	Reach 1-Upper	534	50YrCHI3Hr	0.23	92.59	93.19	92.78	93.19	0.000006	0.04	11.46	51.16	0.02
River 1	Reach 1-Upper	534	100YrCHI3Hr	0.28	92.59	93.25	92.79	93.25	0.000004	0.03	14.61	51.39	0.02
River 1	Reach 1-Upper	534	2YrSCS24Hr	0.10	92.59	92.83	92.71	92.83	0.001214	0.25	0.39	3.03	0.22
River 1	Reach 1-Upper	534	5YrSCS24Hr	0.16	92.59	92.94	92.75	92.95	0.000422	0.19	1.07	17.97	0.14
River 1	Reach 1-Upper	534	10YrSCS24Hr	0.20	92.59	93.04	92.76	93.04	0.000064	0.09	4.23	42.61	0.06
River 1	Reach 1-Upper	534	25YrSCS24Hr	0.26	92.59	93.25	92.78	93.25	0.000003	0.03	14.61	51.39	0.01
River 1	Reach 1-Upper	534	50YrSCS24Hr	0.30	92.59	93.26	92.80	93.26	0.000004	0.03	14.99	51.42	0.02
River 1	Reach 1-Upper	534	100YrSCS24Hr	0.35	92.59	93.30	92.81	93.30	0.000004	0.03	17.46	51.60	0.02
River 1	Reach 1-Upper	510	2YrCHI3Hr	0.06	92.60	92.71	92.67	92.72	0.005825	0.43	0.14	2.60	0.46
River 1	Reach 1-Upper	510	5YrCHI3Hr	0.11	92.60	92.82	92.70	92.83	0.001169	0.34	0.32	4.18	0.24
River 1	Reach 1-Upper	510	10YrCHI3Hr	0.15	92.60	92.90	92.72	92.90	0.000712	0.32	0.45	5.29	0.20
River 1	Reach 1-Upper	510	25YrCHI3Hr	0.19	92.60	93.01	92.73	93.01	0.000421	0.31	0.62	14.09	0.16
River 1	Reach 1-Upper	510	50YrCHI3Hr	0.23	92.60	93.18	92.75	93.19	0.000180	0.26	0.90	109.29	0.11
River 1	Reach 1-Upper	510	100YrCHI3Hr	0.28	92.60	93.25	92.77	93.25	0.000000	0.01	42.37	109.53	0.00
River 1	Reach 1-Upper	510	2YrSCS24Hr	0.10	92.60	92.79	92.69	92.80	0.001503	0.34	0.28	3.79	0.26
River 1	Reach 1-Upper	510	5YrSCS24Hr	0.16	92.60	92.93	92.72	92.93	0.000617	0.32	0.49	5.78	0.19
River 1	Reach 1-Upper	510	10YrSCS24Hr	0.20	92.60	93.03	92.74	93.04	0.000378	0.31	0.66	15.54	0.15
River 1	Reach 1-Upper	510	25YrSCS24Hr	0.26	92.60	93.25	92.76	93.25	0.000000	0.01	42.37	109.53	0.00
River 1	Reach 1-Upper	510	50YrSCS24Hr	0.30	92.60	93.26	92.78	93.26	0.000000	0.01	43.19	109.55	0.01
River 1	Reach 1-Upper	510	100YrSCS24Hr	0.35	92.60	93.30	92.79	93.30	0.000000	0.01	48.45	109.72	0.00
River 1	Reach 1-Upper	505		Culvert									
River 1	Reach 1-Upper	502	2YrCHI3Hr	0.07	92.49	92.60	92.57	92.61	0.007956	0.50	0.13	2.20	0.54
River 1	Reach 1-Upper	502	5YrCHI3Hr	0.12	92.49	92.65	92.60	92.67	0.006462	0.60	0.20	2.74	0.52
River 1	Reach 1-Upper	502	10YrCHI3Hr	0.16	92.49	92.68	92.62	92.70	0.006042	0.66	0.25	3.06	0.52
River 1	Reach 1-Upper	502	25YrCHI3Hr	0.22	92.49	92.73	92.64	92.76	0.004047	0.66	0.33	4.01	0.45
River 1	Reach 1-Upper	502	50YrCHI3Hr	0.26	92.49	92.83	92.66	92.85	0.001665	0.54	0.48	5.45	0.31
River 1	Reach 1-Upper	502	100YrCHI3Hr	0.31	92.49	92.99	92.68	93.00	0.000619	0.43	0.72	104.79	0.20
River 1	Reach 1-Upper	502	2YrSCS24Hr	0.11	92.49	92.64	92.59	92.65	0.006729	0.58	0.19	2.62	0.53
River 1	Reach 1-Upper	502	5YrSCS24Hr	0.18	92.49	92.69	92.63	92.71	0.005546	0.67	0.27	3.21	0.51
River 1	Reach 1-Upper	502	10YrSCS24Hr	0.23	92.49	92.75	92.65	92.77	0.003381	0.64	0.36	4.41	0.42
River 1	Reach 1-Upper	502	25YrSCS24Hr	0.29	92.49	92.92	92.67	92.94	0.000902	0.47	0.62	7.34	0.24
River 1	Reach 1-Upper	502	50YrSCS24Hr	0.34	92.49	93.11	92.69	93.12	0.000353	0.38	0.90	105.15	0.16

HEC-RAS Plan: 20250603-Pre_Dev_v01 (Continued)

River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
River 1	Reach 1-Upper	502	100YrSCS24Hr	0.40	92.49	93.30	92.71	93.30	0.000000	0.01	51.89	105.65	0.00
River 1	Reach 1-Upper	493	2YrCHI3Hr	0.07	92.34	92.60	92.42	92.60	0.000124	0.09	0.72	4.59	0.07
River 1	Reach 1-Upper	493	5YrCHI3Hr	0.12	92.34	92.65	92.45	92.65	0.000198	0.13	0.96	5.44	0.10
River 1	Reach 1-Upper	493	10YrCHI3Hr	0.16	92.34	92.68	92.46	92.68	0.000233	0.14	1.13	5.98	0.10
River 1	Reach 1-Upper	493	25YrCHI3Hr	0.22	92.34	92.74	92.48	92.74	0.000196	0.14	1.51	6.84	0.10
River 1	Reach 1-Upper	493	50YrCHI3Hr	0.26	92.34	92.84	92.49	92.84	0.000098	0.12	2.27	8.59	0.07
River 1	Reach 1-Upper	493	100YrCHI3Hr	0.31	92.34	93.00	92.50	93.00	0.000001	0.02	28.79	101.37	0.01
River 1	Reach 1-Upper	493	2YrSCS24Hr	0.11	92.34	92.64	92.44	92.64	0.000183	0.12	0.90	5.23	0.09
River 1	Reach 1-Upper	493	5YrSCS24Hr	0.18	92.34	92.70	92.46	92.70	0.000231	0.15	1.22	6.23	0.11
River 1	Reach 1-Upper	493	10YrSCS24Hr	0.23	92.34	92.76	92.48	92.76	0.000169	0.14	1.63	7.02	0.09
River 1	Reach 1-Upper	493	25YrSCS24Hr	0.29	92.34	92.93	92.50	92.93	0.000047	0.09	3.20	13.20	0.05
River 1	Reach 1-Upper	493	50YrSCS24Hr	0.34	92.34	93.12	92.51	93.12	0.000001	0.01	41.12	102.01	0.01
River 1	Reach 1-Upper	493	100YrSCS24Hr	0.40	92.34	93.30	92.52	93.30	0.000000	0.01	60.16	102.98	0.00
River 1	Reach 1-Upper	474	2YrCHI3Hr	0.07	92.41	92.60	92.50	92.60	0.000594	0.14	0.47	4.97	0.15
River 1	Reach 1-Upper	474	5YrCHI3Hr	0.12	92.41	92.64	92.53	92.65	0.000595	0.17	0.72	5.95	0.16
River 1	Reach 1-Upper	474	10YrCHI3Hr	0.16	92.41	92.67	92.54	92.68	0.000563	0.18	0.90	6.59	0.15
River 1	Reach 1-Upper	474	25YrCHI3Hr	0.22	92.41	92.73	92.56	92.74	0.000352	0.16	1.33	7.87	0.13
River 1	Reach 1-Upper	474	50YrCHI3Hr	0.26	92.41	92.84	92.57	92.84	0.000001	0.01	25.75	91.49	0.01
River 1	Reach 1-Upper	474	100YrCHI3Hr	0.31	92.41	93.00	92.58	93.00	0.000000	0.01	40.12	92.20	0.01
River 1	Reach 1-Upper	474	2YrSCS24Hr	0.11	92.41	92.63	92.52	92.63	0.000605	0.16	0.65	5.71	0.16
River 1	Reach 1-Upper	474	5YrSCS24Hr	0.18	92.41	92.69	92.55	92.69	0.000512	0.18	1.00	6.89	0.15
River 1	Reach 1-Upper	474	10YrSCS24Hr	0.23	92.41	92.75	92.56	92.75	0.000285	0.15	1.49	8.28	0.12
River 1	Reach 1-Upper	474	25YrSCS24Hr	0.29	92.41	92.93	92.57	92.93	0.000001	0.01	33.86	91.89	0.01
River 1	Reach 1-Upper	474	50YrSCS24Hr	0.34	92.41	93.12	92.58	93.12	0.000000	0.01	51.33	92.74	0.00
River 1	Reach 1-Upper	474	100YrSCS24Hr	0.40	92.41	93.30	92.59	93.30	0.000000	0.01	68.65	93.59	0.00
River 1	Reach 1-Upper	454	2YrCHI3Hr	0.07	92.44	92.58	92.50	92.58	0.001576	0.24	0.28	2.85	0.24
River 1	Reach 1-Upper	454	5YrCHI3Hr	0.12	92.44	92.62	92.53	92.63	0.001689	0.29	0.41	3.31	0.26
River 1	Reach 1-Upper	454	10YrCHI3Hr	0.16	92.44	92.65	92.55	92.66	0.001595	0.31	0.52	3.64	0.26
River 1	Reach 1-Upper	454	25YrCHI3Hr	0.22	92.44	92.72	92.56	92.72	0.000913	0.28	0.79	4.34	0.21
River 1	Reach 1-Upper	454	50YrCHI3Hr	0.26	92.44	92.84	92.57	92.84	0.000012	0.04	12.27	82.88	0.03
River 1	Reach 1-Upper	454	100YrCHI3Hr	0.31	92.44	93.00	92.59	93.00	0.000002	0.02	25.28	83.36	0.01
River 1	Reach 1-Upper	454	2YrSCS24Hr	0.11	92.44	92.61	92.52	92.62	0.001709	0.28	0.38	3.19	0.26
River 1	Reach 1-Upper	454	5YrSCS24Hr	0.18	92.44	92.67	92.55	92.67	0.001416	0.30	0.58	3.81	0.25
River 1	Reach 1-Upper	454	10YrSCS24Hr	0.23	92.44	92.74	92.56	92.74	0.000715	0.26	0.88	4.56	0.18
River 1	Reach 1-Upper	454	25YrSCS24Hr	0.29	92.44	92.93	92.58	92.93	0.000003	0.03	19.62	83.15	0.01
River 1	Reach 1-Upper	454	50YrSCS24Hr	0.34	92.44	93.12	92.60	93.12	0.000001	0.02	35.41	83.72	0.01
River 1	Reach 1-Upper	454	100YrSCS24Hr	0.40	92.44	93.30	92.61	93.30	0.000000	0.01	51.02	84.29	0.00
River 1	Reach 1-Upper	434	2YrCHI3Hr	0.07	92.42	92.53	92.49	92.54	0.003245	0.30	0.23	2.89	0.34
River 1	Reach 1-Upper	434	5YrCHI3Hr	0.12	92.42	92.58	92.51	92.59	0.002201	0.32	0.38	3.34	0.30
River 1	Reach 1-Upper	434	10YrCHI3Hr	0.16	92.42	92.62	92.52	92.62	0.001702	0.32	0.51	3.67	0.27
River 1	Reach 1-Upper	434	25YrCHI3Hr	0.22	92.42	92.72	92.54	92.72	0.000099	0.09	4.19	44.55	0.07
River 1	Reach 1-Upper	434	50YrCHI3Hr	0.26	92.42	92.84	92.55	92.84	0.000011	0.04	12.14	73.98	0.02
River 1	Reach 1-Upper	434	100YrCHI3Hr	0.31	92.42	93.00	92.56	93.00	0.000002	0.02	23.78	74.52	0.01
River 1	Reach 1-Upper	434	2YrSCS24Hr	0.11	92.42	92.57	92.50	92.57	0.002433	0.31	0.34	3.22	0.31
River 1	Reach 1-Upper	434	5YrSCS24Hr	0.18	92.42	92.64	92.53	92.64	0.001593	0.30	0.59	4.31	0.26
River 1	Reach 1-Upper	434	10YrSCS24Hr	0.23	92.42	92.74	92.54	92.74	0.000062	0.08	5.30	52.04	0.05
River 1	Reach 1-Upper	434	25YrSCS24Hr	0.29	92.42	92.93	92.55	92.93	0.000003	0.03	18.72	74.29	0.01
River 1	Reach 1-Upper	434	50YrSCS24Hr	0.34	92.42	93.12	92.57	93.12	0.000001	0.02	32.84	74.94	0.01
River 1	Reach 1-Upper	434	100YrSCS24Hr	0.40	92.42	93.30	92.58	93.30	0.000000	0.01	46.84	75.66	0.00
River 1	Reach 1-Upper	416	2YrCHI3Hr	0.07	92.34	92.51	92.42	92.51	0.000622	0.15	0.44	4.70	0.15
River 1	Reach 1-Upper	416	5YrCHI3Hr	0.12	92.34	92.57	92.45	92.57	0.000424	0.17	0.75	5.83	0.14
River 1	Reach 1-Upper	416	10YrCHI3Hr	0.16	92.34	92.62	92.46	92.62	0.000159	0.12	2.27	28.78	0.09
River 1	Reach 1-Upper	416	25YrCHI3Hr	0.22	92.34	92.72	92.48	92.72	0.000031	0.07	5.56	35.85	0.04
River 1	Reach 1-Upper	416	50YrCHI3Hr	0.26	92.34	92.84	92.48	92.84	0.000008	0.05	10.70	48.52	0.02
River 1	Reach 1-Upper	416	100YrCHI3Hr	0.31	92.34	93.00	92.49	93.00	0.000002	0.03	20.27	66.96	0.01
River 1	Reach 1-Upper	416	2YrSCS24Hr	0.11	92.34	92.56	92.44	92.56	0.000463	0.17	0.67	5.55	0.14
River 1	Reach 1-Upper	416	5YrSCS24Hr	0.18	92.34	92.64	92.47	92.64	0.000108	0.11	2.88	30.23	0.07
River 1	Reach 1-Upper	416	10YrSCS24Hr	0.23	92.34	92.74	92.48	92.74	0.000024	0.07	6.41	39.28	0.04
River 1	Reach 1-Upper	416	25YrSCS24Hr	0.29	92.34	92.93	92.49	92.93	0.000004	0.04	15.73	65.04	0.02
River 1	Reach 1-Upper	416	50YrSCS24Hr	0.34	92.34	93.12	92.50	93.12	0.000001	0.02	28.42	67.40	0.01
River 1	Reach 1-Upper	416	100YrSCS24Hr	0.40	92.34	93.30	92.51	93.30	0.000000	0.02	41.01	68.07	0.01
River 1	Reach 1-Upper	398	2YrCHI3Hr	0.07	92.28	92.50	92.40	92.50	0.000933	0.21	0.31	2.50	0.19
River 1	Reach 1-Upper	398	5YrCHI3Hr	0.12	92.28	92.56	92.42	92.56	0.000915	0.26	0.47	2.86	0.20
River 1	Reach 1-Upper	398	10YrCHI3Hr	0.16	92.28	92.61	92.44	92.61	0.000752	0.26	0.62	3.16	0.19
River 1	Reach 1-Upper	398	25YrCHI3Hr	0.22	92.28	92.71	92.46	92.72	0.000355	0.22	1.01	4.66	0.14
River 1	Reach 1-Upper	398	50YrCHI3Hr	0.26	92.28	92.84	92.47	92.84	0.000076	0.12	4.26	46.30	0.07
River 1	Reach 1-Upper	398	100YrCHI3Hr	0.31	92.28	93.00	92.49	93.00	0.000008	0.05	12.80	58.61	0.02
River 1	Reach 1-Upper	398	2YrSCS24Hr	0.11	92.28	92.54	92.42	92.55	0.000935	0.25	0.43	2.77	0.20
River 1	Reach 1-Upper	398	5YrSCS24Hr	0.18	92.28	92.63	92.44	92.63	0.000660	0.26	0.69	3.29	0.18
River 1	Reach 1-Upper	398	10YrSCS24Hr	0.23	92.28	92.74	92.46	92.74	0.000295	0.21	1.13	5.59	0.12
River 1	Reach 1-Upper	398	25YrSCS24Hr	0.29	92.28	92.93	92.48	92.93	0.000020	0.07	8.81	58.42	0.03
River 1	Reach 1-Upper	398	50YrSCS24Hr	0.34	92.28	93.12	92.50	93.12	0.000003	0.03	19.93	58.96	0.01
River 1	Reach 1-Upper	398	100YrSCS24Hr	0.40	92.28	93.30	92.51	93.30	0.000001	0.02	30.94	59.51	0.01
River 1	Reach 1-Upper	383	2YrCHI3Hr	0.07	92.34	92.47	92.42	92.47	0.004536	0.39	0.17	1.90	0.41
River 1	Reach 1-Upper	383	5YrCHI3Hr	0.12	92.34	92.53	92.45	92.54	0.002876	0.39	0.31	2.30	0.34
River 1	Reach 1-Upper	383	10YrCHI3Hr	0.16	92.34	92.59	92.47	92.59	0.001737	0.36	0.45	2.62	0.28
River 1	Reach 1-Upper	383	25YrCHI3Hr	0.22	92.34	92.70	92.49	92.71	0.000630	0.27	0.80	3.29	0.18
River 1	Reach 1-Upper	383	50YrCHI3Hr	0.26	92.34	92.83	92.50	92.84	0.000255	0.21	1.27	4.01	0.12
River 1	Reach 1-Upper	383	100YrCHI3Hr	0.31	92.34	92.99	92.52	93.00	0.000100	0.16	2.02	5.50	0.08
River 1	Reach 1-Upper	383	2YrSCS24Hr	0.11	92.34	92.51	92.44	92.52	0.003262	0.40	0.27	2.21	0.36
River 1	Reach 1-Upper	383	5YrSCS24Hr	0.18	92.34	92.61	92.47	92.62	0.001389	0.34	0.52	2.77	0.25
River 1	Reach 1-Upper	383	10YrSCS24Hr	0.23	92.34	92.73	92.49	92.73	0.000520	0.26	0.88	3.42	0.16
River 1	Reach 1-Upper	383	25YrSCS24Hr	0.29	92.34	92.93	92.51	92.93	0.000147	0.18	1.66	4.73	0.09

HEC-RAS Plan: 20250603-Pre_Dev_v01 (Continued)

River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
River 1	Reach 1-Upper	383	50YrSCS24Hr	0.34	92.34	93.12	92.53	93.12	0.000005	0.04	15.00	51.87	0.02
River 1	Reach 1-Upper	383	100YrSCS24Hr	0.40	92.34	93.30	92.54	93.30	0.000002	0.03	24.70	52.43	0.01
River 1	Reach 1-Upper	364	2YrCHI3Hr	0.07	92.23	92.43	92.33	92.43	0.001355	0.26	0.26	2.01	0.23
River 1	Reach 1-Upper	364	5YrCHI3Hr	0.12	92.23	92.50	92.36	92.50	0.001099	0.29	0.42	2.37	0.22
River 1	Reach 1-Upper	364	10YrCHI3Hr	0.16	92.23	92.57	92.38	92.57	0.000740	0.27	0.59	2.71	0.19
River 1	Reach 1-Upper	364	25YrCHI3Hr	0.22	92.23	92.70	92.40	92.70	0.000331	0.22	0.98	3.34	0.13
River 1	Reach 1-Upper	364	50YrCHI3Hr	0.26	92.23	92.83	92.42	92.83	0.000166	0.18	1.48	4.20	0.10
River 1	Reach 1-Upper	364	100YrCHI3Hr	0.31	92.23	92.99	92.43	92.99	0.000050	0.12	4.53	43.93	0.06
River 1	Reach 1-Upper	364	2YrSCS24Hr	0.11	92.23	92.48	92.35	92.48	0.001197	0.29	0.37	2.27	0.23
River 1	Reach 1-Upper	364	5YrSCS24Hr	0.18	92.23	92.60	92.39	92.60	0.000621	0.26	0.67	2.85	0.17
River 1	Reach 1-Upper	364	10YrSCS24Hr	0.23	92.23	92.72	92.41	92.73	0.000283	0.21	1.07	3.47	0.12
River 1	Reach 1-Upper	364	25YrSCS24Hr	0.29	92.23	92.92	92.43	92.93	0.000099	0.15	1.93	5.59	0.08
River 1	Reach 1-Upper	364	50YrSCS24Hr	0.34	92.23	93.12	92.44	93.12	0.000012	0.07	9.97	44.25	0.03
River 1	Reach 1-Upper	364	100YrSCS24Hr	0.40	92.23	93.30	92.46	93.30	0.000003	0.04	18.26	45.01	0.01
River 1	Reach 1-Upper	347	2YrCHI3Hr	0.07	92.26	92.40	92.33	92.41	0.001382	0.24	0.27	2.45	0.23
River 1	Reach 1-Upper	347	5YrCHI3Hr	0.12	92.26	92.49	92.35	92.49	0.000808	0.25	0.49	2.80	0.19
River 1	Reach 1-Upper	347	10YrCHI3Hr	0.16	92.26	92.56	92.36	92.56	0.000488	0.23	0.71	3.12	0.15
River 1	Reach 1-Upper	347	25YrCHI3Hr	0.22	92.26	92.69	92.38	92.70	0.000213	0.19	1.16	3.69	0.11
River 1	Reach 1-Upper	347	50YrCHI3Hr	0.26	92.26	92.83	92.40	92.83	0.000107	0.15	1.71	4.28	0.08
River 1	Reach 1-Upper	347	100YrCHI3Hr	0.31	92.26	92.99	92.41	92.99	0.000050	0.13	2.54	7.35	0.06
River 1	Reach 1-Upper	347	2YrSCS24Hr	0.11	92.26	92.46	92.34	92.47	0.000932	0.25	0.43	2.71	0.20
River 1	Reach 1-Upper	347	5YrSCS24Hr	0.18	92.26	92.59	92.37	92.59	0.000403	0.22	0.80	3.25	0.14
River 1	Reach 1-Upper	347	10YrSCS24Hr	0.23	92.26	92.72	92.39	92.72	0.000183	0.18	1.26	3.81	0.10
River 1	Reach 1-Upper	347	25YrSCS24Hr	0.29	92.26	92.92	92.41	92.92	0.000071	0.14	2.13	5.02	0.07
River 1	Reach 1-Upper	347	50YrSCS24Hr	0.34	92.26	93.12	92.42	93.12	0.000020	0.09	6.30	37.59	0.04
River 1	Reach 1-Upper	347	100YrSCS24Hr	0.40	92.26	93.30	92.43	93.30	0.000005	0.06	13.35	38.07	0.02
River 1	Reach 1-Upper	328	2YrCHI3Hr	0.07	92.20	92.37	92.28	92.38	0.001873	0.30	0.22	1.82	0.27
River 1	Reach 1-Upper	328	5YrCHI3Hr	0.12	92.20	92.47	92.32	92.47	0.001020	0.29	0.42	2.24	0.21
River 1	Reach 1-Upper	328	10YrCHI3Hr	0.16	92.20	92.55	92.34	92.55	0.000618	0.26	0.61	2.58	0.17
River 1	Reach 1-Upper	328	25YrCHI3Hr	0.22	92.20	92.69	92.36	92.69	0.000277	0.21	1.02	3.16	0.12
River 1	Reach 1-Upper	328	50YrCHI3Hr	0.26	92.20	92.83	92.38	92.83	0.000152	0.17	1.51	4.11	0.09
River 1	Reach 1-Upper	328	100YrCHI3Hr	0.31	92.20	92.99	92.40	92.99	0.000074	0.14	2.26	5.12	0.07
River 1	Reach 1-Upper	328	2YrSCS24Hr	0.11	92.20	92.44	92.31	92.45	0.001182	0.29	0.36	2.14	0.23
River 1	Reach 1-Upper	328	5YrSCS24Hr	0.18	92.20	92.58	92.34	92.58	0.000513	0.25	0.70	2.71	0.16
River 1	Reach 1-Upper	328	10YrSCS24Hr	0.23	92.20	92.72	92.36	92.72	0.000240	0.21	1.11	3.28	0.11
River 1	Reach 1-Upper	328	25YrSCS24Hr	0.29	92.20	92.92	92.39	92.92	0.000098	0.15	1.92	4.61	0.07
River 1	Reach 1-Upper	328	50YrSCS24Hr	0.34	92.20	93.12	92.40	93.12	0.000035	0.11	4.57	29.52	0.05
River 1	Reach 1-Upper	328	100YrSCS24Hr	0.40	92.20	93.30	92.42	93.30	0.000009	0.06	10.13	29.96	0.02
River 1	Reach 1-Upper	306	2YrCHI3Hr	0.07	92.07	92.35	92.18	92.35	0.000722	0.25	0.27	1.49	0.18
River 1	Reach 1-Upper	306	5YrCHI3Hr	0.12	92.07	92.45	92.23	92.45	0.000689	0.30	0.40	1.84	0.18
River 1	Reach 1-Upper	306	10YrCHI3Hr	0.16	92.07	92.53	92.25	92.54	0.000559	0.31	0.52	2.13	0.17
River 1	Reach 1-Upper	306	25YrCHI3Hr	0.22	92.07	92.68	92.28	92.68	0.000321	0.29	0.74	2.69	0.13
River 1	Reach 1-Upper	306	50YrCHI3Hr	0.26	92.07	92.82	92.30	92.82	0.000203	0.28	0.95	3.29	0.11
River 1	Reach 1-Upper	306	100YrCHI3Hr	0.31	92.07	92.99	92.32	92.99	0.000131	0.26	1.20	4.54	0.09
River 1	Reach 1-Upper	306	2YrSCS24Hr	0.11	92.07	92.42	92.21	92.43	0.000712	0.29	0.37	1.75	0.18
River 1	Reach 1-Upper	306	5YrSCS24Hr	0.18	92.07	92.57	92.26	92.57	0.000497	0.31	0.58	2.25	0.16
River 1	Reach 1-Upper	306	10YrSCS24Hr	0.23	92.07	92.71	92.28	92.71	0.000290	0.29	0.79	2.81	0.13
River 1	Reach 1-Upper	306	25YrSCS24Hr	0.29	92.07	92.91	92.31	92.92	0.000156	0.27	1.10	3.90	0.10
River 1	Reach 1-Upper	306	50YrSCS24Hr	0.34	92.07	93.11	92.33	93.11	0.000098	0.25	1.39	20.53	0.08
River 1	Reach 1-Upper	306	100YrSCS24Hr	0.40	92.07	93.30	92.36	93.30	0.000072	0.24	1.67	20.98	0.07
River 1	Reach 1-Upper	300		Culvert									
River 1	Reach 1-Upper	294	2YrCHI3Hr	0.07	92.15	92.32	92.23	92.32	0.001567	0.31	0.22	2.08	0.26
River 1	Reach 1-Upper	294	5YrCHI3Hr	0.12	92.15	92.37	92.26	92.38	0.001840	0.41	0.29	2.34	0.30
River 1	Reach 1-Upper	294	10YrCHI3Hr	0.16	92.15	92.39	92.28	92.41	0.002165	0.49	0.33	2.48	0.33
River 1	Reach 1-Upper	294	25YrCHI3Hr	0.22	92.15	92.42	92.30	92.44	0.002528	0.57	0.38	2.64	0.36
River 1	Reach 1-Upper	294	50YrCHI3Hr	0.26	92.15	92.45	92.32	92.47	0.002769	0.63	0.41	2.76	0.38
River 1	Reach 1-Upper	294	100YrCHI3Hr	0.31	92.15	92.47	92.33	92.49	0.002956	0.69	0.45	2.87	0.40
River 1	Reach 1-Upper	294	2YrSCS24Hr	0.11	92.15	92.36	92.25	92.36	0.001762	0.39	0.28	2.28	0.29
River 1	Reach 1-Upper	294	5YrSCS24Hr	0.18	92.15	92.40	92.28	92.41	0.002296	0.51	0.35	2.52	0.34
River 1	Reach 1-Upper	294	10YrSCS24Hr	0.23	92.15	92.43	92.30	92.45	0.002610	0.59	0.39	2.66	0.37
River 1	Reach 1-Upper	294	25YrSCS24Hr	0.29	92.15	92.46	92.33	92.48	0.002895	0.67	0.43	2.82	0.40
River 1	Reach 1-Upper	294	50YrSCS24Hr	0.34	92.15	92.48	92.35	92.51	0.003128	0.73	0.47	2.94	0.42
River 1	Reach 1-Upper	294	100YrSCS24Hr	0.40	92.15	92.50	92.36	92.54	0.003396	0.80	0.50	3.05	0.44
River 1	Reach 1-Upper	279	2YrCHI3Hr	0.08	92.08	92.21	92.21	92.24	0.029991	0.80	0.10	1.51	0.99
River 1	Reach 1-Upper	279	5YrCHI3Hr	0.15	92.08	92.25	92.24	92.29	0.026320	0.91	0.16	1.84	0.98
River 1	Reach 1-Upper	279	10YrCHI3Hr	0.20	92.08	92.28		92.32	0.017826	0.87	0.23	2.04	0.83
River 1	Reach 1-Upper	279	25YrCHI3Hr	0.27	92.08	92.32		92.36	0.013314	0.86	0.31	2.27	0.74
River 1	Reach 1-Upper	279	50YrCHI3Hr	0.32	92.08	92.34		92.38	0.011695	0.87	0.37	2.42	0.71
River 1	Reach 1-Upper	279	100YrCHI3Hr	0.38	92.08	92.37		92.41	0.010643	0.88	0.43	2.57	0.69
River 1	Reach 1-Upper	279	2YrSCS24Hr	0.13	92.08	92.23	92.23	92.28	0.029039	0.90	0.14	1.75	1.01
River 1	Reach 1-Upper	279	5YrSCS24Hr	0.22	92.08	92.29		92.33	0.015917	0.86	0.25	2.10	0.80
River 1	Reach 1-Upper	279	10YrSCS24Hr	0.28	92.08	92.32		92.36	0.012955	0.86	0.32	2.30	0.74
River 1	Reach 1-Upper	279	25YrSCS24Hr	0.36	92.08	92.36		92.40	0.011055	0.88	0.41	2.51	0.70
River 1	Reach 1-Upper	279	50YrSCS24Hr	0.42	92.08	92.38		92.42	0.010063	0.89	0.47	2.66	0.67
River 1	Reach 1-Upper	279	100YrSCS24Hr	0.49	92.08	92.41		92.45	0.009502	0.91	0.54	2.81	0.66
River 1	Reach 1-Upper	277	2YrCHI3Hr	0.08	91.95	92.20		92.21	0.000695	0.21	0.39	2.70	0.17
River 1	Reach 1-Upper	277	5YrCHI3Hr	0.15	91.95	92.26		92.26	0.000856	0.28	0.54	3.02	0.20
River 1	Reach 1-Upper	277	10YrCHI3Hr	0.20	91.95	92.29		92.30	0.000927	0.32	0.64	3.19	0.21
River 1	Reach 1-Upper	277	25YrCHI3Hr	0.27	91.95	92.33		92.33	0.001006	0.37	0.76	3.41	0.23
River 1	Reach 1-Upper	277	50YrCHI3Hr	0.32	91.95	92.35		92.36	0.001068	0.41	0.85	3.55	0.24
River 1	Reach 1-Upper	277	100YrCHI3Hr	0.38	91.95	92.38		92.39	0.001131	0.44	0.95	3.69	0.25
River 1	Reach 1-Upper	277	2YrSCS24Hr	0.13	91.95	92.25		92.25	0.000826	0.26	0.50	2.94	0.20

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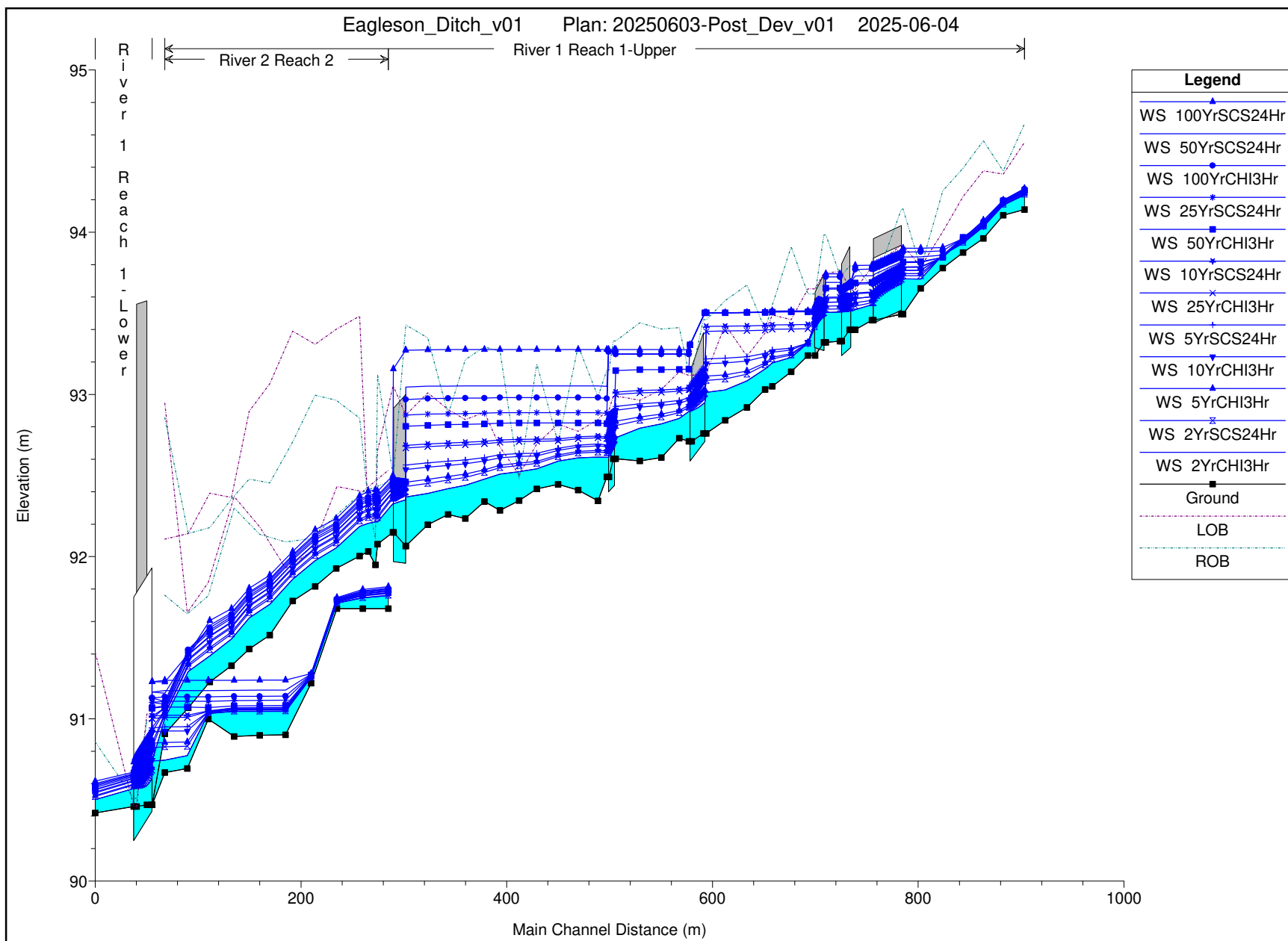
River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
River 1	Reach 1-Upper	277	5YrSCS24Hr	0.22	91.95	92.30		92.31	0.000941	0.33	0.68	3.25	0.22
River 1	Reach 1-Upper	277	10YrSCS24Hr	0.28	91.95	92.33		92.34	0.001018	0.38	0.78	3.43	0.23
River 1	Reach 1-Upper	277	25YrSCS24Hr	0.36	91.95	92.37		92.38	0.001104	0.43	0.91	3.63	0.25
River 1	Reach 1-Upper	277	50YrSCS24Hr	0.42	91.95	92.39		92.40	0.001159	0.46	1.00	3.77	0.26
River 1	Reach 1-Upper	277	100YrSCS24Hr	0.49	91.95	92.42		92.43	0.001229	0.50	1.09	3.91	0.27
River 1	Reach 1-Upper	270	2YrCHI3Hr	0.08	92.03	92.20		92.20	0.001692	0.27	0.29	2.60	0.26
River 1	Reach 1-Upper	270	5YrCHI3Hr	0.15	92.03	92.25		92.25	0.001753	0.33	0.45	3.07	0.27
River 1	Reach 1-Upper	270	10YrCHI3Hr	0.20	92.03	92.28		92.29	0.001743	0.36	0.55	3.36	0.28
River 1	Reach 1-Upper	270	25YrCHI3Hr	0.27	92.03	92.32		92.33	0.001732	0.40	0.68	3.72	0.29
River 1	Reach 1-Upper	270	50YrCHI3Hr	0.32	92.03	92.34		92.35	0.001721	0.42	0.78	4.13	0.29
River 1	Reach 1-Upper	270	100YrCHI3Hr	0.38	92.03	92.37		92.38	0.001663	0.45	0.90	5.00	0.29
River 1	Reach 1-Upper	270	2YrSCS24Hr	0.13	92.03	92.24		92.24	0.001760	0.32	0.40	2.95	0.27
River 1	Reach 1-Upper	270	5YrSCS24Hr	0.22	92.03	92.29		92.30	0.001717	0.37	0.58	3.47	0.28
River 1	Reach 1-Upper	270	10YrSCS24Hr	0.28	92.03	92.32		92.33	0.001734	0.40	0.70	3.76	0.29
River 1	Reach 1-Upper	270	25YrSCS24Hr	0.36	92.03	92.36		92.37	0.001687	0.44	0.84	4.62	0.29
River 1	Reach 1-Upper	270	50YrSCS24Hr	0.42	92.03	92.38		92.39	0.001617	0.46	0.97	5.51	0.29
River 1	Reach 1-Upper	270	100YrSCS24Hr	0.49	92.03	92.41		92.42	0.001578	0.48	1.11	5.76	0.29
River 1	Reach 1-Upper	261	2YrCHI3Hr	0.08	92.00	92.18	92.10	92.18	0.002216	0.32	0.25	2.09	0.30
River 1	Reach 1-Upper	261	5YrCHI3Hr	0.15	92.00	92.23	92.13	92.24	0.002543	0.41	0.36	2.34	0.33
River 1	Reach 1-Upper	261	10YrCHI3Hr	0.20	92.00	92.26	92.15	92.27	0.002719	0.46	0.43	2.48	0.35
River 1	Reach 1-Upper	261	25YrCHI3Hr	0.27	92.00	92.29	92.18	92.31	0.002882	0.51	0.52	2.66	0.37
River 1	Reach 1-Upper	261	50YrCHI3Hr	0.32	92.00	92.32	92.19	92.33	0.003012	0.55	0.59	2.78	0.38
River 1	Reach 1-Upper	261	100YrCHI3Hr	0.38	92.00	92.34	92.21	92.36	0.003124	0.58	0.66	2.90	0.39
River 1	Reach 1-Upper	261	2YrSCS24Hr	0.13	92.00	92.22	92.12	92.22	0.002466	0.39	0.33	2.27	0.32
River 1	Reach 1-Upper	261	5YrSCS24Hr	0.22	92.00	92.27	92.16	92.28	0.002719	0.47	0.46	2.53	0.35
River 1	Reach 1-Upper	261	10YrSCS24Hr	0.28	92.00	92.30	92.18	92.31	0.002908	0.52	0.54	2.68	0.37
River 1	Reach 1-Upper	261	25YrSCS24Hr	0.36	92.00	92.33	92.20	92.35	0.003077	0.57	0.63	2.84	0.38
River 1	Reach 1-Upper	261	50YrSCS24Hr	0.42	92.00	92.36	92.22	92.38	0.003155	0.60	0.70	2.97	0.39
River 1	Reach 1-Upper	261	100YrSCS24Hr	0.49	92.00	92.38	92.24	92.40	0.003314	0.63	0.77	3.10	0.41
River 1	Reach 1-Upper	239	2YrCHI3Hr	0.08	91.93	92.05	92.03	92.07	0.018146	0.68	0.12	1.54	0.79
River 1	Reach 1-Upper	239	5YrCHI3Hr	0.15	91.93	92.09	92.07	92.12	0.014163	0.75	0.20	1.88	0.73
River 1	Reach 1-Upper	239	10YrCHI3Hr	0.20	91.93	92.12	92.09	92.15	0.012598	0.78	0.25	2.06	0.71
River 1	Reach 1-Upper	239	25YrCHI3Hr	0.27	91.93	92.15	92.12	92.19	0.011181	0.82	0.33	2.23	0.69
River 1	Reach 1-Upper	239	50YrCHI3Hr	0.32	91.93	92.18	92.13	92.21	0.010479	0.85	0.38	2.36	0.68
River 1	Reach 1-Upper	239	100YrCHI3Hr	0.38	91.93	92.20	92.15	92.24	0.009912	0.88	0.44	2.49	0.67
River 1	Reach 1-Upper	239	2YrSCS24Hr	0.13	91.93	92.08	92.06	92.11	0.014943	0.73	0.18	1.79	0.75
River 1	Reach 1-Upper	239	5YrSCS24Hr	0.22	91.93	92.13	92.10	92.16	0.012137	0.79	0.27	2.10	0.70
River 1	Reach 1-Upper	239	10YrSCS24Hr	0.28	91.93	92.16	92.12	92.19	0.011036	0.83	0.34	2.26	0.68
River 1	Reach 1-Upper	239	25YrSCS24Hr	0.36	91.93	92.19	92.14	92.23	0.010147	0.86	0.41	2.43	0.67
River 1	Reach 1-Upper	239	50YrSCS24Hr	0.42	91.93	92.22	92.16	92.26	0.009585	0.89	0.47	2.56	0.66
River 1	Reach 1-Upper	239	100YrSCS24Hr	0.49	91.93	92.24	92.18	92.28	0.009080	0.91	0.54	2.69	0.65
River 1	Reach 1-Upper	218	2YrCHI3Hr	0.08	91.82	91.97	91.89	91.97	0.002000	0.29	0.27	2.48	0.28
River 1	Reach 1-Upper	218	5YrCHI3Hr	0.15	91.82	92.02	91.92	92.02	0.002151	0.37	0.40	2.72	0.30
River 1	Reach 1-Upper	218	10YrCHI3Hr	0.20	91.82	92.05	91.94	92.05	0.002198	0.40	0.49	2.86	0.31
River 1	Reach 1-Upper	218	25YrCHI3Hr	0.27	91.82	92.08	91.96	92.09	0.002327	0.45	0.59	3.03	0.33
River 1	Reach 1-Upper	218	50YrCHI3Hr	0.32	91.82	92.11	91.98	92.12	0.002390	0.49	0.67	3.15	0.34
River 1	Reach 1-Upper	218	100YrCHI3Hr	0.38	91.82	92.13	91.99	92.14	0.002438	0.52	0.75	3.27	0.34
River 1	Reach 1-Upper	218	2YrSCS24Hr	0.13	91.82	92.00	91.92	92.01	0.002117	0.35	0.37	2.66	0.30
River 1	Reach 1-Upper	218	5YrSCS24Hr	0.22	91.82	92.06	91.95	92.06	0.002238	0.42	0.51	2.91	0.32
River 1	Reach 1-Upper	218	10YrSCS24Hr	0.28	91.82	92.09	91.96	92.10	0.002340	0.46	0.60	3.05	0.33
River 1	Reach 1-Upper	218	25YrSCS24Hr	0.36	91.82	92.12	91.98	92.13	0.002418	0.50	0.71	3.22	0.34
River 1	Reach 1-Upper	218	50YrSCS24Hr	0.42	91.82	92.14	92.00	92.16	0.002473	0.53	0.79	3.36	0.35
River 1	Reach 1-Upper	218	100YrSCS24Hr	0.49	91.82	92.17	92.02	92.19	0.002504	0.56	0.88	3.53	0.35
River 1	Reach 1-Upper	197	2YrCHI3Hr	0.08	91.73	91.85	91.84	91.87	0.016181	0.66	0.12	1.55	0.75
River 1	Reach 1-Upper	197	5YrCHI3Hr	0.15	91.73	91.90	91.87	91.93	0.013293	0.73	0.20	1.87	0.72
River 1	Reach 1-Upper	197	10YrCHI3Hr	0.20	91.73	91.93	91.89	91.96	0.012335	0.78	0.25	2.02	0.71
River 1	Reach 1-Upper	197	25YrCHI3Hr	0.27	91.73	91.96	91.92	91.99	0.011527	0.84	0.32	2.18	0.70
River 1	Reach 1-Upper	197	50YrCHI3Hr	0.32	91.73	91.98	91.94	92.02	0.010809	0.87	0.37	2.29	0.69
River 1	Reach 1-Upper	197	100YrCHI3Hr	0.38	91.73	92.00	91.96	92.04	0.010540	0.91	0.42	2.39	0.68
River 1	Reach 1-Upper	197	2YrSCS24Hr	0.13	91.73	91.89	91.87	91.91	0.013973	0.71	0.18	1.81	0.72
River 1	Reach 1-Upper	197	5YrSCS24Hr	0.22	91.73	91.93	91.90	91.97	0.012083	0.80	0.27	2.06	0.70
River 1	Reach 1-Upper	197	10YrSCS24Hr	0.28	91.73	91.96	91.92	92.00	0.011418	0.84	0.33	2.20	0.70
River 1	Reach 1-Upper	197	25YrSCS24Hr	0.36	91.73	91.99	91.95	92.03	0.010650	0.89	0.40	2.34	0.69
River 1	Reach 1-Upper	197	50YrSCS24Hr	0.42	91.73	92.02	91.97	92.06	0.010407	0.93	0.45	2.44	0.69
River 1	Reach 1-Upper	197	100YrSCS24Hr	0.49	91.73	92.04	91.99	92.08	0.010221	0.96	0.51	2.55	0.69
River 1	Reach 1-Upper	174	2YrCHI3Hr	0.08	91.52	91.70	91.63	91.71	0.004212	0.41	0.19	1.80	0.40
River 1	Reach 1-Upper	174	5YrCHI3Hr	0.15	91.52	91.75	91.67	91.76	0.004464	0.50	0.30	2.17	0.43
River 1	Reach 1-Upper	174	10YrCHI3Hr	0.20	91.52	91.78	91.69	91.79	0.004633	0.55	0.36	2.31	0.45
River 1	Reach 1-Upper	174	25YrCHI3Hr	0.27	91.52	91.81	91.72	91.83	0.004788	0.61	0.44	2.47	0.46
River 1	Reach 1-Upper	174	50YrCHI3Hr	0.32	91.52	91.83	91.74	91.85	0.004947	0.65	0.50	2.58	0.48
River 1	Reach 1-Upper	174	100YrCHI3Hr	0.38	91.52	91.85	91.76	91.88	0.005078	0.69	0.56	2.69	0.49
River 1	Reach 1-Upper	174	2YrSCS24Hr	0.13	91.52	91.74	91.66	91.75	0.004366	0.47	0.27	2.08	0.42
River 1	Reach 1-Upper	174	5YrSCS24Hr	0.22	91.52	91.78	91.70	91.80	0.004685	0.57	0.38	2.35	0.45
River 1	Reach 1-Upper	174	10YrSCS24Hr	0.28	91.52	91.81	91.73	91.83	0.004821	0.62	0.45	2.49	0.46
River 1	Reach 1-Upper	174	25YrSCS24Hr	0.36	91.52	91.84	91.75	91.87	0.005024	0.67	0.53	2.65	0.48
River 1	Reach 1-Upper	174	50YrSCS24Hr	0.42	91.52	91.87	91.77	91.89	0.005141	0.71	0.59	2.76	0.49
River 1	Reach 1-Upper	174	100YrSCS24Hr	0.49	91.52	91.89	91.79	91.92	0.005179	0.75	0.66	2.87	0.50
River 1	Reach 1-Upper	154	2YrCHI3Hr	0.08	91.43	91.61	91.56	91.62	0.004328	0.39	0.21	2.16	0.40
River 1	Reach 1-Upper	154	5YrCHI3Hr	0.15	91.43	91.66	91.59	91.67	0.004181	0.46	0.32	2.60	0.41
River 1	Reach 1-Upper	154	10YrCHI3Hr	0.20	91.43	91.69	91.61	91.70	0.004190	0.49	0.40	2.83	0.42
River 1	Reach 1-Upper	154	25YrCHI3Hr	0.27	91.43	91.72	91.64	91.74	0.004087	0.53	0.50	3.11	0.42
River 1	Reach 1-Upper	154	50YrCHI3Hr	0.32	91.43	91.75	91.65	91.76	0.003985	0.56	0.58	3.28	0.43
River 1	Reach 1-Upper	154	100YrCHI3Hr	0.38	91.43	91.77	91.67	91.79	0.003882	0.58	0.66	3.44	0.43

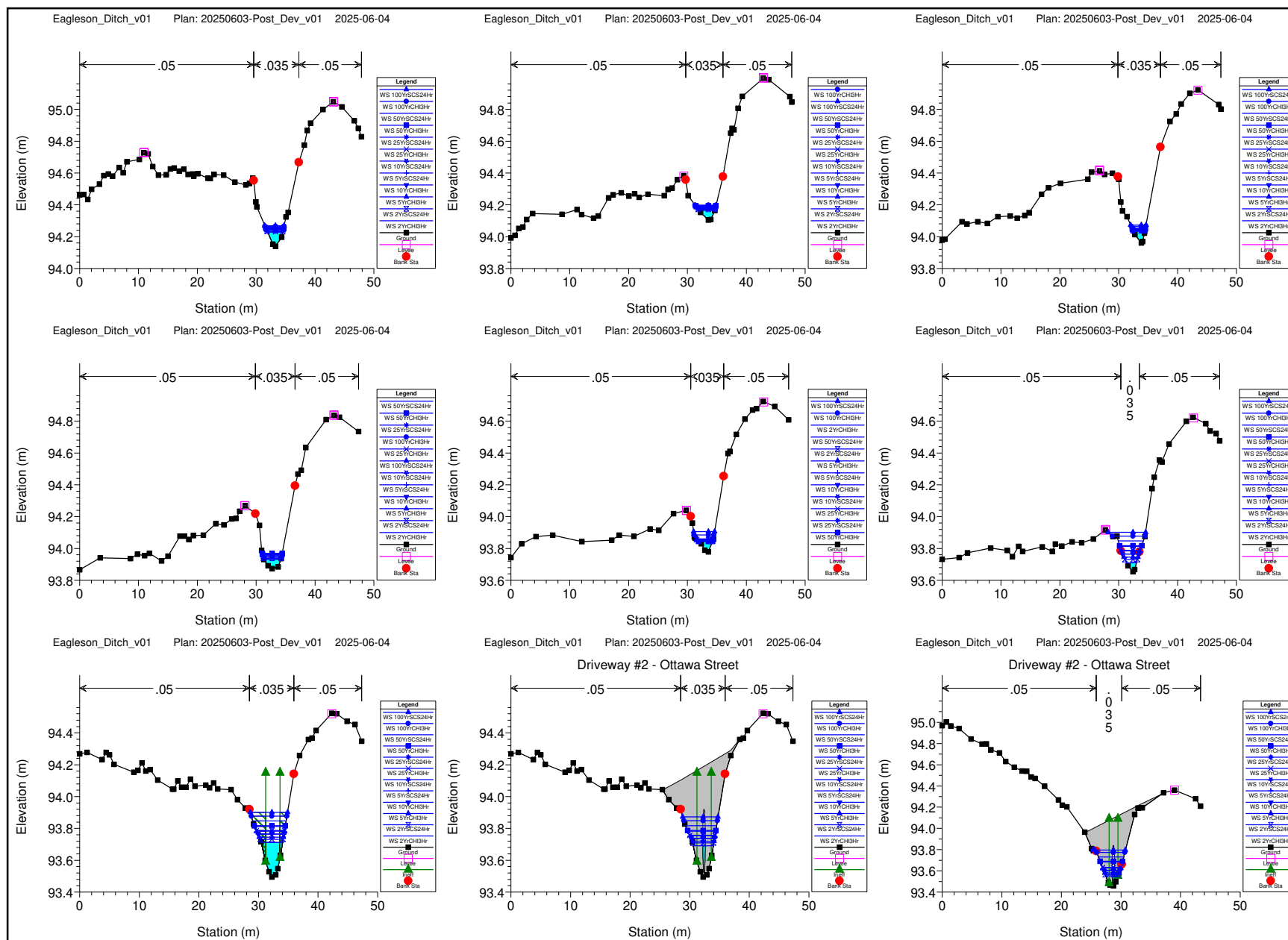
HEC-RAS Plan: 20250603-Pre_Dev_v01 (Continued)

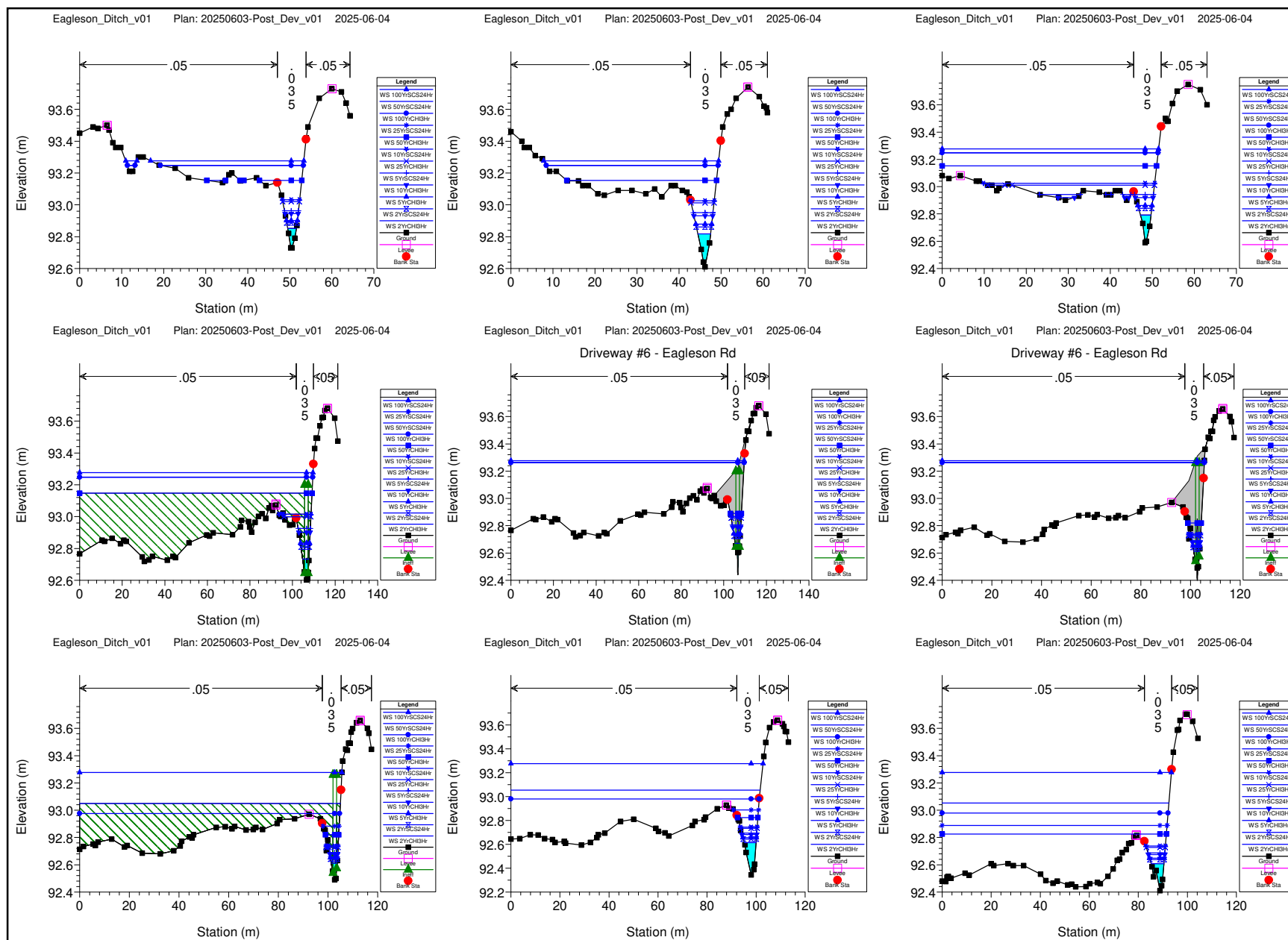
River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
River 1	Reach 1-Upper	154	2YrSCS24Hr	0.13	91.43	91.65	91.58	91.66	0.004251	0.44	0.29	2.49	0.41
River 1	Reach 1-Upper	154	5YrSCS24Hr	0.22	91.43	91.70	91.62	91.71	0.004167	0.51	0.43	2.91	0.42
River 1	Reach 1-Upper	154	10YrSCS24Hr	0.28	91.43	91.73	91.64	91.74	0.004071	0.54	0.51	3.14	0.43
River 1	Reach 1-Upper	154	25YrSCS24Hr	0.36	91.43	91.76	91.66	91.78	0.003925	0.57	0.62	3.37	0.43
River 1	Reach 1-Upper	154	50YrSCS24Hr	0.42	91.43	91.79	91.68	91.80	0.003830	0.60	0.71	3.53	0.43
River 1	Reach 1-Upper	154	100YrSCS24Hr	0.49	91.43	91.81	91.70	91.83	0.003747	0.62	0.79	3.69	0.43
River 1	Reach 1-Upper	137	2YrCHI3Hr	0.08	91.33	91.48	91.46	91.50	0.012189	0.63	0.13	1.39	0.66
River 1	Reach 1-Upper	137	5YrCHI3Hr	0.15	91.33	91.53	91.50	91.56	0.011338	0.73	0.20	1.65	0.67
River 1	Reach 1-Upper	137	10YrCHI3Hr	0.20	91.33	91.56	91.52	91.59	0.011017	0.79	0.25	1.80	0.67
River 1	Reach 1-Upper	137	25YrCHI3Hr	0.27	91.33	91.60	91.55	91.63	0.010550	0.84	0.32	1.99	0.67
River 1	Reach 1-Upper	137	50YrCHI3Hr	0.32	91.33	91.62	91.57	91.66	0.010206	0.88	0.37	2.12	0.67
River 1	Reach 1-Upper	137	100YrCHI3Hr	0.38	91.33	91.65	91.59	91.69	0.009820	0.90	0.42	2.25	0.66
River 1	Reach 1-Upper	137	2YrSCS24Hr	0.13	91.33	91.52	91.49	91.54	0.011464	0.71	0.18	1.58	0.67
River 1	Reach 1-Upper	137	5YrSCS24Hr	0.22	91.33	91.57	91.53	91.60	0.010898	0.80	0.27	1.85	0.67
River 1	Reach 1-Upper	137	10YrSCS24Hr	0.28	91.33	91.60	91.55	91.64	0.010487	0.85	0.33	2.01	0.67
River 1	Reach 1-Upper	137	25YrSCS24Hr	0.36	91.33	91.63	91.58	91.68	0.009938	0.89	0.40	2.20	0.67
River 1	Reach 1-Upper	137	50YrSCS24Hr	0.42	91.33	91.66	91.60	91.70	0.009574	0.92	0.46	2.33	0.66
River 1	Reach 1-Upper	137	100YrSCS24Hr	0.49	91.33	91.69	91.62	91.73	0.009283	0.95	0.52	2.46	0.66
River 1	Reach 1-Upper	116	2YrCHI3Hr	0.08	91.23	91.38	91.32	91.39	0.003082	0.36	0.22	2.06	0.35
River 1	Reach 1-Upper	116	5YrCHI3Hr	0.15	91.23	91.43	91.35	91.44	0.002930	0.42	0.35	2.36	0.35
River 1	Reach 1-Upper	116	10YrCHI3Hr	0.20	91.23	91.47	91.37	91.48	0.002864	0.46	0.43	2.55	0.36
River 1	Reach 1-Upper	116	25YrCHI3Hr	0.27	91.23	91.51	91.39	91.52	0.002818	0.50	0.54	2.77	0.36
River 1	Reach 1-Upper	116	50YrCHI3Hr	0.32	91.23	91.54	91.41	91.55	0.002807	0.52	0.62	2.92	0.36
River 1	Reach 1-Upper	116	100YrCHI3Hr	0.38	91.23	91.56	91.42	91.58	0.002814	0.55	0.70	3.06	0.37
River 1	Reach 1-Upper	116	2YrSCS24Hr	0.13	91.23	91.42	91.34	91.43	0.002964	0.41	0.31	2.29	0.35
River 1	Reach 1-Upper	116	5YrSCS24Hr	0.22	91.23	91.48	91.37	91.49	0.002843	0.47	0.46	2.61	0.36
River 1	Reach 1-Upper	116	10YrSCS24Hr	0.28	91.23	91.51	91.39	91.53	0.002817	0.50	0.55	2.79	0.36
River 1	Reach 1-Upper	116	25YrSCS24Hr	0.36	91.23	91.55	91.42	91.57	0.002792	0.54	0.66	3.00	0.37
River 1	Reach 1-Upper	116	50YrSCS24Hr	0.42	91.23	91.58	91.43	91.60	0.002600	0.55	0.76	3.16	0.36
River 1	Reach 1-Upper	116	100YrSCS24Hr	0.49	91.23	91.61	91.45	91.63	0.002607	0.58	0.85	3.28	0.36
River 1	Reach 1-Upper	95	2YrCHI3Hr	0.08	91.07	91.28	91.23	91.29	0.006001	0.51	0.16	1.35	0.48
River 1	Reach 1-Upper	95	5YrCHI3Hr	0.15	91.07	91.33	91.27	91.35	0.006981	0.63	0.23	1.60	0.53
River 1	Reach 1-Upper	95	10YrCHI3Hr	0.20	91.07	91.36	91.30	91.39	0.007514	0.71	0.28	1.73	0.56
River 1	Reach 1-Upper	95	25YrCHI3Hr	0.27	91.07	91.39	91.33	91.43	0.008051	0.78	0.34	1.89	0.59
River 1	Reach 1-Upper	95	50YrCHI3Hr	0.32	91.07	91.42	91.35	91.45	0.008531	0.84	0.38	1.99	0.61
River 1	Reach 1-Upper	95	100YrCHI3Hr	0.38	91.07	91.42	91.37	91.47	0.011364	0.98	0.39	2.01	0.71
River 1	Reach 1-Upper	95	2YrSCS24Hr	0.13	91.07	91.32	91.26	91.34	0.006833	0.61	0.21	1.53	0.52
River 1	Reach 1-Upper	95	5YrSCS24Hr	0.22	91.07	91.37	91.30	91.40	0.007484	0.72	0.30	1.78	0.56
River 1	Reach 1-Upper	95	10YrSCS24Hr	0.28	91.07	91.40	91.33	91.43	0.008260	0.80	0.35	1.90	0.60
River 1	Reach 1-Upper	95	25YrSCS24Hr	0.36	91.07	91.43	91.36	91.47	0.008800	0.87	0.41	2.08	0.63
River 1	Reach 1-Upper	95	50YrSCS24Hr	0.42	91.07	91.39	91.38	91.47	0.022828	1.30	0.32	1.85	0.99
River 1	Reach 1-Upper	95	100YrSCS24Hr	0.49	91.07	91.41	91.41	91.50	0.022422	1.34	0.37	1.95	0.99
River 1	Reach 1-Upper	72	2YrCHI3Hr	0.08	90.91	91.00	91.00	91.03	0.030836	0.74	0.11	1.93	0.99
River 1	Reach 1-Upper	72	5YrCHI3Hr	0.15	90.91	91.03	91.03	91.07	0.028202	0.84	0.18	2.40	0.99
River 1	Reach 1-Upper	72	10YrCHI3Hr	0.20	90.91	91.05	91.05	91.09	0.027394	0.90	0.22	2.63	0.99
River 1	Reach 1-Upper	72	25YrCHI3Hr	0.27	90.91	91.07	91.07	91.12	0.026901	0.98	0.27	2.82	1.01
River 1	Reach 1-Upper	72	50YrCHI3Hr	0.32	90.91	91.08	91.08	91.14	0.025605	1.02	0.32	2.96	1.00
River 1	Reach 1-Upper	72	100YrCHI3Hr	0.38	90.91	91.11	91.10	91.16	0.016324	0.92	0.42	3.23	0.82
River 1	Reach 1-Upper	72	2YrSCS24Hr	0.13	90.91	91.02	91.02	91.06	0.027869	0.80	0.16	2.30	0.97
River 1	Reach 1-Upper	72	5YrSCS24Hr	0.22	90.91	91.05	91.05	91.10	0.028793	0.94	0.23	2.67	1.02
River 1	Reach 1-Upper	72	10YrSCS24Hr	0.28	90.91	91.07	91.07	91.12	0.025957	0.98	0.28	2.86	0.99
River 1	Reach 1-Upper	72	25YrSCS24Hr	0.36	90.91	91.09	91.09	91.15	0.025859	1.06	0.34	3.02	1.01
River 1	Reach 1-Upper	72	50YrSCS24Hr	0.42	90.91	91.17	91.11	91.19	0.006772	0.70	0.60	3.69	0.55
River 1	Reach 1-Upper	72	100YrSCS24Hr	0.49	90.91	91.24	91.12	91.26	0.002972	0.55	0.89	4.14	0.38
River 1	Reach 1-Lower	56	2YrCHI3Hr	0.14	90.47	90.73	90.57	90.73	0.000365	0.19	0.73	10.09	0.13
River 1	Reach 1-Lower	56	5YrCHI3Hr	0.26	90.47	90.84	90.60	90.85	0.000293	0.23	1.14	14.27	0.13
River 1	Reach 1-Lower	56	10YrCHI3Hr	0.36	90.47	90.92	90.62	90.92	0.000277	0.26	1.40	17.00	0.13
River 1	Reach 1-Lower	56	25YrCHI3Hr	0.49	90.47	91.01	90.64	91.01	0.000267	0.29	1.71	19.79	0.13
River 1	Reach 1-Lower	56	50YrCHI3Hr	0.60	90.47	91.07	90.66	91.08	0.000264	0.31	1.93	20.02	0.13
River 1	Reach 1-Lower	56	100YrCHI3Hr	0.72	90.47	91.13	90.68	91.14	0.000264	0.34	2.15	20.02	0.14
River 1	Reach 1-Lower	56	2YrSCS24Hr	0.23	90.47	90.82	90.59	90.82	0.000307	0.22	1.05	13.08	0.13
River 1	Reach 1-Lower	56	5YrSCS24Hr	0.40	90.47	90.95	90.63	90.95	0.000273	0.27	1.50	18.26	0.13
River 1	Reach 1-Lower	56	10YrSCS24Hr	0.52	90.47	91.02	90.65	91.02	0.000269	0.29	1.75	19.92	0.13
River 1	Reach 1-Lower	56	25YrSCS24Hr	0.68	90.47	91.11	90.67	91.12	0.000263	0.33	2.07	20.02	0.14
River 1	Reach 1-Lower	56	50YrSCS24Hr	0.80	90.47	91.17	90.70	91.18	0.000261	0.35	2.30	20.02	0.14
River 1	Reach 1-Lower	56	100YrSCS24Hr	0.94	90.47	91.24	90.71	91.25	0.000262	0.37	2.53	20.02	0.14
River 1	Reach 1-Lower	50		Culvert									
River 1	Reach 1-Lower	38	2YrCHI3Hr	0.14	90.46	90.57	90.53	90.58	0.004969	0.42	0.33	30.00	0.43
River 1	Reach 1-Lower	38	5YrCHI3Hr	0.26	90.46	90.60	90.55	90.62	0.006999	0.60	0.44	34.38	0.54
River 1	Reach 1-Lower	38	10YrCHI3Hr	0.36	90.46	90.61	90.57	90.64	0.008612	0.72	0.50	35.69	0.61
River 1	Reach 1-Lower	38	25YrCHI3Hr	0.49	90.46	90.63	90.60	90.67	0.010692	0.87	0.56	36.54	0.70
River 1	Reach 1-Lower	38	50YrCHI3Hr	0.60	90.46	90.64	90.62	90.69	0.012409	0.99	0.61	36.97	0.76
River 1	Reach 1-Lower	38	100YrCHI3Hr	0.72	90.46	90.66	90.64	90.72	0.014104	1.11	0.65	37.73	0.82
River 1	Reach 1-Lower	38	2YrSCS24Hr	0.23	90.46	90.59	90.55	90.61	0.006395	0.56	0.42	33.55	0.51
River 1	Reach 1-Lower	38	5YrSCS24Hr	0.40	90.46	90.62	90.58	90.65	0.009230	0.77	0.52	36.26	0.64
River 1	Reach 1-Lower	38	10YrSCS24Hr	0.52	90.46	90.64	90.60	90.68	0.011069	0.90	0.57	36.60	0.71
River 1	Reach 1-Lower	38	25YrSCS24Hr	0.68	90.46	90.65	90.63	90.71	0.013373	1.06	0.64	37.45	0.79
River 1	Reach 1-Lower	38	50YrSCS24Hr	0.80	90.46	90.66	90.64	90.74	0.015442	1.19	0.68	38.06	0.86
River 1	Reach 1-Lower	38	100YrSCS24Hr	0.94	90.46	90.67	90.66	90.76	0.018005	1.32	0.71	38.54	0.94
River 1	Reach 1-Lower	0	2YrCHI3Hr	0.14	90.42	90.50	90.46	90.50	0.001001	0.13	1.06	18.74	0.18
River 1	Reach 1-Lower	0	5YrCHI3Hr	0.26	90.42	90.53	90.47	90.53	0.001000	0.17	1.59	20.04	0.19
River 1	Reach 1-Lower	0	10YrCHI3Hr	0.36	90.42	90.54	90.48	90.55	0.001000	0.19	1.92	20.29	0.19

HEC-RAS Plan: 20250603-Pre_Dev_v01 (Continued)

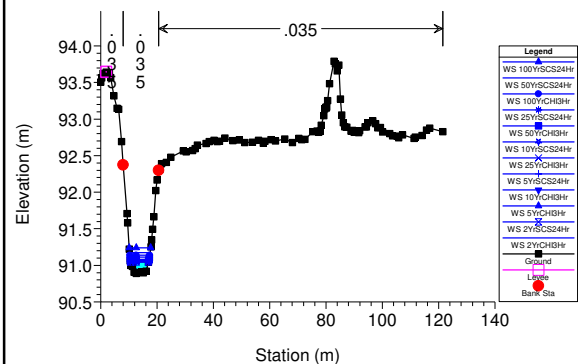
River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
River 1	Reach 1-Lower	0	25YrCHI3Hr	0.49	90.42	90.56	90.49	90.57	0.001001	0.21	2.33	20.58	0.20
River 1	Reach 1-Lower	0	50YrCHI3Hr	0.60	90.42	90.58	90.49	90.58	0.001000	0.23	2.64	20.80	0.20
River 1	Reach 1-Lower	0	100YrCHI3Hr	0.72	90.42	90.59	90.50	90.60	0.001000	0.24	2.98	21.46	0.21
River 1	Reach 1-Lower	0	2YrSCS24Hr	0.23	90.42	90.52	90.46	90.52	0.001000	0.16	1.47	19.96	0.19
River 1	Reach 1-Lower	0	5YrSCS24Hr	0.40	90.42	90.55	90.48	90.55	0.001001	0.20	2.05	20.38	0.20
River 1	Reach 1-Lower	0	10YrSCS24Hr	0.52	90.42	90.57	90.48	90.57	0.001001	0.22	2.40	20.63	0.20
River 1	Reach 1-Lower	0	25YrSCS24Hr	0.68	90.42	90.59	90.49	90.59	0.001000	0.24	2.85	21.31	0.21
River 1	Reach 1-Lower	0	50YrSCS24Hr	0.80	90.42	90.60	90.50	90.61	0.001001	0.25	3.18	21.58	0.21
River 1	Reach 1-Lower	0	100YrSCS24Hr	0.94	90.42	90.62	90.51	90.62	0.001000	0.27	3.51	21.78	0.21



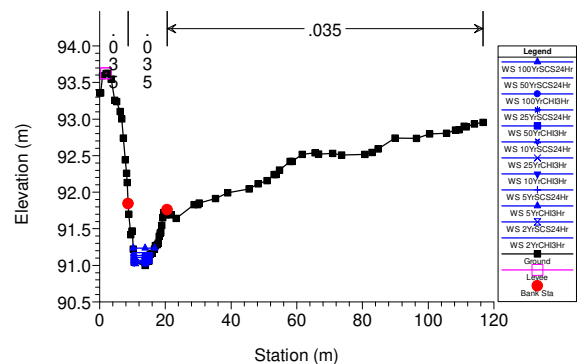




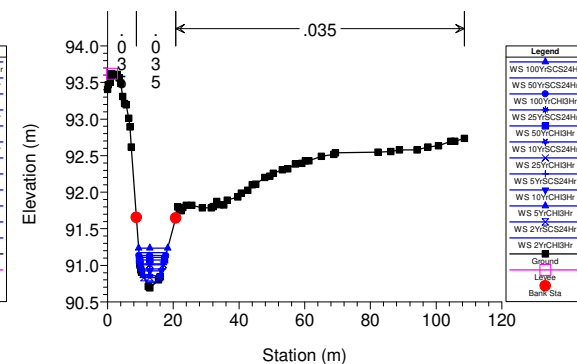
Eagleson_Ditch_v01 Plan: 20250603-Post_Dev_v01 2025-06-04



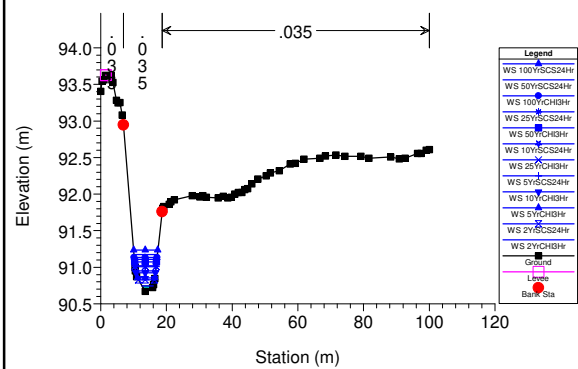
Eagleson_Ditch_v01 Plan: 20250603-Post_Dev_v01 2025-06-04



Eagleson_Ditch_v01 Plan: 20250603-Post_Dev_v01 2025-06-04



Eagleson_Ditch_v01 Plan: 20250603-Post_Dev_v01 2025-06-04



River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
River 2	Reach 2	224	2YrCHI3Hr	0.02	91.68	91.76	91.71	91.76	0.000697	0.09	0.23	5.59	0.14
River 2	Reach 2	224	5YrCHI3Hr	0.03	91.68	91.77	91.72	91.77	0.000738	0.10	0.31	6.45	0.15
River 2	Reach 2	224	10YrCHI3Hr	0.04	91.68	91.78	91.72	91.78	0.000754	0.11	0.34	6.51	0.15
River 2	Reach 2	224	25YrCHI3Hr	0.05	91.68	91.78	91.73	91.79	0.000756	0.12	0.39	6.61	0.16
River 2	Reach 2	224	50YrCHI3Hr	0.06	91.68	91.79	91.73	91.79	0.000763	0.13	0.44	6.71	0.16
River 2	Reach 2	224	100YrCHI3Hr	0.07	91.68	91.80	91.74	91.80	0.000773	0.14	0.50	6.81	0.16
River 2	Reach 2	224	2YrSCS24Hr	0.02	91.68	91.76	91.72	91.76	0.000717	0.09	0.25	5.79	0.14
River 2	Reach 2	224	5YrSCS24Hr	0.04	91.68	91.78	91.73	91.78	0.000753	0.11	0.35	6.53	0.15
River 2	Reach 2	224	10YrSCS24Hr	0.05	91.68	91.79	91.73	91.79	0.000757	0.12	0.41	6.65	0.16
River 2	Reach 2	224	25YrSCS24Hr	0.07	91.68	91.80	91.74	91.80	0.000769	0.14	0.48	6.78	0.16
River 2	Reach 2	224	50YrSCS24Hr	0.08	91.68	91.81	91.74	91.81	0.000794	0.15	0.54	6.88	0.17
River 2	Reach 2	224	100YrSCS24Hr	0.09	91.68	91.81	91.75	91.82	0.000800	0.16	0.60	6.99	0.17
River 2	Reach 2	199	2YrCHI3Hr	0.02	91.68	91.75	91.71	91.75	0.000471	0.07	0.28	6.87	0.12
River 2	Reach 2	199	5YrCHI3Hr	0.03	91.68	91.76	91.71	91.76	0.000460	0.08	0.37	7.09	0.12
River 2	Reach 2	199	10YrCHI3Hr	0.04	91.68	91.76	91.72	91.76	0.000521	0.09	0.39	7.17	0.13
River 2	Reach 2	199	25YrCHI3Hr	0.05	91.68	91.77	91.72	91.77	0.000549	0.10	0.45	7.32	0.13
River 2	Reach 2	199	50YrCHI3Hr	0.06	91.68	91.78	91.72	91.78	0.000569	0.11	0.50	7.42	0.14
River 2	Reach 2	199	100YrCHI3Hr	0.07	91.68	91.78	91.73	91.78	0.000591	0.12	0.56	7.51	0.14
River 2	Reach 2	199	2YrSCS24Hr	0.02	91.68	91.75	91.71	91.75	0.000474	0.08	0.30	6.91	0.12
River 2	Reach 2	199	5YrSCS24Hr	0.04	91.68	91.76	91.72	91.76	0.000522	0.10	0.41	7.20	0.13
River 2	Reach 2	199	10YrSCS24Hr	0.05	91.68	91.77	91.72	91.77	0.000558	0.11	0.47	7.37	0.14
River 2	Reach 2	199	25YrSCS24Hr	0.07	91.68	91.78	91.72	91.78	0.000582	0.12	0.55	7.49	0.14
River 2	Reach 2	199	50YrSCS24Hr	0.08	91.68	91.79	91.73	91.79	0.000628	0.13	0.60	7.57	0.15
River 2	Reach 2	199	100YrSCS24Hr	0.09	91.68	91.80	91.73	91.80	0.000634	0.14	0.66	7.67	0.15
River 2	Reach 2	174	2YrCHI3Hr	0.02	91.68	91.71	91.70	91.72	0.008871	0.23	0.09	3.47	0.47
River 2	Reach 2	174	5YrCHI3Hr	0.03	91.68	91.72	91.71	91.72	0.009858	0.28	0.11	3.63	0.51
River 2	Reach 2	174	10YrCHI3Hr	0.04	91.68	91.72	91.71	91.73	0.009862	0.30	0.12	3.70	0.51
River 2	Reach 2	174	25YrCHI3Hr	0.05	91.68	91.73	91.72	91.73	0.010482	0.33	0.14	3.80	0.54
River 2	Reach 2	174	50YrCHI3Hr	0.06	91.68	91.73	91.72	91.74	0.010789	0.35	0.16	3.90	0.56
River 2	Reach 2	174	100YrCHI3Hr	0.07	91.68	91.74	91.72	91.75	0.011338	0.38	0.18	3.99	0.58
River 2	Reach 2	174	2YrSCS24Hr	0.02	91.68	91.71	91.70	91.72	0.009099	0.24	0.09	3.51	0.48
River 2	Reach 2	174	5YrSCS24Hr	0.04	91.68	91.73	91.71	91.73	0.009102	0.29	0.13	3.75	0.50
River 2	Reach 2	174	10YrSCS24Hr	0.05	91.68	91.73	91.72	91.74	0.010830	0.34	0.15	3.84	0.55
River 2	Reach 2	174	25YrSCS24Hr	0.07	91.68	91.74	91.72	91.74	0.010024	0.36	0.18	4.01	0.55
River 2	Reach 2	174	50YrSCS24Hr	0.08	91.68	91.74	91.73	91.75	0.010794	0.40	0.20	4.08	0.57
River 2	Reach 2	174	100YrSCS24Hr	0.09	91.68	91.75	91.73	91.76	0.010716	0.42	0.22	4.15	0.58
River 2	Reach 2	149	2YrCHI3Hr	0.02	91.22	91.26	91.26	91.26	0.055689	0.39	0.05	3.77	1.06
River 2	Reach 2	149	5YrCHI3Hr	0.03	91.22	91.26	91.26	91.27	0.043989	0.40	0.08	4.47	0.97
River 2	Reach 2	149	10YrCHI3Hr	0.04	91.22	91.26	91.26	91.27	0.044110	0.43	0.09	4.54	0.99
River 2	Reach 2	149	25YrCHI3Hr	0.05	91.22	91.27	91.27	91.28	0.039832	0.45	0.10	4.68	0.97
River 2	Reach 2	149	50YrCHI3Hr	0.06	91.22	91.27	91.27	91.28	0.037244	0.47	0.12	4.80	0.95
River 2	Reach 2	149	100YrCHI3Hr	0.07	91.22	91.27	91.27	91.29	0.034157	0.49	0.14	4.94	0.93
River 2	Reach 2	149	2YrSCS24Hr	0.02	91.22	91.26	91.26	91.26	0.052399	0.39	0.06	3.96	1.03
River 2	Reach 2	149	5YrSCS24Hr	0.04	91.22	91.26	91.26	91.27	0.052134	0.46	0.08	4.53	1.07
River 2	Reach 2	149	10YrSCS24Hr	0.05	91.22	91.27	91.27	91.28	0.037535	0.46	0.11	4.74	0.95
River 2	Reach 2	149	25YrSCS24Hr	0.07	91.22	91.27	91.27	91.29	0.044620	0.53	0.13	4.83	1.05
River 2	Reach 2	149	50YrSCS24Hr	0.08	91.22	91.28	91.28	91.29	0.037650	0.53	0.15	5.00	0.98
River 2	Reach 2	149	100YrSCS24Hr	0.09	91.22	91.28	91.28	91.30	0.038788	0.57	0.16	5.05	1.01
River 2	Reach 2	124	2YrCHI3Hr	0.02	90.90	91.05	90.93	91.05	0.000047	0.04	0.51	5.19	0.04
River 2	Reach 2	124	5YrCHI3Hr	0.03	90.90	91.06	90.94	91.06	0.000089	0.06	0.55	5.84	0.06
River 2	Reach 2	124	10YrCHI3Hr	0.04	90.90	91.06	90.94	91.06	0.000122	0.06	0.59	6.56	0.07
River 2	Reach 2	124	25YrCHI3Hr	0.05	90.90	91.07	90.95	91.07	0.000154	0.07	0.64	6.76	0.08
River 2	Reach 2	124	50YrCHI3Hr	0.06	90.90	91.08	90.95	91.08	0.000148	0.08	0.74	7.10	0.08
River 2	Reach 2	124	100YrCHI3Hr	0.07	90.90	91.14	90.95	91.14	0.000055	0.06	1.18	8.05	0.05
River 2	Reach 2	124	2YrSCS24Hr	0.02	90.90	91.05	90.93	91.05	0.000054	0.04	0.51	5.22	0.05
River 2	Reach 2	124	5YrSCS24Hr	0.04	90.90	91.06	90.94	91.06	0.000129	0.07	0.60	6.60	0.07
River 2	Reach 2	124	10YrSCS24Hr	0.05	90.90	91.07	90.95	91.07	0.000166	0.08	0.66	6.83	0.08
River 2	Reach 2	124	25YrSCS24Hr	0.07	90.90	91.11	90.95	91.12	0.000090	0.07	0.98	7.81	0.06
River 2	Reach 2	124	50YrSCS24Hr	0.08	90.90	91.18	90.96	91.18	0.000036	0.05	1.48	8.41	0.04
River 2	Reach 2	124	100YrSCS24Hr	0.09	90.90	91.24	90.96	91.24	0.000020	0.05	2.03	9.41	0.03
River 2	Reach 2	99	2YrCHI3Hr	0.02	90.90	91.05	90.93	91.05	0.000014	0.02	0.84	7.48	0.02
River 2	Reach 2	99	5YrCHI3Hr	0.03	90.90	91.05	90.93	91.05	0.000024	0.03	0.91	7.55	0.03
River 2	Reach 2	99	10YrCHI3Hr	0.04	90.90	91.06	90.93	91.06	0.000030	0.04	0.94	7.58	0.04
River 2	Reach 2	99	25YrCHI3Hr	0.05	90.90	91.07	90.93	91.07	0.000041	0.05	1.00	7.64	0.04
River 2	Reach 2	99	50YrCHI3Hr	0.06	90.90	91.08	90.94	91.08	0.000043	0.05	1.11	7.76	0.04
River 2	Reach 2	99	100YrCHI3Hr	0.07	90.90	91.14	90.94	91.14	0.000021	0.04	1.57	8.21	0.03
River 2	Reach 2	99	2YrSCS24Hr	0.02	90.90	91.05	90.92	91.05	0.000016	0.03	0.86	7.49	0.03
River 2	Reach 2	99	5YrSCS24Hr	0.04	90.90	91.06	90.93	91.06	0.000032	0.04	0.96	7.60	0.04
River 2	Reach 2	99	10YrSCS24Hr	0.05	90.90	91.07	90.94	91.07	0.000045	0.05	1.02	7.67	0.04
River 2	Reach 2	99	25YrSCS24Hr	0.07	90.90	91.11	90.94	91.11	0.000030	0.05	1.37	8.01	0.04
River 2	Reach 2	99	50YrSCS24Hr	0.08	90.90	91.18	90.94	91.18	0.000016	0.04	1.88	8.49	0.03
River 2	Reach 2	99	100YrSCS24Hr	0.09	90.90	91.24	90.95	91.24	0.000010	0.04	2.43	8.94	0.02
River 2	Reach 2	74	2YrCHI3Hr	0.02	90.89	91.05	90.92	91.05	0.000016	0.03	0.76	6.41	0.03
River 2	Reach 2	74	5YrCHI3Hr	0.03	90.89	91.05	90.92	91.05	0.000029	0.04	0.81	6.48	0.03
River 2	Reach 2	74	10YrCHI3Hr	0.04	90.89	91.06	90.92	91.06	0.000037	0.04	0.84	6.52	0.04
River 2	Reach 2	74	25YrCHI3Hr	0.05	90.89	91.07	90.93	91.07	0.000050	0.05	0.89	6.57	0.05
River 2	Reach 2	74	50YrCHI3Hr	0.06	90.89	91.08	90.93	91.08	0.000053	0.06	0.98	6.68	0.05
River 2	Reach 2	74	100YrCHI3Hr	0.07	90.89	91.14	90.93	91.14	0.000027	0.05	1.39	7.06	0.04
River 2	Reach 2	74	2YrSCS24Hr	0.02	90.89	91.05	90.92	91.05	0.000019	0.03	0.77	6.42	0.03
River 2	Reach 2	74	5YrSCS24Hr	0.04	90.89	91.06	90.92	91.06	0.000039	0.05	0.85	6.53	0.04
River 2	Reach 2	74	10YrSCS24Hr	0.05	90.89	91.07	90.93	91.07	0.000055	0.06	0.91	6.59	0.05
River 2	Reach 2	74	25YrSCS24Hr	0.07	90.89	91.11	90.93	91.11	0.000038	0.05	1.21	6.91	0.04
River 2	Reach 2	74	50YrSCS24Hr	0.08	90.89	91.18	90.93	91.18	0.000020	0.05	1.65	7.28	0.03
River 2	Reach 2	74	100YrSCS24Hr	0.09	90.89	91.24	90.94	91.24	0.000013	0.04	2.12	7.64	0.03

HEC-RAS Plan: 20250603-Post_Dev_v01 (Continued)

River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
River 2	Reach 2	49	2YrCHI3Hr	0.02	91.00	91.03	91.03	91.04	0.054210	0.44	0.05	2.78	1.08
River 2	Reach 2	49	5YrCHI3Hr	0.03	91.00	91.04	91.04	91.05	0.044076	0.45	0.07	3.35	1.00
River 2	Reach 2	49	10YrCHI3Hr	0.04	91.00	91.04	91.04	91.05	0.038624	0.46	0.08	3.50	0.96
River 2	Reach 2	49	25YrCHI3Hr	0.05	91.00	91.05	91.05	91.06	0.042954	0.52	0.09	3.52	1.03
River 2	Reach 2	49	50YrCHI3Hr	0.06	91.00	91.07	91.05	91.08	0.007772	0.32	0.18	3.99	0.48
River 2	Reach 2	49	100YrCHI3Hr	0.07	91.00	91.14	91.05	91.14	0.000594	0.15	0.48	4.93	0.15
River 2	Reach 2	49	2YrSCS24Hr	0.02	91.00	91.04	91.04	91.04	0.038802	0.40	0.06	3.06	0.93
River 2	Reach 2	49	5YrSCS24Hr	0.04	91.00	91.04	91.04	91.06	0.043713	0.48	0.08	3.50	1.02
River 2	Reach 2	49	10YrSCS24Hr	0.05	91.00	91.05	91.05	91.06	0.037160	0.51	0.10	3.53	0.97
River 2	Reach 2	49	25YrSCS24Hr	0.07	91.00	91.11	91.05	91.11	0.001479	0.19	0.34	4.59	0.23
River 2	Reach 2	49	50YrSCS24Hr	0.08	91.00	91.17	91.06	91.17	0.000297	0.12	0.68	5.81	0.11
River 2	Reach 2	49	100YrSCS24Hr	0.09	91.00	91.24	91.06	91.24	0.000105	0.09	1.07	6.54	0.07
River 2	Reach 2	28	2YrCHI3Hr	0.02	90.69	90.77	90.73	90.77	0.001515	0.14	0.13	3.11	0.21
River 2	Reach 2	28	5YrCHI3Hr	0.03	90.69	90.86	90.75	90.86	0.000133	0.07	0.50	5.25	0.07
River 2	Reach 2	28	10YrCHI3Hr	0.05	90.69	90.93	90.75	90.93	0.000046	0.05	0.90	6.29	0.04
River 2	Reach 2	28	25YrCHI3Hr	0.06	90.69	91.01	90.76	91.01	0.000020	0.04	1.46	7.11	0.03
River 2	Reach 2	28	50YrCHI3Hr	0.08	90.69	91.07	90.77	91.07	0.000013	0.04	1.93	7.65	0.03
River 2	Reach 2	28	100YrCHI3Hr	0.09	90.69	91.14	90.78	91.14	0.000009	0.04	2.43	8.13	0.02
River 2	Reach 2	28	2YrSCS24Hr	0.03	90.69	90.83	90.74	90.83	0.000261	0.08	0.37	4.76	0.10
River 2	Reach 2	28	5YrSCS24Hr	0.05	90.69	90.95	90.76	90.95	0.000035	0.05	1.06	6.56	0.04
River 2	Reach 2	28	10YrSCS24Hr	0.07	90.69	91.02	90.76	91.02	0.000019	0.04	1.55	7.24	0.03
River 2	Reach 2	28	25YrSCS24Hr	0.09	90.69	91.11	90.77	91.11	0.000011	0.04	2.21	7.92	0.02
River 2	Reach 2	28	50YrSCS24Hr	0.11	90.69	91.17	90.78	91.17	0.000008	0.04	2.74	8.41	0.02
River 2	Reach 2	28	100YrSCS24Hr	0.13	90.69	91.24	90.79	91.24	0.000007	0.04	3.29	8.89	0.02
River 2	Reach 2	7	2YrCHI3Hr	0.02	90.67	90.75	90.71	90.75	0.001146	0.12	0.15	3.37	0.18
River 2	Reach 2	7	5YrCHI3Hr	0.03	90.67	90.86	90.72	90.86	0.000063	0.05	0.62	5.26	0.05
River 2	Reach 2	7	10YrCHI3Hr	0.05	90.67	90.92	90.73	90.92	0.000028	0.05	1.02	5.92	0.04
River 2	Reach 2	7	25YrCHI3Hr	0.06	90.67	91.01	90.73	91.01	0.000014	0.04	1.54	6.42	0.03
River 2	Reach 2	7	50YrCHI3Hr	0.08	90.67	91.07	90.74	91.07	0.000010	0.04	1.96	6.69	0.02
River 2	Reach 2	7	100YrCHI3Hr	0.09	90.67	91.14	90.74	91.14	0.000008	0.04	2.39	6.96	0.02
River 2	Reach 2	7	2YrSCS24Hr	0.03	90.67	90.83	90.72	90.83	0.000105	0.06	0.49	4.81	0.06
River 2	Reach 2	7	5YrSCS24Hr	0.05	90.67	90.95	90.73	90.95	0.000023	0.05	1.17	6.11	0.03
River 2	Reach 2	7	10YrSCS24Hr	0.07	90.67	91.02	90.73	91.02	0.000014	0.04	1.63	6.48	0.03
River 2	Reach 2	7	25YrSCS24Hr	0.09	90.67	91.11	90.74	91.11	0.000010	0.04	2.20	6.84	0.02
River 2	Reach 2	7	50YrSCS24Hr	0.11	90.67	91.17	90.75	91.17	0.000008	0.04	2.66	7.12	0.02
River 2	Reach 2	7	100YrSCS24Hr	0.13	90.67	91.24	90.76	91.24	0.000007	0.04	3.11	7.38	0.02
River 1	Reach 1-Upper	908	2YrCHI3Hr	0.02	94.14	94.23	94.19	94.23	0.001752	0.17	0.14	2.59	0.23
River 1	Reach 1-Upper	908	5YrCHI3Hr	0.03	94.14	94.24	94.19	94.24	0.001946	0.19	0.17	2.76	0.25
River 1	Reach 1-Upper	908	10YrCHI3Hr	0.04	94.14	94.24	94.20	94.25	0.002043	0.20	0.18	2.85	0.26
River 1	Reach 1-Upper	908	25YrCHI3Hr	0.04	94.14	94.25	94.20	94.25	0.002127	0.22	0.20	2.96	0.27
River 1	Reach 1-Upper	908	50YrCHI3Hr	0.05	94.14	94.26	94.20	94.26	0.002210	0.23	0.22	3.07	0.28
River 1	Reach 1-Upper	908	100YrCHI3Hr	0.06	94.14	94.27	94.21	94.27	0.002252	0.24	0.25	3.23	0.28
River 1	Reach 1-Upper	908	2YrSCS24Hr	0.03	94.14	94.23	94.19	94.24	0.001856	0.18	0.15	2.68	0.24
River 1	Reach 1-Upper	908	5YrSCS24Hr	0.04	94.14	94.24	94.20	94.25	0.002043	0.20	0.18	2.85	0.26
River 1	Reach 1-Upper	908	10YrSCS24Hr	0.04	94.14	94.25	94.20	94.25	0.002124	0.22	0.19	2.94	0.27
River 1	Reach 1-Upper	908	25YrSCS24Hr	0.05	94.14	94.26	94.20	94.26	0.002199	0.23	0.22	3.05	0.27
River 1	Reach 1-Upper	908	50YrSCS24Hr	0.06	94.14	94.26	94.21	94.26	0.002260	0.24	0.23	3.15	0.28
River 1	Reach 1-Upper	908	100YrSCS24Hr	0.06	94.14	94.27	94.21	94.27	0.002214	0.25	0.26	3.28	0.28
River 1	Reach 1-Upper	887	2YrCHI3Hr	0.02	94.10	94.17	94.15	94.17	0.006295	0.25	0.10	2.71	0.42
River 1	Reach 1-Upper	887	5YrCHI3Hr	0.03	94.10	94.18	94.15	94.18	0.005292	0.25	0.13	2.98	0.39
River 1	Reach 1-Upper	887	10YrCHI3Hr	0.04	94.10	94.18	94.15	94.19	0.004912	0.26	0.14	3.14	0.38
River 1	Reach 1-Upper	887	25YrCHI3Hr	0.04	94.10	94.19	94.16	94.19	0.004656	0.26	0.16	3.30	0.38
River 1	Reach 1-Upper	887	50YrCHI3Hr	0.05	94.10	94.19	94.16	94.20	0.004554	0.27	0.18	3.46	0.38
River 1	Reach 1-Upper	887	100YrCHI3Hr	0.06	94.10	94.20	94.17	94.20	0.005462	0.31	0.20	3.56	0.42
River 1	Reach 1-Upper	887	2YrSCS24Hr	0.03	94.10	94.17	94.15	94.17	0.005714	0.25	0.11	2.85	0.40
River 1	Reach 1-Upper	887	5YrSCS24Hr	0.04	94.10	94.18	94.15	94.19	0.004912	0.26	0.14	3.14	0.38
River 1	Reach 1-Upper	887	10YrSCS24Hr	0.04	94.10	94.19	94.16	94.19	0.004513	0.26	0.16	3.29	0.37
River 1	Reach 1-Upper	887	25YrSCS24Hr	0.05	94.10	94.19	94.16	94.20	0.004587	0.27	0.18	3.44	0.38
River 1	Reach 1-Upper	887	50YrSCS24Hr	0.06	94.10	94.20	94.16	94.20	0.004954	0.29	0.19	3.52	0.39
River 1	Reach 1-Upper	887	100YrSCS24Hr	0.06	94.10	94.20	94.17	94.20	0.006457	0.33	0.19	3.52	0.45
River 1	Reach 1-Upper	868	2YrCHI3Hr	0.02	93.96	94.03	94.01	94.04	0.007224	0.29	0.08	1.96	0.46
River 1	Reach 1-Upper	868	5YrCHI3Hr	0.03	93.96	94.04	94.02	94.04	0.009697	0.35	0.09	2.03	0.53
River 1	Reach 1-Upper	868	10YrCHI3Hr	0.04	93.96	94.04	94.02	94.05	0.011232	0.39	0.10	2.07	0.58
River 1	Reach 1-Upper	868	25YrCHI3Hr	0.04	93.96	94.04	94.03	94.05	0.012506	0.42	0.10	2.12	0.61
River 1	Reach 1-Upper	868	50YrCHI3Hr	0.05	93.96	94.05	94.03	94.06	0.013181	0.45	0.11	2.20	0.64
River 1	Reach 1-Upper	868	100YrCHI3Hr	0.06	93.96	94.06	94.04	94.07	0.008320	0.40	0.15	2.47	0.52
River 1	Reach 1-Upper	868	2YrSCS24Hr	0.03	93.96	94.04	94.02	94.04	0.008571	0.33	0.09	1.99	0.50
River 1	Reach 1-Upper	868	5YrSCS24Hr	0.04	93.96	94.04	94.02	94.05	0.011232	0.39	0.10	2.07	0.58
River 1	Reach 1-Upper	868	10YrSCS24Hr	0.04	93.96	94.04	94.03	94.05	0.012446	0.42	0.10	2.11	0.61
River 1	Reach 1-Upper	868	25YrSCS24Hr	0.05	93.96	94.05	94.03	94.06	0.012976	0.44	0.11	2.19	0.63
River 1	Reach 1-Upper	868	50YrSCS24Hr	0.06	93.96	94.06	94.04	94.06	0.011152	0.43	0.13	2.31	0.59
River 1	Reach 1-Upper	868	100YrSCS24Hr	0.06	93.96	94.07	94.04	94.08	0.006475	0.37	0.17	2.61	0.46
River 1	Reach 1-Upper	848	2YrCHI3Hr	0.02	93.87	93.93	93.91	93.93	0.004188	0.21	0.11	2.93	0.34
River 1	Reach 1-Upper	848	5YrCHI3Hr	0.03	93.87	93.94	93.91	93.95	0.002995	0.21	0.15	3.10	0.30
River 1	Reach 1-Upper	848	10YrCHI3Hr	0.04	93.87	93.95	93.92	93.95	0.002574	0.21	0.18	3.18	0.29
River 1	Reach 1-Upper	848	25YrCHI3Hr	0.04	93.87	93.96	93.92	93.96	0.002211	0.21	0.20	3.28	0.27
River 1	Reach 1-Upper	848	50YrCHI3Hr	0.05	93.87	93.97	93.92	93.97	0.002070	0.22	0.23	3.37	0.26
River 1	Reach 1-Upper	848	100YrCHI3Hr	0.06	93.87	93.96	93.93	93.97	0.003639	0.28	0.22	3.32	0.35
River 1	Reach 1-Upper	848	2YrSCS24Hr	0.03	93.87	93.94	93.91	93.94	0.003360	0.21	0.13	3.03	0.31
River 1	Reach 1-Upper	848	5YrSCS24Hr	0.04	93.87	93.95	93.92	93.95	0.002574	0.21	0.18	3.18	0.29
River 1	Reach 1-Upper	848	10YrSCS24Hr	0.04	93.87	93.96	93.92	93.96	0.002254	0.21	0.20	3.26	0.27
River 1	Reach 1-Upper	848	25YrSCS24Hr	0.05	93.87	93.97	93.92	93.97	0.002100	0.22	0.23	3.35	0.27
River 1	Reach 1-Upper	848	50YrSCS24Hr	0.06	93.87	93.97	93.92	93.97	0.002494	0.24	0.23	3.37	0.29

HEC-RAS Plan: 20250603-Post_Dev_v01 (Continued)

River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
River 1	Reach 1-Upper	848	100YrSCS24Hr	0.06	93.87	93.96	93.93	93.96	0.005013	0.31	0.20	3.26	0.41
River 1	Reach 1-Upper	828	2YrCHI3Hr	0.02	93.78	93.86	93.82	93.86	0.003210	0.19	0.12	2.95	0.30
River 1	Reach 1-Upper	828	5YrCHI3Hr	0.03	93.78	93.86	93.83	93.86	0.007085	0.28	0.11	2.81	0.45
River 1	Reach 1-Upper	828	10YrCHI3Hr	0.04	93.78	93.85	93.84	93.86	0.012962	0.37	0.10	2.61	0.60
River 1	Reach 1-Upper	828	25YrCHI3Hr	0.04	93.78	93.84	93.84	93.86	0.027482	0.51	0.08	2.34	0.87
River 1	Reach 1-Upper	828	50YrCHI3Hr	0.05	93.78	93.84	93.84	93.86	0.037796	0.60	0.08	2.33	1.02
River 1	Reach 1-Upper	828	100YrCHI3Hr	0.06	93.78	93.88	93.85	93.89	0.004443	0.29	0.20	3.38	0.38
River 1	Reach 1-Upper	828	2YrSCS24Hr	0.03	93.78	93.86	93.83	93.86	0.005209	0.24	0.12	2.83	0.39
River 1	Reach 1-Upper	828	5YrSCS24Hr	0.04	93.78	93.85	93.84	93.86	0.012962	0.37	0.10	2.61	0.60
River 1	Reach 1-Upper	828	10YrSCS24Hr	0.04	93.78	93.85	93.84	93.86	0.023615	0.48	0.09	2.40	0.81
River 1	Reach 1-Upper	828	25YrSCS24Hr	0.05	93.78	93.84	93.84	93.86	0.036015	0.59	0.08	2.34	0.99
River 1	Reach 1-Upper	828	50YrSCS24Hr	0.06	93.78	93.86	93.85	93.87	0.017759	0.46	0.12	2.91	0.71
River 1	Reach 1-Upper	828	100YrSCS24Hr	0.06	93.78	93.91	93.85	93.91	0.001940	0.23	0.28	3.55	0.26
River 1	Reach 1-Upper	807	2YrCHI3Hr	0.02	93.65	93.71	93.70	93.72	0.021814	0.43	0.06	1.70	0.76
River 1	Reach 1-Upper	807	5YrCHI3Hr	0.03	93.65	93.75	93.71	93.75	0.003849	0.25	0.13	2.40	0.35
River 1	Reach 1-Upper	807	10YrCHI3Hr	0.04	93.65	93.77	93.71	93.77	0.002057	0.21	0.18	2.79	0.26
River 1	Reach 1-Upper	807	25YrCHI3Hr	0.04	93.65	93.79	93.72	93.79	0.001125	0.17	0.25	3.25	0.20
River 1	Reach 1-Upper	807	50YrCHI3Hr	0.05	93.65	93.82	93.72	93.82	0.000498	0.14	0.35	3.78	0.14
River 1	Reach 1-Upper	807	100YrCHI3Hr	0.06	93.65	93.88	93.73	93.88	0.000155	0.11	0.61	5.55	0.08
River 1	Reach 1-Upper	807	2YrSCS24Hr	0.03	93.65	93.73	93.71	93.74	0.006535	0.29	0.10	2.12	0.44
River 1	Reach 1-Upper	807	5YrSCS24Hr	0.04	93.65	93.77	93.71	93.77	0.002057	0.21	0.18	2.79	0.26
River 1	Reach 1-Upper	807	10YrSCS24Hr	0.04	93.65	93.78	93.72	93.79	0.001247	0.18	0.23	3.18	0.21
River 1	Reach 1-Upper	807	25YrSCS24Hr	0.05	93.65	93.81	93.72	93.81	0.000553	0.15	0.34	3.70	0.15
River 1	Reach 1-Upper	807	50YrSCS24Hr	0.06	93.65	93.85	93.73	93.85	0.000265	0.12	0.47	4.27	0.11
River 1	Reach 1-Upper	807	100YrSCS24Hr	0.06	93.65	93.90	93.73	93.90	0.000106	0.10	0.75	6.37	0.07
River 1	Reach 1-Upper	789	2YrCHI3Hr	0.02	93.49	93.71	93.54	93.71	0.000038	0.06	0.43	3.55	0.04
River 1	Reach 1-Upper	789	5YrCHI3Hr	0.03	93.49	93.74	93.55	93.74	0.000038	0.06	0.51	4.05	0.04
River 1	Reach 1-Upper	789	10YrCHI3Hr	0.04	93.49	93.76	93.55	93.76	0.000038	0.07	0.56	4.37	0.04
River 1	Reach 1-Upper	789	25YrCHI3Hr	0.04	93.49	93.79	93.55	93.79	0.000038	0.07	0.61	4.73	0.04
River 1	Reach 1-Upper	789	50YrCHI3Hr	0.05	93.49	93.82	93.56	93.82	0.000035	0.07	0.68	5.23	0.04
River 1	Reach 1-Upper	789	100YrCHI3Hr	0.06	93.49	93.88	93.57	93.88	0.000027	0.07	0.83	5.99	0.04
River 1	Reach 1-Upper	789	2YrSCS24Hr	0.03	93.49	93.73	93.54	93.73	0.000037	0.06	0.48	3.83	0.04
River 1	Reach 1-Upper	789	5YrSCS24Hr	0.04	93.49	93.76	93.55	93.76	0.000038	0.07	0.56	4.37	0.04
River 1	Reach 1-Upper	789	10YrSCS24Hr	0.04	93.49	93.78	93.55	93.78	0.000038	0.07	0.60	4.67	0.04
River 1	Reach 1-Upper	789	25YrSCS24Hr	0.05	93.49	93.81	93.56	93.81	0.000036	0.07	0.67	5.15	0.04
River 1	Reach 1-Upper	789	50YrSCS24Hr	0.06	93.49	93.85	93.56	93.85	0.000031	0.07	0.75	5.62	0.04
River 1	Reach 1-Upper	789	100YrSCS24Hr	0.06	93.49	93.90	93.57	93.90	0.000024	0.07	0.88	6.26	0.04
River 1	Reach 1-Upper	764		Culvert									
River 1	Reach 1-Upper	759	2YrCHI3Hr	0.02	93.46	93.55	93.51	93.56	0.002355	0.23	0.10	2.03	0.28
River 1	Reach 1-Upper	759	5YrCHI3Hr	0.03	93.46	93.58	93.51	93.58	0.001375	0.22	0.14	2.40	0.23
River 1	Reach 1-Upper	759	10YrCHI3Hr	0.04	93.46	93.60	93.52	93.60	0.000932	0.21	0.18	2.67	0.19
River 1	Reach 1-Upper	759	25YrCHI3Hr	0.04	93.46	93.63	93.52	93.63	0.000592	0.19	0.22	3.05	0.16
River 1	Reach 1-Upper	759	50YrCHI3Hr	0.05	93.46	93.69	93.53	93.69	0.000264	0.16	0.31	3.75	0.11
River 1	Reach 1-Upper	759	100YrCHI3Hr	0.06	93.46	93.77	93.54	93.77	0.000125	0.14	0.43	4.71	0.08
River 1	Reach 1-Upper	759	2YrSCS24Hr	0.03	93.46	93.57	93.51	93.57	0.001859	0.23	0.12	2.20	0.26
River 1	Reach 1-Upper	759	5YrSCS24Hr	0.04	93.46	93.60	93.52	93.60	0.000932	0.21	0.18	2.67	0.19
River 1	Reach 1-Upper	759	10YrSCS24Hr	0.04	93.46	93.63	93.52	93.63	0.000639	0.20	0.21	2.98	0.17
River 1	Reach 1-Upper	759	25YrSCS24Hr	0.05	93.46	93.68	93.53	93.68	0.000285	0.16	0.30	3.67	0.12
River 1	Reach 1-Upper	759	50YrSCS24Hr	0.06	93.46	93.73	93.53	93.73	0.000174	0.15	0.37	4.24	0.09
River 1	Reach 1-Upper	759	100YrSCS24Hr	0.06	93.46	93.80	93.54	93.80	0.000105	0.13	0.47	5.36	0.08
River 1	Reach 1-Upper	743	2YrCHI3Hr	0.02	93.40	93.52	93.46	93.52	0.001463	0.21	0.11	1.84	0.23
River 1	Reach 1-Upper	743	5YrCHI3Hr	0.03	93.40	93.57	93.47	93.57	0.000686	0.19	0.17	2.25	0.17
River 1	Reach 1-Upper	743	10YrCHI3Hr	0.04	93.40	93.59	93.47	93.59	0.000494	0.18	0.20	2.53	0.15
River 1	Reach 1-Upper	743	25YrCHI3Hr	0.04	93.40	93.62	93.48	93.63	0.000350	0.17	0.25	2.92	0.13
River 1	Reach 1-Upper	743	50YrCHI3Hr	0.05	93.40	93.69	93.48	93.69	0.000183	0.15	0.33	4.20	0.10
River 1	Reach 1-Upper	743	100YrCHI3Hr	0.06	93.40	93.77	93.49	93.77	0.000101	0.14	0.44	5.44	0.08
River 1	Reach 1-Upper	743	2YrSCS24Hr	0.03	93.40	93.54	93.46	93.55	0.000951	0.20	0.14	2.05	0.19
River 1	Reach 1-Upper	743	5YrSCS24Hr	0.04	93.40	93.59	93.47	93.59	0.000494	0.18	0.20	2.53	0.15
River 1	Reach 1-Upper	743	10YrSCS24Hr	0.04	93.40	93.62	93.48	93.62	0.000370	0.18	0.24	2.85	0.13
River 1	Reach 1-Upper	743	25YrSCS24Hr	0.05	93.40	93.68	93.48	93.68	0.000195	0.15	0.32	4.01	0.10
River 1	Reach 1-Upper	743	50YrSCS24Hr	0.06	93.40	93.73	93.49	93.73	0.000132	0.14	0.38	4.86	0.08
River 1	Reach 1-Upper	743	100YrSCS24Hr	0.06	93.40	93.79	93.49	93.80	0.000089	0.14	0.47	6.32	0.07
River 1	Reach 1-Upper	733		Culvert									
River 1	Reach 1-Upper	728	2YrCHI3Hr	0.02	93.33	93.51	93.39	93.51	0.000306	0.13	0.19	1.87	0.11
River 1	Reach 1-Upper	728	5YrCHI3Hr	0.03	93.33	93.55	93.40	93.55	0.000233	0.13	0.24	2.16	0.10
River 1	Reach 1-Upper	728	10YrCHI3Hr	0.04	93.33	93.57	93.41	93.57	0.000202	0.14	0.27	2.34	0.10
River 1	Reach 1-Upper	728	25YrCHI3Hr	0.04	93.33	93.60	93.41	93.60	0.000169	0.14	0.32	2.57	0.09
River 1	Reach 1-Upper	728	50YrCHI3Hr	0.05	93.33	93.66	93.42	93.66	0.000110	0.13	0.39	2.99	0.08
River 1	Reach 1-Upper	728	100YrCHI3Hr	0.06	93.33	93.72	93.43	93.73	0.000076	0.12	0.49	3.52	0.07
River 1	Reach 1-Upper	728	2YrSCS24Hr	0.03	93.33	93.53	93.40	93.53	0.000264	0.13	0.21	2.01	0.11
River 1	Reach 1-Upper	728	5YrSCS24Hr	0.04	93.33	93.57	93.41	93.57	0.000202	0.14	0.27	2.34	0.10
River 1	Reach 1-Upper	728	10YrSCS24Hr	0.04	93.33	93.60	93.41	93.60	0.000174	0.14	0.31	2.53	0.09
River 1	Reach 1-Upper	728	25YrSCS24Hr	0.05	93.33	93.65	93.42	93.65	0.000113	0.13	0.39	2.94	0.08
River 1	Reach 1-Upper	728	50YrSCS24Hr	0.06	93.33	93.69	93.42	93.69	0.000090	0.12	0.44	3.25	0.07
River 1	Reach 1-Upper	728	100YrSCS24Hr	0.06	93.33	93.74	93.43	93.74	0.000070	0.12	0.52	3.70	0.06
River 1	Reach 1-Upper	715	2YrCHI3Hr	0.02	93.32	93.51	93.36	93.51	0.000138	0.10	0.24	2.70	0.08
River 1	Reach 1-Upper	715	5YrCHI3Hr	0.03	93.32	93.54	93.37	93.54	0.000123	0.11	0.29	3.09	0.08
River 1	Reach 1-Upper	715	10YrCHI3Hr	0.04	93.32	93.57	93.38	93.57	0.000114	0.11	0.32	3.33	0.08
River 1	Reach 1-Upper	715	25YrCHI3Hr	0.04	93.32	93.60	93.38	93.60	0.000102	0.12	0.37	3.63	0.07
River 1	Reach 1-Upper	715	50YrCHI3Hr	0.05	93.32	93.65	93.39	93.66	0.000072	0.11	0.44	4.19	0.06
River 1	Reach 1-Upper	715	100YrCHI3Hr	0.06	93.32	93.72	93.39	93.72	0.000054	0.11	0.54	4.88	0.06

HEC-RAS Plan: 20250603-Post_Dev_v01 (Continued)

River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
River 1	Reach 1-Upper	715	2YrSCS24Hr	0.03	93.32	93.52	93.37	93.53	0.000130	0.11	0.26	2.89	0.08
River 1	Reach 1-Upper	715	5YrSCS24Hr	0.04	93.32	93.57	93.38	93.57	0.000114	0.11	0.32	3.33	0.08
River 1	Reach 1-Upper	715	10YrSCS24Hr	0.04	93.32	93.59	93.38	93.59	0.000104	0.12	0.36	3.58	0.07
River 1	Reach 1-Upper	715	25YrSCS24Hr	0.05	93.32	93.65	93.39	93.65	0.000074	0.11	0.44	4.13	0.06
River 1	Reach 1-Upper	715	50YrSCS24Hr	0.06	93.32	93.69	93.39	93.69	0.000061	0.11	0.49	4.54	0.06
River 1	Reach 1-Upper	715	100YrSCS24Hr	0.06	93.32	93.74	93.40	93.74	0.000051	0.11	0.57	5.33	0.06
River 1	Reach 1-Upper	705	Culvert										
River 1	Reach 1-Upper	698	2YrCHI3Hr	0.02	93.24	93.32	93.30	93.33	0.011619	0.41	0.06	1.21	0.59
River 1	Reach 1-Upper	698	5YrCHI3Hr	0.03	93.24	93.32	93.31	93.33	0.017273	0.51	0.06	1.23	0.72
River 1	Reach 1-Upper	698	10YrCHI3Hr	0.04	93.24	93.32	93.31	93.34	0.025269	0.61	0.06	1.22	0.87
River 1	Reach 1-Upper	698	25YrCHI3Hr	0.04	93.24	93.41	93.32	93.41	0.001221	0.22	0.20	1.87	0.22
River 1	Reach 1-Upper	698	50YrCHI3Hr	0.05	93.24	93.51	93.33	93.51	0.000175	0.12	0.41	2.59	0.09
River 1	Reach 1-Upper	698	100YrCHI3Hr	0.06	93.24	93.51	93.33	93.51	0.000242	0.15	0.41	2.61	0.11
River 1	Reach 1-Upper	698	2YrSCS24Hr	0.03	93.24	93.32	93.30	93.33	0.015763	0.48	0.06	1.21	0.69
River 1	Reach 1-Upper	698	5YrSCS24Hr	0.04	93.24	93.32	93.31	93.34	0.028385	0.64	0.06	1.20	0.92
River 1	Reach 1-Upper	698	10YrSCS24Hr	0.04	93.24	93.43	93.32	93.43	0.000585	0.17	0.25	2.05	0.15
River 1	Reach 1-Upper	698	25YrSCS24Hr	0.05	93.24	93.51	93.32	93.51	0.000166	0.12	0.41	2.60	0.09
River 1	Reach 1-Upper	698	50YrSCS24Hr	0.06	93.24	93.51	93.33	93.51	0.000202	0.13	0.41	2.61	0.10
River 1	Reach 1-Upper	698	100YrSCS24Hr	0.06	93.24	93.52	93.33	93.52	0.000253	0.15	0.42	2.63	0.11
River 1	Reach 1-Upper	681	2YrCHI3Hr	0.02	93.14	93.23	93.19	93.23	0.003325	0.24	0.10	1.73	0.32
River 1	Reach 1-Upper	681	5YrCHI3Hr	0.03	93.14	93.25	93.20	93.25	0.002014	0.23	0.14	1.89	0.26
River 1	Reach 1-Upper	681	10YrCHI3Hr	0.04	93.14	93.27	93.20	93.28	0.001201	0.20	0.19	2.05	0.21
River 1	Reach 1-Upper	681	25YrCHI3Hr	0.04	93.14	93.40	93.21	93.40	0.000094	0.08	0.51	2.95	0.07
River 1	Reach 1-Upper	681	50YrCHI3Hr	0.05	93.14	93.51	93.21	93.51	0.000029	0.06	0.87	4.06	0.04
River 1	Reach 1-Upper	681	100YrCHI3Hr	0.06	93.14	93.51	93.22	93.51	0.000040	0.07	0.88	4.09	0.04
River 1	Reach 1-Upper	681	2YrSCS24Hr	0.03	93.14	93.24	93.20	93.24	0.002280	0.23	0.12	1.83	0.28
River 1	Reach 1-Upper	681	5YrSCS24Hr	0.04	93.14	93.28	93.20	93.29	0.000864	0.18	0.21	2.13	0.18
River 1	Reach 1-Upper	681	10YrSCS24Hr	0.04	93.14	93.43	93.21	93.43	0.000059	0.07	0.59	3.14	0.05
River 1	Reach 1-Upper	681	25YrSCS24Hr	0.05	93.14	93.51	93.21	93.51	0.000027	0.06	0.87	4.07	0.04
River 1	Reach 1-Upper	681	50YrSCS24Hr	0.06	93.14	93.51	93.22	93.51	0.000033	0.06	0.88	4.10	0.04
River 1	Reach 1-Upper	681	100YrSCS24Hr	0.06	93.14	93.51	93.22	93.51	0.000042	0.07	0.89	4.14	0.05
River 1	Reach 1-Upper	663	2YrCHI3Hr	0.02	93.05	93.19		93.20	0.001200	0.19	0.12	1.39	0.21
River 1	Reach 1-Upper	663	5YrCHI3Hr	0.03	93.05	93.23		93.23	0.000807	0.18	0.18	1.64	0.18
River 1	Reach 1-Upper	663	10YrCHI3Hr	0.04	93.05	93.26		93.26	0.000532	0.16	0.23	1.85	0.15
River 1	Reach 1-Upper	663	25YrCHI3Hr	0.04	93.05	93.40		93.40	0.000069	0.08	0.56	3.00	0.06
River 1	Reach 1-Upper	663	50YrCHI3Hr	0.05	93.05	93.51		93.51	0.000025	0.05	0.96	4.41	0.03
River 1	Reach 1-Upper	663	100YrCHI3Hr	0.06	93.05	93.51		93.51	0.000035	0.06	0.97	4.45	0.04
River 1	Reach 1-Upper	663	2YrSCS24Hr	0.03	93.05	93.22		93.22	0.000807	0.17	0.16	1.56	0.17
River 1	Reach 1-Upper	663	5YrSCS24Hr	0.04	93.05	93.27		93.28	0.000390	0.14	0.26	1.95	0.13
River 1	Reach 1-Upper	663	10YrSCS24Hr	0.04	93.05	93.43		93.43	0.000047	0.06	0.65	3.34	0.05
River 1	Reach 1-Upper	663	25YrSCS24Hr	0.05	93.05	93.51		93.51	0.000024	0.05	0.96	4.43	0.03
River 1	Reach 1-Upper	663	50YrSCS24Hr	0.06	93.05	93.51		93.51	0.000029	0.06	0.97	4.47	0.04
River 1	Reach 1-Upper	663	100YrSCS24Hr	0.06	93.05	93.51		93.51	0.000037	0.06	0.98	4.51	0.04
River 1	Reach 1-Upper	656	2YrCHI3Hr	0.07	93.03	93.16	93.12	93.17	0.007808	0.47	0.14	1.72	0.53
River 1	Reach 1-Upper	656	5YrCHI3Hr	0.11	93.03	93.19	93.15	93.21	0.006501	0.51	0.21	1.94	0.50
River 1	Reach 1-Upper	656	10YrCHI3Hr	0.14	93.03	93.23	93.16	93.24	0.004115	0.47	0.29	2.16	0.41
River 1	Reach 1-Upper	656	25YrCHI3Hr	0.18	93.03	93.40	93.18	93.40	0.000544	0.25	0.72	3.45	0.16
River 1	Reach 1-Upper	656	50YrCHI3Hr	0.21	93.03	93.51	93.19	93.51	0.000206	0.20	1.16	4.65	0.11
River 1	Reach 1-Upper	656	100YrCHI3Hr	0.25	93.03	93.51	93.21	93.51	0.000291	0.24	1.17	4.65	0.13
River 1	Reach 1-Upper	656	2YrSCS24Hr	0.09	93.03	93.18	93.14	93.20	0.007027	0.51	0.19	1.88	0.51
River 1	Reach 1-Upper	656	5YrSCS24Hr	0.15	93.03	93.25	93.16	93.26	0.003125	0.44	0.33	2.27	0.36
River 1	Reach 1-Upper	656	10YrSCS24Hr	0.18	93.03	93.42	93.18	93.43	0.000386	0.23	0.82	3.78	0.14
River 1	Reach 1-Upper	656	25YrSCS24Hr	0.23	93.03	93.51	93.20	93.51	0.000238	0.21	1.16	4.65	0.12
River 1	Reach 1-Upper	656	50YrSCS24Hr	0.27	93.03	93.51	93.21	93.51	0.000323	0.25	1.17	4.66	0.13
River 1	Reach 1-Upper	656	100YrSCS24Hr	0.31	93.03	93.51	93.23	93.51	0.000430	0.29	1.17	4.67	0.15
River 1	Reach 1-Upper	638	2YrCHI3Hr	0.07	92.92	93.08	93.01	93.09	0.002729	0.33	0.20	1.89	0.32
River 1	Reach 1-Upper	638	5YrCHI3Hr	0.11	92.92	93.14	93.04	93.15	0.001802	0.33	0.33	2.30	0.28
River 1	Reach 1-Upper	638	10YrCHI3Hr	0.14	92.92	93.21	93.05	93.21	0.001049	0.28	0.48	2.79	0.22
River 1	Reach 1-Upper	638	25YrCHI3Hr	0.18	92.92	93.39	93.07	93.39	0.000154	0.16	1.20	4.99	0.09
River 1	Reach 1-Upper	638	50YrCHI3Hr	0.21	92.92	93.50	93.09	93.50	0.000077	0.13	1.86	6.83	0.07
River 1	Reach 1-Upper	638	100YrCHI3Hr	0.25	92.92	93.50	93.10	93.51	0.000109	0.16	1.86	6.84	0.08
River 1	Reach 1-Upper	638	2YrSCS24Hr	0.09	92.92	93.12	93.03	93.13	0.002117	0.33	0.28	2.17	0.29
River 1	Reach 1-Upper	638	5YrSCS24Hr	0.15	92.92	93.23	93.06	93.24	0.000815	0.26	0.56	3.04	0.19
River 1	Reach 1-Upper	638	10YrSCS24Hr	0.18	92.92	93.42	93.07	93.42	0.000119	0.15	1.36	5.36	0.08
River 1	Reach 1-Upper	638	25YrSCS24Hr	0.23	92.92	93.50	93.09	93.51	0.000089	0.14	1.86	6.83	0.07
River 1	Reach 1-Upper	638	50YrSCS24Hr	0.27	92.92	93.50	93.11	93.51	0.000122	0.16	1.86	6.84	0.08
River 1	Reach 1-Upper	638	100YrSCS24Hr	0.31	92.92	93.51	93.12	93.51	0.000163	0.19	1.87	6.84	0.10
River 1	Reach 1-Upper	617	2YrCHI3Hr	0.07	92.84	93.03	92.95	93.03	0.002518	0.31	0.22	2.15	0.31
River 1	Reach 1-Upper	617	5YrCHI3Hr	0.11	92.84	93.12	92.98	93.12	0.000858	0.23	0.46	3.08	0.19
River 1	Reach 1-Upper	617	10YrCHI3Hr	0.14	92.84	93.19	93.00	93.20	0.000444	0.19	0.71	3.86	0.14
River 1	Reach 1-Upper	617	25YrCHI3Hr	0.18	92.84	93.39	93.01	93.39	0.000082	0.10	1.79	7.45	0.06
River 1	Reach 1-Upper	617	50YrCHI3Hr	0.21	92.84	93.50	93.03	93.50	0.000035	0.08	2.93	15.17	0.04
River 1	Reach 1-Upper	617	100YrCHI3Hr	0.25	92.84	93.50	93.04	93.50	0.000049	0.09	2.93	15.17	0.05
River 1	Reach 1-Upper	617	2YrSCS24Hr	0.09	92.84	93.09	92.97	93.10	0.001101	0.25	0.38	2.82	0.21
River 1	Reach 1-Upper	617	5YrSCS24Hr	0.15	92.84	93.22	93.00	93.22	0.000343	0.18	0.83	4.28	0.13
River 1	Reach 1-Upper	617	10YrSCS24Hr	0.18	92.84	93.42	93.01	93.42	0.000065	0.09	2.03	8.33	0.06
River 1	Reach 1-Upper	617	25YrSCS24Hr	0.23	92.84	93.50	93.03	93.50	0.000040	0.08	2.93	15.17	0.05
River 1	Reach 1-Upper	617	50YrSCS24Hr	0.27	92.84	93.50	93.04	93.50	0.000055	0.10	2.93	15.17	0.06
River 1	Reach 1-Upper	617	100YrSCS24Hr	0.31	92.84	93.50	93.06	93.50	0.000074	0.11	2.93	15.18	0.06
River 1	Reach 1-Upper	598	2YrCHI3Hr	0.07	92.76	93.01	92.87	93.01	0.000473	0.18	0.38	2.69	0.14
River 1	Reach 1-Upper	598	5YrCHI3Hr	0.11	92.76	93.11	92.89	93.12	0.000252	0.18	0.64	3.49	0.11
River 1	Reach 1-Upper	598	10YrCHI3Hr	0.15	92.76	93.19	92.91	93.19	0.000173	0.18	0.83	5.51	0.10

HEC-RAS Plan: 20250603-Post_Dev_v01 (Continued)

River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
River 1	Reach 1-Upper	598	25YrCHI3Hr	0.19	92.76	93.39	92.93	93.39	0.000060	0.14	1.33	9.41	0.06
River 1	Reach 1-Upper	598	50YrCHI3Hr	0.23	92.76	93.50	92.94	93.50	0.000019	0.08	4.94	31.21	0.03
River 1	Reach 1-Upper	598	100YrCHI3Hr	0.27	92.76	93.50	92.95	93.50	0.000027	0.09	4.93	31.21	0.04
River 1	Reach 1-Upper	598	2YrSCS24Hr	0.10	92.76	93.09	92.89	93.09	0.000296	0.18	0.57	3.28	0.12
River 1	Reach 1-Upper	598	5YrSCS24Hr	0.16	92.76	93.22	92.91	93.22	0.000149	0.17	0.90	6.10	0.09
River 1	Reach 1-Upper	598	10YrSCS24Hr	0.20	92.76	93.42	92.93	93.42	0.000053	0.14	1.41	10.00	0.06
River 1	Reach 1-Upper	598	25YrSCS24Hr	0.25	92.76	93.50	92.95	93.50	0.000022	0.08	4.94	31.21	0.04
River 1	Reach 1-Upper	598	50YrSCS24Hr	0.29	92.76	93.50	92.96	93.50	0.000030	0.10	4.93	31.21	0.04
River 1	Reach 1-Upper	598	100YrSCS24Hr	0.33	92.76	93.50	92.97	93.50	0.000041	0.11	4.93	31.21	0.05
River 1	Reach 1-Upper	589		Culvert									
River 1	Reach 1-Upper	581	2YrCHI3Hr	0.07	92.71	92.89	92.82	92.90	0.002047	0.28	0.25	2.75	0.28
River 1	Reach 1-Upper	581	5YrCHI3Hr	0.11	92.71	92.93	92.84	92.94	0.001929	0.33	0.34	3.49	0.29
River 1	Reach 1-Upper	581	10YrCHI3Hr	0.15	92.71	92.97	92.86	92.97	0.001556	0.34	0.43	4.12	0.27
River 1	Reach 1-Upper	581	25YrCHI3Hr	0.19	92.71	93.03	92.88	93.03	0.000917	0.33	0.58	5.30	0.22
River 1	Reach 1-Upper	581	50YrCHI3Hr	0.23	92.71	93.16	92.89	93.16	0.000310	0.25	0.90	7.86	0.13
River 1	Reach 1-Upper	581	100YrCHI3Hr	0.27	92.71	93.25	92.90	93.25	0.000204	0.24	1.13	30.32	0.11
River 1	Reach 1-Upper	581	2YrSCS24Hr	0.10	92.71	92.92	92.84	92.93	0.002022	0.32	0.32	3.28	0.29
River 1	Reach 1-Upper	581	5YrSCS24Hr	0.16	92.71	92.98	92.87	92.98	0.001396	0.34	0.46	4.38	0.26
River 1	Reach 1-Upper	581	10YrSCS24Hr	0.20	92.71	93.04	92.88	93.05	0.000827	0.32	0.61	5.51	0.21
River 1	Reach 1-Upper	581	25YrSCS24Hr	0.25	92.71	93.25	92.89	93.25	0.000170	0.22	1.13	30.32	0.10
River 1	Reach 1-Upper	581	50YrSCS24Hr	0.29	92.71	93.25	92.91	93.25	0.000231	0.25	1.13	30.33	0.12
River 1	Reach 1-Upper	581	100YrSCS24Hr	0.33	92.71	93.28	92.92	93.28	0.000256	0.28	1.20	32.04	0.13
River 1	Reach 1-Upper	572	2YrCHI3Hr	0.07	92.73	92.85	92.82	92.86	0.008247	0.45	0.15	2.09	0.53
River 1	Reach 1-Upper	572	5YrCHI3Hr	0.11	92.73	92.90	92.84	92.91	0.004531	0.42	0.27	2.64	0.42
River 1	Reach 1-Upper	572	10YrCHI3Hr	0.15	92.73	92.95	92.86	92.95	0.002601	0.37	0.40	3.12	0.33
River 1	Reach 1-Upper	572	25YrCHI3Hr	0.19	92.73	93.02	92.87	93.02	0.001121	0.29	0.66	3.99	0.22
River 1	Reach 1-Upper	572	50YrCHI3Hr	0.23	92.73	93.15	92.89	93.16	0.000259	0.17	1.45	15.47	0.11
River 1	Reach 1-Upper	572	100YrCHI3Hr	0.27	92.73	93.25	92.90	93.25	0.000071	0.11	4.09	35.89	0.06
River 1	Reach 1-Upper	572	2YrSCS24Hr	0.10	92.73	92.89	92.84	92.90	0.005425	0.43	0.24	2.49	0.45
River 1	Reach 1-Upper	572	5YrSCS24Hr	0.16	92.73	92.96	92.86	92.97	0.002123	0.35	0.45	3.32	0.30
River 1	Reach 1-Upper	572	10YrSCS24Hr	0.20	92.73	93.03	92.88	93.04	0.000971	0.27	0.72	4.14	0.21
River 1	Reach 1-Upper	572	25YrSCS24Hr	0.25	92.73	93.25	92.89	93.25	0.000059	0.10	4.09	35.88	0.06
River 1	Reach 1-Upper	572	50YrSCS24Hr	0.29	92.73	93.25	92.91	93.25	0.000080	0.12	4.10	35.91	0.07
River 1	Reach 1-Upper	572	100YrSCS24Hr	0.33	92.73	93.28	92.92	93.28	0.000068	0.11	5.15	39.12	0.06
River 1	Reach 1-Upper	555	2YrCHI3Hr	0.07	92.61	92.82	92.72	92.82	0.001001	0.21	0.34	3.06	0.20
River 1	Reach 1-Upper	555	5YrCHI3Hr	0.11	92.61	92.88	92.74	92.88	0.000708	0.21	0.55	3.83	0.17
River 1	Reach 1-Upper	555	10YrCHI3Hr	0.15	92.61	92.93	92.76	92.93	0.000472	0.19	0.77	4.49	0.15
River 1	Reach 1-Upper	555	25YrCHI3Hr	0.19	92.61	93.01	92.77	93.01	0.000255	0.16	1.17	5.51	0.11
River 1	Reach 1-Upper	555	50YrCHI3Hr	0.23	92.61	93.15	92.78	93.15	0.000051	0.10	3.73	35.66	0.05
River 1	Reach 1-Upper	555	100YrCHI3Hr	0.27	92.61	93.25	92.80	93.25	0.000017	0.06	7.39	40.94	0.03
River 1	Reach 1-Upper	555	2YrSCS24Hr	0.10	92.61	92.86	92.73	92.86	0.000804	0.21	0.48	3.60	0.18
River 1	Reach 1-Upper	555	5YrSCS24Hr	0.16	92.61	92.95	92.76	92.95	0.000407	0.18	0.86	4.73	0.14
River 1	Reach 1-Upper	555	10YrSCS24Hr	0.20	92.61	93.03	92.77	93.03	0.000229	0.16	1.25	5.68	0.11
River 1	Reach 1-Upper	555	25YrSCS24Hr	0.25	92.61	93.25	92.79	93.25	0.000014	0.06	7.39	40.94	0.03
River 1	Reach 1-Upper	555	50YrSCS24Hr	0.29	92.61	93.25	92.80	93.25	0.000019	0.07	7.39	40.94	0.03
River 1	Reach 1-Upper	555	100YrSCS24Hr	0.33	92.61	93.28	92.81	93.28	0.000018	0.07	8.55	41.65	0.03
River 1	Reach 1-Upper	534	2YrCHI3Hr	0.07	92.59	92.79	92.70	92.79	0.001558	0.25	0.28	2.54	0.25
River 1	Reach 1-Upper	534	5YrCHI3Hr	0.11	92.59	92.86	92.72	92.86	0.000934	0.24	0.48	3.41	0.20
River 1	Reach 1-Upper	534	10YrCHI3Hr	0.15	92.59	92.92	92.74	92.92	0.000559	0.20	0.76	9.05	0.16
River 1	Reach 1-Upper	534	25YrCHI3Hr	0.19	92.59	93.01	92.76	93.01	0.000116	0.11	2.99	37.02	0.08
River 1	Reach 1-Upper	534	50YrCHI3Hr	0.23	92.59	93.15	92.77	93.15	0.000009	0.04	9.72	51.04	0.02
River 1	Reach 1-Upper	534	100YrCHI3Hr	0.27	92.59	93.25	92.79	93.25	0.000004	0.03	14.61	51.39	0.02
River 1	Reach 1-Upper	534	2YrSCS24Hr	0.10	92.59	92.84	92.72	92.84	0.001116	0.24	0.42	3.15	0.22
River 1	Reach 1-Upper	534	5YrSCS24Hr	0.16	92.59	92.94	92.75	92.94	0.000434	0.19	1.04	17.37	0.14
River 1	Reach 1-Upper	534	10YrSCS24Hr	0.20	92.59	93.02	92.76	93.02	0.000089	0.10	3.56	40.73	0.07
River 1	Reach 1-Upper	534	25YrSCS24Hr	0.25	92.59	93.25	92.78	93.25	0.000003	0.03	14.61	51.39	0.01
River 1	Reach 1-Upper	534	50YrSCS24Hr	0.29	92.59	93.25	92.79	93.25	0.000004	0.03	14.61	51.39	0.02
River 1	Reach 1-Upper	534	100YrSCS24Hr	0.33	92.59	93.28	92.81	93.28	0.000004	0.03	16.05	51.49	0.02
River 1	Reach 1-Upper	510	2YrCHI3Hr	0.07	92.60	92.73	92.68	92.74	0.003415	0.39	0.18	2.95	0.37
River 1	Reach 1-Upper	510	5YrCHI3Hr	0.11	92.60	92.83	92.70	92.84	0.001076	0.33	0.34	4.33	0.23
River 1	Reach 1-Upper	510	10YrCHI3Hr	0.15	92.60	92.90	92.72	92.91	0.000704	0.32	0.45	5.33	0.20
River 1	Reach 1-Upper	510	25YrCHI3Hr	0.19	92.60	93.00	92.73	93.00	0.000440	0.31	0.61	12.66	0.16
River 1	Reach 1-Upper	510	50YrCHI3Hr	0.23	92.60	93.15	92.75	93.15	0.000211	0.27	0.84	109.17	0.12
River 1	Reach 1-Upper	510	100YrCHI3Hr	0.27	92.60	93.25	92.76	93.25	0.000000	0.01	42.37	109.53	0.00
River 1	Reach 1-Upper	510	2YrSCS24Hr	0.10	92.60	92.81	92.69	92.81	0.001328	0.34	0.30	3.97	0.25
River 1	Reach 1-Upper	510	5YrSCS24Hr	0.16	92.60	92.93	92.72	92.93	0.000623	0.32	0.49	5.74	0.19
River 1	Reach 1-Upper	510	10YrSCS24Hr	0.20	92.60	93.01	92.74	93.02	0.000410	0.31	0.63	14.62	0.16
River 1	Reach 1-Upper	510	25YrSCS24Hr	0.25	92.60	93.25	92.75	93.25	0.000000	0.01	42.37	109.53	0.00
River 1	Reach 1-Upper	510	50YrSCS24Hr	0.29	92.60	93.25	92.77	93.25	0.000000	0.01	42.37	109.53	0.00
River 1	Reach 1-Upper	510	100YrSCS24Hr	0.33	92.60	93.28	92.78	93.28	0.000000	0.01	45.44	109.63	0.01
River 1	Reach 1-Upper	505		Culvert									
River 1	Reach 1-Upper	502	2YrCHI3Hr	0.08	92.49	92.61	92.58	92.63	0.007402	0.52	0.15	2.32	0.53
River 1	Reach 1-Upper	502	5YrCHI3Hr	0.13	92.49	92.65	92.60	92.67	0.006455	0.61	0.21	2.78	0.52
River 1	Reach 1-Upper	502	10YrCHI3Hr	0.16	92.49	92.68	92.62	92.70	0.006009	0.66	0.25	3.08	0.52
River 1	Reach 1-Upper	502	25YrCHI3Hr	0.21	92.49	92.73	92.64	92.75	0.004266	0.67	0.32	3.89	0.46
River 1	Reach 1-Upper	502	50YrCHI3Hr	0.26	92.49	92.82	92.66	92.84	0.001871	0.56	0.46	5.35	0.32
River 1	Reach 1-Upper	502	100YrCHI3Hr	0.31	92.49	92.97	92.67	92.98	0.000675	0.44	0.69	104.74	0.21
River 1	Reach 1-Upper	502	2YrSCS24Hr	0.11	92.49	92.64	92.60	92.66	0.006605	0.59	0.19	2.67	0.52
River 1	Reach 1-Upper	502	5YrSCS24Hr	0.18	92.49	92.69	92.62	92.71	0.005579	0.67	0.26	3.20	0.51
River 1	Reach 1-Upper	502	10YrSCS24Hr	0.22	92.49	92.74	92.64	92.76	0.003886	0.66	0.34	4.12	0.44
River 1	Reach 1-Upper	502	25YrSCS24Hr	0.28	92.49	92.88	92.66	92.90	0.001173	0.50	0.56	6.47	0.26
River 1	Reach 1-Upper	502	50YrSCS24Hr	0.33	92.49	93.05	92.68	93.06	0.000467	0.41	0.80	104.96	0.18

HEC-RAS Plan: 20250603-Post_Dev_v01 (Continued)

River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
River 1	Reach 1-Upper	502	100YrSCS24Hr	0.38	92.49	93.28	92.70	93.28	0.000000	0.01	48.99	105.56	0.01
River 1	Reach 1-Upper	493	2YrCHI3Hr	0.08	92.34	92.61	92.43	92.61	0.000140	0.10	0.77	4.77	0.08
River 1	Reach 1-Upper	493	5YrCHI3Hr	0.13	92.34	92.66	92.45	92.66	0.000206	0.13	0.98	5.52	0.10
River 1	Reach 1-Upper	493	10YrCHI3Hr	0.16	92.34	92.68	92.46	92.68	0.000234	0.14	1.14	6.01	0.11
River 1	Reach 1-Upper	493	25YrCHI3Hr	0.21	92.34	92.73	92.48	92.73	0.000204	0.15	1.47	6.78	0.10
River 1	Reach 1-Upper	493	50YrCHI3Hr	0.26	92.34	92.82	92.49	92.83	0.000109	0.12	2.14	8.33	0.08
River 1	Reach 1-Upper	493	100YrCHI3Hr	0.31	92.34	92.98	92.50	92.98	0.000002	0.02	27.11	101.30	0.01
River 1	Reach 1-Upper	493	2YrSCS24Hr	0.11	92.34	92.64	92.44	92.65	0.000190	0.12	0.93	5.32	0.09
River 1	Reach 1-Upper	493	5YrSCS24Hr	0.18	92.34	92.69	92.46	92.70	0.000232	0.15	1.21	6.21	0.11
River 1	Reach 1-Upper	493	10YrSCS24Hr	0.22	92.34	92.74	92.48	92.74	0.000189	0.14	1.54	6.89	0.10
River 1	Reach 1-Upper	493	25YrSCS24Hr	0.28	92.34	92.89	92.50	92.89	0.000065	0.10	2.72	10.17	0.06
River 1	Reach 1-Upper	493	50YrSCS24Hr	0.33	92.34	93.05	92.51	93.05	0.000001	0.02	34.55	101.67	0.01
River 1	Reach 1-Upper	493	100YrSCS24Hr	0.38	92.34	93.28	92.52	93.28	0.000000	0.01	57.34	102.84	0.00
River 1	Reach 1-Upper	474	2YrCHI3Hr	0.08	92.41	92.61	92.50	92.61	0.000593	0.15	0.52	5.18	0.15
River 1	Reach 1-Upper	474	5YrCHI3Hr	0.13	92.41	92.65	92.53	92.65	0.000598	0.17	0.74	6.03	0.16
River 1	Reach 1-Upper	474	10YrCHI3Hr	0.16	92.41	92.68	92.54	92.68	0.000560	0.18	0.91	6.62	0.15
River 1	Reach 1-Upper	474	25YrCHI3Hr	0.21	92.41	92.73	92.56	92.73	0.000375	0.17	1.29	7.74	0.13
River 1	Reach 1-Upper	474	50YrCHI3Hr	0.26	92.41	92.82	92.57	92.82	0.000002	0.01	24.36	91.42	0.01
River 1	Reach 1-Upper	474	100YrCHI3Hr	0.31	92.41	92.98	92.57	92.98	0.000000	0.01	38.60	92.12	0.01
River 1	Reach 1-Upper	474	2YrSCS24Hr	0.11	92.41	92.64	92.52	92.64	0.000601	0.17	0.68	5.81	0.16
River 1	Reach 1-Upper	474	5YrSCS24Hr	0.18	92.41	92.69	92.55	92.69	0.000516	0.18	0.99	6.87	0.15
River 1	Reach 1-Upper	474	10YrSCS24Hr	0.22	92.41	92.74	92.56	92.74	0.000335	0.16	1.37	7.98	0.12
River 1	Reach 1-Upper	474	25YrSCS24Hr	0.28	92.41	92.89	92.57	92.89	0.000001	0.01	30.17	91.71	0.01
River 1	Reach 1-Upper	474	50YrSCS24Hr	0.33	92.41	93.05	92.58	93.05	0.000000	0.01	45.36	92.45	0.00
River 1	Reach 1-Upper	474	100YrSCS24Hr	0.38	92.41	93.28	92.59	93.28	0.000000	0.01	66.08	93.46	0.00
River 1	Reach 1-Upper	454	2YrCHI3Hr	0.08	92.44	92.59	92.51	92.59	0.001595	0.25	0.31	2.95	0.25
River 1	Reach 1-Upper	454	5YrCHI3Hr	0.13	92.44	92.63	92.53	92.63	0.001681	0.30	0.43	3.36	0.26
River 1	Reach 1-Upper	454	10YrCHI3Hr	0.16	92.44	92.66	92.55	92.66	0.001585	0.31	0.53	3.66	0.26
River 1	Reach 1-Upper	454	25YrCHI3Hr	0.21	92.44	92.71	92.56	92.72	0.000986	0.28	0.76	4.27	0.21
River 1	Reach 1-Upper	454	50YrCHI3Hr	0.26	92.44	92.82	92.57	92.82	0.000017	0.04	11.00	82.83	0.03
River 1	Reach 1-Upper	454	100YrCHI3Hr	0.31	92.44	92.98	92.59	92.98	0.000002	0.02	23.90	83.31	0.01
River 1	Reach 1-Upper	454	2YrSCS24Hr	0.11	92.44	92.62	92.53	92.62	0.001702	0.29	0.39	3.25	0.26
River 1	Reach 1-Upper	454	5YrSCS24Hr	0.18	92.44	92.67	92.55	92.67	0.001428	0.31	0.58	3.79	0.25
River 1	Reach 1-Upper	454	10YrSCS24Hr	0.22	92.44	92.73	92.56	92.73	0.000862	0.27	0.81	4.39	0.20
River 1	Reach 1-Upper	454	25YrSCS24Hr	0.28	92.44	92.89	92.58	92.89	0.000006	0.03	16.27	83.03	0.02
River 1	Reach 1-Upper	454	50YrSCS24Hr	0.33	92.44	93.05	92.59	93.05	0.000001	0.02	30.02	83.53	0.01
River 1	Reach 1-Upper	454	100YrSCS24Hr	0.38	92.44	93.28	92.61	93.28	0.000000	0.01	48.71	84.20	0.00
River 1	Reach 1-Upper	434	2YrCHI3Hr	0.08	92.42	92.54	92.49	92.55	0.003018	0.30	0.25	2.97	0.33
River 1	Reach 1-Upper	434	5YrCHI3Hr	0.13	92.42	92.59	92.51	92.59	0.002121	0.32	0.40	3.39	0.29
River 1	Reach 1-Upper	434	10YrCHI3Hr	0.16	92.42	92.62	92.52	92.63	0.001672	0.31	0.52	3.69	0.27
River 1	Reach 1-Upper	434	25YrCHI3Hr	0.21	92.42	92.71	92.54	92.71	0.000117	0.10	3.85	43.01	0.07
River 1	Reach 1-Upper	434	50YrCHI3Hr	0.26	92.42	92.82	92.55	92.82	0.000014	0.04	11.01	73.93	0.03
River 1	Reach 1-Upper	434	100YrCHI3Hr	0.31	92.42	92.98	92.56	92.98	0.000002	0.02	22.55	74.47	0.01
River 1	Reach 1-Upper	434	2YrSCS24Hr	0.11	92.42	92.57	92.50	92.58	0.002333	0.31	0.36	3.27	0.30
River 1	Reach 1-Upper	434	5YrSCS24Hr	0.18	92.42	92.64	92.53	92.64	0.001598	0.30	0.58	4.26	0.26
River 1	Reach 1-Upper	434	10YrSCS24Hr	0.22	92.42	92.72	92.54	92.72	0.000089	0.09	4.45	47.65	0.06
River 1	Reach 1-Upper	434	25YrSCS24Hr	0.28	92.42	92.89	92.55	92.89	0.000005	0.03	15.73	74.15	0.02
River 1	Reach 1-Upper	434	50YrSCS24Hr	0.33	92.42	93.05	92.57	93.05	0.000001	0.02	28.02	74.72	0.01
River 1	Reach 1-Upper	434	100YrSCS24Hr	0.38	92.42	93.28	92.58	93.28	0.000000	0.01	44.76	75.55	0.00
River 1	Reach 1-Upper	416	2YrCHI3Hr	0.08	92.34	92.52	92.42	92.53	0.000570	0.16	0.50	4.92	0.15
River 1	Reach 1-Upper	416	5YrCHI3Hr	0.13	92.34	92.58	92.45	92.58	0.000411	0.17	0.78	5.95	0.14
River 1	Reach 1-Upper	416	10YrCHI3Hr	0.16	92.34	92.62	92.46	92.62	0.000153	0.12	2.34	28.94	0.09
River 1	Reach 1-Upper	416	25YrCHI3Hr	0.21	92.34	92.71	92.47	92.71	0.000034	0.07	5.28	35.31	0.04
River 1	Reach 1-Upper	416	50YrCHI3Hr	0.26	92.34	92.82	92.48	92.82	0.000009	0.05	9.98	45.71	0.02
River 1	Reach 1-Upper	416	100YrCHI3Hr	0.31	92.34	92.98	92.49	92.98	0.000003	0.03	19.16	66.90	0.01
River 1	Reach 1-Upper	416	2YrSCS24Hr	0.11	92.34	92.56	92.44	92.56	0.000446	0.17	0.70	5.67	0.14
River 1	Reach 1-Upper	416	5YrSCS24Hr	0.18	92.34	92.64	92.47	92.64	0.000111	0.11	2.84	30.13	0.07
River 1	Reach 1-Upper	416	10YrSCS24Hr	0.22	92.34	92.72	92.48	92.72	0.000029	0.07	5.77	36.29	0.04
River 1	Reach 1-Upper	416	25YrSCS24Hr	0.28	92.34	92.89	92.49	92.89	0.000006	0.04	13.26	57.17	0.02
River 1	Reach 1-Upper	416	50YrSCS24Hr	0.33	92.34	93.05	92.50	93.05	0.000002	0.03	24.08	67.16	0.01
River 1	Reach 1-Upper	416	100YrSCS24Hr	0.38	92.34	93.28	92.50	93.28	0.000000	0.02	39.14	67.97	0.01
River 1	Reach 1-Upper	398	2YrCHI3Hr	0.08	92.28	92.51	92.40	92.51	0.000941	0.23	0.34	2.57	0.20
River 1	Reach 1-Upper	398	5YrCHI3Hr	0.13	92.28	92.56	92.43	92.57	0.000911	0.26	0.49	2.89	0.20
River 1	Reach 1-Upper	398	10YrCHI3Hr	0.16	92.28	92.61	92.44	92.61	0.000744	0.26	0.63	3.17	0.19
River 1	Reach 1-Upper	398	25YrCHI3Hr	0.21	92.28	92.71	92.46	92.71	0.000375	0.22	0.97	4.34	0.14
River 1	Reach 1-Upper	398	50YrCHI3Hr	0.26	92.28	92.82	92.47	92.82	0.000101	0.14	3.54	45.04	0.08
River 1	Reach 1-Upper	398	100YrCHI3Hr	0.31	92.28	92.98	92.49	92.98	0.000010	0.05	11.83	58.56	0.02
River 1	Reach 1-Upper	398	2YrSCS24Hr	0.11	92.28	92.55	92.42	92.55	0.000929	0.25	0.45	2.81	0.20
River 1	Reach 1-Upper	398	5YrSCS24Hr	0.18	92.28	92.63	92.44	92.63	0.000665	0.26	0.69	3.28	0.18
River 1	Reach 1-Upper	398	10YrSCS24Hr	0.22	92.28	92.72	92.46	92.72	0.000340	0.22	1.03	4.90	0.13
River 1	Reach 1-Upper	398	25YrSCS24Hr	0.28	92.28	92.89	92.48	92.89	0.000034	0.09	6.58	49.48	0.04
River 1	Reach 1-Upper	398	50YrSCS24Hr	0.33	92.28	93.05	92.49	93.05	0.000005	0.04	16.13	58.78	0.02
River 1	Reach 1-Upper	398	100YrSCS24Hr	0.38	92.28	93.28	92.51	93.28	0.000001	0.02	29.31	59.42	0.01
River 1	Reach 1-Upper	383	2YrCHI3Hr	0.08	92.34	92.48	92.42	92.49	0.004195	0.39	0.20	1.99	0.40
River 1	Reach 1-Upper	383	5YrCHI3Hr	0.13	92.34	92.54	92.45	92.54	0.002725	0.39	0.32	2.34	0.34
River 1	Reach 1-Upper	383	10YrCHI3Hr	0.16	92.34	92.59	92.46	92.60	0.001702	0.36	0.46	2.64	0.28
River 1	Reach 1-Upper	383	25YrCHI3Hr	0.21	92.34	92.70	92.49	92.70	0.000669	0.28	0.77	3.24	0.18
River 1	Reach 1-Upper	383	50YrCHI3Hr	0.26	92.34	92.82	92.50	92.82	0.000280	0.21	1.21	3.92	0.12
River 1	Reach 1-Upper	383	100YrCHI3Hr	0.31	92.34	92.98	92.52	92.98	0.000109	0.16	1.93	5.32	0.08
River 1	Reach 1-Upper	383	2YrSCS24Hr	0.11	92.34	92.52	92.44	92.53	0.003103	0.40	0.28	2.24	0.36
River 1	Reach 1-Upper	383	5YrSCS24Hr	0.18	92.34	92.61	92.47	92.62	0.001407	0.34	0.51	2.76	0.25
River 1	Reach 1-Upper	383	10YrSCS24Hr	0.22	92.34	92.71	92.49	92.71	0.000603	0.27	0.82	3.32	0.17
River 1	Reach 1-Upper	383	25YrSCS24Hr	0.28	92.34	92.88	92.51	92.89	0.000190	0.19	1.48	4.29	0.10

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River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
River 1	Reach 1-Upper	383	50YrSCS24Hr	0.33	92.34	93.05	92.52	93.05	0.000010	0.05	11.65	51.68	0.03
River 1	Reach 1-Upper	383	100YrSCS24Hr	0.38	92.34	93.28	92.54	93.28	0.000002	0.03	23.26	52.34	0.01
River 1	Reach 1-Upper	364	2YrCHI3Hr	0.08	92.23	92.44	92.34	92.44	0.001335	0.27	0.28	2.08	0.23
River 1	Reach 1-Upper	364	5YrCHI3Hr	0.13	92.23	92.51	92.36	92.51	0.001059	0.29	0.44	2.41	0.22
River 1	Reach 1-Upper	364	10YrCHI3Hr	0.16	92.23	92.57	92.38	92.58	0.000730	0.27	0.60	2.72	0.19
River 1	Reach 1-Upper	364	25YrCHI3Hr	0.21	92.23	92.69	92.40	92.69	0.000346	0.23	0.95	3.30	0.13
River 1	Reach 1-Upper	364	50YrCHI3Hr	0.26	92.23	92.82	92.42	92.82	0.000178	0.18	1.41	4.08	0.10
River 1	Reach 1-Upper	364	100YrCHI3Hr	0.31	92.23	92.98	92.43	92.98	0.000062	0.13	3.78	43.88	0.06
River 1	Reach 1-Upper	364	2YrSCS24Hr	0.11	92.23	92.49	92.36	92.49	0.001160	0.29	0.39	2.31	0.23
River 1	Reach 1-Upper	364	5YrSCS24Hr	0.18	92.23	92.60	92.39	92.60	0.000628	0.26	0.66	2.84	0.17
River 1	Reach 1-Upper	364	10YrSCS24Hr	0.22	92.23	92.70	92.40	92.71	0.000320	0.22	1.00	3.37	0.13
River 1	Reach 1-Upper	364	25YrSCS24Hr	0.28	92.23	92.88	92.42	92.88	0.000125	0.16	1.71	4.91	0.08
River 1	Reach 1-Upper	364	50YrSCS24Hr	0.33	92.23	93.05	92.44	93.05	0.000024	0.09	7.11	44.08	0.04
River 1	Reach 1-Upper	364	100YrSCS24Hr	0.38	92.23	93.28	92.46	93.28	0.000003	0.04	17.03	44.82	0.02
River 1	Reach 1-Upper	347	2YrCHI3Hr	0.08	92.26	92.42	92.33	92.42	0.001247	0.25	0.31	2.52	0.22
River 1	Reach 1-Upper	347	5YrCHI3Hr	0.13	92.26	92.49	92.35	92.50	0.000764	0.25	0.51	2.84	0.19
River 1	Reach 1-Upper	347	10YrCHI3Hr	0.16	92.26	92.56	92.37	92.57	0.000481	0.23	0.72	3.13	0.15
River 1	Reach 1-Upper	347	25YrCHI3Hr	0.21	92.26	92.68	92.38	92.69	0.000223	0.19	1.13	3.65	0.11
River 1	Reach 1-Upper	347	50YrCHI3Hr	0.26	92.26	92.81	92.40	92.81	0.000114	0.16	1.64	4.21	0.08
River 1	Reach 1-Upper	347	100YrCHI3Hr	0.31	92.26	92.98	92.41	92.98	0.000054	0.13	2.42	6.23	0.06
River 1	Reach 1-Upper	347	2YrSCS24Hr	0.11	92.26	92.47	92.35	92.48	0.000881	0.25	0.45	2.74	0.20
River 1	Reach 1-Upper	347	5YrSCS24Hr	0.18	92.26	92.59	92.37	92.59	0.000407	0.22	0.80	3.24	0.14
River 1	Reach 1-Upper	347	10YrSCS24Hr	0.22	92.26	92.70	92.38	92.70	0.000206	0.19	1.19	3.72	0.11
River 1	Reach 1-Upper	347	25YrSCS24Hr	0.28	92.26	92.88	92.40	92.88	0.000085	0.14	1.93	4.52	0.07
River 1	Reach 1-Upper	347	50YrSCS24Hr	0.33	92.26	93.05	92.41	93.05	0.000037	0.12	3.16	14.13	0.05
River 1	Reach 1-Upper	347	100YrSCS24Hr	0.38	92.26	93.28	92.43	93.28	0.000006	0.06	12.31	37.97	0.02
River 1	Reach 1-Upper	328	2YrCHI3Hr	0.08	92.20	92.39	92.29	92.39	0.001651	0.30	0.26	1.92	0.26
River 1	Reach 1-Upper	328	5YrCHI3Hr	0.13	92.20	92.48	92.32	92.48	0.000966	0.29	0.44	2.28	0.21
River 1	Reach 1-Upper	328	10YrCHI3Hr	0.16	92.20	92.55	92.34	92.55	0.000609	0.26	0.62	2.59	0.17
River 1	Reach 1-Upper	328	25YrCHI3Hr	0.21	92.20	92.68	92.36	92.68	0.000289	0.22	0.99	3.12	0.12
River 1	Reach 1-Upper	328	50YrCHI3Hr	0.26	92.20	92.81	92.38	92.81	0.000165	0.18	1.44	4.02	0.09
River 1	Reach 1-Upper	328	100YrCHI3Hr	0.31	92.20	92.97	92.39	92.98	0.000079	0.14	2.18	4.99	0.07
River 1	Reach 1-Upper	328	2YrSCS24Hr	0.11	92.20	92.45	92.31	92.46	0.001116	0.29	0.39	2.18	0.22
River 1	Reach 1-Upper	328	5YrSCS24Hr	0.18	92.20	92.58	92.34	92.58	0.000518	0.25	0.69	2.70	0.16
River 1	Reach 1-Upper	328	10YrSCS24Hr	0.22	92.20	92.70	92.36	92.70	0.000268	0.21	1.04	3.19	0.12
River 1	Reach 1-Upper	328	25YrSCS24Hr	0.28	92.20	92.88	92.38	92.88	0.000119	0.16	1.73	4.39	0.08
River 1	Reach 1-Upper	328	50YrSCS24Hr	0.33	92.20	93.05	92.40	93.05	0.000056	0.13	2.59	5.81	0.06
River 1	Reach 1-Upper	328	100YrSCS24Hr	0.38	92.20	93.28	92.42	93.28	0.000010	0.07	9.31	29.89	0.03
River 1	Reach 1-Upper	306	2YrCHI3Hr	0.08	92.07	92.37	92.19	92.37	0.000732	0.26	0.29	1.56	0.18
River 1	Reach 1-Upper	306	5YrCHI3Hr	0.13	92.07	92.46	92.23	92.46	0.000682	0.31	0.42	1.87	0.18
River 1	Reach 1-Upper	306	10YrCHI3Hr	0.16	92.07	92.54	92.25	92.54	0.000557	0.31	0.53	2.14	0.17
River 1	Reach 1-Upper	306	25YrCHI3Hr	0.21	92.07	92.67	92.28	92.67	0.000330	0.29	0.73	2.65	0.13
River 1	Reach 1-Upper	306	50YrCHI3Hr	0.26	92.07	92.80	92.30	92.81	0.000212	0.28	0.93	3.22	0.11
River 1	Reach 1-Upper	306	100YrCHI3Hr	0.31	92.07	92.97	92.32	92.97	0.000136	0.26	1.18	4.39	0.09
River 1	Reach 1-Upper	306	2YrSCS24Hr	0.11	92.07	92.43	92.22	92.44	0.000706	0.30	0.38	1.78	0.18
River 1	Reach 1-Upper	306	5YrSCS24Hr	0.18	92.07	92.57	92.26	92.57	0.000500	0.31	0.57	2.24	0.16
River 1	Reach 1-Upper	306	10YrSCS24Hr	0.22	92.07	92.69	92.28	92.69	0.000315	0.29	0.75	2.72	0.13
River 1	Reach 1-Upper	306	25YrSCS24Hr	0.28	92.07	92.87	92.31	92.88	0.000176	0.27	1.03	3.52	0.10
River 1	Reach 1-Upper	306	50YrSCS24Hr	0.33	92.07	93.05	92.33	93.05	0.000113	0.25	1.29	5.08	0.09
River 1	Reach 1-Upper	306	100YrSCS24Hr	0.38	92.07	93.27	92.35	93.27	0.000071	0.23	1.63	20.92	0.07
River 1	Reach 1-Upper	300		Culvert									
River 1	Reach 1-Upper	294	2YrCHI3Hr	0.08	92.15	92.33	92.24	92.33	0.001623	0.33	0.23	2.13	0.27
River 1	Reach 1-Upper	294	5YrCHI3Hr	0.13	92.15	92.37	92.26	92.38	0.001907	0.42	0.30	2.36	0.30
River 1	Reach 1-Upper	294	10YrCHI3Hr	0.16	92.15	92.39	92.28	92.41	0.002165	0.49	0.34	2.49	0.33
River 1	Reach 1-Upper	294	25YrCHI3Hr	0.21	92.15	92.42	92.30	92.44	0.002461	0.56	0.38	2.64	0.36
River 1	Reach 1-Upper	294	50YrCHI3Hr	0.26	92.15	92.45	92.32	92.47	0.002689	0.62	0.41	2.75	0.38
River 1	Reach 1-Upper	294	100YrCHI3Hr	0.31	92.15	92.47	92.33	92.49	0.002898	0.68	0.45	2.87	0.40
River 1	Reach 1-Upper	294	2YrSCS24Hr	0.11	92.15	92.36	92.25	92.37	0.001813	0.40	0.28	2.31	0.29
River 1	Reach 1-Upper	294	5YrSCS24Hr	0.18	92.15	92.40	92.28	92.41	0.002263	0.51	0.35	2.52	0.34
River 1	Reach 1-Upper	294	10YrSCS24Hr	0.22	92.15	92.43	92.30	92.44	0.002532	0.58	0.38	2.65	0.36
River 1	Reach 1-Upper	294	25YrSCS24Hr	0.28	92.15	92.46	92.32	92.48	0.002786	0.65	0.43	2.80	0.39
River 1	Reach 1-Upper	294	50YrSCS24Hr	0.33	92.15	92.48	92.34	92.50	0.002974	0.71	0.46	2.92	0.41
River 1	Reach 1-Upper	294	100YrSCS24Hr	0.38	92.15	92.50	92.36	92.53	0.003240	0.77	0.49	3.02	0.43
River 1	Reach 1-Upper	279	2YrCHI3Hr	0.09	92.08	92.21	92.21	92.25	0.030677	0.84	0.11	1.56	1.01
River 1	Reach 1-Upper	279	5YrCHI3Hr	0.15	92.08	92.25	92.25	92.29	0.024457	0.90	0.17	1.87	0.95
River 1	Reach 1-Upper	279	10YrCHI3Hr	0.20	92.08	92.28		92.32	0.017438	0.87	0.23	2.05	0.83
River 1	Reach 1-Upper	279	25YrCHI3Hr	0.27	92.08	92.32		92.36	0.013351	0.86	0.31	2.26	0.74
River 1	Reach 1-Upper	279	50YrCHI3Hr	0.32	92.08	92.34		92.38	0.011757	0.87	0.37	2.42	0.71
River 1	Reach 1-Upper	279	100YrCHI3Hr	0.38	92.08	92.37		92.41	0.010680	0.88	0.43	2.57	0.69
River 1	Reach 1-Upper	279	2YrSCS24Hr	0.14	92.08	92.24	92.24	92.28	0.027916	0.90	0.15	1.79	1.00
River 1	Reach 1-Upper	279	5YrSCS24Hr	0.22	92.08	92.29		92.33	0.015850	0.86	0.25	2.11	0.79
River 1	Reach 1-Upper	279	10YrSCS24Hr	0.27	92.08	92.32		92.36	0.013094	0.86	0.32	2.29	0.74
River 1	Reach 1-Upper	279	25YrSCS24Hr	0.35	92.08	92.35		92.39	0.011229	0.87	0.40	2.49	0.70
River 1	Reach 1-Upper	279	50YrSCS24Hr	0.41	92.08	92.38		92.42	0.010330	0.89	0.46	2.63	0.68
River 1	Reach 1-Upper	279	100YrSCS24Hr	0.47	92.08	92.40		92.44	0.009621	0.90	0.52	2.77	0.66
River 1	Reach 1-Upper	277	2YrCHI3Hr	0.09	91.95	92.21		92.22	0.000731	0.22	0.41	2.76	0.18
River 1	Reach 1-Upper	277	5YrCHI3Hr	0.15	91.95	92.26		92.27	0.000866	0.29	0.56	3.04	0.20
River 1	Reach 1-Upper	277	10YrCHI3Hr	0.20	91.95	92.29		92.30	0.000933	0.33	0.65	3.21	0.22
River 1	Reach 1-Upper	277	25YrCHI3Hr	0.27	91.95	92.33		92.33	0.001005	0.37	0.76	3.40	0.23
River 1	Reach 1-Upper	277	50YrCHI3Hr	0.32	91.95	92.35		92.36	0.001064	0.41	0.85	3.54	0.24
River 1	Reach 1-Upper	277	100YrCHI3Hr	0.38	91.95	92.38		92.39	0.001128	0.44	0.94	3.68	0.25
River 1	Reach 1-Upper	277	2YrSCS24Hr	0.14	91.95	92.25		92.25	0.000837	0.27	0.52	2.97	0.20

HEC-RAS Plan: 20250603-Post_Dev_v01 (Continued)

River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
River 1	Reach 1-Upper	277	5YrSCS24Hr	0.22	91.95	92.30		92.31	0.000942	0.34	0.68	3.26	0.22
River 1	Reach 1-Upper	277	10YrSCS24Hr	0.27	91.95	92.33		92.34	0.001013	0.38	0.77	3.42	0.23
River 1	Reach 1-Upper	277	25YrSCS24Hr	0.35	91.95	92.36		92.37	0.001094	0.42	0.89	3.61	0.24
River 1	Reach 1-Upper	277	50YrSCS24Hr	0.41	91.95	92.39		92.40	0.001153	0.46	0.98	3.74	0.25
River 1	Reach 1-Upper	277	100YrSCS24Hr	0.47	91.95	92.41		92.42	0.001212	0.49	1.07	3.88	0.26
River 1	Reach 1-Upper	270	2YrCHI3Hr	0.09	92.03	92.21		92.21	0.001711	0.28	0.32	2.69	0.26
River 1	Reach 1-Upper	270	5YrCHI3Hr	0.15	92.03	92.25		92.26	0.001749	0.34	0.46	3.12	0.28
River 1	Reach 1-Upper	270	10YrCHI3Hr	0.20	92.03	92.28		92.29	0.001743	0.37	0.55	3.39	0.28
River 1	Reach 1-Upper	270	25YrCHI3Hr	0.27	92.03	92.32		92.33	0.001732	0.40	0.68	3.71	0.29
River 1	Reach 1-Upper	270	50YrCHI3Hr	0.32	92.03	92.34		92.35	0.001724	0.42	0.77	4.08	0.29
River 1	Reach 1-Upper	270	100YrCHI3Hr	0.38	92.03	92.37		92.38	0.001666	0.45	0.89	4.95	0.29
River 1	Reach 1-Upper	270	2YrSCS24Hr	0.14	92.03	92.24		92.25	0.001760	0.32	0.42	2.99	0.27
River 1	Reach 1-Upper	270	5YrSCS24Hr	0.22	92.03	92.29		92.30	0.001718	0.37	0.59	3.47	0.28
River 1	Reach 1-Upper	270	10YrSCS24Hr	0.27	92.03	92.32		92.33	0.001733	0.40	0.69	3.75	0.29
River 1	Reach 1-Upper	270	25YrSCS24Hr	0.35	92.03	92.35		92.36	0.001697	0.43	0.82	4.48	0.29
River 1	Reach 1-Upper	270	50YrSCS24Hr	0.41	92.03	92.38		92.39	0.001643	0.46	0.94	5.31	0.29
River 1	Reach 1-Upper	270	100YrSCS24Hr	0.47	92.03	92.40		92.41	0.001586	0.48	1.08	5.71	0.29
River 1	Reach 1-Upper	261	2YrCHI3Hr	0.09	92.00	92.19	92.11	92.19	0.002280	0.34	0.27	2.14	0.30
River 1	Reach 1-Upper	261	5YrCHI3Hr	0.15	92.00	92.23	92.14	92.24	0.002570	0.41	0.37	2.36	0.33
River 1	Reach 1-Upper	261	10YrCHI3Hr	0.20	92.00	92.26	92.15	92.27	0.002733	0.46	0.44	2.49	0.35
River 1	Reach 1-Upper	261	25YrCHI3Hr	0.27	92.00	92.29	92.18	92.31	0.002879	0.51	0.52	2.65	0.37
River 1	Reach 1-Upper	261	50YrCHI3Hr	0.32	92.00	92.32	92.19	92.33	0.003006	0.54	0.59	2.77	0.38
River 1	Reach 1-Upper	261	100YrCHI3Hr	0.38	92.00	92.34	92.21	92.36	0.003119	0.58	0.66	2.89	0.39
River 1	Reach 1-Upper	261	2YrSCS24Hr	0.14	92.00	92.22	92.13	92.23	0.002496	0.39	0.34	2.30	0.33
River 1	Reach 1-Upper	261	5YrSCS24Hr	0.22	92.00	92.27	92.16	92.28	0.002723	0.47	0.46	2.54	0.35
River 1	Reach 1-Upper	261	10YrSCS24Hr	0.27	92.00	92.30	92.18	92.31	0.002897	0.51	0.53	2.67	0.37
River 1	Reach 1-Upper	261	25YrSCS24Hr	0.35	92.00	92.33	92.20	92.34	0.003059	0.56	0.62	2.82	0.38
River 1	Reach 1-Upper	261	50YrSCS24Hr	0.41	92.00	92.35	92.22	92.37	0.003161	0.59	0.69	2.94	0.39
River 1	Reach 1-Upper	261	100YrSCS24Hr	0.47	92.00	92.37	92.24	92.39	0.003275	0.63	0.76	3.07	0.40
River 1	Reach 1-Upper	239	2YrCHI3Hr	0.09	91.93	92.05	92.04	92.08	0.017237	0.70	0.13	1.61	0.78
River 1	Reach 1-Upper	239	5YrCHI3Hr	0.15	91.93	92.10	92.07	92.12	0.013911	0.75	0.21	1.91	0.73
River 1	Reach 1-Upper	239	10YrCHI3Hr	0.20	91.93	92.12	92.09	92.15	0.012488	0.78	0.26	2.07	0.71
River 1	Reach 1-Upper	239	25YrCHI3Hr	0.27	91.93	92.15	92.12	92.19	0.011193	0.82	0.32	2.23	0.69
River 1	Reach 1-Upper	239	50YrCHI3Hr	0.32	91.93	92.18	92.13	92.21	0.010512	0.85	0.38	2.35	0.68
River 1	Reach 1-Upper	239	100YrCHI3Hr	0.38	91.93	92.20	92.15	92.24	0.009943	0.87	0.44	2.48	0.67
River 1	Reach 1-Upper	239	2YrSCS24Hr	0.14	91.93	92.08	92.06	92.11	0.014638	0.74	0.18	1.83	0.74
River 1	Reach 1-Upper	239	5YrSCS24Hr	0.22	91.93	92.13	92.10	92.16	0.012117	0.79	0.27	2.11	0.70
River 1	Reach 1-Upper	239	10YrSCS24Hr	0.27	91.93	92.16	92.12	92.19	0.011093	0.82	0.33	2.25	0.69
River 1	Reach 1-Upper	239	25YrSCS24Hr	0.35	91.93	92.19	92.14	92.23	0.010240	0.86	0.40	2.41	0.67
River 1	Reach 1-Upper	239	50YrSCS24Hr	0.41	91.93	92.21	92.16	92.25	0.009700	0.88	0.46	2.53	0.66
River 1	Reach 1-Upper	239	100YrSCS24Hr	0.47	91.93	92.23	92.18	92.28	0.009178	0.90	0.52	2.66	0.65
River 1	Reach 1-Upper	218	2YrCHI3Hr	0.09	91.82	91.98	91.90	91.98	0.002022	0.31	0.30	2.52	0.28
River 1	Reach 1-Upper	218	5YrCHI3Hr	0.15	91.82	92.02	91.93	92.03	0.002161	0.37	0.41	2.74	0.31
River 1	Reach 1-Upper	218	10YrCHI3Hr	0.20	91.82	92.05	91.94	92.06	0.002207	0.41	0.49	2.87	0.31
River 1	Reach 1-Upper	218	25YrCHI3Hr	0.27	91.82	92.08	91.96	92.09	0.002325	0.45	0.59	3.03	0.33
River 1	Reach 1-Upper	218	50YrCHI3Hr	0.32	91.82	92.10	91.97	92.12	0.002387	0.48	0.66	3.14	0.34
River 1	Reach 1-Upper	218	100YrCHI3Hr	0.38	91.82	92.13	91.99	92.14	0.002436	0.51	0.74	3.27	0.34
River 1	Reach 1-Upper	218	2YrSCS24Hr	0.14	91.82	92.01	91.92	92.01	0.002130	0.35	0.38	2.68	0.30
River 1	Reach 1-Upper	218	5YrSCS24Hr	0.22	91.82	92.06	91.95	92.06	0.002240	0.42	0.52	2.91	0.32
River 1	Reach 1-Upper	218	10YrSCS24Hr	0.27	91.82	92.08	91.96	92.09	0.002335	0.46	0.60	3.04	0.33
River 1	Reach 1-Upper	218	25YrSCS24Hr	0.35	91.82	92.12	91.98	92.13	0.002410	0.50	0.70	3.20	0.34
River 1	Reach 1-Upper	218	50YrSCS24Hr	0.41	91.82	92.14	92.00	92.15	0.002460	0.53	0.78	3.33	0.35
River 1	Reach 1-Upper	218	100YrSCS24Hr	0.47	91.82	92.17	92.01	92.18	0.002488	0.55	0.86	3.49	0.35
River 1	Reach 1-Upper	197	2YrCHI3Hr	0.09	91.73	91.86	91.84	91.88	0.015440	0.67	0.14	1.62	0.74
River 1	Reach 1-Upper	197	5YrCHI3Hr	0.15	91.73	91.90	91.88	91.93	0.013158	0.74	0.21	1.89	0.71
River 1	Reach 1-Upper	197	10YrCHI3Hr	0.20	91.73	91.93	91.90	91.96	0.012270	0.78	0.26	2.03	0.70
River 1	Reach 1-Upper	197	25YrCHI3Hr	0.27	91.73	91.96	91.92	91.99	0.011534	0.84	0.32	2.17	0.70
River 1	Reach 1-Upper	197	50YrCHI3Hr	0.32	91.73	91.98	91.94	92.02	0.010821	0.87	0.37	2.28	0.69
River 1	Reach 1-Upper	197	100YrCHI3Hr	0.38	91.73	92.00	91.96	92.04	0.010553	0.90	0.42	2.38	0.68
River 1	Reach 1-Upper	197	2YrSCS24Hr	0.14	91.73	91.89	91.87	91.92	0.013722	0.72	0.19	1.83	0.72
River 1	Reach 1-Upper	197	5YrSCS24Hr	0.22	91.73	91.93	91.90	91.97	0.012069	0.80	0.27	2.07	0.70
River 1	Reach 1-Upper	197	10YrSCS24Hr	0.27	91.73	91.96	91.92	92.00	0.011461	0.84	0.32	2.19	0.70
River 1	Reach 1-Upper	197	25YrSCS24Hr	0.35	91.73	91.99	91.95	92.03	0.010693	0.88	0.39	2.33	0.69
River 1	Reach 1-Upper	197	50YrSCS24Hr	0.41	91.73	92.01	91.96	92.05	0.010457	0.92	0.44	2.42	0.69
River 1	Reach 1-Upper	197	100YrSCS24Hr	0.47	91.73	92.03	91.98	92.08	0.010270	0.96	0.50	2.52	0.69
River 1	Reach 1-Upper	174	2YrCHI3Hr	0.09	91.52	91.71	91.64	91.72	0.004267	0.43	0.21	1.87	0.41
River 1	Reach 1-Upper	174	5YrCHI3Hr	0.15	91.52	91.75	91.68	91.77	0.004475	0.50	0.31	2.19	0.43
River 1	Reach 1-Upper	174	10YrCHI3Hr	0.20	91.52	91.78	91.70	91.79	0.004646	0.55	0.36	2.32	0.45
River 1	Reach 1-Upper	174	25YrCHI3Hr	0.27	91.52	91.81	91.72	91.83	0.004785	0.61	0.44	2.47	0.46
River 1	Reach 1-Upper	174	50YrCHI3Hr	0.32	91.52	91.83	91.74	91.85	0.004939	0.65	0.49	2.58	0.47
River 1	Reach 1-Upper	174	100YrCHI3Hr	0.38	91.52	91.85	91.76	91.88	0.005072	0.69	0.55	2.69	0.49
River 1	Reach 1-Upper	174	2YrSCS24Hr	0.14	91.52	91.74	91.67	91.75	0.004398	0.48	0.28	2.12	0.42
River 1	Reach 1-Upper	174	5YrSCS24Hr	0.22	91.52	91.79	91.70	91.80	0.004687	0.57	0.38	2.35	0.45
River 1	Reach 1-Upper	174	10YrSCS24Hr	0.27	91.52	91.81	91.72	91.83	0.004808	0.61	0.44	2.48	0.46
River 1	Reach 1-Upper	174	25YrSCS24Hr	0.35	91.52	91.84	91.75	91.86	0.005003	0.67	0.52	2.63	0.48
River 1	Reach 1-Upper	174	50YrSCS24Hr	0.41	91.52	91.86	91.77	91.89	0.005118	0.71	0.58	2.73	0.49
River 1	Reach 1-Upper	174	100YrSCS24Hr	0.47	91.52	91.89	91.78	91.91	0.005160	0.74	0.64	2.85	0.50
River 1	Reach 1-Upper	154	2YrCHI3Hr	0.09	91.43	91.62	91.56	91.63	0.004368	0.40	0.23	2.24	0.41
River 1	Reach 1-Upper	154	5YrCHI3Hr	0.15	91.43	91.67	91.60	91.68	0.004241	0.46	0.33	2.63	0.42
River 1	Reach 1-Upper	154	10YrCHI3Hr	0.20	91.43	91.69	91.61	91.70	0.004186	0.50	0.40	2.85	0.42
River 1	Reach 1-Upper	154	25YrCHI3Hr	0.27	91.43	91.72	91.64	91.74	0.004089	0.53	0.50	3.10	0.42
River 1	Reach 1-Upper	154	50YrCHI3Hr	0.32	91.43	91.75	91.65	91.76	0.003991	0.56	0.57	3.27	0.43
River 1	Reach 1-Upper	154	100YrCHI3Hr	0.38	91.43	91.77	91.67	91.79	0.003887	0.58	0.65	3.43	0.43

HEC-RAS Plan: 20250603-Post_Dev_v01 (Continued)

River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
River 1	Reach 1-Upper	154	2YrSCS24Hr	0.14	91.43	91.65	91.59	91.66	0.004250	0.45	0.30	2.53	0.41
River 1	Reach 1-Upper	154	5YrSCS24Hr	0.22	91.43	91.70	91.62	91.71	0.004166	0.51	0.43	2.91	0.42
River 1	Reach 1-Upper	154	10YrSCS24Hr	0.27	91.43	91.73	91.64	91.74	0.004078	0.54	0.51	3.13	0.43
River 1	Reach 1-Upper	154	25YrSCS24Hr	0.35	91.43	91.76	91.66	91.77	0.003941	0.57	0.61	3.34	0.43
River 1	Reach 1-Upper	154	50YrSCS24Hr	0.41	91.43	91.78	91.67	91.80	0.003849	0.59	0.69	3.49	0.43
River 1	Reach 1-Upper	154	100YrSCS24Hr	0.47	91.43	91.80	91.69	91.82	0.003765	0.61	0.77	3.65	0.43
River 1	Reach 1-Upper	137	2YrCHI3Hr	0.09	91.33	91.49	91.46	91.51	0.011873	0.65	0.14	1.44	0.66
River 1	Reach 1-Upper	137	5YrCHI3Hr	0.15	91.33	91.54	91.50	91.56	0.011294	0.74	0.21	1.67	0.67
River 1	Reach 1-Upper	137	10YrCHI3Hr	0.20	91.33	91.56	91.52	91.59	0.010987	0.79	0.25	1.81	0.67
River 1	Reach 1-Upper	137	25YrCHI3Hr	0.27	91.33	91.59	91.55	91.63	0.010557	0.84	0.32	1.98	0.67
River 1	Reach 1-Upper	137	50YrCHI3Hr	0.32	91.33	91.62	91.57	91.66	0.010224	0.87	0.37	2.11	0.67
River 1	Reach 1-Upper	137	100YrCHI3Hr	0.38	91.33	91.64	91.59	91.69	0.009831	0.90	0.42	2.25	0.66
River 1	Reach 1-Upper	137	2YrSCS24Hr	0.14	91.33	91.52	91.49	91.55	0.011421	0.72	0.19	1.61	0.67
River 1	Reach 1-Upper	137	5YrSCS24Hr	0.22	91.33	91.57	91.53	91.60	0.010887	0.80	0.27	1.85	0.67
River 1	Reach 1-Upper	137	10YrSCS24Hr	0.27	91.33	91.60	91.55	91.63	0.010513	0.85	0.32	2.00	0.67
River 1	Reach 1-Upper	137	25YrSCS24Hr	0.35	91.33	91.63	91.58	91.67	0.010071	0.89	0.39	2.17	0.67
River 1	Reach 1-Upper	137	50YrSCS24Hr	0.41	91.33	91.65	91.60	91.70	0.009667	0.91	0.45	2.30	0.66
River 1	Reach 1-Upper	137	100YrSCS24Hr	0.47	91.33	91.68	91.62	91.72	0.009323	0.94	0.51	2.43	0.66
River 1	Reach 1-Upper	116	2YrCHI3Hr	0.09	91.23	91.39	91.32	91.40	0.003087	0.37	0.24	2.11	0.35
River 1	Reach 1-Upper	116	5YrCHI3Hr	0.15	91.23	91.44	91.35	91.45	0.002919	0.43	0.36	2.39	0.35
River 1	Reach 1-Upper	116	10YrCHI3Hr	0.20	91.23	91.47	91.37	91.48	0.002861	0.46	0.44	2.56	0.36
River 1	Reach 1-Upper	116	25YrCHI3Hr	0.27	91.23	91.51	91.39	91.52	0.002819	0.50	0.54	2.76	0.36
River 1	Reach 1-Upper	116	50YrCHI3Hr	0.32	91.23	91.53	91.41	91.55	0.002809	0.52	0.61	2.91	0.36
River 1	Reach 1-Upper	116	100YrCHI3Hr	0.38	91.23	91.56	91.43	91.58	0.002814	0.55	0.69	3.05	0.37
River 1	Reach 1-Upper	116	2YrSCS24Hr	0.14	91.23	91.43	91.34	91.43	0.002948	0.41	0.33	2.32	0.35
River 1	Reach 1-Upper	116	5YrSCS24Hr	0.22	91.23	91.48	91.37	91.49	0.002848	0.47	0.46	2.61	0.36
River 1	Reach 1-Upper	116	10YrSCS24Hr	0.27	91.23	91.51	91.39	91.52	0.002816	0.50	0.55	2.78	0.36
River 1	Reach 1-Upper	116	25YrSCS24Hr	0.35	91.23	91.55	91.41	91.56	0.002808	0.54	0.65	2.98	0.37
River 1	Reach 1-Upper	116	50YrSCS24Hr	0.41	91.23	91.58	91.43	91.59	0.002653	0.55	0.74	3.12	0.36
River 1	Reach 1-Upper	116	100YrSCS24Hr	0.47	91.23	91.61	91.45	91.62	0.002570	0.57	0.83	3.26	0.36
River 1	Reach 1-Upper	95	2YrCHI3Hr	0.09	91.07	91.29	91.24	91.31	0.006025	0.53	0.17	1.41	0.48
River 1	Reach 1-Upper	95	5YrCHI3Hr	0.15	91.07	91.34	91.27	91.36	0.007024	0.64	0.24	1.62	0.54
River 1	Reach 1-Upper	95	10YrCHI3Hr	0.20	91.07	91.36	91.30	91.39	0.007632	0.71	0.28	1.74	0.57
River 1	Reach 1-Upper	95	25YrCHI3Hr	0.27	91.07	91.39	91.33	91.42	0.008133	0.79	0.34	1.88	0.59
River 1	Reach 1-Upper	95	50YrCHI3Hr	0.32	91.07	91.41	91.35	91.45	0.008601	0.84	0.38	1.98	0.62
River 1	Reach 1-Upper	95	100YrCHI3Hr	0.38	91.07	91.43	91.37	91.47	0.010479	0.95	0.40	2.04	0.68
River 1	Reach 1-Upper	95	2YrSCS24Hr	0.14	91.07	91.32	91.26	91.34	0.006791	0.61	0.22	1.56	0.52
River 1	Reach 1-Upper	95	5YrSCS24Hr	0.22	91.07	91.37	91.30	91.40	0.007803	0.73	0.29	1.77	0.57
River 1	Reach 1-Upper	95	10YrSCS24Hr	0.27	91.07	91.40	91.33	91.43	0.008086	0.79	0.35	1.90	0.59
River 1	Reach 1-Upper	95	25YrSCS24Hr	0.35	91.07	91.42	91.36	91.46	0.008817	0.87	0.40	2.03	0.63
River 1	Reach 1-Upper	95	50YrSCS24Hr	0.41	91.07	91.39	91.38	91.47	0.020127	1.23	0.33	1.86	0.93
River 1	Reach 1-Upper	95	100YrSCS24Hr	0.47	91.07	91.40	91.40	91.49	0.023204	1.35	0.35	1.91	1.01
River 1	Reach 1-Upper	72	2YrCHI3Hr	0.09	90.91	91.00	91.00	91.03	0.032221	0.77	0.12	2.00	1.02
River 1	Reach 1-Upper	72	5YrCHI3Hr	0.15	90.91	91.03	91.03	91.07	0.028410	0.85	0.18	2.44	0.99
River 1	Reach 1-Upper	72	10YrCHI3Hr	0.20	90.91	91.05	91.05	91.09	0.026746	0.90	0.22	2.65	0.98
River 1	Reach 1-Upper	72	25YrCHI3Hr	0.27	90.91	91.07	91.07	91.12	0.026304	0.97	0.27	2.83	1.00
River 1	Reach 1-Upper	72	50YrCHI3Hr	0.32	90.91	91.08	91.08	91.13	0.025112	1.01	0.32	2.96	0.99
River 1	Reach 1-Upper	72	100YrCHI3Hr	0.38	90.91	91.11	91.10	91.15	0.019074	0.97	0.39	3.17	0.88
River 1	Reach 1-Upper	72	2YrSCS24Hr	0.14	90.91	91.03	91.03	91.06	0.028884	0.82	0.16	2.32	0.99
River 1	Reach 1-Upper	72	5YrSCS24Hr	0.22	90.91	91.05	91.05	91.10	0.026334	0.91	0.24	2.69	0.98
River 1	Reach 1-Upper	72	10YrSCS24Hr	0.27	90.91	91.07	91.07	91.12	0.026938	0.99	0.28	2.83	1.01
River 1	Reach 1-Upper	72	25YrSCS24Hr	0.35	90.91	91.09	91.09	91.14	0.024807	1.03	0.34	3.02	0.99
River 1	Reach 1-Upper	72	50YrSCS24Hr	0.41	90.91	91.16	91.10	91.18	0.007645	0.72	0.57	3.60	0.58
River 1	Reach 1-Upper	72	100YrSCS24Hr	0.47	90.91	91.23	91.12	91.24	0.003374	0.57	0.83	4.09	0.40
River 1	Reach 1-Lower	56	2YrCHI3Hr	0.15	90.47	90.74	90.58	90.74	0.000351	0.20	0.77	10.31	0.13
River 1	Reach 1-Lower	56	5YrCHI3Hr	0.27	90.47	90.85	90.60	90.85	0.000292	0.23	1.16	14.65	0.13
River 1	Reach 1-Lower	56	10YrCHI3Hr	0.36	90.47	90.92	90.62	90.92	0.000280	0.26	1.40	17.01	0.13
River 1	Reach 1-Lower	56	25YrCHI3Hr	0.49	90.47	91.00	90.64	91.01	0.000270	0.29	1.70	19.75	0.13
River 1	Reach 1-Lower	56	50YrCHI3Hr	0.59	90.47	91.07	90.66	91.07	0.000264	0.31	1.92	20.02	0.13
River 1	Reach 1-Lower	56	100YrCHI3Hr	0.71	90.47	91.13	90.68	91.13	0.000265	0.33	2.14	20.02	0.14
River 1	Reach 1-Lower	56	2YrSCS24Hr	0.24	90.47	90.82	90.60	90.82	0.000304	0.22	1.06	13.59	0.13
River 1	Reach 1-Lower	56	5YrSCS24Hr	0.40	90.47	90.94	90.63	90.95	0.000274	0.27	1.49	18.21	0.13
River 1	Reach 1-Lower	56	10YrSCS24Hr	0.51	90.47	91.02	90.64	91.02	0.000269	0.29	1.74	19.88	0.13
River 1	Reach 1-Lower	56	25YrSCS24Hr	0.66	90.47	91.10	90.67	91.11	0.000265	0.32	2.04	20.02	0.14
River 1	Reach 1-Lower	56	50YrSCS24Hr	0.78	90.47	91.17	90.69	91.17	0.000261	0.34	2.27	20.02	0.14
River 1	Reach 1-Lower	56	100YrSCS24Hr	0.91	90.47	91.23	90.71	91.24	0.000263	0.37	2.49	20.02	0.14
River 1	Reach 1-Lower	50		Culvert									
River 1	Reach 1-Lower	38	2YrCHI3Hr	0.15	90.46	90.57	90.53	90.58	0.005136	0.44	0.35	30.55	0.44
River 1	Reach 1-Lower	38	5YrCHI3Hr	0.27	90.46	90.60	90.55	90.62	0.007100	0.61	0.44	34.54	0.54
River 1	Reach 1-Lower	38	10YrCHI3Hr	0.36	90.46	90.61	90.57	90.64	0.008644	0.73	0.50	35.72	0.61
River 1	Reach 1-Lower	38	25YrCHI3Hr	0.49	90.46	90.63	90.60	90.67	0.010630	0.87	0.56	36.53	0.69
River 1	Reach 1-Lower	38	50YrCHI3Hr	0.59	90.46	90.64	90.61	90.69	0.012282	0.98	0.60	36.92	0.75
River 1	Reach 1-Lower	38	100YrCHI3Hr	0.71	90.46	90.66	90.63	90.72	0.013950	1.10	0.65	37.68	0.81
River 1	Reach 1-Lower	38	2YrSCS24Hr	0.24	90.46	90.59	90.55	90.61	0.006473	0.56	0.42	33.74	0.52
River 1	Reach 1-Lower	38	5YrSCS24Hr	0.40	90.46	90.62	90.58	90.65	0.009216	0.77	0.52	36.25	0.64
River 1	Reach 1-Lower	38	10YrSCS24Hr	0.51	90.46	90.63	90.60	90.68	0.010974	0.89	0.57	36.59	0.71
River 1	Reach 1-Lower	38	25YrSCS24Hr	0.66	90.46	90.65	90.63	90.71	0.013194	1.05	0.63	37.35	0.79
River 1	Reach 1-Lower	38	50YrSCS24Hr	0.78	90.46	90.66	90.64	90.73	0.015131	1.17	0.67	38.00	0.85
River 1	Reach 1-Lower	38	100YrSCS24Hr	0.91	90.46	90.67	90.66	90.76	0.017508	1.30	0.70	38.44	0.92
River 1	Reach 1-Lower	0	2YrCHI3Hr	0.15	90.42	90.50	90.46	90.50	0.001001	0.14	1.11	19.02	0.18
River 1	Reach 1-Lower	0	5YrCHI3Hr	0.27	90.42	90.53	90.47	90.53	0.001000	0.17	1.61	20.06	0.19
River 1	Reach 1-Lower	0	10YrCHI3Hr	0.36	90.42	90.54	90.48	90.55	0.001000	0.19	1.93	20.29	0.19

HEC-RAS Plan: 20250603-Post_Dev_v01 (Continued)

River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
River 1	Reach 1-Lower	0	25YrCHI3Hr	0.49	90.42	90.56	90.49	90.56	0.001001	0.21	2.32	20.57	0.20
River 1	Reach 1-Lower	0	50YrCHI3Hr	0.59	90.42	90.58	90.49	90.58	0.001000	0.23	2.62	20.78	0.20
River 1	Reach 1-Lower	0	100YrCHI3Hr	0.71	90.42	90.59	90.50	90.60	0.001000	0.24	2.95	21.44	0.21
River 1	Reach 1-Lower	0	2YrSCS24Hr	0.24	90.42	90.52	90.46	90.52	0.001000	0.16	1.49	19.97	0.19
River 1	Reach 1-Lower	0	5YrSCS24Hr	0.40	90.42	90.55	90.48	90.55	0.001000	0.20	2.04	20.38	0.20
River 1	Reach 1-Lower	0	10YrSCS24Hr	0.51	90.42	90.57	90.49	90.57	0.001001	0.21	2.38	20.62	0.20
River 1	Reach 1-Lower	0	25YrSCS24Hr	0.66	90.42	90.59	90.49	90.59	0.001001	0.24	2.81	21.20	0.21
River 1	Reach 1-Lower	0	50YrSCS24Hr	0.78	90.42	90.60	90.50	90.60	0.001001	0.25	3.13	21.55	0.21
River 1	Reach 1-Lower	0	100YrSCS24Hr	0.91	90.42	90.62	90.51	90.62	0.001000	0.26	3.45	21.74	0.21