

April 01, 2026

Project Number: P2710(e01)

Stratford Foxrun
6286 Prince of Wales Drive
North Gower, ON
K0A 2T0

Attention: Joshua Laginski, P.Eng

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

RATIONALE FOR UPDATE

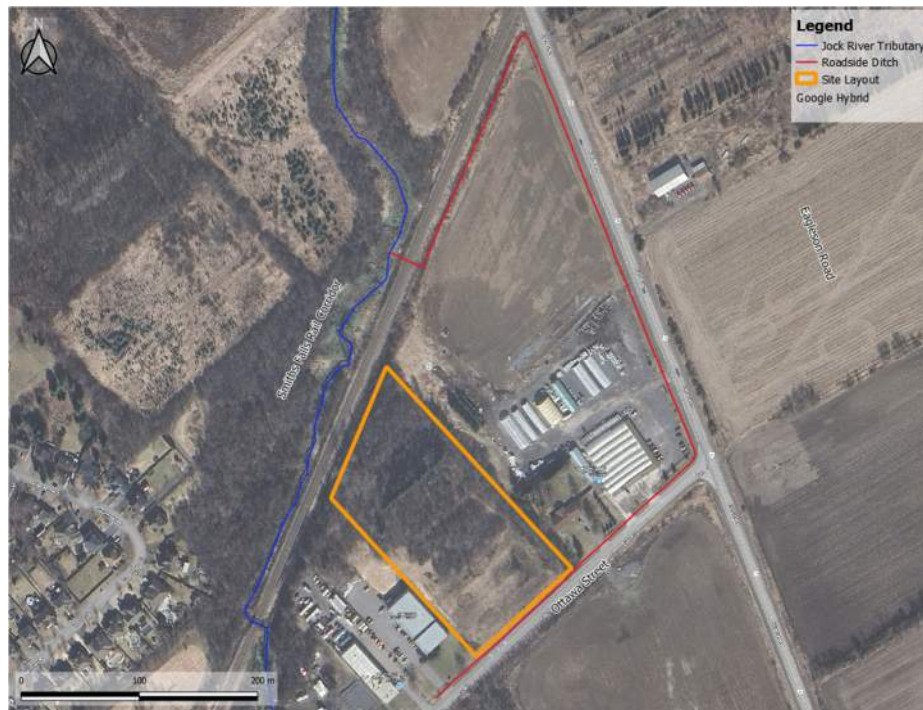
The following memo has been revised to address comments received from the City of Ottawa on February 24, 2026, titled “*Site Plan Control Application D07-12-25-0078 - Part of Lot 25, Concession 3*”. Updates in this memo include refinements to the roof top storage volume calculations on the buildings, refined subcatchment connectivity in the hydrologic model, as well as the incorporation of additional calculations and supporting text to address RVCA comments. These updates ensure consistency with the latest design information and compliance with applicable City of Ottawa guidelines.

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 turning 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

Drainage Areas

Existing drainage areas for this 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 in January 2025. 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 (tp)

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.

Other methods, such as the Uplands method, were also included in that analysis. The FAA method was selected for use in the final model because it produced longer time-to-peak (Tp) values for the same catchments, resulting in lower peak flows under pre-development conditions. These lower peak flows were then used to establish allowable release rates for the proposed stormwater management facilities.

This approach results in a more conservative design, as the SWM controls are sized to ensure post-development flows do not exceed these lower pre-development thresholds. While the Uplands method is preferred in the Sewer Design Guidelines (Appendix 5-D), the FAA method remains suitable for flat, rural catchments with longer overland flow paths, which characterizes the study area. Therefore, the FAA-based design applied in this analysis is more conservative and protective of downstream infrastructure.

Full details of these calculations have been provided in **Table A2 in Attachment A**, along with other time-to-peak values using alternative tp 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.

Design & Historical Storms

The stormwater management analysis incorporates both standard design storms and historical storm events in accordance with the City of Ottawa's guidelines. The selected design storms include the 3-hour Chicago distribution and the 24-hour SCS distribution, which are consistent with standard practice for stormwater management design in the region.

The 3-hour Chicago storm is widely used for urban infrastructure analysis because it provides a balanced representation of peak intensity and total rainfall volume. This duration is sufficient to generate meaningful runoff volumes for sizing stormwater management controls while capturing peak intensities that challenge conveyance systems. Although shorter-duration storms (e.g., 1-hour 100-year) exhibit higher peak intensities, their lower total rainfall volume often results in less conservative storage sizing. Conversely, the 24-hour SCS storm is included to assess broader floodplain impacts and downstream conveyance performance.

In addition to these design storms, the following historical events were simulated as per City requirements: July 1, 1979, August 4, 1988, and August 8, 1996. These events provide additional validation of system performance under real-world conditions and help ensure resiliency of the proposed stormwater management system.

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. For existing natural areas where the total drainage boundary was modified due to the proposed development footprint (e.g., catchments Pre2 and Pre9), the hydrologic parameters—specifically the Curve Number (CN) and Time to Peak (Tp)—were recalculated to accurately reflect the reduced drainage area, updated land cover proportions, and revised flow path characteristics.

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 **75 mm** orifice at the bottom of the localized depression area and a **30cm** overflow weir at an elevation of **94.40m** and for extreme events.

Roof Top Storage

To optimize on-site attenuation, the design assumes the use of rooftop storage for both sites. Storage volumes and release rates determined by Egis were integrated into the model as stage-storage-discharge (route reservoir) curves, with full details provided in **Tables B3 and B4**.

Results

Onsite Controls Summary

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 and maximum water levels.

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

Event	Site 1 (0.480 ha)					Site 2 (0.447 ha)				
	Peak Inflow (m ³ /s)	Peak Outflow (m ³ /s)	Pond Volume (m ³)	Pond WSE (m)	Ponding Depth (m)	Peak Inflow (m ³ /s)	Peak Outflow (m ³ /s)	Pond Volume (m ³)	Pond WSE (m)	Ponding Depth (m)
2YrCHI3Hr	0.035	0.006	39	94.13	0.288	0.029	0.006	34	94.03	0.323
5YrCHI3Hr	0.056	0.007	71	94.20	0.363	0.048	0.008	61	94.15	0.443
10YrCHI3Hr	0.075	0.007	93	94.25	0.407	0.064	0.008	81	94.21	0.503
25YrCHI3Hr	0.098	0.008	123	94.30	0.463	0.084	0.009	108	94.28	0.567
50YrCHI3Hr	0.113	0.008	146	94.34	0.504	0.097	0.009	129	94.32	0.613
100YrCHI3Hr	0.134	0.009	172	94.39	0.547	0.116	0.009	152	94.37	0.660
2YrSCS24Hr	0.038	0.006	48	94.15	0.310	0.033	0.007	42	94.08	0.366
5YrSCS24Hr	0.059	0.007	78	94.22	0.377	0.051	0.008	68	94.18	0.467
10YrSCS24Hr	0.074	0.007	99	94.26	0.418	0.065	0.008	87	94.23	0.517
25YrSCS24Hr	0.092	0.008	126	94.31	0.468	0.081	0.009	111	94.28	0.574
50YrSCS24Hr	0.105	0.008	147	94.35	0.505	0.092	0.009	130	94.33	0.616
100YrSCS24Hr	0.120	0.008	169	94.38	0.542	0.106	0.009	150	94.37	0.656
July 1st, 1979	0.099	0.017	220	94.46	0.625	0.091	0.017	197	94.46	0.749
August 4th, 1988	0.133	0.010	188	94.41	0.573	0.128	0.010	167	94.40	0.689
August 8th, 1996	0.075	0.008	159	94.37	0.526	0.066	0.009	136	94.34	0.628
100YrCHI+20%	0.202	0.016	216	94.46	0.618	0.191	0.016	194	94.45	0.743

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, along with the stress test and historical events.

The existing roadside ditches are well-vegetated and currently exhibit no significant signs of erosion. For the more frequent events that exhibit slight increases in peak flows, hydraulic modeling indicates that the average post-development channel velocity for the 5-year Chicago event is approximately 0.35 m/s. According to the MTO Drainage Management Manual, grassed channels in easily erodible soils (such as silty clays) have a maximum permissible average velocity of 0.8 m/s, placing the modeled average velocities well below this conservative threshold. Furthermore, the absolute maximum velocities within the ditch remain below 1.5 m/s under all analyzed conditions. This complies with the maximum permissible velocity for grassed roadside ditches without requiring bioengineering stabilization measures, as outlined in Section 2.3 of SD-9 Roadside Ditches from the MTO Highway Drainage Design Standards. Therefore, it can be concluded that the modest increase in flow rates during smaller storm events will not result in adverse erosion within the grassed channel.

Regarding the internal stormwater management (SWM) controls, both sites will utilize a 75 mm orifice at the outlet to maximize the storage capacity of these depression areas; this is the smallest allowable outlet size per MECP SWM guidelines. During the 100-Year + 20% Climate Change stress test event, the maximum simulated peak outflows from Pond 1 and Pond 2 are heavily restricted by these orifices to 16 L/s, respectively.

To connect the internal cells of the SWM facility, a 375 mm HDPE pipe laid at an approximate 1% slope is proposed at both locations. Calculations utilizing Manning's equation demonstrate that a pipe of this size and slope provides a free-flowing (non-surcharged) capacity of approximately 175 L/s. Detailed hydrologic modeling indicates that the absolute maximum peak inflows directed into the entirety of Pond 1 and Pond 2 during the stress test event are 202 L/s and 191 L/s, respectively. Because these internal culverts are only intended to convey runoff from less than half of the total drainage area contributing to the SWM ponds, the actual flow traversing these pipes will be significantly lower than the total pond inflows quoted above. Ultimately, the downstream 75 mm orifice structure dictates the hydraulic grade line and controls the water levels throughout the entire SWM facility. Therefore, the proposed 375 mm connecting pipes are sufficiently sized and will not restrict conveyance or adversely impact pond water levels.

Table 2: Pre and Post Development Peak Flow Summary

Event	Node	J1		Node	J2		Node	J3		Node	J4	
	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	0.019	0.004	0.057	0.062	0.005	0.061	0.065	0.004	0.067	0.072	0.005
5YrCHI3Hr	0.026	0.027	0.001	0.102	0.102	0.000	0.109	0.109	0.000	0.121	0.122	0.001
10YrCHI3Hr	0.035	0.032	-0.003	0.136	0.132	-0.004	0.145	0.142	-0.003	0.162	0.159	-0.003
25YrCHI3Hr	0.047	0.038	-0.009	0.181	0.173	-0.008	0.194	0.185	-0.009	0.218	0.209	-0.009
50YrCHI3Hr	0.057	0.043	-0.014	0.219	0.205	-0.014	0.234	0.220	-0.014	0.263	0.249	-0.014
100YrCHI3Hr	0.067	0.048	-0.019	0.258	0.239	-0.019	0.277	0.258	-0.019	0.311	0.292	-0.019
2YrSCS24Hr	0.024	0.024	0.000	0.090	0.091	0.001	0.096	0.097	0.001	0.107	0.108	0.001
5YrSCS24Hr	0.038	0.032	-0.006	0.148	0.142	-0.006	0.158	0.152	-0.006	0.177	0.171	-0.006
10YrSCS24Hr	0.049	0.038	-0.011	0.189	0.178	-0.011	0.202	0.191	-0.011	0.227	0.216	-0.011
25YrSCS24Hr	0.062	0.044	-0.018	0.242	0.224	-0.018	0.259	0.242	-0.017	0.291	0.274	-0.017
50YrSCS24Hr	0.073	0.049	-0.024	0.284	0.260	-0.024	0.305	0.281	-0.024	0.343	0.320	-0.023
100YrSCS24Hr	0.084	0.055	-0.029	0.329	0.300	-0.029	0.354	0.325	-0.029	0.399	0.370	-0.029
July 1st, 1979	0.090	0.065	-0.025	0.372	0.350	-0.022	0.399	0.376	-0.023	0.448	0.425	-0.023
August 4th, 1988	0.079	0.053	-0.026	0.314	0.288	-0.026	0.338	0.313	-0.025	0.379	0.355	-0.024
August 8th, 1996	0.052	0.040	-0.012	0.210	0.199	-0.011	0.226	0.215	-0.011	0.254	0.243	-0.011
100YrCHI+20%	0.090	0.065	-0.025	0.346	0.326	-0.020	0.372	0.350	-0.022	0.419	0.397	-0.022

Table 2: Pre and Post Development Peak Flow Summary

Event	Node	J5		Node	J6		Node	J7		Node	J8	
	Pre	Post	Diff	Pre	Post	Diff	Pre	Post	Diff	Pre	Post	Diff
Area (ha)	6.86	7.24	0.38	1.09	1.1	0.01	1.92	1.53	-0.39	13.18	13.18	0
2YrCHI3Hr	0.080	0.086	0.006	0.016	0.022	0.006	0.020	0.020	0.000	0.141	0.146	0.005
5YrCHI3Hr	0.147	0.149	0.002	0.028	0.028	0.000	0.037	0.037	0.000	0.266	0.266	0.000
10YrCHI3Hr	0.197	0.196	-0.001	0.038	0.038	0.000	0.050	0.050	0.000	0.363	0.359	-0.004
25YrCHI3Hr	0.267	0.260	-0.007	0.052	0.052	0.000	0.069	0.069	0.000	0.496	0.486	-0.010
50YrCHI3Hr	0.323	0.312	-0.011	0.063	0.063	0.000	0.084	0.084	0.000	0.605	0.589	-0.016
100YrCHI3Hr	0.384	0.368	-0.016	0.076	0.076	0.000	0.101	0.100	-0.001	0.725	0.704	-0.021
2YrSCS24Hr	0.128	0.130	0.002	0.025	0.025	0.000	0.034	0.033	-0.001	0.234	0.235	0.001
5YrSCS24Hr	0.215	0.211	-0.004	0.043	0.043	0.000	0.057	0.057	0.000	0.402	0.395	-0.007
10YrSCS24Hr	0.277	0.268	-0.009	0.056	0.056	0.000	0.075	0.074	-0.001	0.520	0.508	-0.012
25YrSCS24Hr	0.357	0.342	-0.015	0.073	0.073	0.000	0.097	0.096	-0.001	0.679	0.659	-0.020
50YrSCS24Hr	0.421	0.401	-0.020	0.087	0.087	0.000	0.116	0.114	-0.002	0.805	0.781	-0.024
100YrSCS24Hr	0.491	0.465	-0.026	0.102	0.102	0.000	0.137	0.135	-0.002	0.944	0.912	-0.032
July 1st, 1979	0.557	0.534	-0.023	0.103	0.103	0.000	0.145	0.139	-0.006	1.063	1.026	-0.037
August 4th, 1988	0.462	0.441	-0.021	0.093	0.092	-0.001	0.127	0.123	-0.004	0.888	0.863	-0.025
August 8th, 1996	0.308	0.300	-0.008	0.063	0.063	0.000	0.087	0.084	-0.003	0.590	0.579	-0.011
100YrCHI+20%	0.519	0.499	-0.020	0.104	0.104	0.000	0.139	0.138	-0.001	0.989	0.960	-0.029

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 used to establish cross-sections involved detailed topographic surveying, typically conducted at approximately 50-meter intervals along the watercourse. These measurements were supplemented with LiDAR data in the floodplain to enhance spatial coverage and resolution. This close spacing is essential for accurately representing the hydraulic characteristics and flow conveyance capacity of the existing channel. The selected interval aligns with HEC-RAS best practices for open-channel flow modelling in rural systems, particularly where channel geometry and slope are relatively uniform. In general, cross-section spacing between 30 and 100 meters is considered appropriate for natural channels, unless abrupt changes in geometry, slope, or hydraulic controls are present.

To ensure the model captured localized hydraulic effects, additional cross-sections were inserted at key hydraulic structures (e.g., culverts and driveway crossings) and at locations where notable changes in channel geometry or slope occurred. This approach allowed for an accurate representation of hydraulic behaviour without introducing unnecessary complexity or instability into the model. In areas not explicitly surveyed, supplementary cross-sections were generated by sampling the merged LiDAR and topographic Digital Terrain Model (DTM). This ensured that all critical sections were included to accurately reflect channel hydraulics. The extent and location of all model cross-sections are illustrated in **Figure C1** of **Attachment C**.

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 substantial difference in drainage area between Marlborough Creek and the roadside ditch. The study area at the confluence with Marlborough Creek has a drainage area of **13.1 ha**, with a channel length of **1.034 km** and an average slope of **0.6%**, based on detailed modelling presented in this report. In contrast, Marlborough Creek at the same location has a drainage area of **437.4 ha**, a channel length of **5.120 km**, and an average slope of **0.26%**, as per the Ontario Watershed Information Tool. Using the velocity method outlined in Chapter 15 of the USDA's Hydrology National Engineering Handbook, the time to peak for the study area was calculated to be **1.2 hours**, while the time to peak for Marlborough Creek was estimated at **8.8 hours**. A full summary of these calculations is provided in **Table 3** below. Given the significant difference in time to peak between the two systems, it is evident that peak flows from the study area and Marlborough Creek cannot coincide. Therefore, the application of a normal downstream boundary condition is considered appropriate.

Table 3: Watercourse Time to Peak Calculations

Parameter	Units	Study Area	Malbrough Creek
Area	(ha)	13.1	437.4
Channel Length	(m)	1034	5120
Slope	(%)	0.60%	0.26%
Flow Type	-	Short grass	Short grass
Average Velocity	(m/s)	0.165	0.108
Time of Concentration	(secs)	6,275	47,262
Time of Concentration	(hrs)	1.7	13.1
Time to Peak	(hrs)	1.2	8.8

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 **75 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 is sufficient and will not adversely impact downstream lands.

Yours truly,
JFSA Canada Inc.



Jonathon Burnett, B.Eng, P.Eng
Water Resource Engineer



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

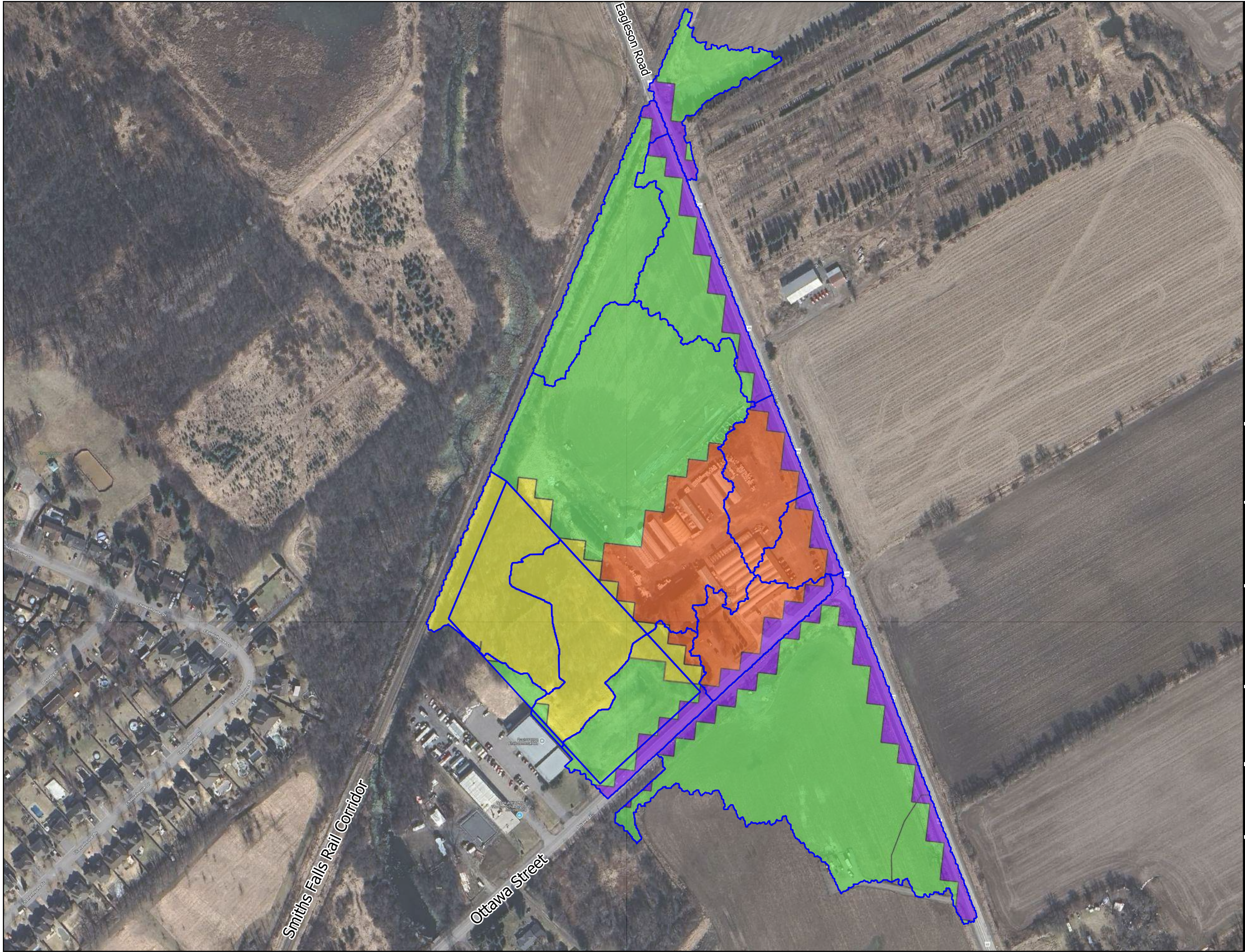
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5923 Ottawa St – Richmond

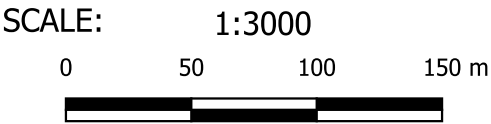
Figure A1: Existing Drainage Areas

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



Legend

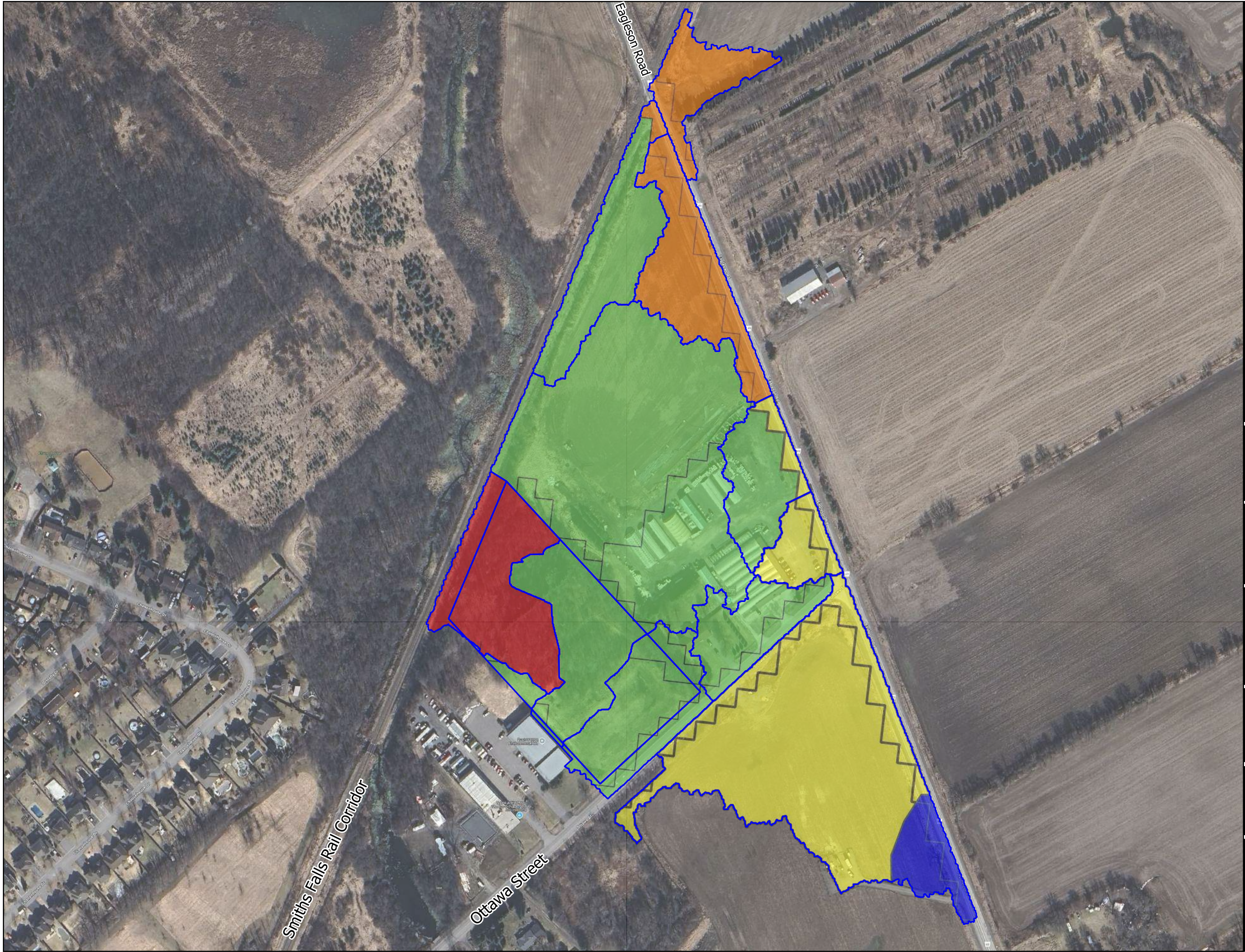
-  Pre-dev. Subcatchments
-  CN
-  Built Up Area - Pervious
-  Transportation
-  Forest
-  Tilled
- Google Hybrid



5923 Ottawa St – Richmond

Figure A2: Land Use Data

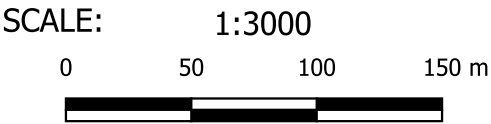
PROJECT	P2710(e01)
DRAWN	MM
DATE	04-06-2025



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

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

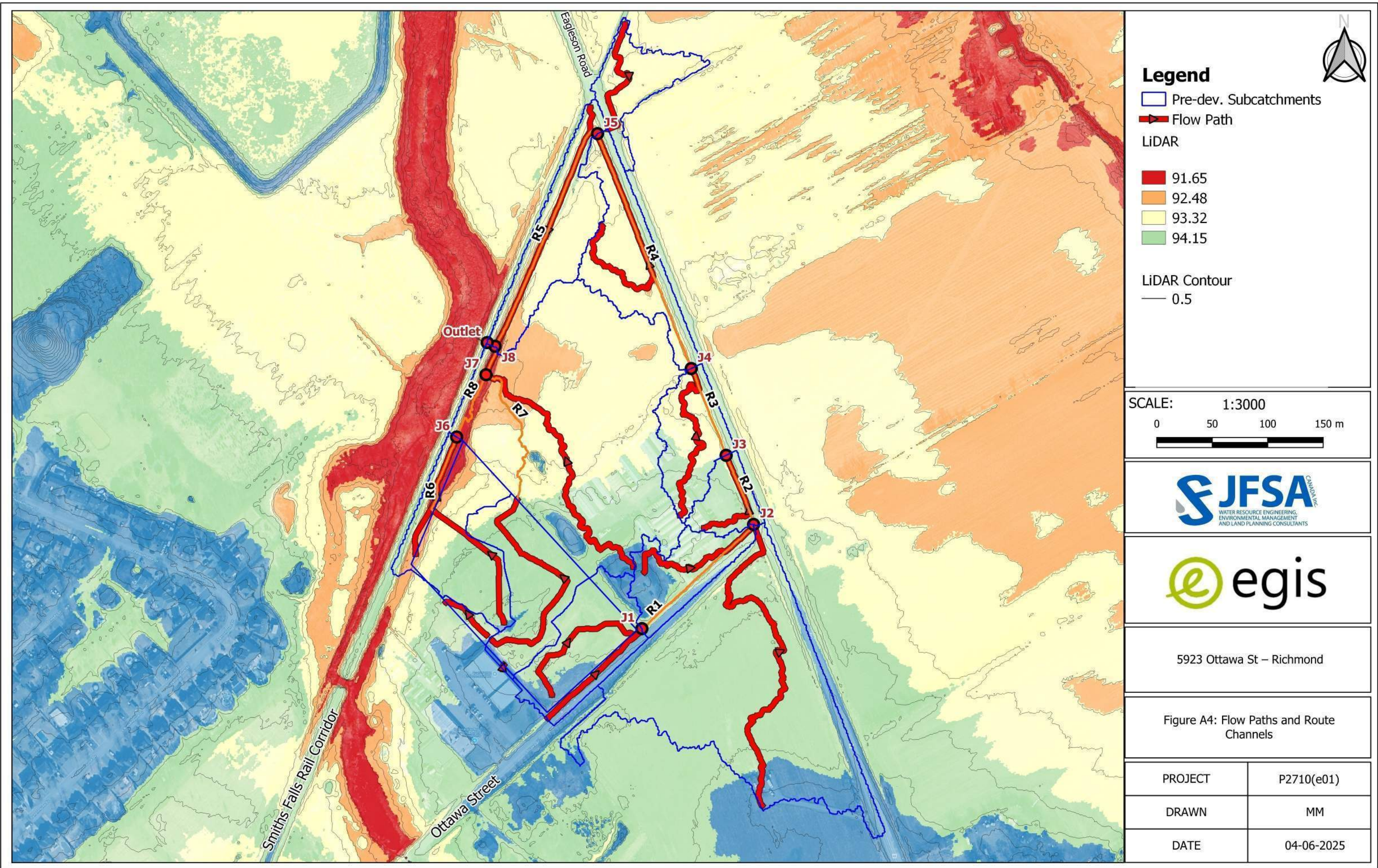


Table A1: Calculation of SCS Curve Number (CN) and Modified Curve Number (CN*)

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*)

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

```

20      Metric units / ID numbers OFF
*#*****
***
*#  SWMHYMO  / INPUT DATA FILE
*#*****
***
*#  Project Name   : [5923 Ottawa St]
*#  Project Number: [P2710(e01)]
*#  Date          : [2025 FEB 05]
*#  Modeller      : [MM]
*#  Company       : JFSA Canada Inc.
*#  License #     : 2549237
*#*****
***
*# Model developed to simulate runoff from subcatchments under pre development conditions
*#*****
***
*% 25 mm Storm based on 2-Year, 3-Hour Chicago Storm
START      TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[002]
           ["002YC3H.stm"] <--storm filename, one per line for NSTORM time
*%-----|
READ STORM  STORM_FILENAME=["STORM.001"]
*%-----|
*#*****
***
*# EXT1
*#*****
***
CALIB NASHYD      NHYD=["EXT1"], DT[1] (min), AREA=[3.211] (ha),
                  DWF=[0] (cms), CN=[80],
                  IA=[4.67] (mm), N=[3], TP[0.72] (hrs),
                  RAINFALL[ , , -1]
*#*****
***
*# EXT2
*#*****
***
CALIB NASHYD      NHYD=["EXT2"], DT[1] (min), AREA=[0.285] (ha),
                  DWF=[0] (cms), CN=[85],
                  IA=[4.67] (mm), N=[3], TP[0.33] (hrs),
                  RAINFALL[ , , -1]
*#*****
***
*# EXT3
*#*****
***
CALIB NASHYD      NHYD=["EXT3"], DT[1] (min), AREA=[0.560] (ha),
                  DWF=[0] (cms), CN=[80],
                  IA=[4.67] (mm), N=[3], TP[0.32] (hrs),
                  RAINFALL[ , , -1]
*#*****
***
*# EXT4
*#*****
***
CALIB NASHYD      NHYD=["EXT4"], DT[1] (min), AREA=[0.309] (ha),
                  DWF=[0] (cms), CN=[79],
                  IA=[4.67] (mm), N=[3], TP[0.29] (hrs),
                  RAINFALL[ , , -1]
*#*****
***
*# EXT5
*#*****
***
CALIB NASHYD      NHYD=["EXT5"], DT[1] (min), AREA=[0.594] (ha),
                  DWF=[0] (cms), CN=[76],
                  IA=[4.67] (mm), N=[3], TP[0.45] (hrs),
                  RAINFALL[ , , -1]
*#*****

```

```
***
*# EXT6
*#*****
***
CALIB NASHYD      NHYD=["EXT6"], DT[1] (min), AREA=[0.864] (ha),
                  DWF=[0] (cms), CN=[85],
                  IA=[4.67] (mm), N=[3], TP[0.56] (hrs),
                  RAINFALL[ , , -1]
*#*****
***
*# EXT7
*#*****
***
CALIB NASHYD      NHYD=["EXT7"], DT[1] (min), AREA=[0.471] (ha),
                  DWF=[0] (cms), CN=[83],
                  IA=[4.67] (mm), N=[3], TP[0.32] (hrs),
                  RAINFALL[ , , -1]
*#*****
***
*# EXT8
*#*****
***
CALIB NASHYD      NHYD=["EXT8"], DT[1] (min), AREA=[0.834] (ha),
                  DWF=[0] (cms), CN=[79],
                  IA=[4.67] (mm), N=[3], TP[0.42] (hrs),
                  RAINFALL[ , , -1]
*#*****
***
*# EXT9
*#*****
***
CALIB NASHYD      NHYD=["EXT9"], DT[1] (min), AREA=[3.571] (ha),
                  DWF=[0] (cms), CN=[76],
                  IA=[4.67] (mm), N=[3], TP[0.48] (hrs),
                  RAINFALL[ , , -1]
*#*****
***
*# EXT9a
*#*****
***
CALIB NASHYD      NHYD=["EXT9a"], DT[1] (min), AREA=[0.011] (ha),
                  DWF=[0] (cms), CN=[78],
                  IA=[4.67] (mm), N=[3], TP[0.04] (hrs),
                  RAINFALL[ , , -1]
*#*****
***
*# EXT10
*#*****
***
CALIB NASHYD      NHYD=["EXT10"], DT[1] (min), AREA=[0.203] (ha),
                  DWF=[0] (cms), CN=[71],
                  IA=[4.67] (mm), N=[3], TP[0.42] (hrs),
                  RAINFALL[ , , -1]
*#*****
***
*# Pre2
*#*****
***
CALIB NASHYD      NHYD=["Pre2"], DT[1] (min), AREA=[0.566] (ha),
                  DWF=[0] (cms), CN=[78],
                  IA=[4.67] (mm), N=[3], TP[0.46] (hrs),
                  RAINFALL[ , , -1]
*#*****
***
*# Pre9
*#*****
***
CALIB NASHYD      NHYD=["Pre9"], DT[1] (min), AREA=[0.829] (ha),
                  DWF=[0] (cms), CN=[71],
```

[illegible]

```

[17.97, 93.65]
[19, 93.83]
[19.51, 93.89]
[21.06, 93.94]
[22.6, 93.95]

*%-----|-----
ADD HYD      NHYDsum=["J3"], NHYDs to add=["R2"+"EXT4"]
*%-----|-----
* NOTE: Cross-section number 675.4097 is taken from HEC-RAS Model
ROUTE CHANNEL NHYDout=["R3"], NHYDin=["J3"], RDT=[1] (min),
CHLGTH=[92.08] (m), CHSLOPE=[0.274] (%), FPSLOPE=[0.274] (%),
SECNUM=[675.4097], NSEG=[3],
( SEGROUGH, SEGDIST (m))=[0.08,31.64 -0.035,42.44 0.08,48.87] NSEG times
( DISTANCE (m), ELEVATION (m))=[30.59, 93.12]
[31.64, 93.13]
[34.35, 93.08]
[35.18, 93.03]
[37.78, 92.72]
[38.25, 92.64]
[38.7, 92.61]
[39.74, 92.76]
[42.44, 93.41]
[42.89, 93.49]
[43.97, 93.57]
[44.92, 93.6]
[46.07, 93.67]
[48.87, 93.74]

*%-----|-----
ADD HYD      NHYDsum=["J4"], NHYDs to add=["R3"+"EXT5"]
*%-----|-----
* NOTE: Cross-section number 518.7506 is taken from HEC-RAS Model
ROUTE CHANNEL NHYDout=["R4"], NHYDin=["J4"], RDT=[1] (min),
CHLGTH=[251.495] (m), CHSLOPE=[0.19] (%), FPSLOPE=[0.19] (%),
SECNUM=[518.7506], NSEG=[3],
( SEGROUGH, SEGDIST (m))=[0.08,51.48 -0.035,59.39 0.08,66.4] NSEG times
( DISTANCE (m), ELEVATION (m))=[0, 92.92]
[4.26, 92.9]
[48.31, 92.76]
[51.48, 92.76]
[53.64, 92.7]
[55.33, 92.29]
[55.44, 92.29]
[56.43, 92.37]
[56.97, 92.43]
[59.39, 93.27]
[59.74, 93.37]
[60.8, 93.52]
[63.31, 93.71]
[66.4, 93.76]

*%-----|-----
ADD HYD      NHYDsum=["J5"], NHYDs to add=["R4"+"EXT6"+"EXT7"]
*%-----|-----
* NOTE: Cross-section number 275.0857 is taken from HEC-RAS Model
ROUTE CHANNEL NHYDout=["R5"], NHYDin=["J5"], RDT=[1] (min),
CHLGTH=[237.343] (m), CHSLOPE=[0.644] (%), FPSLOPE=[0.644] (%),
SECNUM=[275.0857], NSEG=[3],
( SEGROUGH, SEGDIST (m))=[0.08,40.82 -0.035,53.64 0.08,57.93] NSEG times
( DISTANCE (m), ELEVATION (m))=[36.16, 92.63]
[40.82, 92.97]
[41.39, 92.9]
[44.69, 91.72]
[45.24, 91.58]
[46.33, 91.43]
[47.41, 91.64]
[47.87, 91.75]
[49.59, 92.2]
[50.99, 92.36]
[51.44, 92.48]
[53.18, 92.98]

```

[53.64, 93.15]
[55.92, 93.66]
[57.93, 93.68]

*%-----|-----

* NOTE: Cross-section number 124 is taken from HEC-RAS Model

ROUTE CHANNEL NHYDout=["R6"], NHYDin=["Pre10"], RDT=[1] (min),
CHLGTH=[77.414] (m), CHSLOPE=[0.776] (%), FPSLOPE=[0.776] (%),
SECNUM=[124], NSEG=[3],
(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]

*%-----|-----

* NOTE: Cross-section number 74 is taken from HEC-RAS Model

ROUTE CHANNEL NHYDout=["R7"], NHYDin=["Pre9"], RDT=[1] (min),
CHLGTH=[159.151] (m), CHSLOPE=[1.576] (%), FPSLOPE=[1.576] (%),
SECNUM=[74], NSEG=[3],
(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]

*%-----|-----

ADD HYD NHYDsum=["J6"], NHYDs to add=["R6"+"EXT10"+"Pre11"+"EXT9a"]

*%-----|-----

* NOTE: Cross-section number 49 is taken from HEC-RAS Model

ROUTE CHANNEL NHYDout=["R8"], NHYDin=["J6"], RDT=[1] (min),
CHLGTH=[78.801] (m), CHSLOPE=[0.522] (%), FPSLOPE=[0.522] (%),
SECNUM=[49], NSEG=[3],
(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]

*%-----|-----
ADD HYD      NHYDsum=["J7"], NHYDs to add=["R8"+"R7"]
*%-----|-----
* NOTE: Cross-section number 7 is taken from HEC-RAS Model
ROUTE CHANNEL NHYDout=["R9"], NHYDin=["J7"], RDT=[1] (min),
CHLGTH=[29.445] (m), CHSLOPE=[0.887] (%), FPSLOPE=[0.887] (%),
SECNUM=[7], NSEG=[3],
( 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]

*%-----|-----
ADD HYD      NHYDsum=["J8"], NHYDs to add=["EXT9"+"R9"+"EXT8"+"R5"]
*%-----|-----
* Note: The pipe needs to be adjusted based on the Culvert-under-railway information
ROUTE PIPE   PTYPE=[1]circ, NHYDout=["Outlet"], RNUMBER=[1.0],
PDIAM=[525] (mm), PLNGTH=[8.407] (m), PROUGH=[0.013], PSLOPE=[0.0001] (m/m),
NHYDin=["J8"], RDT=[1] (min)

*%-----|-----
*#####
*# STORMS
*#####
*% 2-Year, 3-Hour Chicago Storm
*START      TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[002]
*           ["002YC3H.stm"] <--storm filename, one per line for NSTORM time
*%-----|-----
*% 5-Year, 3-Hour Chicago Storm
*START      TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[005]
*           ["005YC3H.stm"] <--storm filename, one per line for NSTORM time
*%-----|-----
*% 10-Year, 3-Hour Chicago Storm
*START      TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[010]
*           ["010YC3H.stm"] <--storm filename, one per line for NSTORM time
*%-----|-----
*% 25-Year, 3-Hour Chicago Storm
*START      TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[025]
*           ["025YC3H.stm"] <--storm filename, one per line for NSTORM time
*%-----|-----
*% 50-Year, 3-Hour Chicago Storm
*START      TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[050]
*           ["050YC3H.stm"] <--storm filename, one per line for NSTORM time
*%-----|-----
*% 100-Year, 3-Hour Chicago Storm
*START      TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[099]
*           ["100YC3H.stm"] <--storm filename, one per line for NSTORM time
*%-----|-----

```

```

*% 2-Year, 24-Hour SCS Storm
START      TZERO=[0.0],  METOUT=[2],  NSTORM=[1],  NRUN=[102]
           ["SC24002x.stm"] <--storm filename, one per line for NSTORM time
*%-----|-----
*% 5-Year, 24-Hour SCS Storm
START      TZERO=[0.0],  METOUT=[2],  NSTORM=[1],  NRUN=[105]
           ["SC24005x.stm"] <--storm filename, one per line for NSTORM time
*%-----|-----
*% 10-Year, 24-Hour SCS Storm
START      TZERO=[0.0],  METOUT=[2],  NSTORM=[1],  NRUN=[110]
           ["SC24010x.stm"] <--storm filename, one per line for NSTORM time
*%-----|-----
*% 25-Year, 24-Hour SCS Storm
START      TZERO=[0.0],  METOUT=[2],  NSTORM=[1],  NRUN=[125]
           ["SC24025x.stm"] <--storm filename, one per line for NSTORM time
*%-----|-----
*% 50-Year, 24-Hour SCS Storm
START      TZERO=[0.0],  METOUT=[2],  NSTORM=[1],  NRUN=[150]
           ["SC24050x.stm"] <--storm filename, one per line for NSTORM time
*%-----|-----
*% 100-Year, 24-Hour SCS Storm
START      TZERO=[0.0],  METOUT=[2],  NSTORM=[1],  NRUN=[199]
           ["SC24100x.stm"] <--storm filename, one per line for NSTORM time
*%-----|-----
*% July 1st, 1979 Storm - Ottawa International Airport
START      TZERO=[0.0],  METOUT=[2],  NSTORM=[1],  NRUN=[1979]
           ["19790701.stm"] <--storm filename, one per line for NSTORM time
*%-----|-----
*% August 4th, 1988 Storm - Ottawa International Airport
START      TZERO=[0.0],  METOUT=[2],  NSTORM=[1],  NRUN=[1988]
           ["19880804.stm"] <--storm filename, one per line for NSTORM time
*%-----|-----
*% August 8th, 1996 Storm - Ottawa International Airport
START      TZERO=[0.0],  METOUT=[2],  NSTORM=[1],  NRUN=[1996]
           ["19960808.stm"] <--storm filename, one per line for NSTORM time
*%-----|-----
*% 100-Year, 3-Hour Chicago Storm + 20%
START      TZERO=[0.0],  METOUT=[2],  NSTORM=[1],  NRUN=[9999]
           ["100YC3H+.STM"] <--storm filename, one per line for NSTORM time
*%-----|-----
FINISH

```

```
00001 *****
00002 SSSSS W W M M H H Y Y M M O O 222 000 11 5555 *****
00003 SSSS W W M M H H Y Y M M O O 2 2 0 0 11 5
00004 SSSS W W M M H H Y Y M M O O 2 2 0 0 11 5 Ver 5.500
00005 SSSS W W M M H H Y Y M M O O 222 0 0 11 555 FEB 2015
00006 SSSS W W M M H H Y Y M M O O 2 2 0 0 11 5
00007 SSSS W W M M H H Y Y M M O O 2 2 0 0 11 5
00008 *****
00009 StormWater Management Hydrologic Model 222 000 11 555 *****
00010 *****
00011 *****
00012 ***** SWHYNO Ver 5.500 *****
00013 ***** A single event and continuous hydrologic simulation model *****
00014 ***** based on the principles of HYMO and its successors *****
00015 ***** OTTHMO-SI and OTTHMO-99 *****
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: jsabour@jfsa.com *****
00021 *****
00022 *****
00023 *****
00024 ***** Licensed user: JFSAinc. *****
00025 ***** SERIAL#:2549237 *****
00026 *****
00027 *****
00028 *****
00029 *****
00030 *****
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: 2026-03-27 TIME: 11:21:05 RUN COUNTER: 015120 *****
00039 *****
00040 ***** Input file: C:\Temp\Ottawa Street\20260327-PreDev\Ott-St-Pre_v05.dat *****
00041 ***** Output file: C:\Temp\Ottawa Street\20260327-PreDev\Ott-St-Pre_v05.sum *****
00042 ***** Summary file: C:\Temp\Ottawa Street\20260327-PreDev\Ott-St-Pre_v05.sum *****
00043 ***** User comments: *****
00044 ***** 1. *****
00045 ***** 2. *****
00046 ***** 3. *****
00047 *****
00048 *****
00049 *****
00050 *****
00051 ***** SWHYNO / INPUT DATA FILE *****
00052 *****
00053 ***** Project Name : [5923 Ottawa St] *****
00054 ***** Project Number: [92710(e01)] *****
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 ***** [METDIME = 1] *****
00076 ***** [NRUN = 0002] *****
00077 *****
00078 ***** SWHYNO / INPUT DATA FILE *****
00079 *****
00080 ***** Project Name : [5923 Ottawa St] *****
00081 ***** Project Number: [92710(e01)] *****
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=10.00;SDUR= 3.00;PTOT= 31.66] *****
00094 *****
00095 ***** # EXT1 *****
00096 *****
00097 *****
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; Tpe= .72] *****
00100 *****
00101 ***** # EXT2 *****
00102 *****
00103 ***** R0002:C00004 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00104 ***** CALIB NASHYD 1.0 01:EXT2 .28 .007 No.Date 1:25 10.26 .322 .000
00105 ***** [CN= 85.0; N= 3.00; Tpe= .48] *****
00106 *****
00107 ***** # EXT1 *****
00108 *****
00109 ***** R0002:C00005 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00110 ***** CALIB NASHYD 1.0 01:EXT3 .56 .013 No.Date 1:24 8.15 .256 .000
00111 ***** [CN= 80.0; N= 3.00; Tpe= .32] *****
00112 *****
00113 ***** # EXT4 *****
00114 *****
00115 ***** R0002:C00006 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00116 ***** CALIB NASHYD 1.0 01:EXT4 .31 .006 No.Date 1:22 7.80 .245 .000
00117 ***** [CN= 79.0; N= 3.00; Tpe= .48] *****
00118 *****
00119 ***** # EXT1 *****
00120 *****
00121 ***** R0002:C00007 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00122 ***** CALIB NASHYD 1.0 01:EXT5 .59 .008 No.Date 1:36 6.88 .216 .000
00123 ***** [CN= 76.0; N= 3.00; Tpe= .45] *****
00124 *****
00125 ***** # EXT6 *****
00126 *****
00127 ***** R0002:C00008 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00128 ***** CALIB NASHYD 1.0 01:EXT6 .86 .015 No.Date 1:44 10.27 .322 .000
00129 ***** [CN= 85.0; N= 3.00; Tpe= .56] *****
00130 *****
00131 ***** # EXT7 *****
00132 *****
00133 ***** R0002:C00009 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00134 ***** CALIB NASHYD 1.0 01:EXT7 .47 .011 No.Date 1:24 9.33 .293 .000
00135 ***** [CN= 85.0; N= 3.00; Tpe= .32] *****
00136 *****
00137 ***** # EXT1 *****
00138 *****
00139 ***** R0002:C00010 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00140 ***** CALIB NASHYD 1.0 01:EXT8 .83 .007 No.Date 1:39 7.81 .245 .000
00141 ***** [CN= 79.0; N= 3.00; Tpe= .42] *****
00142 *****
00143 ***** # EXT9 *****
00144 *****
00145 ***** R0002:C00011 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
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; Tpe= .48] *****
00148 *****
00149 ***** # EXT5a *****
00150 *****
00151 ***** R0002:C00012 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00152 ***** CALIB NASHYD 1.0 01:EXT9a .01 .001 No.Date 1:00 7.47 .234 .000
00153 ***** [CN= 78.0; N= 3.00; Tpe= .04] *****
00154 *****
00155 ***** # EXT10 *****
00156 *****
00157 ***** R0002:C00013 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00158 ***** CALIB NASHYD 1.0 01:EXT10 .20 .002 No.Date 1:34 5.64 .177 .000
00159 ***** [CN= 71.0; N= 3.00; Tpe= .42] *****
00160 *****
00161 ***** # Pre2 *****
00162 *****
00163 ***** R0002:C00014 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00164 ***** CALIB NASHYD 1.0 01:Pre2 .57 .008 No.Date 1:36 7.48 .235 .000
00165 ***** [CN= 78.0; N= 3.00; Tpe= .46] *****
00166 *****
00167 ***** # Pre9 *****
00168 *****
00169 ***** R0002:C00015 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00170 ***** CALIB NASHYD 1.0 01:Pre9 .83 .007 No.Date 1:52 5.65 .177 .000
00171 ***** [CN= 71.0; N= 3.00; Tpe= .64] *****
00172 *****
00173 ***** # Pre10 *****
00174 *****
00175 ***** R0002:C00016 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00176 ***** CALIB NASHYD 1.0 01:Pre10 .80 .011 No.Date 1:22 5.65 .177 .000
00177 ***** [CN= 71.0; N= 3.00; Tpe= .42] *****
00178 *****
00179 ***** # Pre11 *****
00180 *****
00181 ***** R0002:C00017 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00182 ***** CALIB NASHYD 1.0 01:EXT8 .59 .014 No.Date 1:34 12.13 .285 .000
00183 ***** [CN= 78.0; N= 3.00; Tpe= .45] *****
00184 *****
00185 ***** # EXT6 *****
00186 *****
00187 ***** R0002:C00018 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00188 ***** CALIB NASHYD 1.0 01:EXT7 .86 .026 No.Date 1:42 17.32 .407 .000
00189 ***** [CN= 85.0; N= 3.00; Tpe= .56] *****
00190 *****
00191 ***** # EXT7 *****
00192 *****
00193 ***** R0002:C00019 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00194 ***** CALIB NASHYD 1.0 01:EXT8 .59 .014 No.Date 1:34 12.13 .285 .000
00195 ***** [CN= 79.0; N= 3.00; Tpe= .42] *****
00196 *****
00197 ***** # EXT9 *****
00198 *****
00199 ***** R0002:C00020 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00200 ***** CALIB NASHYD 1.0 01:EXT9 .47 .019 No.Date 1:23 15.94 .375 .000
00201 ***** [CN= 82.0; N= 3.00; Tpe= .29] *****
00202 *****
00203 ***** # EXT9 *****
00204 *****
00205 ***** R0002:C00021 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00206 ***** CALIB NASHYD 1.0 01:EXT9 .47 .019 No.Date 1:23 15.94 .375 .000
00207 ***** [CN= 82.0; N= 3.00; Tpe= .29] *****
00208 *****
00209 ***** # EXT9 *****
00210 *****
00211 ***** R0002:C00022 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00212 ***** CALIB NASHYD 1.0 01:EXT9 .47 .019 No.Date 1:23 15.94 .375 .000
00213 ***** [CN= 82.0; N= 3.00; Tpe= .29] *****
00214 *****
00215 ***** # EXT9 *****
00216 *****
00217 ***** R0002:C00023 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00218 ***** CALIB NASHYD 1.0 01:EXT9 .47 .019 No.Date 1:23 15.94 .375 .000
00219 ***** [CN= 82.0; N= 3.00; Tpe= .29] *****
00220 *****
00221 ***** # EXT9 *****
00222 *****
00223 ***** R0002:C00024 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00224 ***** CALIB NASHYD 1.0 01:EXT9 .47 .019 No.Date 1:23 15.94 .375 .000
00225 ***** [CN= 82.0; N= 3.00; Tpe= .29] *****
00226 *****
00227 ***** # EXT9 *****
00228 *****
00229 ***** R0002:C00025 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00230 ***** CALIB NASHYD 1.0 01:EXT9 .47 .019 No.Date 1:23 15.94 .375 .000
00231 ***** [CN= 82.0; N= 3.00; Tpe= .29] *****
00232 *****
00233 ***** # EXT9 *****
00234 *****
00235 ***** R0002:C00026 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00236 ***** CALIB NASHYD 1.0 01:EXT9 .47 .019 No.Date 1:23 15.94 .375 .000
00237 ***** [CN= 82.0; N= 3.00; Tpe= .29] *****
00238 *****
00239 ***** # EXT9 *****
00240 *****
00241 ***** R0002:C00027 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00242 ***** CALIB NASHYD 1.0 01:EXT9 .47 .019 No.Date 1:23 15.94 .375 .000
00243 ***** [CN= 82.0; N= 3.00; Tpe= .29] *****
00244 *****
00245 ***** # EXT9 *****
00246 *****
00247 ***** R0002:C00028 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00248 ***** CALIB NASHYD 1.0 01:EXT9 .47 .019 No.Date 1:23 15.94 .375 .000
00249 ***** [CN= 82.0; N= 3.00; Tpe= .29] *****
00250 *****
00251 ***** # EXT9 *****
00252 *****
00253 ***** R0002:C00029 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00254 ***** CALIB NASHYD 1.0 01:EXT9 .47 .019 No.Date 1:23 15.94 .375 .000
00255 ***** [CN= 82.0; N= 3.00; Tpe= .29] *****
00256 *****
00257 ***** # EXT9 *****
00258 *****
00259 ***** R0002:C00030 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00260 ***** CALIB NASHYD 1.0 01:EXT9 .47 .019 No.Date 1:23 15.94 .375 .000
00261 ***** [CN= 82.0; N= 3.00; Tpe= .29] *****
00262 *****
00263 ***** # EXT9 *****
00264 *****
00265 ***** R0002:C00031 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00266 ***** CALIB NASHYD 1.0 01:EXT9 .47 .019 No.Date 1:23 15.94 .375 .000
00267 ***** [CN= 82.0; N= 3.00; Tpe= .29] *****
00268 *****
00269 ***** # EXT9 *****
00270 *****
00271 ***** R0002:C00032 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00272 ***** CALIB NASHYD 1.0 01:EXT9 .47 .019 No.Date 1:23 15.94 .375 .000
00273 ***** [CN= 82.0; N= 3.00; Tpe= .29] *****
00274 *****
00275 ***** # EXT9 *****
00276 *****
00277 ***** R0002:C00033 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00278 ***** CALIB NASHYD 1.0 01:EXT9 .47 .019 No.Date 1:23 15.94 .375 .000
00279 ***** [CN= 82.0; N= 3.00; Tpe= .29] *****
00280 *****
00281 ***** # EXT9 *****
00282 *****
00283 ***** R0002:C00034 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00284 ***** CALIB NASHYD 1.0 01:EXT9 .47 .019 No.Date 1:23 15.94 .375 .000
00285 ***** [CN= 82.0; N= 3.00; Tpe= .29] *****
00286 *****
00287 ***** # EXT9 *****
00288 *****
00289 ***** R0002:C00035 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00290 ***** CALIB NASHYD 1.0 01:EXT9 .47 .019 No.Date 1:23 15.94 .375 .000
00291 ***** [CN= 82.0; N= 3.00; Tpe= .29] *****
00292 *****
00293 ***** # EXT9 *****
00294 *****
00295 ***** R0002:C00036 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00296 ***** CALIB NASHYD 1.0 01:EXT9 .47 .019 No.Date 1:23 15.94 .375 .000
00297 ***** [CN= 82.0; N= 3.00; Tpe= .29] *****
00298 *****
00299 ***** # EXT9 *****
00300 *****
00301 ***** R0002:C00037 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00302 ***** CALIB NASHYD 1.0 01:EXT9 .47 .019 No.Date 1:23 15.94 .375 .000
00303 ***** [CN= 82.0; N= 3.00; Tpe= .29] *****
00304 *****
00305 ***** # EXT9 *****
00306 *****
00307 ***** R0002:C00038 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00308 ***** CALIB NASHYD 1.0 01:EXT9 .47 .019 No.Date 1:23 15.94 .375 .000
00309 ***** [CN= 82.0; N= 3.00; Tpe= .29] *****
00310 *****
00311 ***** # EXT9 *****
00312 *****
00313 ***** R0002:C00039 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00314 ***** CALIB NASHYD 1.0 01:EXT9 .47 .019 No.Date 1:23 15.94 .375 .000
00315 ***** [CN= 82.0; N= 3.00; Tpe= .29] *****
00316 *****
00317 ***** # EXT9 *****
00318 *****
00319 ***** R0002:C00040 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00320 ***** CALIB NASHYD 1.0 01:EXT9 .47 .019 No.Date 1:23 15.94 .375 .000
00321 ***** [CN= 82.0; N= 3.00; Tpe= .29] *****
00322 *****
00323 ***** # EXT9 *****
00324 *****
00325 ***** R0002:C00041 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00326 ***** CALIB NASHYD 1.0 01:EXT9 .47 .019 No.Date 1:23 15.94 .375 .000
00327 ***** [CN= 82.0; N= 3.00; Tpe= .29] *****
00328 *****
00329 ***** # EXT9 *****
00330 *****
00331 ***** R0002:C00042 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00332 ***** CALIB NASHYD 1.0 01:EXT9 .47 .019 No.Date 1:23 15.94 .375 .000
00333 ***** [CN= 82.0; N= 3.00; Tpe= .29] *****
00334 *****
00335 ***** # EXT9 *****
00336 *****
00337 ***** R0002:C00043 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00338 ***** CALIB NASHYD 1.0 01:EXT9 .47 .019 No.Date 1:23 15.94 .375 .000
00339 ***** [CN= 82.0; N= 3.00; Tpe= .29] *****
00340 *****
00341 ***** # EXT9 *****
00342 *****
00343 ***** R0002:C00044 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00344 ***** CALIB NASHYD 1.0 01:EXT9 .47 .019 No.Date 1:23 15.94 .375 .000
00345 ***** [CN= 82.0; N= 3.00; Tpe= .29] *****
00346 *****
00347 ***** # EXT9 *****
00348 *****
00349 ***** R0002:C00045 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00350 ***** CALIB NASHYD 1.0 01:EXT9 .47 .019 No.Date 1:23 15.94 .375 .000
00351 ***** [CN= 82.0; N= 3.00; Tpe= .29] *****
00352 *****
00353 ***** # EXT9 *****
00354 *****
00355 ***** R0002:C00046 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00356 ***** CALIB NASHYD 1.0 01:EXT9 .47 .019 No.Date 1:23 15.94 .375 .000
00357 ***** [CN= 82.0; N= 3.00; Tpe= .29] *****
00358 *****
00359 ***** # EXT9 *****
00360 *****
00361 ***** R0002:C00047 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00362 ***** CALIB NASHYD 1.0 01:EXT9 .47 .019 No.Date 1:23 15.94 .375 .000
00363 ***** [CN= 82.0; N= 3.00; Tpe= .29] *****
00364 *****
00365 ***** # EXT9 *****
00366 *****
00367 ***** R0002:C00048 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00368 ***** CALIB NASHYD 1.0 01:EXT9 .47 .019 No.Date 1:23 15.94 .375 .000
00369 ***** [CN= 82.0; N= 3.00; Tpe= .29] *****
00370 *****
00371 ***** # EXT9 *****
00372 *****
00373 ***** R0002:C00049 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00374 ***** CALIB NASHYD 1.0 01:EXT9 .47 .019 No.Date 1:23 15.94 .375 .000
00375 ***** [CN= 82.0; N= 3.00; Tpe= .29] *****
00376 *****
00377 ***** # EXT9 *****
00378 *****
00379 ***** R0002:C00050 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00380 ***** CALIB NASHYD 1.0 01:EXT9 .47 .019 No.Date 1:23 15.94 .375 .000
00381 ***** [CN= 82.0; N= 3.00; Tpe= .29] *****
00382 *****
00383 ***** # EXT9 *****
00384 *****
00385 ***** R0002:C00051 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00386 ***** CALIB NASHYD 1.0 01:EXT9 .47 .019 No.Date 1:23 15.94 .375 .000
00387 ***** [CN= 82.0; N= 3.00; Tpe= .29] *****
00388 *****
00389 ***** # EXT9 *****
00390 *****
00391 ***** R0002:C00052 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00392 ***** CALIB NASHYD 1.0 01:EXT9 .47 .019 No.Date 1:23 15.94 .375 .000
00393 ***** [CN= 82.0; N= 3.00; Tpe= .29] *****
00394 *****
00395 ***** # EXT9 *****
00396 *****
00397 ***** R0002:C00053 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00398 ***** CALIB NASHYD 1.0 01:EXT9 .47 .019 No.Date 1:23 15.94 .375 .000
00399 ***** [CN= 82.0; N= 3.00; Tpe= .29] *****
00400 *****
00401 ***** # EXT9 *****
00402 *****
00403 ***** R0002:C00054 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00404 ***** CALIB NASHYD 1.0 01:EXT9 .47 .019 No.Date 1:23 15.94 .375 .000
00405 ***** [CN= 82.0; N= 3.00; Tpe= .29] *****
00406 *****
00407 ***** # EXT9 *****
00408 *****
00409 ***** R0002:C00055 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00410 ***** CALIB NASHYD 1.0 01:EXT9 .47 .019 No.Date 1:23 15.94 .375 .000
00411 ***** [CN= 82.0; N= 3.00; Tpe= .29] *****
00412 *****
00413 ***** # EXT9 *****
00414 *****
00415 ***** R0002:C00056 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00416 ***** CALIB NASHYD 1.0 01:EXT9 .47 .019 No.Date 1:23 15.94 .375 .000
00417 ***** [CN= 82.0; N= 3.00; Tpe= .29] *****
00418 *****
00419 ***** # EXT9 *****
00420 *****
00421 ***** R0002:C00057 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00422 ***** CALIB NASHYD 1.0 01:EXT9 .47 .019 No.Date 1:23 15.94 .375 .000
00423 ***** [CN= 82.0; N= 3.00; Tpe= .29] *****
00424 *****
00425 ***** # EXT9 *****
00426 *****
00427 ***** R0002:C00058 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00428 ***** CALIB NASHYD 1.0 01:EXT9 .47 .019 No.Date 1:23 15.94 .375 .000
00429 ***** [CN= 82.0; N= 3.00; Tpe= .29] *****
00430 *****
00431 ***** # EXT9 *****
00432 *****
00433 ***** R0002:C00059 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00434 ***** CALIB NASHYD 1.0 01:EXT9 .47 .019 No.Date 1:23 15.94 .375 .000
00435 ***** [CN= 82.0; N= 3.00; Tpe= .29] *****
00436 *****
00437 ***** # EXT9 *****
00438 *****
00439 ***** R0002:C00060 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00440 ***** CALIB NASHYD 1.0 01:EXT9 .47 .019 No.Date 1:23 15.94 .375 .000
00441 ***** [CN= 82.0; N= 3.00; Tpe= .29] *****
00442 *****
00443 ***** # EXT9 *****
00444 *****
00445 ***** R0002:C00061 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00446 ***** CALIB NASHYD 1.0 01:EXT9 .47 .019 No.Date 1:23 15.94 .375 .000
00447 ***** [CN= 82.0; N= 3.00; Tpe= .29] *****
00448 *****
00449 ***** # EXT9 *****
00450 *****
00451 ***** R0002:C00062 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00452 ***** CALIB NASHYD 1.0 01:EXT9 .47 .019 No.Date 1:23 15.94 .375 .000
00453 ***** [CN= 82.0; N= 3.00; Tpe= .29] *****
00454 *****
00455 ***** # EXT9 *****
00456 *****
00457 ***** R0002:C00063 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00458 ***** CALIB NASHYD 1.0 01:EXT9 .47 .019 No.Date 1:23 15.94 .375 .000
00459 ***** [CN= 82.0; N= 3.00; Tpe= .29] *****
00460 *****
00461 ***** # EXT9 *****
00462 *****
00463 ***** R0002:C00064 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00464 ***** CALIB NASHYD 1.0 01:EXT9 .47 .019 No.Date 1:23 15.94 .375 .000
00465 ***** [CN= 82.0; N= 3.00; Tpe= .29] *****
00466 *****
00467 ***** # EXT9 *****
00468 *****
00469 ***** R0002:C00065 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00470 ***** CALIB NASHYD 1.0 01:EXT9 .47 .019 No.Date 1:23 15.94 .375 .000
00471 ***** [CN= 82.0; N= 3.00; Tpe= .29] *****
00472 *****
00473 ***** # EXT9 *****
00474 *****
00475 ***** R0002:C00066 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00476 ***** CALIB NASHYD 1.0 01:EXT9 .47 .019 No.Date 1:23 15.94 .375 .000
00477 ***** [CN= 82.0; N= 3.00; Tpe= .29] *****
00478 *****
00479 ***** # EXT9 *****
00480 *****
00481 ***** R0002:C00067 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00482 ***** CALIB NASHYD 1.0 01:EXT9 .47 .019 No.Date 1:23 15.94 .375 .000
00483 ***** [CN= 82.0; N= 3.00; Tpe= .29] *****
00484 *****
00485 ***** # EXT9 *****
00486 *****
00487 ***** R0002:C00068 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00488 ***** CALIB NASHYD 1.0 01:EXT9 .47 .019 No.Date 1:23 15.94 .375 .000
00489 ***** [CN= 82.0; N= 3.00; Tpe= .29] *****
00490 *****
00491 ***** # EXT9 *****
00492 *****
00493 ***** R0002:C00069 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00494 ***** CALIB NASHYD 1.0 01:EXT9 .47 .019 No.Date 1:23 15.94 .375 .000
00495 ***** [CN= 82.0; N= 3.00; Tpe= .29] *****
00496 *****
00497 ***** # EXT9 *****
00498 *****
00499 ***** R0002:C00070 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00500 ***** CALIB NASHYD 1.0 01:EXT9 .47 .019 No.Date 1:23 15.94 .375 .000
00501 ***** [CN= 82.0; N= 3.00; Tpe= .29] *****
00502 *****
00503 ***** # EXT9 *****
00504 *****
00505 ***** R0002:C00071 ***** Dtain-ID:INHYD ***** AREAha-QFEARcms-TpeakDate_hh:mm-Rvmm-R.C.-DWfcms
00506 ***** CALIB NASHYD 1.0 01:EXT9 .47 .019 No.Date 1:23 15.94 .375 .000
00507 ***** [CN= 82.0; N= 3.00; Tpe= .29] *****
00508 *****
00509 ***** # EXT9 *****
00510 *****
00511 ***** R0002:C00072 ***** Dtain-ID:IN
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00361 CALIB NASHVD 1.0 01:EXT9 3.57 .083 No_date 1:136 12.13 .285 .000
00362 [CN= 78.0: N= 3.00: Tpe= .28]
00363 *****
00364 # EXT9a
00365 # *****
00366 R0005:C00012-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00367 CALIB NASHVD 1.0 01:EXT9a 4.01 .001 No_date 1:00 13.07 .307 .000
00368 [CN= 78.0: N= 3.00: Tpe= .04]
00369 *****
00370 # EXT10
00371 # *****
00372 R0005:C00018-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00373 CALIB NASHVD 1.0 01:EXT10 .20 .004 No_date 1:132 10.11 .238 .000
00374 [CN= 71.0: N= 3.00: Tpe= .42]
00375 *****
00376 # Pre2
00377 # *****
00378 R0005:C00014-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00379 CALIB NASHVD 1.0 01:Pre2 .57 .015 No_date 1:135 13.08 .308 .000
00380 [CN= 78.0: N= 3.00: Tpe= .04]
00381 *****
00382 # Pre2
00383 # *****
00384 R0005:C00015-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00385 CALIB NASHVD 1.0 01:Pre2 .83 .013 No_date 1:150 10.11 .238 .000
00386 [CN= 71.0: N= 3.00: Tpe= .64]
00387 *****
00388 # Pre10
00389 # *****
00390 R0005:C00016-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00391 CALIB NASHVD 1.0 01:Pre10 .80 .021 No_date 1:121 10.11 .238 .000
00392 [CN= 78.0: N= 3.00: Tpe= .04]
00393 *****
00394 # Pre11
00395 # *****
00396 R0005:C00017-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00397 CALIB NASHVD 1.0 01:Pre11 .07 .018 No_date 1:118 13.07 .307 .000
00398 [CN= 78.0: N= 3.00: Tpe= .21]
00399 *****
00400 R0005:C00018-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00401 ADD HYD + 1.0 02:EXT2 .28 .012 No_date 1:123 17.32 n/a .000
00402 SUM= + 1.0 02:EXT3 3.21 .046 No_date 1:135 14.13 n/a .000
00403 SUM= 1.0 01:21 .85 .026 No_date 1:129 14.50 n/a .000
00404 R0005:C00018-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00405 ROUTE CHANNEL -> 1.0 02:12 4.62 .102 No_date 1:143 14.20 n/a .000
00406 [RDT= 1.00] out-> 1.0 01:R1 .85 .025 No_date 1:136 14.50 n/a .000
00407 [L/S/n= 143 / .397 / .035]
00408 (Vmax= .291:Dmax= .109)
00409 R0005:C00020-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00410 ADD HYD + 1.0 02:R1 4.62 .025 No_date 1:145 14.20 n/a .000
00411 SUM= + 1.0 02:EXT3 .56 .020 No_date 1:123 14.13 n/a .000
00412 SUM= 1.0 02:EXT3 3.21 .046 No_date 1:135 14.13 n/a .000
00413 SUM= 1.0 01:32 4.62 .102 No_date 1:143 14.20 n/a .000
00414 R0005:C00021-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00415 ROUTE CHANNEL -> 1.0 02:12 4.62 .102 No_date 1:143 14.20 n/a .000
00416 [RDT= 1.00] out-> 1.0 01:R2 4.62 .101 No_date 1:145 14.20 n/a .000
00417 [L/S/n= 72 / .423 / .035]
00418 (Vmax= .412:Dmax= .195)
00419 R0005:C00022-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00420 ADD HYD + 1.0 02:R2 4.62 .101 No_date 1:145 14.20 n/a .000
00421 SUM= + 1.0 02:EXT4 .31 .011 No_date 1:121 13.59 n/a .000
00422 SUM= 1.0 02:EXT4 3.21 .046 No_date 1:135 14.13 n/a .000
00423 R0005:C00023-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00424 ROUTE CHANNEL -> 1.0 02:13 4.93 .109 No_date 1:143 14.16 n/a .000
00425 [RDT= 1.00] out-> 1.0 01:R3 4.93 .108 No_date 1:147 14.16 n/a .000
00426 [L/S/n= 92 / .274 / .035]
00427 (Vmax= .337:Dmax= .155)
00428 R0005:C00024-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00429 ADD HYD + 1.0 02:R3 4.93 .108 No_date 1:147 14.16 n/a .000
00430 SUM= + 1.0 02:EXT7 .87 .019 No_date 1:123 13.94 n/a .000
00431 SUM= 1.0 01:24 5.52 .121 No_date 1:145 13.94 n/a .000
00432 R0005:C00025-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00433 ROUTE CHANNEL -> 1.0 02:14 5.52 .121 No_date 1:145 13.94 n/a .000
00434 [RDT= 1.00] out-> 1.0 01:R4 5.52 .112 No_date 1:158 13.94 n/a .000
00435 [L/S/n= 251 / .190 / .035]
00436 (Vmax= .323:Dmax= .221)
00437 R0005:C00026-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00438 ADD HYD + 1.0 02:R4 5.52 .112 No_date 1:158 13.94 n/a .000
00439 SUM= + 1.0 02:EXT6 .86 .026 No_date 1:142 17.32 n/a .000
00440 SUM= 1.0 02:EXT7 4.93 .109 No_date 1:143 14.16 n/a .000
00441 SUM= 1.0 01:25 6.86 .144 No_date 1:153 14.51 n/a .000
00442 R0005:C00027-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00443 ROUTE CHANNEL -> 1.0 02:15 6.86 .144 No_date 1:153 14.51 n/a .000
00444 [RDT= 1.00] out-> 1.0 01:R5 6.86 .144 No_date 2:00 14.51 n/a .000
00445 [L/S/n= 237 / .644 / .035]
00446 (Vmax= .519:Dmax= .210)
00447 R0005:C00028-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00448 ROUTE CHANNEL -> 1.0 02:Pre10 .80 .021 No_date 1:121 10.11 n/a .000
00449 [RDT= 1.00] out-> 1.0 01:R6 .80 .021 No_date 1:124 10.11 n/a .000
00450 [L/S/n= 71 / .776 / .035]
00451 (Vmax= .492:Dmax= .015)
00452 R0005:C00029-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00453 ROUTE CHANNEL -> 1.0 02:Pre9 .83 .013 No_date 1:150 10.11 n/a .000
00454 [RDT= 1.00] out-> 1.0 01:R7 .83 .013 No_date 1:154 10.11 n/a .000
00455 [L/S/n= 159 / .157 / .035]
00456 (Vmax= .797:Dmax= .004)
00457 R0005:C00030-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00458 ADD HYD + 1.0 02:R6 .80 .021 No_date 1:124 10.26 n/a .000
00459 SUM= + 1.0 02:EXT10 .20 .004 No_date 1:132 10.11 n/a .000
00460 SUM= 1.0 02:Pre11 .07 .018 No_date 1:118 13.07 .307 .000
00461 SUM= 1.0 01:EXT9a .01 .001 No_date 1:00 13.07 n/a .000
00462 SUM= 1.0 01:26 1.09 .028 No_date 1:124 10.44 n/a .000
00463 R0005:C00031-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00464 ROUTE CHANNEL -> 1.0 02:16 1.09 .028 No_date 1:124 10.44 n/a .000
00465 [RDT= 1.00] out-> 1.0 01:R8 1.09 .027 No_date 1:127 10.44 n/a .000
00466 [L/S/n= 79 / .522 / .035]
00467 (Vmax= .423:Dmax= .028)
00468 R0005:C00032-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00469 ADD HYD + 1.0 02:R8 1.09 .027 No_date 1:127 10.44 n/a .000
00470 SUM= + 1.0 02:R7 .83 .013 No_date 1:154 10.14 n/a .000
00471 SUM= 1.0 01:27 1.92 .037 No_date 1:132 10.31 n/a .000
00472 R0005:C00033-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00473 ROUTE CHANNEL -> 1.0 02:17 1.92 .037 No_date 1:132 10.31 n/a .000
00474 [RDT= 1.00] out-> 1.0 01:R9 1.92 .037 No_date 1:133 10.31 n/a .000
00475 [L/S/n= 29 / .887 / .035]
00476 (Vmax= .543:Dmax= .025)
00477 R0005:C00034-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00478 ADD HYD + 1.0 02:EXT9 3.57 .083 No_date 1:136 12.13 .285 .000
00479 SUM= + 1.0 02:R9 1.92 .037 No_date 1:133 10.32 n/a .000
00480 SUM= 1.0 02:EXT8 .07 .004 No_date 1:114 17.32 n/a .000
00481 SUM= 1.0 01:R5 6.86 .144 No_date 2:00 14.51 n/a .000
00482 SUM= 1.0 01:26 1.09 .028 No_date 1:124 10.44 n/a .000
00483 R0005:C00035-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00484 ROUTE PIPE -> 1.0 02:18 13.18 .266 No_date 1:149 13.20 n/a .000
00485 [RDT= 1.00] out-> 1.0 01:Outlet 13.18 .266 No_date 1:150 13.20 n/a .000
00486 [L/S/n= 8 / .010 / .035]
00487 (Vmax= .197:Dmax= .000)
00488 (Dine= .53:Dused= 1.04)
00489 *****
00490 # STORM
00491 *****
00492 *****
00493 *****
00494 *****
00495 *****
00496 *****
00497 *****
00498 *****
00499 *****
00500 RUN/COMMAND#
00501 R0001:C0001-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00502 START
00503 [TZERO = .00 hrs on 0]
00504 [METOUT= 2 (1=Imperial, 2=metric output)]
00505 [METFORM= 1]
00506 [INRUN = 0010]
00507 *****
00508 # SMOYRNO / INPUT DATA FILE
00509 *****
00510 # Project Name : [5923 Ottawa SC]
00511 # Project Number : [92710 (e01)]
00512 # Date : [2025 FEB 05]
00513 # Modeller : [JFSA]
00514 # Company : [NEMA Canada Inc.]
00515 # License : [254927]
00516 *****
00517 # Model developed to simulate discharges under peak conditions
00518 *****
00519 R0010:C0000-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00520 READ STORM
00521 *****
00522 # Storm File : [STORM_001]
00523 # Comment : [CHICAGO STORM 10 Year, 3 Hours]
00524 [SDT=10.00:SDR= 3.00:PTOT= 49.50]
00525 *****
00526 # EXT1
00527 *****
00528 CALIB NASHVD 1.0 01:EXT1 3.21 .088 No_date 1:154 18.55 .375 .000
00529 [CN= 80.0: N= 3.00: Tpe= .72]
00530 *****
00531 # EXT2
00532 *****
00533 R0010:C00004-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00534 CALIB NASHVD 1.0 01:EXT2 .28 .016 No_date 1:123 22.42 .453 .000
00535 [CN= 85.0: N= 3.00: Tpe= .04]
00536 *****
00537 # EXT3
00538 *****
00539 R0010:C00005-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00540 CALIB NASHVD 1.0 01:EXT3 .56 .027 No_date 1:123 18.55 .375 .000
00541 [CN= 80.0: N= 3.00: Tpe= .32]
00542 *****
00543 # EXT4
00544 *****
00545 R0010:C00006-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00546 CALIB NASHVD 1.0 01:EXT4 .31 .015 No_date 1:120 17.89 .361 .000
00547 [CN= 83.0: N= 3.00: Tpe= .48]
00548 *****
00549 # EXT5
00550 *****
00551 R0010:C00007-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00552 CALIB NASHVD 1.0 01:EXT5 .59 .019 No_date 1:133 16.07 .325 .000
00553 [CN= 76.0: N= 3.00: Tpe= .45]
00554 *****
00555 # EXT6
00556 *****
00557 R0010:C00008-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00558 CALIB NASHVD 1.0 01:EXT6 .86 .035 No_date 1:141 22.42 .453 .000
00559 [CN= 85.0: N= 3.00: Tpe= .56]
00560 *****
00561 # EXT7
00562 *****
00563 R0010:C00009-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00564 CALIB NASHVD 1.0 01:EXT7 .47 .025 No_date 1:122 20.75 .419 .000
00565 [CN= 83.0: N= 3.00: Tpe= .42]
00566 *****
00567 # EXT8
00568 *****
00569 R0010:C00010-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00570 CALIB NASHVD 1.0 01:EXT8 .83 .032 No_date 1:131 17.89 .361 .000
00571 [CN= 79.0: N= 3.00: Tpe= .42]
00572 *****
00573 # EXT9
00574 *****
00575 R0010:C00011-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00576 CALIB NASHVD 1.0 01:EXT9 3.57 .111 No_date 1:136 16.08 .325 .000
00577 [CN= 76.0: N= 3.00: Tpe= .45]
00578 *****
00579 # EXT9a
00580 *****
00581 R0010:C00012-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00582 CALIB NASHVD 1.0 01:EXT9a .01 .001 No_date 1:00 17.25 .348 .000
00583 [CN= 78.0: N= 3.00: Tpe= .04]
00584 *****
00585 # EXT10
00586 *****
00587 R0010:C00013-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00588 CALIB NASHVD 1.0 01:EXT10 .20 .006 No_date 1:131 13.53 .273 .000
00589 [CN= 71.0: N= 3.00: Tpe= .42]
00590 *****
00591 # Pre2
00592 *****
00593 R0010:C00014-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00594 CALIB NASHVD 1.0 01:Pre2 .57 .020 No_date 1:134 17.26 .349 .000
00595 [CN= 78.0: N= 3.00: Tpe= .45]
00596 *****
00597 # Pre9
00598 *****
00599 R0010:C00015-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00600 CALIB NASHVD 1.0 01:Pre9 .83 .018 No_date 1:149 13.53 .273 .000
00601 [CN= 71.0: N= 3.00: Tpe= .64]
00602 *****
00603 # Pre10
00604 *****
00605 R0010:C00016-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00606 CALIB NASHVD 1.0 01:Pre10 .80 .029 No_date 1:121 13.53 .273 .000
00607 [CN= 78.0: N= 3.00: Tpe= .21]
00608 *****
00609 # Pre11
00610 *****
00611 R0010:C00017-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00612 CALIB NASHVD 1.0 01:Pre11 .07 .018 No_date 1:114 17.25 .348 .000
00613 [CN= 78.0: N= 3.00: Tpe= .21]
00614 *****
00615 R0010:C00018-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00616 ADD HYD + 1.0 02:EXT2 .28 .016 No_date 1:123 22.42 n/a .000
00617 SUM= + 1.0 02:EXT3 3.21 .046 No_date 1:135 14.13 n/a .000
00618 SUM= 1.0 01:21 .85 .035 No_date 1:128 18.99 n/a .000
00619 R0010:C00018-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00620 ROUTE CHANNEL -> 1.0 02:12 4.62 .102 No_date 1:143 14.20 n/a .000
00621 [RDT= 1.00] out-> 1.0 01:R1 .85 .033 No_date 1:135 18.99 n/a .000
00622 [L/S/n= 143 / .394 / .035]
00623 (Vmax= .311:Dmax= .122)
00624 R0010:C00020-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00625 ADD HYD + 1.0 02:R2 4.62 .135 No_date 1:145 18.63 n/a .000
00626 SUM= + 1.0 02:EXT3 .56 .027 No_date 1:123 18.55 n/a .000
00627 SUM= 1.0 02:EXT3 3.21 .046 No_date 1:135 14.13 n/a .000
00628 SUM= 1.0 01:12 4.62 .136 No_date 1:142 18.63 n/a .000
00629 R0010:C00021-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00630 ROUTE CHANNEL -> 1.0 02:12 4.62 .136 No_date 1:142 18.63 n/a .000
00631 [RDT= 1.00] out-> 1.0 01:R2 4.62 .135 No_date 1:145 18.63 n/a .000
00632 [L/S/n= 72 / .425 / .035]
00633 (Vmax= .444:Dmax= .219)
00634 R0010:C00022-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00635 ADD HYD + 1.0 02:R2 4.62 .135 No_date 1:145 18.63 n/a .000
00636 SUM= + 1.0 02:EXT4 .31 .015 No_date 1:120 17.89 n/a .000
00637 SUM= 1.0 02:EXT4 3.21 .046 No_date 1:135 14.13 n/a .000
00638 R0010:C00023-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00639 ROUTE CHANNEL -> 1.0 02:13 4.93 .145 No_date 1:142 18.59 n/a .000
00640 [RDT= 1.00] out-> 1.0 01:R3 4.93 .144 No_date 1:146 18.59 n/a .000
00641 [L/S/n= 92 / .274 / .035]
00642 (Vmax= .364:Dmax= .150)
00643 R0010:C00024-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00644 ADD HYD + 1.0 02:R3 4.93 .144 No_date 1:146 18.59 n/a .000
00645 SUM= + 1.0 02:EXT5 .59 .026 No_date 1:123 18.55 n/a .000
00646 SUM= 1.0 01:24 5.52 .162 No_date 1:144 18.32 n/a .000
00647 R0010:C00025-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00648 ROUTE CHANNEL -> 1.0 02:14 5.52 .162 No_date 1:144 18.32 n/a .000
00649 [RDT= 1.00] out-> 1.0 01:R4 5.52 .151 No_date 1:156 18.32 n/a .000
00650 [L/S/n= 251 / .190 / .035]
00651 (Vmax= .573:Dmax= .250)
00652 R0010:C00026-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00653 ADD HYD + 1.0 02:R4 5.52 .151 No_date 1:156 18.32 n/a .000
00654 SUM= + 1.0 02:EXT6 .86 .035 No_date 1:141 22.42 n/a .000
00655 SUM= 1.0 02:EXT7 4.93 .109 No_date 1:143 14.16 n/a .000
00656 SUM= 1.0 01:25 6.86 .197 No_date 1:151 19.00 n/a .000
00657 R0010:C00027-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00658 ROUTE CHANNEL -> 1.0 02:15 6.86 .194 No_date 1:156 19.00 n/a .000
00659 [RDT= 1.00] out-> 1.0 01:R5 6.86 .194 No_date 1:156 19.00 n/a .000
00660 [L/S/n= 237 / .644 / .035]
00661 (Vmax= .573:Dmax= .238)
00662 R0010:C00028-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00663 ROUTE CHANNEL -> 1.0 02:Pre10 .80 .029 No_date 1:121 13.53 n/a .000
00664 [RDT= 1.00] out-> 1.0 01:R6 .80 .029 No_date 1:124 13.53 n/a .000
00665 [L/S/n= 71 / .776 / .035]
00666 (Vmax= .492:Dmax= .021)
00667 R0010:C00029-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00668 ROUTE CHANNEL -> 1.0 02:Pre9 .83 .018 No_date 1:149 13.53 n/a .000
00669 [RDT= 1.00] out-> 1.0 01:R7 .83 .018 No_date 1:153 13.53 n/a .000
00670 [L/S/n= 159 / .157 / .035]
00671 (Vmax= .797:Dmax= .005)
00672 R0010:C00030-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00673 ADD HYD + 1.0 02:R6 .80 .026 No_date 1:124 13.70 n/a .000
00674 SUM= + 1.0 02:EXT10 .20 .006 No_date 1:131 13.53 n/a .000
00675 SUM= 1.0 02:Pre11 .07 .004 No_date 1:114 17.89 n/a .000
00676 SUM= 1.0 02:EXT9a .01 .001 No_date 1:00 17.25 n/a .000
00677 SUM= 1.0 01:26 1.09 .038 No_date 1:123 13.93 n/a .000
00678 R0010:C00031-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00679 ROUTE CHANNEL -> 1.0 02:16 1.09 .038 No_date 1:123 13.93 n/a .000
00680 [RDT= 1.00] out-> 1.0 01:R8 1.09 .037 No_date 1:127 13.93 n/a .000
00681 [L/S/n= 79 / .522 / .035]
00682 (Vmax= .423:Dmax= .028)
00683 R0010:C00032-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00684 ADD HYD + 1.0 02:R8 1.09 .037 No_date 1:127 13.93 n/a .000
00685 SUM= + 1.0 02:R7 .83 .018 No_date 1:153 13.55 n/a .000
00686 SUM= 1.0 01:27 1.92 .050 No_date 1:131 13.77 n/a .000
00687 R0010:C00033-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00688 ROUTE CHANNEL -> 1.0 02:17 1.92 .050 No_date 1:131 13.77 n/a .000
00689 [RDT= 1.00] out-> 1.0 01:R9 1.92 .050 No_date 1:132 13.77 n/a .000
00690 [L/S/n= 29 / .887 / .035]
00691 (Vmax= .543:Dmax= .034)
00692 R0010:C00034-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00693 ADD HYD + 1.0 02:EXT9 3.57 .111 No_date 1:136 16.08 n/a .000
00694 SUM= + 1.0 02:R9 1.92 .050 No_date 1:132 13.78 n/a .000
00695 SUM= 1.0 02:EXT8 .07 .004 No_date 1:114 17.89 n/a .000
00696 SUM= 1.0 01:R5 6.86 .194 No_date 1:156 19.00 n/a .000
00697 SUM= 1.0 01:26 1.09 .038 No_date 1:123 13.93 n/a .000
00698 R0010:C00035-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00699 ROUTE PIPE -> 1.0 02:18 13.18 .263 No_date 1:147 17.38 n/a .000
00700 [RDT= 1.00] out-> 1.0 01:Outlet 13.18 .263 No_date 1:147 17.38 n/a .000
00701 [L/S/n= 8 / .010 / .035]
00702 (Vmax= .384:Dmax= .959)
00703 (Dine= .53:Dused= 1.17)
00704 *****
00705 # STORM
00706 *****
00707 *****
00708 *****
00709 *****
00710 *****
00711 *****
00712 *****
00713 *****
00714 *****
00715 RUN/COMMAND#
00716 R0021:C00001-----DtnIn-ID:INVD-----AREAhA-QFEARcms-TpeakDate_hh:mm-----Rvwm-R.C-----DWfms
00717 START
00718 [TZERO = .00 hrs on 0]
00719 [METOUT= 2 (1=Imperial, 2=metric output)]
00720 [METFORM= 1]
00721 *****
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Page 2

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01000 (Vmax= 406;Dmax= 309) -----DtnIn-ID-INVD-AREAhA-@FEAKms-TPeakDate_hh:mm-RWm-R-C--DWfms
01082# RD050-C00012-----DtnIn-ID-INVD-AREAhA-@FEAKms-TPeakDate_hh:mm-RWm-R-C--DWfms
01083# ADD HYD + 1.0 01:28M 5.52 .248 No_date 1:52 28.91 n/a .000
01084# RD050-C00012-----DtnIn-ID-INVD-AREAhA-@FEAKms-TPeakDate_hh:mm-RWm-R-C--DWfms
01085# + 1.0 02:12X7 .86 .055 No_date 1:40 34.45 n/a .000
01086# SUM + 1.0 02:12X6 .47 .041 No_date 1:21 34.85 n/a .000
01087# RD050-C00012-----DtnIn-ID-INVD-AREAhA-@FEAKms-TPeakDate_hh:mm-RWm-R-C--DWfms
01088# ROUTE CHANNEL -> 1.0 01:25 6.86 .323 No_date 1:47 29.83 n/a .000
01089# (Vmax= 498;Dmax= 288) -----DtnIn-ID-INVD-AREAhA-@FEAKms-TPeakDate_hh:mm-RWm-R-C--DWfms
01090# (L/S/m= 237.1,644/.035) -----DtnIn-ID-INVD-AREAhA-@FEAKms-TPeakDate_hh:mm-RWm-R-C--DWfms
01091# RD050-C00012-----DtnIn-ID-INVD-AREAhA-@FEAKms-TPeakDate_hh:mm-RWm-R-C--DWfms
01092# RD050-C00012-----DtnIn-ID-INVD-AREAhA-@FEAKms-TPeakDate_hh:mm-RWm-R-C--DWfms
01093# ROUTE CHANNEL -> 1.0 01:28M .80 .049 No_date 1:20 22.07 n/a .000
01094# (RD= 1.00) out< 1.0 01:28F .01 .048 No_date 1:23 22.07 n/a .000
01095# (L/S/m= 77.7,776/.035) -----DtnIn-ID-INVD-AREAhA-@FEAKms-TPeakDate_hh:mm-RWm-R-C--DWfms
01096# RD050-C00012-----DtnIn-ID-INVD-AREAhA-@FEAKms-TPeakDate_hh:mm-RWm-R-C--DWfms
01097# RD050-C00012-----DtnIn-ID-INVD-AREAhA-@FEAKms-TPeakDate_hh:mm-RWm-R-C--DWfms
01098# ROUTE CHANNEL -> 1.0 01:28F .83 .029 No_date 1:48 22.07 n/a .000
01099# (RD= 1.00) out< 1.0 01:28F .83 .029 No_date 1:51 22.07 n/a .000
01100# (L/S/m= 159.1,576/.035) -----DtnIn-ID-INVD-AREAhA-@FEAKms-TPeakDate_hh:mm-RWm-R-C--DWfms
01101# RD050-C00012-----DtnIn-ID-INVD-AREAhA-@FEAKms-TPeakDate_hh:mm-RWm-R-C--DWfms
01102# RD050-C00012-----DtnIn-ID-INVD-AREAhA-@FEAKms-TPeakDate_hh:mm-RWm-R-C--DWfms
01103# ADD HYD + 1.0 01:28M .80 .048 No_date 1:23 22.26 n/a .000
01104# + 1.0 02:12X7 .86 .055 No_date 1:40 34.45 n/a .000
01105# + 1.0 02:12X6 .47 .041 No_date 1:21 34.85 n/a .000
01106# RD050-C00012-----DtnIn-ID-INVD-AREAhA-@FEAKms-TPeakDate_hh:mm-RWm-R-C--DWfms
01107# SUM + 1.0 01:12X6 1.09 .063 No_date 1:22 22.62 n/a .000
01108# RD050-C00011-----DtnIn-ID-INVD-AREAhA-@FEAKms-TPeakDate_hh:mm-RWm-R-C--DWfms
01109# ROUTE CHANNEL -> 1.0 01:28F .83 .029 No_date 1:22 22.62 n/a .000
01110# (RD= 1.00) out< 1.0 01:28F 1.09 .062 No_date 1:26 22.62 n/a .000
01111# (L/S/m= 9.7,522/.035) -----DtnIn-ID-INVD-AREAhA-@FEAKms-TPeakDate_hh:mm-RWm-R-C--DWfms
01112# (Vmax= 423;Dmax= 446) -----DtnIn-ID-INVD-AREAhA-@FEAKms-TPeakDate_hh:mm-RWm-R-C--DWfms
01113# RD050-C00012-----DtnIn-ID-INVD-AREAhA-@FEAKms-TPeakDate_hh:mm-RWm-R-C--DWfms
01114# ADD HYD + 1.0 01:28M 1.09 .062 No_date 1:26 22.62 n/a .000
01115# + 1.0 02:12X7 .83 .029 No_date 1:51 22.62 n/a .000
01116# SUM + 1.0 01:28F 1.92 .047 No_date 1:31 22.39 n/a .000
01117# RD050-C00013-----DtnIn-ID-INVD-AREAhA-@FEAKms-TPeakDate_hh:mm-RWm-R-C--DWfms
01118# RD050-C00013-----DtnIn-ID-INVD-AREAhA-@FEAKms-TPeakDate_hh:mm-RWm-R-C--DWfms
01119# (RD= 1.00) out< 1.0 01:28F 1.92 .047 No_date 1:31 22.39 n/a .000
01120# (L/S/m= 29.4,887/.035) -----DtnIn-ID-INVD-AREAhA-@FEAKms-TPeakDate_hh:mm-RWm-R-C--DWfms
01121# (Vmax= 441;Dmax= 446) -----DtnIn-ID-INVD-AREAhA-@FEAKms-TPeakDate_hh:mm-RWm-R-C--DWfms
01122# RD050-C00013-----DtnIn-ID-INVD-AREAhA-@FEAKms-TPeakDate_hh:mm-RWm-R-C--DWfms
01123# ADD HYD + 1.0 01:28F 1.57 .183 No_date 1:35 25.77 n/a .000
01124# + 1.0 02:12X7 1.92 .084 No_date 1:31 22.40 n/a .000
01125# + 1.0 02:12X8 .83 .052 No_date 1:30 22.43 n/a .000
01126# 6.86 .055 1:18 No_date 1:53 29.83 n/a .000
01127# SUM + 1.0 01:28 13.18 .605 No_date 1:43 27.56 n/a .000
01128# RD050-C00013-----DtnIn-ID-INVD-AREAhA-@FEAKms-TPeakDate_hh:mm-RWm-R-C--DWfms
01129# ROUTE PIPE -> 1.0 01:28 13.18 .605 No_date 1:43 27.56 n/a .000
01130# (RD= 1.00) out< 1.0 01:28 13.18 .604 No_date 1:45 27.56 n/a .000
01131# (L/S/m= 8.7,522/.035) -----DtnIn-ID-INVD-AREAhA-@FEAKms-TPeakDate_hh:mm-RWm-R-C--DWfms
01132# (Vmax= 438;Dmax= 1,161) -----DtnIn-ID-INVD-AREAhA-@FEAKms-TPeakDate_hh:mm-RWm-R-C--DWfms
01133# RD050-C00013-----DtnIn-ID-INVD-AREAhA-@FEAKms-TPeakDate_hh:mm-RWm-R-C--DWfms
01134# (RD= 1.00) out< 1.0 01:28F .83 .035 No_date 1:51 26.29 n/a .000
01135# (L/S/m= 159.1,576/.035) -----DtnIn-ID-INVD-AREAhA-@FEAKms-TPeakDate_hh:mm-RWm-R-C--DWfms
01136# (Vmax= 791;Dmax= 446) -----DtnIn-ID-INVD-AREAhA-@FEAKms-TPeakDate_hh:mm-RWm-R-C--DWfms
01137# ADD HYD + 1.0 01:28M .80 .048 No_date 1:23 22.07 n/a .000
01138# + 1.0 02:12X7 .86 .055 No_date 1:40 34.45 n/a .000
01139# SUM + 1.0 01:28F 1.09 .063 No_date 1:22 22.62 n/a .000
01140# RD050-C00013-----DtnIn-ID-INVD-AREAhA-@FEAKms-TPeakDate_hh:mm-RWm-R-C--DWfms
01141# RD050-C00013-----DtnIn-ID-INVD-AREAhA-@FEAKms-TPeakDate_hh:mm-RWm-R-C--DWfms
01142# (RD= 1.00) out< 1.0 01:28F 1.92 .047 No_date 1:31 22.39 n/a .000
01143# (L/S/m= 29.4,887/.035) -----DtnIn-ID-INVD-AREAhA-@FEAKms-TPeakDate_hh:mm-RWm-R-C--DWfms
01144# (Vmax= 441;Dmax= 446) -----DtnIn-ID-INVD-AREAhA-@FEAKms-TPeakDate_hh:mm-RWm-R-C--DWfms
01145# RD050-C00013-----DtnIn-ID-INVD-AREAhA-@FEAKms-TPeakDate_hh:mm-RWm-R-C--DWfms
01146# RD050-C00013-----DtnIn-ID-INVD-AREAhA-@FEAKms-TPeakDate_hh:mm-RWm-R-C--DWfms
01147# START (TZERO = .00 hrs on 2) -----DtnIn-ID-INVD-AREAhA-@FEAKms-TPeakDate_hh:mm-RWm-R-C--DWfms
01148# (RETURN= 0) -----DtnIn-ID-INVD-AREAhA-@FEAKms-TPeakDate_hh:mm-RWm-R-C--DWfms
01149# (TZERO = .00 hrs on 2) -----DtnIn-ID-INVD-AREAhA-@FEAKms-TPeakDate_hh:mm-RWm-R-C--DWfms
01150# (RETURN= 0) -----DtnIn-ID-INVD-AREAhA-@FEAKms-TPeakDate_hh:mm-RWm-R-C--DWfms
01151# (TZERO = .00 hrs on 2) -----DtnIn-ID-INVD-AREAhA-@FEAKms-TPeakDate_hh:mm-RWm-R-C--DWfms
01152# (RETURN= 0) -----DtnIn-ID-INVD-AREAhA-@FEAKms-TPeakDate_hh:mm-RWm-R-C--DWfms
01153# (TZERO = .00 hrs on 2) -----DtnIn-ID-INVD-AREAhA-@FEAKms-TPeakDate_hh:mm-RWm-R-C--DWfms
01154# (RETURN= 0) -----DtnIn-ID-INVD-AREAhA-@FEAKms-TPeakDate_hh:mm-RWm-R-C--DWfms
01155# (TZERO = .00 hrs on 2) -----DtnIn-ID-INVD-AREAhA-@FEAKms-TPeakDate_hh:mm-RWm-R-C--DWfms
01156# (TZERO = .00 hrs on 2) -----DtnIn-ID-INVD-AREAhA-@FEAKms-TPeakDate_hh:mm-RWm-R-C--DWfms
01157# (TZERO = .00 hrs on 2) -----DtnIn-ID-INVD-AREAhA-@FEAKms-TPeakDate_hh:mm-RWm-R-C--DWfms
01158# (TZERO = .00 hrs on 2) -----DtnIn-ID-INVD-AREAhA-@FEAKms-TPeakDate_hh:mm-RWm-R-C--DWfms
01159# (TZERO = .00 hrs on 2) -----DtnIn-ID-INVD-AREAhA-@FEAKms-TPeakDate_hh:mm-RWm-R-C--DWfms
01160# (TZERO = .00 hrs on 2) -----DtnIn-ID-INVD-AREAhA-@FEAKms-TPeakDate_hh:mm-RWm-R-C--DWfms
01161# (TZERO = .00 hrs on 2) -----DtnIn-ID-INVD-AREAhA-@FEAKms-TPeakDate_hh:mm-RWm-R-C--DWfms
01162# (
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Page 4

Page 5

Page 6

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025240 # R1919/C00013-----Dtn-In-DtNv-----AREHA-AFEARCS-TpsaDate_hh:mm-----Rvwm-R-C-----Dwfms
025241 CALIB HASHTO 1.0 01:Fr210 .20 .016 No_date 12:19 50.61 474 .000
025242 # [CNF 71.0; Nm 3.00; Tps .46]
025243 -----Fps2-----
025244 # EXT2-----
025245 # R1919/C00013-----Dtn-In-DtNv-----AREHA-AFEARCS-TpsaDate_hh:mm-----Rvwm-R-C-----Dwfms
025246 CALIB HASHTO 1.0 01:Fr2 .57 .049 No_date 12:22 59.97 562 .000
025247 # [CNF 78.0; Nm 3.00; Tps .46]
025248 # Fps9-----
025249 # R1919/C00015-----Dtn-In-DtNv-----AREHA-AFEARCS-TpsaDate_hh:mm-----Rvwm-R-C-----Dwfms
025250 CALIB HASHTO 1.0 01:Fr9 .83 .047 No_date 12:35 50.61 474 .000
025251 # [CNF 71.0; Nm 3.00; Tps .46]
025252 # Fps1-----
025253 # R1919/C00016-----Dtn-In-DtNv-----AREHA-AFEARCS-TpsaDate_hh:mm-----Rvwm-R-C-----Dwfms
025254 CALIB HASHTO 1.0 01:Fr210 .86 .080 No_date 12:31 50.63 474 .000
025255 # [CNF 71.0; Nm 3.00; Tps .29]
025256 # Fps1-----
025257 # R1919/C00017-----Dtn-In-DtNv-----AREHA-AFEARCS-TpsaDate_hh:mm-----Rvwm-R-C-----Dwfms
025258 CALIB HASHTO 1.0 01:Fr210 .07 .010 No_date 12:06 59.96 562 .000
025259 # [CNF 71.0; Nm 3.00; Tps .46]
025260 # R1919/C00018-----Dtn-In-DtNv-----AREHA-AFEARCS-TpsaDate_hh:mm-----Rvwm-R-C-----Dwfms
025261 AD HYD + 1.0 02:R21 .037 No_date 12:13 70.93 n/a .000
025262 # 1.0 02:R22 .57 .049 No_date 12:22 59.97 n/a .000
025263 # 1.0 02:R23 .31 .038 No_date 12:11 50.63 474 .000
025264 # R1919/C00021-----Dtn-In-DtNv-----AREHA-AFEARCS-TpsaDate_hh:mm-----Rvwm-R-C-----Dwfms
025265 ROUTE CHANNEL -> 1.0 02:J1 .85 .084 No_date 12:17 63.63 n/a .000
025266 # [RDT=1.00] out<- 1.0 02:R21 .85 .084 No_date 12:22 63.63 n/a .000
025267 # [L/S/m= 143./ 394./ 035]
025268 # (Vmax= 404./max= 339.)
025269 # R1919/C00020-----Dtn-In-DtNv-----AREHA-AFEARCS-TpsaDate_hh:mm-----Rvwm-R-C-----Dwfms
025270 AD HYD + 1.0 02:R1 .85 .081 No_date 12:22 63.63 n/a .000
025271 # 1.0 02:R2 .31 .038 No_date 12:13 70.93 n/a .000
025272 # 1.0 02:R3 3.21 .212 No_date 12:39 62.92 n/a .000
025273 # 1.0 02:R4 .85 .084 No_date 12:17 63.63 n/a .000
025274 # R1919/C00021-----Dtn-In-DtNv-----AREHA-AFEARCS-TpsaDate_hh:mm-----Rvwm-R-C-----Dwfms
025275 ROUTE CHANNEL -> 1.0 02:J2 4.62 .329 No_date 12:27 63.05 n/a .000
025276 # [RDT=1.00] out<- 1.0 02:R2 4.62 .329 No_date 12:27 63.05 n/a .000
025277 # [L/S/m= 73./ 425./ 035]
025278 # (Vmax= 341./max= 339.)
025279 # R1919/C00022-----Dtn-In-DtNv-----AREHA-AFEARCS-TpsaDate_hh:mm-----Rvwm-R-C-----Dwfms
025280 AD HYD + 1.0 02:R1 4.93 .352 No_date 12:30 62.95 n/a .000
025281 # 1.0 02:R2 .59 .049 No_date 12:21 57.15 n/a .000
025282 # 1.0 02:R3 5.28 .352 No_date 12:38 62.92 n/a .000
025283 # R1919/C00025-----Dtn-In-DtNv-----AREHA-AFEARCS-TpsaDate_hh:mm-----Rvwm-R-C-----Dwfms
025284 ROUTE CHANNEL -> 1.0 02:J1 3.99 .354 No_date 12:27 62.95 n/a .000
025285 # [RDT=1.00] out<- 1.0 01:R4 5.52 .379 No_date 12:37 62.32 n/a .000
025286 # [L/S/m= 251./ 190./ 035]
025287 # (Vmax= 456./max= 379.)
025288 # R1919/C00026-----Dtn-In-DtNv-----AREHA-AFEARCS-TpsaDate_hh:mm-----Rvwm-R-C-----Dwfms
025289 AD HYD + 1.0 02:R1 4.93 .352 No_date 12:30 62.95 n/a .000
025290 # 1.0 02:R2 .59 .049 No_date 12:21 57.15 n/a .000
025291 # 1.0 02:R3 5.28 .352 No_date 12:38 62.92 n/a .000
025292 # R1919/C00027-----Dtn-In-DtNv-----AREHA-AFEARCS-TpsaDate_hh:mm-----Rvwm-R-C-----Dwfms
025293 ROUTE CHANNEL -> 1.0 02:J1 4.93 .352 No_date 12:30 62.95 n/a .000
025294 # [RDT=1.00] out<- 1.0 01:R5 6.86 .485 No_date 12:38 63.77 n/a .000
025295 # [L/S/m= 237./ 644./ 035]
025296 # (Vmax= 744./max= 340.)
025297 # R1919/C00028-----Dtn-In-DtNv-----AREHA-AFEARCS-TpsaDate_hh:mm-----Rvwm-R-C-----Dwfms
025298 ROUTE CHANNEL -> 1.0 02:J1 4.80 .080 No_date 12:11 50.61 n/a .000
025299 # [RDT=1.00] out<- 1.0 01:R6 .80 .078 No_date 12:14 50.61 n/a .000
025300 # [L/S/m= 07./ 776./ 035]
025301 # (Vmax= 492./max= 340.)
025302 # R1919/C00029-----Dtn-In-DtNv-----AREHA-AFEARCS-TpsaDate_hh:mm-----Rvwm-R-C-----Dwfms
025303 ROUTE CHANNEL -> 1.0 02:J1 4.83 .047 No_date 12:18 50.61 n/a .000
025304 # [RDT=1.00] out<- 1.0 01:R7 .83 .047 No_date 12:18 50.61 n/a .000
025305 # [L/S/m= 153./ 1576./ 035]
025306 # (Vmax= 797./max= 016.)
025307 # R1919/C00030-----Dtn-In-DtNv-----AREHA-AFEARCS-TpsaDate_hh:mm-----Rvwm-R-C-----Dwfms
025308 AD HYD + 1.0 02:R1 4.80 .078 No_date 12:13 50.61 n/a .000
025309 # 1.0 02:R2 .20 .016 No_date 12:19 50.61 n/a .000
025310 # 1.0 02:R3 .07 .019 No_date 12:16 50.61 n/a .000
025311 # 1.0 02:R4 .01 .003 No_date 12:00 59.96 n/a .000
025312 # 1.0 02:R5 1.92 .102 No_date 12:14 51.36 n/a .000
025313 # R1919/C00031-----Dtn-In-DtNv-----AREHA-AFEARCS-TpsaDate_hh:mm-----Rvwm-R-C-----Dwfms
025314 ROUTE CHANNEL -> 1.0 02:R6 1.09 .102 No_date 12:14 51.36 n/a .000
025315 # [RDT=1.00] out<- 1.0 01:R8 1.09 .102 No_date 12:17 51.36 n/a .000
025316 # [L/S/m= 73./ 522./ 035]
025317 # (Vmax= 421./max= 075.)
025318 # R1919/C00032-----Dtn-In-DtNv-----AREHA-AFEARCS-TpsaDate_hh:mm-----Rvwm-R-C-----Dwfms
025319 AD HYD + 1.0 02:R1 1.09 .100 No_date 12:17 51.36 n/a .000
025320 # 1.0 02:R2 .07 .019 No_date 12:18 51.36 n/a .000
025321 # 1.0 02:R3 1.92 .137 No_date 12:20 51.04 n/a .000
025322 # R1919/C00033-----Dtn-In-DtNv-----AREHA-AFEARCS-TpsaDate_hh:mm-----Rvwm-R-C-----Dwfms
025323 ROUTE CHANNEL -> 1.0 02:R4 1.92 .137 No_date 12:21 51.04 n/a .000
025324 # [RDT=1.00] out<- 1.0 01:R9 1.92 .137 No_date 12:21 51.04 n/a .000
025325 # [L/S/m= 29./ 877./ 035]
025326 # (Vmax= 543./max= 098.)
025327 # R1919/C00034-----Dtn-In-DtNv-----AREHA-AFEARCS-TpsaDate_hh:mm-----Rvwm-R-C-----Dwfms
025328 AD HYD + 1.0 02:R1 1.92 .137 No_date 12:23 51.05 n/a .000
025329 # 1.0 02:R2 1.92 .137 No_date 12:21 51.05 n/a .000
025330 # 1.0 02:R3 .07 .019 No_date 12:16 50.61 n/a .000
025331 # 1.0 02:R4 6.86 .485 No_date 12:38 63.77 n/a .000
025332 # 1.0 02:R5 13.18 .944 No_date 12:30 59.98 n/a .000
025333 # R1919/C00035-----Dtn-In-DtNv-----AREHA-AFEARCS-TpsaDate_hh:mm-----Rvwm-R-C-----Dwfms
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02880 # Model developed to simulate runoff from subcatchments under pre development conditions
02881 #####
02882 AR1988/C00002-----
02883 READ STORM
02884 File=NAME = STORM.D01
02885 Comment = August 8th, 1998 Storm (5th) - Ottawa International Airport step 5
02886 [CN= 50.0; N= 3.00; Tpr= .50]
02887 #####
02888 # EXT1
02889 AR1988/C00003-----
02890 DRAIN-ID-INVDY-----AREHA-A-PEAKMS-TpeakDate_hh:mm-----RWm-R-C-----DWfms
02891 CALIB NASHID 1.0 01:EXT1 3.21 .197 Mo_date 2:10 41.34 .513 .000
02892 [CN= 80.0; N= 3.00; Tpr= .72]
02893 #####
02894 # EXT2
02895 AR1988/C00004-----
02896 DRAIN-ID-INVDY-----AREHA-A-PEAKMS-TpeakDate_hh:mm-----RWm-R-C-----DWfms
02897 CALIB NASHID 1.0 01:EXT2 .28 .035 Mo_date 2:11 47.74 .592 .000
02898 [CN= 85.0; N= 3.00; Tpr= .33]
02899 #####
02900 # EXT3
02901 AR1988/C00005-----
02902 DRAIN-ID-INVDY-----AREHA-A-PEAKMS-TpeakDate_hh:mm-----RWm-R-C-----DWfms
02903 CALIB NASHID 1.0 01:EXT3 .46 .074 Mo_date 2:21 47.4 .592 .000
02904 [CN= 80.0; N= 3.00; Tpr= .32]
02905 #####
02906 # EXT4
02907 AR1988/C00006-----
02908 DRAIN-ID-INVDY-----AREHA-A-PEAKMS-TpeakDate_hh:mm-----RWm-R-C-----DWfms
02909 CALIB NASHID 1.0 01:EXT4 .59 .046 Mo_date 2:17 36.92 .458 .000
02910 [CN= 76.0; N= 3.00; Tpr= .45]
02911 #####
02912 # EXT5
02913 AR1988/C00007-----
02914 DRAIN-ID-INVDY-----AREHA-A-PEAKMS-TpeakDate_hh:mm-----RWm-R-C-----DWfms
02915 CALIB NASHID 1.0 01:EXT5 .47 .055 Mo_date 2:11 45.05 .559 .000
02916 [CN= 83.0; N= 3.00; Tpr= .32]
02917 #####
02918 # EXT8
02919 AR1988/C00010-----
02920 DRAIN-ID-INVDY-----AREHA-A-PEAKMS-TpeakDate_hh:mm-----RWm-R-C-----DWfms
02921 CALIB NASHID 1.0 01:EXT8 .83 .043 Mo_date 2:15 40.18 .499 .000
02922 [CN= 79.0; N= 3.00; Tpr= .42]
02923 #####
02924 # EXT9a
02925 AR1988/C00012-----
02926 DRAIN-ID-INVDY-----AREHA-A-PEAKMS-TpeakDate_hh:mm-----RWm-R-C-----DWfms
02927 CALIB NASHID 1.0 01:EXT9a .01 .003 Mo_date 2:00 39.05 .485 .000
02928 [CN= 78.0; N= 3.00; Tpr= .54]
02929 #####
02930 # EXT9b
02931 AR1988/C00013-----
02932 DRAIN-ID-INVDY-----AREHA-A-PEAKMS-TpeakDate_hh:mm-----RWm-R-C-----DWfms
02933 CALIB NASHID 1.0 01:EXT9b .20 .014 Mo_date 2:16 32.08 .398 .000
02934 [CN= 71.0; N= 3.00; Tpr= .42]
02935 #####
02936 # EXT9c
02937 AR1988/C00014-----
02938 DRAIN-ID-INVDY-----AREHA-A-PEAKMS-TpeakDate_hh:mm-----RWm-R-C-----DWfms
02939 CALIB NASHID 1.0 01:EXT9c .57 .046 Mo_date 2:17 39.06 .485 .000
02940 [CN= 78.0; N= 3.00; Tpr= .54]
02941 #####
02942 # EXT9d
02943 AR1988/C00015-----
02944 DRAIN-ID-INVDY-----AREHA-A-PEAKMS-TpeakDate_hh:mm-----RWm-R-C-----DWfms
02945 CALIB NASHID 1.0 01:EXT9d .83 .043 Mo_date 2:17 32.08 .398 .000
02946 [CN= 71.0; N= 3.00; Tpr= .42]
02947 #####
02948 # EXT9e
02949 AR1988/C00016-----
02950 DRAIN-ID-INVDY-----AREHA-A-PEAKMS-TpeakDate_hh:mm-----RWm-R-C-----DWfms
02951 CALIB NASHID 1.0 01:EXT9e .80 .072 Mo_date 2:10 32.08 .398 .000
02952 [CN= 71.0; N= 3.00; Tpr= .29]
02953 #####
02954 # EXT9f
02955 AR1988/C00017-----
02956 DRAIN-ID-INVDY-----AREHA-A-PEAKMS-TpeakDate_hh:mm-----RWm-R-C-----DWfms
02957 CALIB NASHID 1.0 01:EXT9f .07 .009 Mo_date 2:06 39.06 .485 .000
02958 [CN= 81.0; N= 3.00; Tpr= .71]
02959 #####
02960 # EXT9g
02961 AR1988/C00018-----
02962 DRAIN-ID-INVDY-----AREHA-A-PEAKMS-TpeakDate_hh:mm-----RWm-R-C-----DWfms
02963 CALIB NASHID 1.0 01:EXT9g .28 .035 Mo_date 2:11 47.74 n/a .000
02964 [CN= 81.0; N= 3.00; Tpr= .42]
02965 #####
02966 # EXT9h
02967 AR1988/C00019-----
02968 DRAIN-ID-INVDY-----AREHA-A-PEAKMS-TpeakDate_hh:mm-----RWm-R-C-----DWfms
02969 CALIB NASHID 1.0 01:EXT9h .47 .055 Mo_date 2:17 36.92 n/a .000
02970 [CN= 81.0; N= 3.00; Tpr= .42]
02971 #####
02972 # EXT9i
02973 AR1988/C00020-----
02974 DRAIN-ID-INVDY-----AREHA-A-PEAKMS-TpeakDate_hh:mm-----RWm-R-C-----DWfms
02975 CALIB NASHID 1.0 01:EXT9i .46 .074 Mo_date 2:21 47.4 n/a .000
02976 [CN= 81.0; N= 3.00; Tpr= .42]
02977 #####
02978 # EXT9j
02979 AR1988/C00021-----
02980 DRAIN-ID-INVDY-----AREHA-A-PEAKMS-TpeakDate_hh:mm-----RWm-R-C-----DWfms
02981 CALIB NASHID 1.0 01:EXT9j .59 .046 Mo_date 2:17 36.92 n/a .000
02982 [CN= 81.0; N= 3.00; Tpr= .42]
02983 #####
02984 # EXT9k
02985 AR1988/C00022-----
02986 DRAIN-ID-INVDY-----AREHA-A-PEAKMS-TpeakDate_hh:mm-----RWm-R-C-----DWfms
02987 CALIB NASHID 1.0 01:EXT9k .47 .055 Mo_date 2:11 45.05 n/a .000
02988 [CN= 81.0; N= 3.00; Tpr= .42]
02989 #####
02990 # EXT9l
02991 AR1988/C00023-----
02992 DRAIN-ID-INVDY-----AREHA-A-PEAKMS-TpeakDate_hh:mm-----RWm-R-C-----DWfms
02993 CALIB NASHID 1.0 01:EXT9l .83 .043 Mo_date 2:17 32.08 n/a .000
02994 [CN= 81.0; N= 3.00; Tpr= .42]
02995 #####
02996 # EXT9m
02997 AR1988/C00024-----
02998 DRAIN-ID-INVDY-----AREHA-A-PEAKMS-TpeakDate_hh:mm-----RWm-R-C-----DWfms
02999 CALIB NASHID 1.0 01:EXT9m .01 .003 Mo_date 2:00 39.05 n/a .000
03000 [CN= 78.0; N= 3.00; Tpr= .54]
03001 #####
03002 # EXT9n
03003 AR1988/C00025-----
03004 DRAIN-ID-INVDY-----AREHA-A-PEAKMS-TpeakDate_hh:mm-----RWm-R-C-----DWfms
03005 CALIB NASHID 1.0 01:EXT9n .20 .014 Mo_date 2:16 32.08 n/a .000
03006 [CN= 71.0; N= 3.00; Tpr= .42]
03007 #####
03008 # EXT9o
03009 AR1988/C00026-----
03010 DRAIN-ID-INVDY-----AREHA-A-PEAKMS-TpeakDate_hh:mm-----RWm-R-C-----DWfms
03011 CALIB NASHID 1.0 01:EXT9o .57 .046 Mo_date 2:17 39.06 n/a .000
03012 [CN= 78.0; N= 3.00; Tpr= .54]
03013 #####
03014 # EXT9p
03015 AR1988/C00027-----
03016 DRAIN-ID-INVDY-----AREHA-A-PEAKMS-TpeakDate_hh:mm-----RWm-R-C-----DWfms
03017 CALIB NASHID 1.0 01:EXT9p .83 .043 Mo_date 2:17 32.08 n/a .000
03018 [CN= 71.0; N= 3.00; Tpr= .42]
03019 #####
03020 # EXT9q
03021 AR1988/C00028-----
03022 DRAIN-ID-INVDY-----AREHA-A-PEAKMS-TpeakDate_hh:mm-----RWm-R-C-----DWfms
03023 CALIB NASHID 1.0 01:EXT9q .80 .072 Mo_date 2:10 32.08 n/a .000
03024 [CN= 71.0; N= 3.00; Tpr= .29]
03025 #####
03026 # EXT9r
03027 AR1988/C00029-----
03028 DRAIN-ID-INVDY-----AREHA-A-PEAKMS-TpeakDate_hh:mm-----RWm-R-C-----DWfms
03029 CALIB NASHID 1.0 01:EXT9r .07 .009 Mo_date 2:06 39.06 n/a .000
03030 [CN= 81.0; N= 3.00; Tpr= .71]
03031 #####
03032 # EXT9s
03033 AR1988/C00030-----
03034 DRAIN-ID-INVDY-----AREHA-A-PEAKMS-TpeakDate_hh:mm-----RWm-R-C-----DWfms
03035 CALIB NASHID 1.0 01:EXT9s .28 .035 Mo_date 2:11 47.74 n/a .000
03036 [CN= 81.0; N= 3.00; Tpr= .42]
03037 #####
03038 # EXT9t
03039 AR1988/C00031-----
03040 DRAIN-ID-INVDY-----AREHA-A-PEAKMS-TpeakDate_hh:mm-----RWm-R-C-----DWfms
03041 CALIB NASHID 1.0 01:EXT9t .47 .055 Mo_date 2:17 36.92 n/a .000
03042 [CN= 81.0; N= 3.00; Tpr= .42]
03043 #####
03044 # EXT9u
03045 AR1988/C00032-----
03046 DRAIN-ID-INVDY-----AREHA-A-PEAKMS-TpeakDate_hh:mm-----RWm-R-C-----DWfms
03047 CALIB
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03242# (Vmax= .649;Dmax= .282)
03243# AREHAh-AFEAKcms-TpeakDate_hh:mm--Rvmm-R-C--DWFcms
03243> ROUTE CHANNEL --> 1.0 02:Pre01 .80 .049 Mo_date 3:24 27.1 n/a .000
03244# (RDT= 1.00) out<-- DtnIn-ID-INVD--
03244> (RDT= 1.00) out<-- DtnIn-ID-INVD-- .80 .049 Mo_date 3:27 27.1 n/a .000
03245# (S/r/n= 77.7/776/.035)
03245> ROUTE CHANNEL --> 1.0 02:J2 4.62 .346 Mo_date 1:39 45.79 n/a .000
03246# (Vmax= .421;Dmax= .086)
03246> (S/r/n= 77.7/776/.035) .31 .040 Mo_date 1:39 44.48 n/a .000
03247# AREHAh-AFEAKcms-TpeakDate_hh:mm--Rvmm-R-C--DWFcms
03247> ROUTE CHANNEL --> 1.0 02:Pre9 .83 .030 Mo_date 3:45 27.1 n/a .000
03248# (RDT= 1.00) out<-- DtnIn-ID-INVD--
03248> (RDT= 1.00) out<-- DtnIn-ID-INVD-- .83 .029 Mo_date 3:49 27.1 n/a .000
03250# (S/r/n= 159.7/1576/.035)
03250> (Vmax= .797;Dmax= .282) .31 .040 Mo_date 1:39 44.48 n/a .000
03251# (Vmax= .797;Dmax= .282)
03251> (S/r/n= 159.7/1576/.035) .31 .040 Mo_date 1:39 44.48 n/a .000
03252# AREHAh-AFEAKcms-TpeakDate_hh:mm--Rvmm-R-C--DWFcms
03252> ROUTE CHANNEL --> 1.0 02:J2 4.62 .346 Mo_date 1:39 45.79 n/a .000
03253# AREHAh-AFEAKcms-TpeakDate_hh:mm--Rvmm-R-C--DWFcms
03253> ADD HYD + 1.0 02:R8 .80 .049 Mo_date 3:27 27.9 n/a .000
03254# (RDT= 1.00) out<-- DtnIn-ID-INVD--
03254> (RDT= 1.00) out<-- DtnIn-ID-INVD-- .80 .049 Mo_date 3:27 27.1 n/a .000
03255# (S/r/n= 77.7/776/.035)
03255> ROUTE CHANNEL --> 1.0 02:J2 4.62 .346 Mo_date 1:39 45.79 n/a .000
03256# (Vmax= .421;Dmax= .086)
03256> (S/r/n= 77.7/776/.035) .31 .040 Mo_date 1:39 44.48 n/a .000
03257# AREHAh-AFEAKcms-TpeakDate_hh:mm--Rvmm-R-C--DWFcms
03257> ROUTE CHANNEL --> 1.0 02:Pre11 .92 .087 Mo_date 3:33 28.01 n/a .000
03258# (RDT= 1.00) out<-- DtnIn-ID-INVD--
03258> (RDT= 1.00) out<-- DtnIn-ID-INVD-- .92 .087 Mo_date 3:33 28.01 n/a .000
03259# (S/r/n= 251.1/190/.035)
03259> (Vmax= .541;Dmax= .187) .47 .064 Mo_date 1:21 49.60 n/a .000
03260# (Vmax= .541;Dmax= .187)
03260> (S/r/n= 251.1/190/.035) .47 .064 Mo_date 1:21 49.60 n/a .000
03261# AREHAh-AFEAKcms-TpeakDate_hh:mm--Rvmm-R-C--DWFcms
03261> ROUTE CHANNEL --> 1.0 02:J2 4.62 .346 Mo_date 1:39 45.79 n/a .000
03262# (RDT= 1.00) out<-- DtnIn-ID-INVD--
03262> (RDT= 1.00) out<-- DtnIn-ID-INVD-- .47 .064 Mo_date 1:21 49.60 n/a .000
03263# (S/r/n= 251.1/190/.035)
03263> (Vmax= .541;Dmax= .187) .47 .064 Mo_date 1:21 49.60 n/a .000
03264# (Vmax= .541;Dmax= .187)
03264> (S/r/n= 251.1/190/.035) .47 .064 Mo_date 1:21 49.60 n/a .000
03265# AREHAh-AFEAKcms-TpeakDate_hh:mm--Rvmm-R-C--DWFcms
03265> ROUTE CHANNEL --> 1.0 02:Pre11 .92 .087 Mo_date 3:33 28.01 n/a .000
03266# (RDT= 1.00) out<-- DtnIn-ID-INVD--
03266> (RDT= 1.00) out<-- DtnIn-ID-INVD-- .92 .087 Mo_date 3:33 28.01 n/a .000
03267# (S/r/n= 251.1/190/.035)
03267> (Vmax= .541;Dmax= .187) .47 .064 Mo_date 1:21 49.60 n/a .000
03268# (Vmax= .541;Dmax= .187)
03268> (S/r/n= 251.1/190/.035) .47 .064 Mo_date 1:21 49.60 n/a .000
03269# AREHAh-AFEAKcms-TpeakDate_hh:mm--Rvmm-R-C--DWFcms
03269> ROUTE CHANNEL --> 1.0 02:Pre11 .92 .087 Mo_date 3:33 28.01 n/a .000
03270# (RDT= 1.00) out<-- DtnIn-ID-INVD--
03270> (RDT= 1.00) out<-- DtnIn-ID-INVD-- .92 .087 Mo_date 3:33 28.01 n/a .000
03271# (S/r/n= 251.1/190/.035)
03271> (Vmax= .541;Dmax= .187) .47 .064 Mo_date 1:21 49.60 n/a .000
03272# AREHAh-AFEAKcms-TpeakDate_hh:mm--Rvmm-R-C--DWFcms
03272> ROUTE CHANNEL --> 1.0 02:Pre11 .92 .087 Mo_date 3:33 28.01 n/a .000
03273# (RDT= 1.00) out<-- DtnIn-ID-INVD--
03273> (RDT= 1.00) out<-- DtnIn-ID-INVD-- .92 .087 Mo_date 3:33 28.01 n/a .000
03274# (S/r/n= 251.1/190/.035)
03274> (Vmax= .541;Dmax= .187) .47 .064 Mo_date 1:21 49.60 n/a .000
03275# (Vmax= .541;Dmax= .187)
03275> (S/r/n= 251.1/190/.035) .47 .064 Mo_date 1:21 49.60 n/a .000
03276# AREHAh-AFEAKcms-TpeakDate_hh:mm--Rvmm-R-C--DWFcms
03276> ROUTE CHANNEL --> 1.0 02:Pre11 .92 .087 Mo_date 3:33 28.01 n/a .000
03277# (RDT= 1.00) out<-- DtnIn-ID-INVD--
03277> (RDT= 1.00) out<-- DtnIn-ID-INVD-- .92 .087 Mo_date 3:33 28.01 n/a .000
03278# (S/r/n= 251.1/190/.035)
03278> (Vmax= .541;Dmax= .187) .47 .064 Mo_date 1:21 49.60 n/a .000
03279# (Vmax= .541;Dmax= .187)
03279> (S/r/n= 251.1/190/.035) .47 .064 Mo_date 1:21 49.60 n/a .000
03280# AREHAh-AFEAKcms-TpeakDate_hh:mm--Rvmm-R-C--DWFcms
03280> ROUTE CHANNEL --> 1.0 02:Pre11 .92 .087 Mo_date 3:33 28.01 n/a .000
03281# (RDT= 1.00) out<-- DtnIn-ID-INVD--
03281> (RDT= 1.00) out<-- DtnIn-ID-INVD-- .92 .087 Mo_date 3:33 28.01 n/a .000
03282# (S/r/n= 251.1/190/.035)
03282> (Vmax= .541;Dmax= .187) .47 .064 Mo_date 1:21 49.60 n/a .000
03283# (Vmax= .541;Dmax= .187)
03283> (S/r/n= 251.1/190/.035) .47 .064 Mo_date 1:21 49.60 n/a .000
03284# AREHAh-AFEAKcms-TpeakDate_hh:mm--Rvmm-R-C--DWFcms
03284> ROUTE CHANNEL --> 1.0 02:Pre11 .92 .087 Mo_date 3:33 28.01 n/a .000
03285# (RDT= 1.00) out<-- DtnIn-ID-INVD--
03285> (RDT= 1.00) out<-- DtnIn-ID-INVD-- .92 .087 Mo_date 3:33 28.01 n/a .000
03286# (S/r/n= 251.1/190/.035)
03286> (Vmax= .541;Dmax= .187) .47 .064 Mo_date 1:21 49.60 n/a .000
03287# (Vmax= .541;Dmax= .187)
03287> (S/r/n= 251.1/190/.035) .47 .064 Mo_date 1:21 49.60 n/a .000
03288# AREHAh-AFEAKcms-TpeakDate_hh:mm--Rvmm-R-C--DWFcms
03288> ROUTE CHANNEL --> 1.0 02:Pre11 .92 .087 Mo_date 3:33 28.01 n/a .000
03289# (RDT= 1.00) out<-- DtnIn-ID-INVD--
03289> (RDT= 1.00) out<-- DtnIn-ID-INVD-- .92 .087 Mo_date 3:33 28.01 n/a .000
03290# (S/r/n= 251.1/190/.035)
03290> (Vmax= .541;Dmax= .187) .47 .064 Mo_date 1:21 49.60 n/a .000
03291# (Vmax= .541;Dmax= .187)
03291> (S/r/n= 251.1/190/.035) .47 .064 Mo_date 1:21 49.60 n/a .000
03292# AREHAh-AFEAKcms-TpeakDate_hh:mm--Rvmm-R-C--DWFcms
03292> ROUTE CHANNEL --> 1.0 02:Pre11 .92 .087 Mo_date 3:33 28.01 n/a .000
03293# (RDT= 1.00) out<-- DtnIn-ID-INVD--
03293> (RDT= 1.00) out<-- DtnIn-ID-INVD-- .92 .087 Mo_date 3:33 28.01 n/a .000
03294# (S/r/n= 251.1/190/.035)
03294> (Vmax= .541;Dmax= .187) .47 .
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Attachment B

Post-Development Hydrology



Legend

Post-development Subcatchments

Site Plan

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

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

					Quality Control 1		Overflow		Total	
					Vertical Orifice		Broad Crested Weir			
					Dia (m)	0.075	L (m)	0.300		
					Area (m ²)	0.006	C _w	1.580		
					Invert (m)	93.84				
					Q @ D	0.002	n contr.	2		
Elevation (m)	Storage 1 (m³)	Storage 2 (m³)	Total Volume (m³)	Demarcation Points	Depth (m)	Outflow (m³/s)	Depth (m)	Outflow (m³/s)	Outflow (m³/s)	Storage (ha-m)
93.84		0.0	0.0	Pond Bottom	0.000	0.000	0.000	0.000	0.000	0.000
93.85		0.0	0.0		0.010	0.000	0.000	0.000	0.000	0.000
93.86		0.0	0.0		0.020	0.001	0.000	0.000	0.000	0.001
93.87		0.2	0.2		0.030	0.001	0.000	0.000	0.000	0.001
93.88		0.3	0.3		0.040	0.001	0.000	0.000	0.000	0.001
93.89		0.6	0.6		0.050	0.002	0.000	0.000	0.000	0.002
93.90		0.9	0.9		0.060	0.002	0.000	0.000	0.000	0.002
93.91		1.4	1.4		0.070	0.002	0.000	0.000	0.000	0.002
93.92		1.9	1.9		0.080	0.002	0.000	0.000	0.000	0.002
93.93		2.5	2.5		0.090	0.003	0.000	0.000	0.000	0.003
93.94		3.2	3.2		0.100	0.003	0.000	0.000	0.000	0.003
93.95		4.0	4.0		0.110	0.003	0.000	0.000	0.000	0.003
93.96		4.9	4.9		0.120	0.003	0.000	0.000	0.000	0.003
93.97		5.9	5.9		0.130	0.004	0.000	0.000	0.000	0.004
93.98		6.9	6.9		0.140	0.004	0.000	0.000	0.000	0.004
93.99		8.1	8.1		0.150	0.004	0.000	0.000	0.000	0.004
94.00		9.3	9.3		0.160	0.004	0.000	0.000	0.000	0.004
94.01	0.00	10.6	10.6		0.170	0.004	0.000	0.000	0.000	0.004
94.02	0.01	12.0	12.0		0.180	0.005	0.000	0.000	0.000	0.005
94.03	0.07	13.6	13.6		0.190	0.005	0.000	0.000	0.000	0.005
94.04	0.22	15.2	15.4		0.200	0.005	0.000	0.000	0.000	0.005
94.05	0.47	16.9	17.3		0.210	0.005	0.000	0.000	0.000	0.005
94.06	0.84	18.7	19.5		0.220	0.005	0.000	0.000	0.000	0.005
94.07	1.33	20.5	21.9		0.230	0.005	0.000	0.000	0.000	0.005
94.08	1.92	22.5	24.5		0.240	0.005	0.000	0.000	0.000	0.005
94.09	2.61	24.6	27.2		0.250	0.006	0.000	0.000	0.000	0.006
94.10	3.40	26.8	30.2		0.260	0.006	0.000	0.000	0.000	0.006
94.11	4.29	29.1	33.4		0.270	0.006	0.000	0.000	0.000	0.006
94.12	4.78	31.5	36.3		0.280	0.006	0.000	0.000	0.000	0.006
94.13	5.81	34.0	39.8		0.290	0.006	0.000	0.000	0.000	0.006
94.14	7.03	36.6	43.7		0.300	0.006	0.000	0.000	0.000	0.006
94.15	8.37	39.3	47.7		0.310	0.006	0.000	0.000	0.000	0.006
94.16	9.84	42.0	51.9		0.320	0.006	0.000	0.000	0.000	0.006
94.17	11.35	44.8	56.2		0.330	0.006	0.000	0.000	0.000	0.006
94.18	12.18	47.6	59.8		0.340	0.007	0.000	0.000	0.000	0.007
94.19	14.01	50.5	64.5		0.350	0.007	0.000	0.000	0.000	0.007
94.20	15.95	53.3	69.3		0.360	0.007	0.000	0.000	0.000	0.007
94.21	17.98	56.3	74.2		0.370	0.007	0.000	0.000	0.000	0.007
94.22	20.07	59.2	79.3		0.380	0.007	0.000	0.000	0.000	0.007
94.23	22.21	62.2	84.4		0.390	0.007	0.000	0.000	0.000	0.007
94.24	24.38	65.1	89.5		0.400	0.007	0.000	0.000	0.000	0.007
94.25	26.57	68.2	94.7		0.410	0.007	0.000	0.000	0.000	0.007
94.26	28.78	71.2	100.0		0.420	0.007	0.000	0.000	0.000	0.007
94.27	31.02	74.3	105.3		0.430	0.007	0.000	0.000	0.000	0.007
94.28	33.28	77.4	110.7		0.440	0.008	0.000	0.000	0.000	0.008
94.29	35.57	80.5	116.1		0.450	0.008	0.000	0.000	0.000	0.008
94.30	37.88	83.7	121.6		0.460	0.008	0.000	0.000	0.000	0.008
94.31	40.22	86.9	127.1		0.470	0.008	0.000	0.000	0.000	0.008
94.32	42.58	90.1	132.7		0.480	0.008	0.000	0.000	0.000	0.008
94.33	44.97	93.4	138.3		0.490	0.008	0.000	0.000	0.000	0.008
94.34	47.38	96.7	144.1		0.500	0.008	0.000	0.000	0.000	0.008
94.35	49.82	100.0	149.8		0.510	0.008	0.000	0.000	0.000	0.008
94.36	52.28	103.4	155.7		0.520	0.008	0.000	0.000	0.000	0.008
94.37	54.76	106.8	161.5		0.530	0.008	0.000	0.000	0.000	0.008
94.38	57.27	110.2	167.5		0.540	0.008	0.000	0.000	0.000	0.008
94.39	59.81	113.7	173.5		0.550	0.009	0.000	0.000	0.000	0.009
94.40	62.37	117.2	179.6	Max100-Yr WSE*	0.560	0.009	0.000	0.000	0.009	0.018
94.41	64.96	120.8	185.7		0.570	0.009	0.010	0.000	0.009	0.019
94.42	67.57	124.4	191.9		0.580	0.009	0.020	0.001	0.010	0.019
94.43	70.20	128.0	198.2		0.590	0.009	0.030	0.002	0.011	0.020
94.44	72.87	131.7	204.5		0.600	0.009	0.040	0.004	0.013	0.020
94.45	75.55	135.4	210.9		0.610	0.009	0.050	0.005	0.014	0.021
94.46	78.27	139.1	217.4		0.620	0.009	0.060	0.007	0.016	0.022
94.47	81.00	142.9	223.9		0.630	0.009	0.070	0.008	0.018	0.022
94.48	83.77	146.8	230.5		0.640	0.009	0.080	0.010	0.019	0.023
94.49	86.56	150.7	237.2		0.650	0.009	0.090	0.012	0.021	0.024
94.50	89.37	154.6	244.0		0.660	0.009	0.100	0.014	0.023	0.024
94.51	92.21	158.6	250.8		0.670	0.009	0.110	0.016	0.026	0.025
94.52	95.08	162.6	257.7		0.680	0.010	0.120	0.018	0.028	0.026
94.53	97.97	166.7	264.6		0.690	0.010	0.130	0.020	0.030	0.026
94.54	100.89	170.8	271.7		0.700	0.010	0.140	0.023	0.032	0.027
94.55	103.84	175.0	278.8		0.710	0.010	0.150	0.025	0.035	0.028
94.56	106.81	179.2	286.0		0.720	0.010	0.160	0.027	0.037	0.029
94.57	109.80	183.5	293.3		0.730	0.010	0.170	0.029	0.039	0.029
94.58	112.83	187.8	300.6		0.740	0.010	0.180	0.032	0.042	0.030
94.59	115.87	192.2	308.0		0.750	0.010	0.190	0.034	0.044	0.031
94.60	118.95	196.6	315.5		0.760	0.010	0.200	0.037	0.047	0.032
94.61	120.14	201.1	321.2		0.770	0.010	0.210	0.039	0.049	0.032
94.62	121.36	205.6	327.0		0.780	0.010	0.220	0.042	0.052	0.033
94.63	124.56	210.2	334.8		0.790	0.010	0.230	0.044	0.055	0.033
94.64	125.78	214.9	340.6		0.800	0.010	0.240	0.047	0.057	0.034
94.65	125.81	219.6	345.4		0.810	0.010	0.250	0.049	0.060	0.035
94.66	126.99	224.3	351.3		0.820	0.011	0.260	0.052	0.063	0.035
94.67	128.16	229.2	357.3		0.830	0.011	0.270	0.055	0.065	0.036
94.68	131.44	234.1	365.5		0.840	0.011	0.280	0.057	0.068	0.037
94.69	132.60	239.0	371.6		0.850	0.011	0.290	0.060	0.070	0.037
94.70	132.61	244.0	376.6	Pond Top	0.860	0.011	0.300	0.062	0.073	0.038

*Maximum allowable 100-year water level in the pond - not the simulated 100 year water level

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

					Quality Control 1		Emergency Overflow					
					Vertical Orifice		Broad Crested Weir					
					Dia (m)	0.075	L (m)	0.300				
					Area (m ²)	0.006	C _w	1.580				
					Invert (m)	93.71					Invert (m)	94.40
					C _o	0.61						
Q @ D	0.002	n contr.	2	Total								
Elevation (m)	Storage 3 (m ³)	Storage 4 (m ³)	Total Volume (m ³)	Demarcation Points	Depth (m)	Outflow (m ³ /s)	Depth (m)	Outflow (m ³ /s)	Outflow (m ³ /s)	Storage (ha·m)		
93.71		0.0	0.0	Pond Bottom	0.000	0.000	0.000	0.000	0.000	0.000		
93.72		0.0	0.0		0.010	0.000	0.000	0.000	0.000	0.000		
93.73		0.0	0.0		0.020	0.001	0.000	0.000	0.001	0.000		
93.74		0.1	0.1		0.030	0.001	0.000	0.000	0.001	0.000		
93.75		0.3	0.3		0.040	0.001	0.000	0.000	0.001	0.000		
93.76		0.6	0.6		0.050	0.002	0.000	0.000	0.002	0.000		
93.77		1.0	1.0		0.060	0.002	0.000	0.000	0.002	0.000		
93.78		1.6	1.6		0.070	0.002	0.000	0.000	0.002	0.000		
93.79		2.4	2.4		0.080	0.002	0.000	0.000	0.002	0.000		
93.80		3.3	3.3		0.090	0.003	0.000	0.000	0.003	0.000		
93.81		4.3	4.3		0.100	0.003	0.000	0.000	0.003	0.000		
93.82		5.4	5.4		0.110	0.003	0.000	0.000	0.003	0.001		
93.83		6.6	6.6		0.120	0.003	0.000	0.000	0.003	0.001		
93.84		7.8	7.8		0.130	0.004	0.000	0.000	0.004	0.001		
93.85		9.0	9.0		0.140	0.004	0.000	0.000	0.004	0.001		
93.86		10.2	10.2		0.150	0.004	0.000	0.000	0.004	0.001		
93.87		11.5	11.5		0.160	0.004	0.000	0.000	0.004	0.001		
93.88		12.7	12.7		0.170	0.004	0.000	0.000	0.004	0.001		
93.89		14.0	14.0		0.180	0.005	0.000	0.000	0.005	0.001		
93.90		15.3	15.3		0.190	0.005	0.000	0.000	0.005	0.002		
93.91		16.6	16.6		0.200	0.005	0.000	0.000	0.005	0.002		
93.92		17.9	17.9		0.210	0.005	0.000	0.000	0.005	0.002		
93.93		19.2	19.2		0.220	0.005	0.000	0.000	0.005	0.002		
93.94		20.5	20.5		0.230	0.005	0.000	0.000	0.005	0.002		
93.95		21.9	21.9		0.240	0.005	0.000	0.000	0.005	0.002		
93.96		23.3	23.3		0.250	0.006	0.000	0.000	0.006	0.002		
93.97		24.7	24.7		0.260	0.006	0.000	0.000	0.006	0.002		
93.98		26.1	26.1		0.270	0.006	0.000	0.000	0.006	0.003		
93.99		27.5	27.5		0.280	0.006	0.000	0.000	0.006	0.003		
94.00		28.9	28.9		0.290	0.006	0.000	0.000	0.006	0.003		
94.01		30.4	30.4		0.300	0.006	0.000	0.000	0.006	0.003		
94.02		31.9	31.9		0.310	0.006	0.000	0.000	0.006	0.003		
94.03		33.4	33.4		0.320	0.006	0.000	0.000	0.006	0.003		
94.04		0.0	34.9		34.9	0.330	0.006	0.000	0.000	0.006	0.003	
94.05		0.1	36.5		36.6	0.340	0.007	0.000	0.000	0.007	0.004	
94.06		0.4	38.1		38.4	0.350	0.007	0.000	0.000	0.007	0.004	
94.07		0.8	39.7		40.4	0.360	0.007	0.000	0.000	0.007	0.004	
94.08		1.3	41.3		42.5	0.370	0.007	0.000	0.000	0.007	0.004	
94.09		1.8	42.9		44.7	0.380	0.007	0.000	0.000	0.007	0.004	
94.10		2.5	44.6		47.1	0.390	0.007	0.000	0.000	0.007	0.005	
94.11		3.3	46.3		49.5	0.400	0.007	0.000	0.000	0.007	0.005	
94.12		4.1	48.0		52.1	0.410	0.007	0.000	0.000	0.007	0.005	
94.13		4.5	49.8		54.3	0.420	0.007	0.000	0.000	0.007	0.005	
94.14		5.6	51.5		57.1	0.430	0.007	0.000	0.000	0.007	0.006	
94.15		6.7	53.3		60.1	0.440	0.008	0.000	0.000	0.008	0.006	
94.16		8.0	55.2		63.2	0.450	0.008	0.000	0.000	0.008	0.006	
94.17		8.5	57.0		65.5	0.460	0.008	0.000	0.000	0.008	0.007	
94.18		10.0	58.9		68.9	0.470	0.008	0.000	0.000	0.008	0.007	
94.19		11.6	60.8		72.4	0.480	0.008	0.000	0.000	0.008	0.007	
94.20		13.3	62.8		76.1	0.490	0.008	0.000	0.000	0.008	0.008	
94.21		15.1	64.8		79.9	0.500	0.008	0.000	0.000	0.008	0.008	
94.22		17.0	66.8		83.8	0.510	0.008	0.000	0.000	0.008	0.008	
94.23		19.1	68.8		87.9	0.520	0.008	0.000	0.000	0.008	0.009	
94.24		21.1	70.9		92.0	0.530	0.008	0.000	0.000	0.008	0.009	
94.25		23.2	73.0		96.3	0.540	0.008	0.000	0.000	0.008	0.010	
94.26		25.4	75.2		100.5	0.550	0.009	0.000	0.000	0.009	0.010	
94.27		27.5	77.3		104.9	0.560	0.009	0.000	0.000	0.009	0.010	
94.28		29.7	79.6		109.3	0.570	0.009	0.000	0.000	0.009	0.011	
94.29		31.9	81.8		113.7	0.580	0.009	0.000	0.000	0.009	0.011	
94.30		34.1	84.1		118.2	0.590	0.009	0.000	0.000	0.009	0.012	
94.31		36.4	86.4		122.8	0.600	0.009	0.000	0.000	0.009	0.012	
94.32		38.7	88.8		127.4	0.610	0.009	0.000	0.000	0.009	0.013	
94.33		41.0	91.2		132.2	0.620	0.009	0.000	0.000	0.009	0.013	
94.34		43.3	93.6		136.9	0.630	0.009	0.000	0.000	0.009	0.014	
94.35		45.7	96.1		141.8	0.640	0.009	0.000	0.000	0.009	0.014	
94.36		48.1	98.6		146.7	0.650	0.009	0.000	0.000	0.009	0.015	
94.37		50.5	101.2		151.7	0.660	0.009	0.000	0.000	0.009	0.015	
94.38		52.9	103.8		156.7	0.670	0.009	0.000	0.000	0.009	0.016	
94.39		55.4	106.5		161.9	0.680	0.010	0.000	0.000	0.010	0.016	
94.40	57.9	109.2	167.1	Max 100-Yr WSE*	0.690	0.010	0.000	0.000	0.010	0.017		
94.41	60.4	112.0	172.4		0.700	0.010	0.010	0.000	0.010	0.017		
94.42	62.9	114.8	177.8		0.710	0.010	0.020	0.001	0.011	0.018		
94.43	65.5	117.7	183.2		0.720	0.010	0.030	0.002	0.012	0.018		
94.44	68.1	119.9	188.0		0.730	0.010	0.040	0.004	0.014	0.019		
94.46	73.4	123.9	197.3		0.750	0.010	0.060	0.007	0.017	0.020		
94.48	78.8	127.6	206.4		0.770	0.010	0.080	0.010	0.020	0.021		
94.50	84.3	131.3	215.6		0.790	0.010	0.100	0.014	0.024	0.022		
94.52	89.9	134.8	224.6		0.810	0.010	0.120	0.018	0.029	0.022		
94.54	95.6	137.6	233.3		0.830	0.011	0.140	0.023	0.033	0.023		
94.56	101.4	138.5	239.9		0.850	0.011	0.160	0.027	0.038	0.024		
94.58	107.4	140.7	248.1		0.870	0.011	0.180	0.032	0.043	0.025		
94.60	113.4	143.7	257.1		0.890	0.011	0.200	0.037	0.048	0.026		
94.62	115.8	146.0	261.8		0.910	0.011	0.220	0.042	0.053	0.026		
94.64	120.2	149.7	269.9		0.930	0.011	0.240	0.047	0.058	0.027		
94.66	121.4	152.7	274.1		0.950	0.011	0.260	0.052	0.063	0.027		
94.68	125.8	155.8	281.6		0.970	0.012	0.280	0.057	0.069	0.028		
94.70	127.0	158.0	285.0	Pond Top	0.990	0.012	0.300	0.062	0.074	0.028		

*Maximum allowable 100-year water level in the pond

Table B3: Rooftop Storage-Outflow Curve for Site 1 Facility (Free Outfall Conditions)

Usable Roof Area (m²)	488				
Type of Control Device	Watts Drainage - Accutrol Weir				
Number of drains	4				
Storage Depth	Individual flow	Cumulative Flow	Volume	Outflow	Storage
(mm)	(L/s)	(L/S)	(m³)	(m³/s)	(ha·m)
0	0	0	0.000	0.00000	0.00000
5	0.06	0.25	0.810	0.00025	0.00008
10	0.13	0.5	1.630	0.00050	0.00016
15	0.19	0.76	2.440	0.00076	0.00024
20	0.25	1.01	3.260	0.00101	0.00033
25	0.32	1.26	4.070	0.00126	0.00041
30	0.38	1.51	4.880	0.00151	0.00049
35	0.44	1.77	5.700	0.00177	0.00057
40	0.5	2.02	6.510	0.00202	0.00065
45	0.57	2.27	7.330	0.00227	0.00073
50	0.63	2.52	8.140	0.00252	0.00081
55	0.69	2.78	8.960	0.00278	0.00090
60	0.76	3.03	9.770	0.00303	0.00098
65	0.82	3.28	10.580	0.00328	0.00106
70	0.88	3.53	11.400	0.00353	0.00114
75	0.95	3.79	12.210	0.00379	0.00122
80	1.01	4.04	13.030	0.00404	0.00130
85	1.07	4.29	13.840	0.00429	0.00138
90	1.14	4.54	14.650	0.00454	0.00147
95	1.2	4.79	15.470	0.00479	0.00155
100	1.26	5.05	16.280	0.00505	0.00163
105	1.32	5.3	17.100	0.00530	0.00171
110	1.39	5.55	17.910	0.00555	0.00179
115	1.45	5.8	18.730	0.00580	0.00187
120	1.51	6.06	19.540	0.00606	0.00195
125	1.58	6.31	20.350	0.00631	0.00204
130	1.64	6.56	21.170	0.00656	0.00212
135	1.7	6.81	21.980	0.00681	0.00220
140	1.77	7.07	22.800	0.00707	0.00228
145	1.83	7.32	23.610	0.00732	0.00236
150	1.89	7.57	24.420	0.00757	0.00244

Table B4: Rooftop Storage-Outflow Curve for Site 2 Facility (Free Outfall Conditions)

Usable Roof Area (m²)	694				
Type of Control Device	Watts Drainage - Accutrol Weir				
Number of drains	6				
Storage Depth	Individual flow	Cumulative Flow	Volume	Outflow	Storage
(mm)	(L/s)	(L/S)	(m³)	(m³/s)	(ha·m)
0	0	0	0.000	0.00000	0.0000
5	0.06	0.38	1.160	0.00038	0.0001
10	0.13	0.76	2.310	0.00076	0.0002
15	0.19	1.14	3.470	0.00114	0.0003
20	0.25	1.51	4.630	0.00151	0.0005
25	0.32	1.89	5.790	0.00189	0.0006
30	0.38	2.27	6.940	0.00227	0.0007
35	0.44	2.65	8.100	0.00265	0.0008
40	0.5	3.03	9.260	0.00303	0.0009
45	0.57	3.41	10.410	0.00341	0.0010
50	0.63	3.79	11.570	0.00379	0.0012
55	0.69	4.16	12.730	0.00416	0.0013
60	0.76	4.54	13.880	0.00454	0.0014
65	0.82	4.92	15.040	0.00492	0.0015
70	0.88	5.3	16.200	0.00530	0.0016
75	0.95	5.68	17.360	0.00568	0.0017
80	1.01	6.06	18.510	0.00606	0.0019
85	1.07	6.44	19.670	0.00644	0.0020
90	1.14	6.81	20.830	0.00681	0.0021
95	1.2	7.19	21.980	0.00719	0.0022
100	1.26	7.57	23.140	0.00757	0.0023
105	1.32	7.95	24.300	0.00795	0.0024
110	1.39	8.33	25.450	0.00833	0.0025
115	1.45	8.71	26.610	0.00871	0.0027
120	1.51	9.08	27.770	0.00908	0.0028
125	1.58	9.46	28.930	0.00946	0.0029
130	1.64	9.84	30.080	0.00984	0.0030
135	1.7	10.22	31.240	0.01022	0.0031
140	1.77	10.6	32.400	0.01060	0.0032
145	1.83	10.98	33.550	0.01098	0.0034
150	1.89	11.36	34.710	0.01136	0.0035

```

20      Metric units / ID numbers OFF
*#*****
***
*#  SWMHYMO  / INPUT DATA FILE
*#*****
***
*#  Project Name   : [5923 Ottawa St]
*#  Project Number: [P2710(e01)]
*#  Date          : [2025 April 28]
*#  Modeller      : [MM]
*#  Company       : JFSA Canada Inc.
*#  License #     : 2549237
*#*****
***
*# Model developed to simulate runoff from subcatchments under post development conditions
*#*****
***
*%  25 mm Storm based on 2-Year, 3-Hour Chicago Storm
START      TZERO=[0.0],  METOUT=[2],  NSTORM=[1],  NRUN=[002]
           ["002YC3H.stm"] <--storm filename, one per line for NSTORM time
*%-----|-----
READ STORM      STORM_FILENAME=["STORM.001"]
*%-----|-----
*#*****
***
*%-----|-----
DEFAULT VALUES      ICASEdef=[1],  read values only
                     DEFVAL_FILENAME=["Ottawa.val"]
*%-----|-----
*#*****
***
*#  EXT1
*#*****
***
CALIB NASHYD      NHYD=["EXT1"],  DT[1] (min),  AREA=[3.211] (ha),
                  DWF=[0] (cms),  CN=[80],
                  IA=[4.67] (mm),  N=[3],  TP[0.72] (hrs),
                  RAINFALL[ , , -1]
*#*****
***
*#  EXT2
*#*****
***
CALIB NASHYD      NHYD=["EXT2"],  DT[1] (min),  AREA=[0.285] (ha),
                  DWF=[0] (cms),  CN=[85],
                  IA=[4.67] (mm),  N=[3],  TP[0.33] (hrs),
                  RAINFALL[ , , -1]
*#*****
***
*#  EXT3
*#*****
***
CALIB NASHYD      NHYD=["EXT3"],  DT[1] (min),  AREA=[0.560] (ha),
                  DWF=[0] (cms),  CN=[80],
                  IA=[4.67] (mm),  N=[3],  TP[0.32] (hrs),
                  RAINFALL[ , , -1]
*#*****
***
*#  EXT4
*#*****
***
CALIB NASHYD      NHYD=["EXT4"],  DT[1] (min),  AREA=[0.309] (ha),
                  DWF=[0] (cms),  CN=[79],
                  IA=[4.67] (mm),  N=[3],  TP[0.29] (hrs),
                  RAINFALL[ , , -1]
*#*****
***
*#  EXT5
*#*****

```

```
***
CALIB NASHYD      NHYD=["EXT5"], DT[1] (min), AREA=[0.594] (ha),
                  DWF=[0] (cms), CN=[76],
                  IA=[4.67] (mm), N=[3], TP[0.45] (hrs),
                  RAINFALL[ , , -1]
*#####
***
*# EXT6
*#####
***
CALIB NASHYD      NHYD=["EXT6"], DT[1] (min), AREA=[0.864] (ha),
                  DWF=[0] (cms), CN=[85],
                  IA=[4.67] (mm), N=[3], TP[0.56] (hrs),
                  RAINFALL[ , , -1]
*#####
***
*# EXT7
*#####
***
CALIB NASHYD      NHYD=["EXT7"], DT[1] (min), AREA=[0.471] (ha),
                  DWF=[0] (cms), CN=[83],
                  IA=[4.67] (mm), N=[3], TP[0.32] (hrs),
                  RAINFALL[ , , -1]
*#####
***
*# EXT8
*#####
***
CALIB NASHYD      NHYD=["EXT8"], DT[1] (min), AREA=[0.834] (ha),
                  DWF=[0] (cms), CN=[79],
                  IA=[4.67] (mm), N=[3], TP[0.42] (hrs),
                  RAINFALL[ , , -1]
*#####
***
*# EXT9
*#####
***
CALIB NASHYD      NHYD=["EXT9"], DT[1] (min), AREA=[3.571] (ha),
                  DWF=[0] (cms), CN=[76],
                  IA=[4.67] (mm), N=[3], TP[0.48] (hrs),
                  RAINFALL[ , , -1]
*#####
***
*# EXT9a
*#####
***
CALIB NASHYD      NHYD=["EXT9a"], DT[1] (min), AREA=[0.011] (ha),
                  DWF=[0] (cms), CN=[78],
                  IA=[4.67] (mm), N=[3], TP[0.04] (hrs),
                  RAINFALL[ , , -1]
*#####
***
*# EXT10
*#####
***
CALIB NASHYD      NHYD=["EXT10"], DT[1] (min), AREA=[0.203] (ha),
                  DWF=[0] (cms), CN=[71],
                  IA=[4.67] (mm), N=[3], TP[0.42] (hrs),
                  RAINFALL[ , , -1]
*#####
***
*# Pre2_1
*#####
***
CALIB NASHYD      NHYD=["Pre2_1"], DT[1] (min), AREA=[0.013] (ha),
                  DWF=[0] (cms), CN=[72],
                  IA=[4.67] (mm), N=[3], TP[0.03] (hrs),
                  RAINFALL[ , , -1]
*#####
```

[illegible]

NHYDovf= ["S1-Roof-Over"] ,

* $\frac{0}{0}$ ----- | -----

ROUTE RESERVOIR NYHDout=["SITE1-Out"], NYHDin=["SITE1-IN"], RDT=[1] (min),

(cms) - (ha-m)

```
[ 0.00000 , 0 ]
[ 0.00062 , 0 ]
[ 0.00154 , 0.00006 ]
[ 0.00246 , 0.00019 ]
[ 0.00321 , 0.0004 ]
[ 0.00382 , 0.00069 ]
[ 0.00435 , 0.00106 ]
[ 0.00481 , 0.00154 ]
[ 0.00524 , 0.00219 ]
[ 0.00563 , 0.00302 ]
[ 0.006 , 0.00398 ]
[ 0.00634 , 0.00519 ]
[ 0.00667 , 0.00645 ]
[ 0.00699 , 0.00793 ]
[ 0.00729 , 0.00947 ]
[ 0.00757 , 0.01107 ]
[ 0.00785 , 0.01271 ]
[ 0.00812 , 0.01441 ]
[ 0.00838 , 0.01615 ]
[ 0.00863 , 0.01796 ]
[ 0.01129 , 0.01982 ]
[ 0.0158 , 0.02174 ]
[ 0.02137 , 0.02372 ]
[ 0.0277 , 0.02577 ]
[ 0.03457 , 0.02788 ]
[ 0.04186 , 0.03006 ]
[ 0.04945 , 0.03212 ]
[ 0.05724 , 0.03406 ]
[ 0.06516 , 0.03573 ]
[ 0.07313 , 0.03766 ]
```

```

[ -1 , -1 ]
NHYPovf=["SITE1-Over"],
*%-----|-----|-----
*#*****
***
*# Site 2
*#*****
***
DESIGN STANDHYD      NHYD=["S2-B3"], DT=[1] (min), AREA=[0.357] (ha),
                     XIMP=[0.31], TIMP=[0.41], DWF=[0] (cms),
                     LOSS=[1], SLOPE=[1.0] (%), RAINFALL=[ , , -1] (mm/hr)
*#*****
***
*# Site 2 - Roof
*#*****
***
DESIGN STANDHYD      NHYD=["S2-Roof"], DT=[1] (min), AREA=[0.093] (ha),
                     XIMP=[0.99], TIMP=[0.99], DWF=[0] (cms),
                     LOSS=[1], SLOPE=[0.5] (%), RAINFALL=[ , , -1] (mm/hr)
*#*****
***
* Rooftop Storage-Outflow Curve for site 2 Facility - Updated March 2026 Per EGIS Report
ROUTE RESERVOIR      NHYPout=["S2-Roof-Out"], NHYPin=["S2-Roof"], RDT=[1] (min),
                     TABLE of ( OUTFLOW-STORAGE ) values
                           (cms) - (ha-m)
                           [ 0 , 0 ]
                           [ 0.00038 , 0.000116 ]
                           [ 0.00076 , 0.000231 ]
                           [ 0.00114 , 0.000347 ]
                           [ 0.00151 , 0.000463 ]
                           [ 0.00189 , 0.000579 ]
                           [ 0.00227 , 0.000694 ]
                           [ 0.00265 , 0.00081 ]
                           [ 0.00303 , 0.000926 ]
                           [ 0.00341 , 0.001041 ]
                           [ 0.00379 , 0.001157 ]
                           [ 0.00416 , 0.001273 ]
                           [ 0.00454 , 0.001388 ]
                           [ 0.00492 , 0.001504 ]
                           [ 0.0053 , 0.00162 ]
                           [ 0.00568 , 0.001736 ]
                           [ 0.00606 , 0.001851 ]
                           [ 0.00644 , 0.001967 ]
                           [ 0.00681 , 0.002083 ]
                           [ 0.00719 , 0.002198 ]
                           [ 0.00757 , 0.002314 ]
                           [ 0.00795 , 0.00243 ]
                           [ 0.00833 , 0.002545 ]
                           [ 0.00871 , 0.002661 ]
                           [ 0.00908 , 0.002777 ]
                           [ 0.00946 , 0.002893 ]
                           [ 0.00984 , 0.003008 ]
                           [ 0.01022 , 0.003124 ]
                           [ 0.0106 , 0.00324 ]
                           [ 0.01098 , 0.003355 ]
                           [ 0.01136 , 0.003471 ]
                           [ -1 , -1 ]
                           NHYPovf=["S2-Roof-Over"],
*%-----|-----|-----
ADD HYD              NHYPsum=["SITE2-IN"], NHYPs to add=["S2-B3"+"S2-Roof-Out"+"S2-Roof-Over"]
*%-----|-----|-----
* Pond for Site 2: Stage-Storage-Outflow
ROUTE RESERVOIR      NHYPout=["SITE2-Out"], NHYPin=["SITE2-IN"], RDT=[1] (min),
                     TABLE of ( OUTFLOW-STORAGE
                           (cms) - (ha-m)
                           [ 0 , 0 ]
                           [ 0.0012 , 0.00003 ]
                           [ 0.0022 , 0.00016 ]

```

```

[ 0.003 , 0.00043 ]
[ 0.0036 , 0.00078 ]
[ 0.0042 , 0.00115 ]
[ 0.0047 , 0.00153 ]
[ 0.0051 , 0.00192 ]
[ 0.0055 , 0.00233 ]
[ 0.0059 , 0.00275 ]
[ 0.0062 , 0.00319 ]
[ 0.0066 , 0.00366 ]
[ 0.0069 , 0.00425 ]
[ 0.0072 , 0.00495 ]
[ 0.0075 , 0.00571 ]
[ 0.0078 , 0.00655 ]
[ 0.008 , 0.00761 ]
[ 0.0083 , 0.00879 ]
[ 0.0085 , 0.01005 ]
[ 0.0088 , 0.01137 ]
[ 0.009 , 0.01274 ]
[ 0.0093 , 0.01418 ]
[ 0.0095 , 0.01567 ]
[ 0.0102 , 0.01724 ]
[ 0.0136 , 0.0188 ]
[ 0.0243 , 0.02156 ]
[ 0.0379 , 0.02399 ]
[ 0.0529 , 0.02618 ]
[ 0.0686 , 0.02816 ]
[ 0.0846 , 0.02879 ]
[ 0.1002 , 0.02887 ]
[ 0.1151 , 0.02893 ]
[ 0.129 , 0.02896 ]
[ 0.1417 , 0.029 ]
[ -1 , -1 ]

```

```
NHYDovf=["SITE2-Over"],
```

```

*%-----|-----
ADD HYD    NHYDsum=["Site1"], NHYDs to add=["SITE1-Out"+"SITE1-Over"]
*%-----|-----
ADD HYD    NHYDsum=["Site2"], NHYDs to add=["SITE2-Out"+"SITE2-Over"]
*%-----|-----
ADD HYD    NHYDsum=["J1"], NHYDs to add=["EXT2"+"Pre2_1"+"Site1"+"Site2"]
*%-----|-----

```

```
* NOTE: Cross-section number 849.0434 is taken from HEC-RAS Model
```

```

ROUTE CHANNEL    NHYDout=["R1"], NHYDin=["J1"], RDT=[1] (min),
                  CHLGTH=[143.151] (m), CHSLOPE=[0.394] (%), FPSLOPE=[0.394] (%),
                  SECNUM=[849.0434], NSEG=[3],
                  ( SEGROUGH, SEGDIST (m))=[0.08,18.95 -0.035,26.78 0.08,35.18] NSEG times
                  ( DISTANCE (m), ELEVATION (m))=[0.48, 94.05]
                                                    [3.19, 93.99]
                                                    [6.85, 93.91]
                                                    [10.48, 93.87]
                                                    [17.45, 93.85]
                                                    [18.95, 93.84]
                                                    [20.36, 93.81]
                                                    [22.3, 93.76]
                                                    [22.53, 93.72]
                                                    [23.98, 93.35]
                                                    [24.35, 93.33]
                                                    [24.65, 93.37]
                                                    [25.04, 93.45]
                                                    [26.04, 93.74]
                                                    [26.44, 93.82]
                                                    [26.78, 93.87]
                                                    [29.14, 94.11]
                                                    [33.98, 94.26]
                                                    [35.18, 94.26]

```

```

*%-----|-----
ADD HYD    NHYDsum=["J2"], NHYDs to add=["R1"+"EXT3"+"EXT1"]
*%-----|-----

```

```
* NOTE: Cross-section number 737.5813 is taken from HEC-RAS Model
```

```
ROUTE CHANNEL    NHYDout=["R2"], NHYDin=["J2"], RDT=[1] (min),
```

```

CHLGTH=[73.338] (m), CHSLOPE=[0.425] (%), FPSLOPE=[0.425] (%),
SECNUM=[737.5813], NSEG=[3],
  ( SEGROUGH, SEGDIST (m))=[0.08,8.4 -0.035,16.42 0.08,22.6] NSEG times
  ( DISTANCE (m), ELEVATION (m))=[0, 93.52]
    [1.08, 93.5]
    [4.37, 93.48]
    [6.31, 93.45]
    [8.4, 93.38]
    [9.5, 93.31]
    [10.49, 93.23]
    [10.99, 93.18]
    [12.4, 92.94]
    [13.11, 92.84]
    [13.67, 92.92]
    [16.42, 93.6]
    [16.91, 93.65]
    [17.97, 93.65]
    [19, 93.83]
    [19.51, 93.89]
    [21.06, 93.94]
    [22.6, 93.95]

```

```

*%-----|-----
ADD HYD    NHYDsum=["J3"], NHYDs to add=["R2"+"EXT4"]
*%-----|-----

```

```

* NOTE: Cross-section number 675.4097 is taken from HEC-RAS Model
ROUTE CHANNEL NHYDout=["R3"], NHYDin=["J3"], RDT=[1] (min),
CHLGTH=[92.08] (m), CHSLOPE=[0.274] (%), FPSLOPE=[0.274] (%),
SECNUM=[675.4097], NSEG=[3],
  ( SEGROUGH, SEGDIST (m))=[0.08,31.64 -0.035,42.44 0.08,48.87] NSEG times
  ( DISTANCE (m), ELEVATION (m))=[30.59, 93.12]
    [31.64, 93.13]
    [34.35, 93.08]
    [35.18, 93.03]
    [37.78, 92.72]
    [38.25, 92.64]
    [38.7, 92.61]
    [39.74, 92.76]
    [42.44, 93.41]
    [42.89, 93.49]
    [43.97, 93.57]
    [44.92, 93.6]
    [46.07, 93.67]
    [48.87, 93.74]

```

```

*%-----|-----
ADD HYD    NHYDsum=["J4"], NHYDs to add=["R3"+"EXT5"]
*%-----|-----

```

```

* NOTE: Cross-section number 518.7506 is taken from HEC-RAS Model
ROUTE CHANNEL NHYDout=["R4"], NHYDin=["J4"], RDT=[1] (min),
CHLGTH=[251.495] (m), CHSLOPE=[0.19] (%), FPSLOPE=[0.19] (%),
SECNUM=[518.7506], NSEG=[3],
  ( SEGROUGH, SEGDIST (m))=[0.08,51.48 -0.035,59.39 0.08,66.4] NSEG times
  ( DISTANCE (m), ELEVATION (m))=[0, 92.92]
    [4.26, 92.9]
    [48.31, 92.76]
    [51.48, 92.76]
    [53.64, 92.7]
    [55.33, 92.29]
    [55.44, 92.29]
    [56.43, 92.37]
    [56.97, 92.43]
    [59.39, 93.27]
    [59.74, 93.37]
    [60.8, 93.52]
    [63.31, 93.71]
    [66.4, 93.76]

```

```

*%-----|-----
ADD HYD    NHYDsum=["J5"], NHYDs to add=["R4"+"EXT6"+"EXT7"]
*%-----|-----

```

```

* NOTE: Cross-section number 275.0857 is taken from HEC-RAS Model

```

```

ROUTE CHANNEL      NHYDout=["R5"], NHYDin=["J5"], RDT=[1] (min),
                   CHLGTH=[237.343] (m), CHSLOPE=[0.644] (%), FPSLOPE=[0.644] (%),
                   SECNUM=[275.0857], NSEG=[3],
                   ( SEGROUGH, SEGDIST (m))=[0.08,40.82 -0.035,53.64 0.08,57.93] NSEG times
                   ( DISTANCE (m), ELEVATION (m))=[36.16, 92.63]
                                     [40.82, 92.97]
                                     [41.39, 92.9]
                                     [44.69, 91.72]
                                     [45.24, 91.58]
                                     [46.33, 91.43]
                                     [47.41, 91.64]
                                     [47.87, 91.75]
                                     [49.59, 92.2]
                                     [50.99, 92.36]
                                     [51.44, 92.48]
                                     [53.18, 92.98]
                                     [53.64, 93.15]
                                     [55.92, 93.66]
                                     [57.93, 93.68]

*%-----|-----
ADD HYD      NHYDsum=["Pre"], NHYDs to add=["Pre10_1"+"Pre9_2"+"Pre2_2"]
*%-----|-----
* NOTE: Cross-section number 124 is taken from HEC-RAS Model
ROUTE CHANNEL      NHYDout=["R6"], NHYDin=["Pre"], RDT=[1] (min),
                   CHLGTH=[77.414] (m), CHSLOPE=[0.776] (%), FPSLOPE=[0.776] (%),
                   SECNUM=[124], NSEG=[3],
                   ( 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]

*%-----|-----
* NOTE: Cross-section number 74 is taken from HEC-RAS Model
ROUTE CHANNEL      NHYDout=["R7"], NHYDin=["Pre9_1"], RDT=[1] (min),
                   CHLGTH=[159.151] (m), CHSLOPE=[1.576] (%), FPSLOPE=[1.576] (%),
                   SECNUM=[74], NSEG=[3],
                   ( 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]
*%-----|-----
ADD HYD      NHYDsum=["J6"], NHYDs to add=["R6"+"EXT10"+"Pre11_1"+"EXT9a"]
*%-----|-----
* NOTE: Cross-section number 49 is taken from HEC-RAS Model
ROUTE CHANNEL NHYDout=["R8"], NHYDin=["J6"], RDT=[1] (min),
CHLGTH=[78.801] (m), CHSLOPE=[0.522] (%), FPSLOPE=[0.522] (%),
SECNUM=[49], NSEG=[3],
( 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]
*%-----|-----
ADD HYD      NHYDsum=["J7"], NHYDs to add=["R8"+"R7"]
*%-----|-----
* NOTE: Cross-section number 7 is taken from HEC-RAS Model
ROUTE CHANNEL NHYDout=["R9"], NHYDin=["J7"], RDT=[1] (min),
CHLGTH=[29.445] (m), CHSLOPE=[0.887] (%), FPSLOPE=[0.887] (%),
SECNUM=[7], NSEG=[3],
( 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]
*%-----|-----
ADD HYD      NHYDsum=["J8"], NHYDs to add=["EXT9"+"R9"+"EXT8"+"R5"]
*%-----|-----
* Note: The pipe needs to be adjusted based on the Culvert-under-railway information
ROUTE PIPE    PTYPE=[1]circ, NHYDout=["Outlet"], RNUMBER=[1.0],
PDIAM=[525] (mm), PLNGTH=[8.407] (m), PROUGH=[0.013], PSLOPE=[0.0001] (m/m),
NHYDin=["J8"], RDT=[1] (min)
*%-----|-----
*#####
*# STORMS
*#####
*% 2-Year, 3-Hour Chicago Storm
*START        TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[002]
*              ["002YC3H.stm"] <--storm filename, one per line for NSTORM time
*%-----|-----
*% 5-Year, 3-Hour Chicago Storm
START        TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[005]

```

```

[ "005YC3H.stm" ] <--storm filename, one per line for NSTORM time
*%-----|-----|
*% 10-Year, 3-Hour Chicago Storm
START      TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[010]
[ "010YC3H.stm" ] <--storm filename, one per line for NSTORM time
*%-----|-----|
*% 25-Year, 3-Hour Chicago Storm
START      TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[025]
[ "025YC3H.stm" ] <--storm filename, one per line for NSTORM time
*%-----|-----|
*% 50-Year, 3-Hour Chicago Storm
START      TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[050]
[ "050YC3H.stm" ] <--storm filename, one per line for NSTORM time
*%-----|-----|
*% 100-Year, 3-Hour Chicago Storm
START      TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[099]
[ "100YC3H.stm" ] <--storm filename, one per line for NSTORM time
*%-----|-----|
*% 2-Year, 24-Hour SCS Storm
START      TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[102]
[ "SC24002x.stm" ] <--storm filename, one per line for NSTORM time
*%-----|-----|
*% 5-Year, 24-Hour SCS Storm
START      TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[105]
[ "SC24005x.stm" ] <--storm filename, one per line for NSTORM time
*%-----|-----|
*% 10-Year, 24-Hour SCS Storm
START      TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[110]
[ "SC24010x.stm" ] <--storm filename, one per line for NSTORM time
*%-----|-----|
*% 25-Year, 24-Hour SCS Storm
START      TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[125]
[ "SC24025x.stm" ] <--storm filename, one per line for NSTORM time
*%-----|-----|
*% 50-Year, 24-Hour SCS Storm
START      TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[150]
[ "SC24050x.stm" ] <--storm filename, one per line for NSTORM time
*%-----|-----|
*% 100-Year, 24-Hour SCS Storm
START      TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[199]
[ "SC24100x.stm" ] <--storm filename, one per line for NSTORM time
*%-----|-----|
*% July 1st, 1979 Storm - Ottawa International Airport
START      TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[1979]
[ "19790701.stm" ] <--storm filename, one per line for NSTORM time
*%-----|-----|
*% August 4th, 1988 Storm - Ottawa International Airport
START      TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[1988]
[ "19880804.stm" ] <--storm filename, one per line for NSTORM time
*%-----|-----|
*% August 8th, 1996 Storm - Ottawa International Airport
START      TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[1996]
[ "19960808.stm" ] <--storm filename, one per line for NSTORM time
*%-----|-----|
*% 100-Year, 3-Hour Chicago Storm + 20%
START      TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[9999]
[ "100YC3H+.STM" ] <--storm filename, one per line for NSTORM time
*%-----|-----|
FINISH

```

Page 0

```
00361 [I/S/m= 79./ .522/.035]
00362 (Vmax= 423.0max=.016)
00363 R0002:C00048-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00364 ADD HYD + 1.0 02:28 1.10 .016 No_date 4.41 6.00 n/a .000
00365 + 1.0 02:28 .84 .017 No_date 4.37 5.88 n/a .000
00366 SUM= 1.0 01:27 1.53 .020 No_date 1.30 5.96 n/a .000
00367 R0002:C00049-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00368 ROUTE CHANNEL -> 1.0 02:27 1.53 .020 No_date 1.30 5.96 n/a .000
00369 [RDT=1.00] out-> 1.0 01:89 1.53 .020 No_date 1.31 5.96 n/a .000
00370 [I/S/m= 29./ .887/.035]
00371 (Vmax= .543.0max=.013)
00372 R0002:C00050-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00373 ADD HYD + 1.0 02:1X79 3.57 .045 No_date 1.38 6.88 n/a .000
00374 + 1.0 02:89 1.53 .020 No_date 1.31 6.02 n/a .000
00375 + 1.0 02:87 .83 .013 No_date 1.37 7.81 n/a .000
00376 + 1.0 02:85 7.24 .084 No_date 2.05 9.48 n/a .000
00377 SUM= 1.0 01:28 13.18 .146 No_date 1.52 8.27 n/a .000
00378 R0002:C00051-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00379 ROUTE PIPE -> 1.0 02:28 13.18 .146 No_date 1.52 8.27 n/a .000
00380 * [RDT=1.00] out-> 1.0 01:01 outlet 13.18 .146 No_date 1.53 8.27 n/a .000
00381 [I/S/m= 8./ .010/.013]
00382 (Vmax= .307.0max=.082)
00383 [Dine=.53.0Dused=.83]
00384 #####
00385 # STORM
00386 #####
00387 ** END OF RUN : 4
00388
00389
00390
00391
00392
00393
00394
00395 RUN#COMMAND#
00396 R0005:C0001-----
00397 START
00398 [TZERO= .00 hrs on 0]
00399 [METOUT= 2 (1=Imperial, 2=metric output)]
00400 [METFORM= 1]
00401 [INUN= 0005]
00402
00403 # SWHYNO / INPUT DATA FILE
00404
00405 # Project Name : [5923 Ottawa St]
00406 # Project Number: [P2710(01)]
00407 # Date : [2025 April 28]
00408 # Modeller : [NM]
00409 # Company : JFSA Canada Inc.
00410 # License # : 254927
00411 *****
00412 # Model develops data from subcatchments under post development conditions
00413
00414 R0005:C0002-----
00415 HEAD STORM
00416 Filename = STORM.001
00417 Comment = CHICAGO STORM 5 Year, 3 Hours
00418 [SDT=10.0;SDUR= 3.00;PTOT= 42.51]
00419
00420 R0005:C0003-----
00421 DEFAULT VALUES
00422 [FileNm= C:\Temp\20240327-PostDev\Ottawa.val]
00423 [ICASEB= 1 (read and print data)]
00424 [FileTitle= File comment: [Parameters for City of Ottawa Projects]]
00425 THE FOLLOWING PARAMETERS ARE USED IN THE DESIGN STANDARDY CHM
00426 Horton's infiltration equation parameters:
00427 [F= 16.00 mm/hr] [Fm1=20.00 mm/hr] [KCNV= 4.14 /hr] [F= .00 mm]
00428 Parameters for EWINGIOS surfaces in STANOYD:
00429 [Igrpe= 4.67 mm] [Lgr=40.00 mm] [MHW= .230]
00430 Parameters for EWINGIOS surfaces in STANOYD:
00431 [Ialrpe= 1.57 mm] [Clr= 1.50] [MHW= .013]
00432 Parameters used in STANOYD:
00433 [Ia= 4.67 mm] [N= 3.00]
00434
00435 Average monthly Pan Evaporation data in (mm)
00436 JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
00437 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
00438 Average monthly Potential Evapotranspiration in (mm)
00439 JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
00440 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
00441 # EXT1
00442 *****
00443 R0005:C00004-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00444 CALIB NAHYD 1.0 01:EXT1 3.21 .066 No_date 1.55 14.13 .332 .000
00445 [Cm= 60.0; N= 3.00; Tpe= .56]
00446 # EXT1
00447 *****
00448 R0005:C00005-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00449 CALIB NAHYD 1.0 01:EXT2 .59 .014 No_date 1.23 15.94 .375 .000
00450 [Cm= 85.0; N= 3.00; Tpe= .33]
00451 # EXT2
00452 *****
00453 R0005:C00006-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00454 CALIB NAHYD 1.0 01:EXT3 .56 .020 No_date 1.23 14.13 .332 .000
00455 [Cm= 60.0; N= 3.00; Tpe= .56]
00456 # EXT3
00457 *****
00458 R0005:C00007-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00459 CALIB NAHYD 1.0 01:EXT4 .59 .014 No_date 1.23 15.94 .375 .000
00460 [Cm= 79.0; N= 3.00; Tpe= .29]
00461 # EXT4
00462 *****
00463 R0005:C00008-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00464 CALIB NAHYD 1.0 01:EXT5 .59 .014 No_date 1.23 15.94 .375 .000
00465 [Cm= 79.0; N= 3.00; Tpe= .29]
00466 # EXT5
00467 *****
00468 R0005:C00009-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00469 CALIB NAHYD 1.0 01:EXT6 .86 .026 No_date 1.42 17.32 .407 .000
00470 [Cm= 85.0; N= 3.00; Tpe= .42]
00471 # EXT6
00472 *****
00473 R0005:C00010-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00474 CALIB NAHYD 1.0 01:EXT7 .86 .026 No_date 1.42 17.32 .407 .000
00475 [Cm= 85.0; N= 3.00; Tpe= .42]
00476 # EXT7
00477 *****
00478 R0005:C00011-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00479 CALIB NAHYD 1.0 01:EXT8 .83 .024 No_date 1.31 13.59 .320 .000
00480 [Cm= 83.0; N= 3.00; Tpe= .32]
00481 # EXT8
00482 *****
00483 R0005:C00012-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00484 CALIB NAHYD 1.0 01:EXT9 .83 .024 No_date 1.31 13.59 .320 .000
00485 [Cm= 79.0; N= 3.00; Tpe= .29]
00486 # EXT9
00487 *****
00488 R0005:C00013-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00489 CALIB NAHYD 1.0 01:EXT10 3.57 .093 No_date 1.36 12.13 .285 .000
00490 [Cm= 76.0; N= 3.00; Tpe= .48]
00491 # EXT10
00492 *****
00493 R0005:C00014-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00494 CALIB NAHYD 1.0 01:EXT11 .20 .004 No_date 1.32 10.11 .238 .000
00495 [Cm= 71.0; N= 3.00; Tpe= .38]
00496 # EXT11
00497 *****
00498 R0005:C00015-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00499 CALIB NAHYD 1.0 01:EXT12 .01 .001 No_date 1.00 13.07 .307 .000
00500 [Cm= 71.0; N= 3.00; Tpe= .38]
00501 # EXT12
00502 *****
00503 R0005:C00016-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00504 CALIB NAHYD 1.0 01:EXT13 .44 .010 No_date 1.29 10.11 .238 .000
00505 [Cm= 71.0; N= 3.00; Tpe= .38]
00506 # EXT13
00507 *****
00508 R0005:C00017-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00509 CALIB NAHYD 1.0 01:EXT14 .01 .001 No_date 1.00 13.07 .307 .000
00510 [Cm= 71.0; N= 3.00; Tpe= .38]
00511 # EXT14
00512 *****
00513 R0005:C00018-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00514 CALIB NAHYD 1.0 01:EXT15 .80 .021 No_date 1.21 10.11 .238 .000
00515 [Cm= 71.0; N= 3.00; Tpe= .38]
00516 # EXT15
00517 *****
00518 R0005:C00019-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00519 CALIB NAHYD 1.0 01:EXT16 .07 .003 No_date 1.14 13.07 .308 .000
00520 [Cm= 71.0; N= 3.00; Tpe= .38]
00521 # EXT16
00522 *****
00523 R0005:C00020-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00524 CALIB NAHYD 1.0 01:EXT17 .07 .003 No_date 1.14 13.07 .308 .000
00525 [Cm= 71.0; N= 3.00; Tpe= .38]
00526 # EXT17
00527 *****
00528 R0005:C00021-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00529 CALIB NAHYD 1.0 01:EXT18 .01 .001 No_date 1.00 11.68 .275 .000
00530 [Cm= 75.0; N= 3.00; Tpe= .03]
00531 # EXT18
00532 *****
00533 R0005:C00022-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00534 CALIB NAHYD 1.0 01:EXT19 .80 .021 No_date 1.21 10.11 .238 .000
00535 [Cm= 71.0; N= 3.00; Tpe= .38]
00536 # EXT19
00537 *****
00538 R0005:C00023-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00539 CALIB NAHYD 1.0 01:EXT20 .07 .003 No_date 1.14 13.07 .308 .000
00540 [Cm= 71.0; N= 3.00; Tpe= .38]
00541 # EXT20
00542 *****
00543 R0005:C00024-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00544 CALIB NAHYD 1.0 01:EXT21 .07 .003 No_date 1.14 13.07 .308 .000
00545 [Cm= 71.0; N= 3.00; Tpe= .38]
00546 # EXT21
00547 *****
00548 R0005:C00025-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00549 CALIB NAHYD 1.0 01:EXT22 .07 .003 No_date 1.14 13.07 .308 .000
00550 [Cm= 71.0; N= 3.00; Tpe= .38]
00551 # EXT22
00552 *****
00553 R0005:C00026-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00554 CALIB NAHYD 1.0 01:EXT23 .07 .003 No_date 1.14 13.07 .308 .000
00555 [Cm= 71.0; N= 3.00; Tpe= .38]
00556 # EXT23
00557 *****
00558 R0005:C00027-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00559 CALIB NAHYD 1.0 01:EXT24 .07 .003 No_date 1.14 13.07 .308 .000
00560 [Cm= 71.0; N= 3.00; Tpe= .38]
00561 # EXT24
00562 *****
00563 R0005:C00028-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00564 CALIB NAHYD 1.0 01:EXT25 .07 .003 No_date 1.14 13.07 .308 .000
00565 [Cm= 71.0; N= 3.00; Tpe= .38]
00566 # EXT25
00567 *****
00568 R0005:C00029-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00569 CALIB NAHYD 1.0 01:EXT26 .07 .003 No_date 1.14 13.07 .308 .000
00570 [Cm= 71.0; N= 3.00; Tpe= .38]
00571 # EXT26
00572 *****
00573 R0005:C00030-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00574 CALIB NAHYD 1.0 01:EXT27 .07 .003 No_date 1.14 13.07 .308 .000
00575 [Cm= 71.0; N= 3.00; Tpe= .38]
00576 # EXT27
00577 *****
00578 R0005:C00031-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00579 CALIB NAHYD 1.0 01:EXT28 .07 .003 No_date 1.14 13.07 .308 .000
00580 [Cm= 71.0; N= 3.00; Tpe= .38]
00581 # EXT28
00582 *****
00583 R0005:C00032-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00584 CALIB NAHYD 1.0 01:EXT29 .07 .003 No_date 1.14 13.07 .308 .000
00585 [Cm= 71.0; N= 3.00; Tpe= .38]
00586 # EXT29
00587 *****
00588 R0005:C00033-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00589 CALIB NAHYD 1.0 01:EXT30 .07 .003 No_date 1.14 13.07 .308 .000
00590 [Cm= 71.0; N= 3.00; Tpe= .38]
00591 # EXT30
00592 *****
00593 R0005:C00034-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00594 CALIB NAHYD 1.0 01:EXT31 .07 .003 No_date 1.14 13.07 .308 .000
00595 [Cm= 71.0; N= 3.00; Tpe= .38]
00596 # EXT31
00597 *****
00598 R0005:C00035-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00599 CALIB NAHYD 1.0 01:EXT32 .07 .003 No_date 1.14 13.07 .308 .000
00600 [Cm= 71.0; N= 3.00; Tpe= .38]
00601 # EXT32
00602 *****
00603 R0005:C00036-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00604 CALIB NAHYD 1.0 01:EXT33 .07 .003 No_date 1.14 13.07 .308 .000
00605 [Cm= 71.0; N= 3.00; Tpe= .38]
00606 # EXT33
00607 *****
00608 R0005:C00037-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00609 CALIB NAHYD 1.0 01:EXT34 .07 .003 No_date 1.14 13.07 .308 .000
00610 [Cm= 71.0; N= 3.00; Tpe= .38]
00611 # EXT34
00612 *****
00613 R0005:C00038-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00614 CALIB NAHYD 1.0 01:EXT35 .07 .003 No_date 1.14 13.07 .308 .000
00615 [Cm= 71.0; N= 3.00; Tpe= .38]
00616 # EXT35
00617 *****
00618 R0005:C00039-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00619 CALIB NAHYD 1.0 01:EXT36 .07 .003 No_date 1.14 13.07 .308 .000
00620 [Cm= 71.0; N= 3.00; Tpe= .38]
00621 # EXT36
00622 *****
00623 R0005:C00040-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00624 CALIB NAHYD 1.0 01:EXT37 .07 .003 No_date 1.14 13.07 .308 .000
00625 [Cm= 71.0; N= 3.00; Tpe= .38]
00626 # EXT37
00627 *****
00628 R0005:C00041-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00629 CALIB NAHYD 1.0 01:EXT38 .07 .003 No_date 1.14 13.07 .308 .000
00630 [Cm= 71.0; N= 3.00; Tpe= .38]
00631 # EXT38
00632 *****
00633 R0005:C00042-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00634 CALIB NAHYD 1.0 01:EXT39 .07 .003 No_date 1.14 13.07 .308 .000
00635 [Cm= 71.0; N= 3.00; Tpe= .38]
00636 # EXT39
00637 *****
00638 R0005:C00043-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00639 CALIB NAHYD 1.0 01:EXT40 .07 .003 No_date 1.14 13.07 .308 .000
00640 [Cm= 71.0; N= 3.00; Tpe= .38]
00641 # EXT40
00642 *****
00643 R0005:C00044-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00644 CALIB NAHYD 1.0 01:EXT41 .07 .003 No_date 1.14 13.07 .308 .000
00645 [Cm= 71.0; N= 3.00; Tpe= .38]
00646 # EXT41
00647 *****
00648 R0005:C00045-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00649 CALIB NAHYD 1.0 01:EXT42 .07 .003 No_date 1.14 13.07 .308 .000
00650 [Cm= 71.0; N= 3.00; Tpe= .38]
00651 # EXT42
00652 *****
00653 R0005:C00046-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00654 CALIB NAHYD 1.0 01:EXT43 .07 .003 No_date 1.14 13.07 .308 .000
00655 [Cm= 71.0; N= 3.00; Tpe= .38]
00656 # EXT43
00657 *****
00658 R0005:C00047-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00659 CALIB NAHYD 1.0 01:EXT44 .07 .003 No_date 1.14 13.07 .308 .000
00660 [Cm= 71.0; N= 3.00; Tpe= .38]
00661 # EXT44
00662 *****
00663 R0005:C00048-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00664 CALIB NAHYD 1.0 01:EXT45 .07 .003 No_date 1.14 13.07 .308 .000
00665 [Cm= 71.0; N= 3.00; Tpe= .38]
00666 # EXT45
00667 *****
00668 R0005:C00049-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00669 CALIB NAHYD 1.0 01:EXT46 .07 .003 No_date 1.14 13.07 .308 .000
00670 [Cm= 71.0; N= 3.00; Tpe= .38]
00671 # EXT46
00672 *****
00673 R0005:C00050-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00674 CALIB NAHYD 1.0 01:EXT47 .07 .003 No_date 1.14 13.07 .308 .000
00675 [Cm= 71.0; N= 3.00; Tpe= .38]
00676 # EXT47
00677 *****
00678 R0005:C00051-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00679 CALIB NAHYD 1.0 01:EXT48 .07 .003 No_date 1.14 13.07 .308 .000
00680 [Cm= 71.0; N= 3.00; Tpe= .38]
00681 # EXT48
00682 *****
00683 R0005:C00052-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00684 CALIB NAHYD 1.0 01:EXT49 .07 .003 No_date 1.14 13.07 .308 .000
00685 [Cm= 71.0; N= 3.00; Tpe= .38]
00686 # EXT49
00687 *****
00688 R0005:C00053-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00689 CALIB NAHYD 1.0 01:EXT50 .07 .003 No_date 1.14 13.07 .308 .000
00690 [Cm= 71.0; N= 3.00; Tpe= .38]
00691 # EXT50
00692 *****
00693 R0005:C00054-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00694 CALIB NAHYD 1.0 01:EXT51 .07 .003 No_date 1.14 13.07 .308 .000
00695 [Cm= 71.0; N= 3.00; Tpe= .38]
00696 # EXT51
00697 *****
00698 R0005:C00055-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00699 CALIB NAHYD 1.0 01:EXT52 .07 .003 No_date 1.14 13.07 .308 .000
00700 [Cm= 71.0; N= 3.00; Tpe= .38]
00701 # EXT52
00702 *****
00703 R0005:C00056-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00704 CALIB NAHYD 1.0 01:EXT53 .07 .003 No_date 1.14 13.07 .308 .000
00705 [Cm= 71.0; N= 3.00; Tpe= .38]
00706 # EXT53
00707 *****
00708 R0005:C00057-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00709 CALIB NAHYD 1.0 01:EXT54 .07 .003 No_date 1.14 13.07 .308 .000
00710 [Cm= 71.0; N= 3.00; Tpe= .38]
00711 # EXT54
00712 *****
00713 R0005:C00058-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00714 CALIB NAHYD 1.0 01:EXT55 .07 .003 No_date 1.14 13.07 .308 .000
00715 [Cm= 71.0; N= 3.00; Tpe= .38]
00716 # EXT55
00717 *****
00718 R0005:C00059-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00719 CALIB NAHYD 1.0 01:EXT56 .07 .003 No_date 1.14 13.07 .308 .000
00720 [Cm= 71.0; N= 3.00; Tpe= .38]
00721 # EXT56
00722 *****
00723 R0005:C00060-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00724 CALIB NAHYD 1.0 01:EXT57 .07 .003 No_date 1.14 13.07 .308 .000
00725 [Cm= 71.0; N= 3.00; Tpe= .38]
00726 # EXT57
00727 *****
00728 R0005:C00061-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00729 CALIB NAHYD 1.0 01:EXT58 .07 .003 No_date 1.14 13.07 .308 .000
00730 [Cm= 71.0; N= 3.00; Tpe= .38]
00731 # EXT58
00732 *****
00733 R0005:C00062-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00734 CALIB NAHYD 1.0 01:EXT59 .07 .003 No_date 1.14 13.07 .308 .000
00735 [Cm= 71.0; N= 3.00; Tpe= .38]
00736 # EXT59
00737 *****
00738 R0005:C00063-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00739 CALIB NAHYD 1.0 01:EXT60 .07 .003 No_date 1.14 13.07 .308 .000
00740 [Cm= 71.0; N= 3.00; Tpe= .38]
00741 # EXT60
00742 *****
00743 R0005:C00064-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00744 CALIB NAHYD 1.0 01:EXT61 .07 .003 No_date 1.14 13.07 .308 .000
00745 [Cm= 71.0; N= 3.00; Tpe= .38]
00746 # EXT61
00747 *****
00748 R0005:C00065-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00749 CALIB NAHYD 1.0 01:EXT62 .07 .003 No_date 1.14 13.07 .308 .000
00750 [Cm= 71.0; N= 3.00; Tpe= .38]
00751 # EXT62
00752 *****
00753 R0005:C00066-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00754 CALIB NAHYD 1.0 01:EXT63 .07 .003 No_date 1.14 13.07 .308 .000
00755 [Cm= 71.0; N= 3.00; Tpe= .38]
00756 # EXT63
00757 *****
00758 R0005:C00067-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00759 CALIB NAHYD 1.0 01:EXT64 .07 .003 No_date 1.14 13.07 .308 .000
00760 [Cm= 71.0; N= 3.00; Tpe= .38]
00761 # EXT64
00762 *****
00763 R0005:C00068-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00764 CALIB NAHYD 1.0 01:EXT65 .07 .003 No_date 1.14 13.07 .308 .000
00765 [Cm= 71.0; N= 3.00; Tpe= .38]
00766 # EXT65
00767 *****
00768 R0005:C00069-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00769 CALIB NAHYD 1.0 01:EXT66 .07 .003 No_date 1.14 13.07 .308 .000
00770 [Cm= 71.0; N= 3.00; Tpe= .38]
00771 # EXT66
00772 *****
00773 R0005:C00070-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00774 CALIB NAHYD 1.0 01:EXT67 .07 .003 No_date 1.14 13.07 .308 .000
00775 [Cm= 71.0; N= 3.00; Tpe= .38]
00776 # EXT67
00777 *****
00778 R0005:C00071-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00779 CALIB NAHYD 1.0 01:EXT68 .07 .003 No_date 1.14 13.07 .308 .000
00780 [Cm= 71.0; N= 3.00; Tpe= .38]
00781 # EXT68
00782 *****
00783 R0005:C00072-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00784 CALIB NAHYD 1.0 01:EXT69 .07 .003 No_date 1.14 13.07 .308 .000
00785 [Cm= 71.0; N= 3.00; Tpe= .38]
00786 # EXT69
00787 *****
00788 R0005:C00073-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00789 CALIB NAHYD 1.0 01:EXT70 .07 .003 No_date 1.14 13.07 .308 .000
00790 [Cm= 71.0; N= 3.00; Tpe= .38]
00791 # EXT70
00792 *****
00793 R0005:C00074-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
00794 CALIB NAHYD 1.0 01:EXT71 .07 .003 No_date 1.14 13.07 .308 .000
00795 [Cm= 71.0; N= 3.00; Tpe= .38]
00796 # EXT71
00797 *****
00798 R0005:C00075-----Dtn-ID:INHYD-----AREAh-QFEARcm-TpeakDate_hh:mm-----Rvnm-R.C-----DWfcm
007
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Page 2

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01081 [IaIpm= 1.57 mm] [CLiI=1.50] [MNI=.013]
01082 Parameters used in NASHVD-----
01083 [Ia= 4.67 mm] [N= 3.00]
01084 Average monthly Fan Evaporation data in (mm)
01085 JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
01086 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
01087 Average monthly Potential Evapotranspiration in (mm)
01088 JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
01089 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
01090 *****
01091 # EXT1
01092 [Cm= 85.0; N= 3.00; Tpe= .33]
01093 *****
01094 R0025/C00004-----DtnIn-ID:INVD-----AREAh-QFEARcs-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01095 CALIB NASHVD 1.0 01:EXT1 3.21 .118 No_date 1:13 24.50 .421 .000
01096 [Cm= 85.0; N= 3.00; Tpe= .33]
01097 *****
01098 # EXT2
01099 *****
01100 R0025/C00005-----DtnIn-ID:INVD-----AREAh-QFEARcs-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01101 CALIB NASHVD 1.0 01:EXT2 .28 .022 No_date 1:22 29.15 .501 .000
01102 [Cm= 85.0; N= 3.00; Tpe= .33]
01103 *****
01104 # EXT3
01105 *****
01106 R0025/C00006-----DtnIn-ID:INVD-----AREAh-QFEARcs-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01107 CALIB NASHVD 1.0 01:EXT3 .56 .036 No_date 1:22 24.50 .421 .000
01108 [Cm= 85.0; N= 3.00; Tpe= .33]
01109 *****
01110 # EXT4
01111 *****
01112 R0025/C00007-----DtnIn-ID:INVD-----AREAh-QFEARcs-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01113 CALIB NASHVD 1.0 01:EXT4 .31 .020 No_date 1:20 23.69 .407 .000
01114 [Cm= 79.0; N= 3.00; Tpe= .29]
01115 *****
01116 # EXT5
01117 *****
01118 R0025/C00008-----DtnIn-ID:INVD-----AREAh-QFEARcs-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01119 CALIB NASHVD 1.0 01:EXT5 .59 .026 No_date 1:33 21.44 .368 .000
01120 [Cm= 76.0; N= 3.00; Tpe= .45]
01121 *****
01122 # EXT6
01123 *****
01124 R0025/C00009-----DtnIn-ID:INVD-----AREAh-QFEARcs-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01125 CALIB NASHVD 1.0 01:EXT6 .86 .046 No_date 1:50 29.15 .501 .000
01126 [Cm= 85.0; N= 3.00; Tpe= .42]
01127 *****
01128 # EXT7
01129 *****
01130 R0025/C00010-----DtnIn-ID:INVD-----AREAh-QFEARcs-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01131 CALIB NASHVD 1.0 01:EXT7 3.57 .151 No_date 1:35 21.44 .368 .000
01132 [Cm= 76.0; N= 3.00; Tpe= .48]
01133 *****
01134 # EXT8
01135 *****
01136 R0025/C00011-----DtnIn-ID:INVD-----AREAh-QFEARcs-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01137 CALIB NASHVD 1.0 01:EXT8 .83 .043 No_date 1:30 23.69 .407 .000
01138 [Cm= 79.0; N= 3.00; Tpe= .29]
01139 *****
01140 # EXT9
01141 *****
01142 R0025/C00012-----DtnIn-ID:INVD-----AREAh-QFEARcs-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01143 CALIB NASHVD 1.0 01:EXT9 3.57 .151 No_date 1:35 21.44 .368 .000
01144 [Cm= 76.0; N= 3.00; Tpe= .48]
01145 *****
01146 # EXT10
01147 *****
01148 R0025/C00013-----DtnIn-ID:INVD-----AREAh-QFEARcs-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01149 CALIB NASHVD 1.0 01:EXT10 .01 .002 No_date 1:00 22.90 .393 .000
01150 [Cm= 76.0; N= 3.00; Tpe= .48]
01151 *****
01152 # EXT11
01153 *****
01154 R0025/C00014-----DtnIn-ID:INVD-----AREAh-QFEARcs-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01155 CALIB NASHVD 1.0 01:EXT10 .20 .008 No_date 1:31 18.23 .313 .000
01156 [Cm= 76.0; N= 3.00; Tpe= .48]
01157 *****
01158 # Pre1_1
01159 *****
01160 R0025/C00015-----DtnIn-ID:INVD-----AREAh-QFEARcs-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01161 CALIB NASHVD 1.0 01:Pre1_1 .01 .002 No_date 1:00 22.90 .393 .000
01162 [Cm= 72.0; N= 3.00; Tpe= .03]
01163 *****
01164 # Pre2_1
01165 *****
01166 R0025/C00016-----DtnIn-ID:INVD-----AREAh-QFEARcs-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01167 CALIB NASHVD 1.0 01:Pre2_1 .00 .000 No_date 1:00 22.97 .393 .000
01168 [Cm= 76.0; N= 3.00; Tpe= .48]
01169 *****
01170 # Pre1_2
01171 *****
01172 R0025/C00017-----DtnIn-ID:INVD-----AREAh-QFEARcs-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01173 CALIB NASHVD 1.0 01:Pre1_2 .44 .018 No_date 1:27 18.23 .313 .000
01174 [Cm= 71.0; N= 3.00; Tpe= .38]
01175 *****
01176 # Pre2_2
01177 *****
01178 R0025/C00018-----DtnIn-ID:INVD-----AREAh-QFEARcs-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01179 CALIB NASHVD 1.0 01:Pre2_2 .01 .002 No_date 1:00 20.75 .356 .000
01180 [Cm= 75.0; N= 3.00; Tpe= .03]
01181 *****
01182 # Pre10_1
01183 *****
01184 R0025/C00019-----DtnIn-ID:INVD-----AREAh-QFEARcs-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01185 CALIB NASHVD 1.0 01:Pre10_1 .80 .040 No_date 1:20 18.23 .313 .000
01186 [Cm= 71.0; N= 3.00; Tpe= .38]
01187 *****
01188 # Pre1_3
01189 *****
01190 R0025/C00020-----DtnIn-ID:INVD-----AREAh-QFEARcs-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01191 CALIB NASHVD 1.0 01:Pre1_3 .00 .000 No_date 1:00 22.90 .393 .000
01192 [Cm= 78.0; N= 3.00; Tpe= .21]
01193 *****
01194 # Site 1
01195 *****
01196 R0025/C00021-----DtnIn-ID:INVD-----AREAh-QFEARcs-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01197 DESION STANDHYD 1.0 01:Site-1 .42 .093 No_date 1:00 34.53 .593 .000
01198 [XMP= 31.7TMP= 41]
01199 [SLP= 1.00DT= 1.00]
01200 [LOGS= 1; HORTONS]
01201 # Site 1 - Roof
01202 *****
01203 R0025/C00022-----DtnIn-ID:INVD-----AREAh-QFEARcs-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01204 DESION STANDHYD 1.0 01:Site-Roof .06 .026 No_date 1:00 56.27 .966 .000
01205 [XMP= 99.7TMP= 99]
01206 [SLP= 50.0DT= 1.00]
01207 *****
01208 R0025/C00023-----DtnIn-ID:INVD-----AREAh-QFEARcs-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01209 ROUTE RESERVOIR -> 1.0 01:Site-Roof .06 .026 No_date 1:00 56.27 n/a .000
01210 overflew <= 1.0 01:Site-Roof-Ov .06 .006 No_date 1:11 56.27 n/a .000
01211 overflew <= 1.0 01:Site-Roof-Ov .06 .000 No_date 0:00 .00 n/a .000
01212 (MetOolSead= 12386-02 m3, TotOvVol= 0.0000E+00 m3, N-Ov= 0, TotDurOv= 0 hrs)
01213 R0025/C00024-----DtnIn-ID:INVD-----AREAh-QFEARcs-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01214 ADD HYD + 1.0 01:Site-B1 .42 .093 No_date 1:00 34.53 n/a .000
01215 SUM= 1.0 01:Site-Roof-Ov .06 .006 No_date 1:11 56.27 n/a .000
01216 + 1.0 01:Site-Roof-Ov .00 .000 No_date 0:00 .00 n/a .000
01217 SUM= 1.0 01:Site-Roof-Ov .06 .006 No_date 1:11 56.27 n/a .000
01218 R0025/C00025-----DtnIn-ID:INVD-----AREAh-QFEARcs-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01219 ROUTE RESERVOIR -> 1.0 01:SITE1-IN .48 .098 No_date 1:00 37.47 n/a .000
01220 overflew <= 1.0 01:SITE1-Out .48 .008 No_date 1:53 37.47 n/a .000
01221 overflew <= 1.0 01:SITE1-Over .00 .000 No_date 0:00 .00 n/a .000
01222 (MetOolSead= 12386-01 m3, TotOvVol= 0.0000E+00 m3, N-Ov= 0, TotDurOv= 0 hrs)
01223 *****
01224 # Site 2
01225 *****
01226 R0025/C00026-----DtnIn-ID:INVD-----AREAh-QFEARcs-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01227 DESION STANDHYD 1.0 01:Site-2 .36 .076 No_date 1:00 33.45 .574 .000
01228 [XMP= 31.7TMP= 41]
01229 [SLP= 1.00DT= 1.00]
01230 [LOGS= 1; HORTONS]
01231 # Site 2 - Roof
01232 *****
01233 R0025/C00027-----DtnIn-ID:INVD-----AREAh-QFEARcs-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01234 DESION STANDHYD 1.0 01:Site-Roof .09 .037 No_date 1:00 56.28 .967 .000
01235 [XMP= 99.7TMP= 99]
01236 [SLP= 50.0DT= 1.00]
01237 *****
01238 # Site 2 - Roof
01239 *****
01240 R0025/C00028-----DtnIn-ID:INVD-----AREAh-QFEARcs-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01241 ROUTE RESERVOIR -> 1.0 01:SITE2-Out .09 .037 No_date 1:00 56.28 n/a .000
01242 overflew <= 1.0 01:SITE2-Out .09 .008 No_date 1:54 56.28 n/a .000
01243 overflew <= 1.0 01:SITE2-Roof-Ov .00 .000 No_date 0:00 .00 n/a .000
01244 (MetOolSead= 27446-02 m3, TotOvVol= 0.0000E+00 m3, N-Ov= 0, TotDurOv= 0 hrs)
01245 R0025/C00029-----DtnIn-ID:INVD-----AREAh-QFEARcs-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01246 ADD HYD + 1.0 01:SITE2-B3 .36 .076 No_date 1:00 33.45 n/a .000
01247 SUM= 1.0 01:SITE2-Out .09 .008 No_date 1:54 56.28 n/a .000
01248 + 1.0 01:SITE2-Roof-Ov .00 .000 No_date 0:00 .00 n/a .000
01249 SUM= 1.0 01:SITE2-IN .45 .084 No_date 1:00 38.17 n/a .000
01250 R0025/C00030-----DtnIn-ID:INVD-----AREAh-QFEARcs-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01251 ROUTE RESERVOIR -> 1.0 01:SITE2-Out .45 .084 No_date 1:00 38.17 n/a .000
01252 overflew <= 1.0 01:SITE2-Out .45 .008 No_date 1:53 37.47 n/a .000
01253 overflew <= 1.0 01:SITE2-Over .00 .000 No_date 0:00 .00 n/a .000
01254 (MetOolSead= 18086-01 m3, TotOvVol= 0.0000E+00 m3, N-Ov= 0, TotDurOv= 0 hrs)
01255 R0025/C00031-----DtnIn-ID:INVD-----AREAh-QFEARcs-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01256 ADD HYD + 1.0 01:SITE1-Out .48 .008 No_date 1:53 37.47 n/a .000
01257 SUM= 1.0 01:SITE1-Out .48 .008 No_date 1:53 37.47 n/a .000
01258 + 1.0 01:SITE1 .48 .008 No_date 1:53 37.47 n/a .000
01259 R0025/C00032-----DtnIn-ID:INVD-----AREAh-QFEARcs-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
01260 ADD HYD 1.0 01:SITE2-Out .45 .009 No_date 1:54 38.17 n/a .000
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01440# R0505C00008-----DtnIn-IDrNVd-----AREAh-AFEARcns-TpaakDate_hh:mm-----Rvwm-R-C-----Dwfms
01441# CALIBr MASHd 1.0 01:EXt8 8.5 .59 .032_NoDate 1:32 25.77 .398 .000
01442# [CN# 76.0; B# 3.00; Tpe .45]
01443# *****
01444# # EXT8
01445# *****
01446# CALIBr MASHd 1.0 01:EXt6 8.6 .055_NoDate 1:40 34.45 .532 .000
01447# [CN# 83.0; B# 3.00; Tpe .56]
01448# *****
01449# CALIBr MASHd 1.0 01:EXt6 8.6 .055_NoDate 1:40 34.45 .532 .000
01450# *****
01451# # EXT7
01452# *****
01453# R0505C00010-----DtnIn-IDrNVd-----AREAh-AFEARcns-TpaakDate_hh:mm-----Rvwm-R-C-----Dwfms
01454# CALIBr MASHd 1.0 01:EXt7 4.7 .041_NoDate 1:21 32.24 .498 .000
01455# [CN# 83.0; B# 3.00; Tpe .32]
01456# *****
01457# # EXT8
01458# *****
01459# *****
01460# R0505C00011-----DtnIn-IDrNVd-----AREAh-AFEARcns-TpaakDate_hh:mm-----Rvwm-R-C-----Dwfms
01461# CALIBr MASHd 1.0 01:EXt8 8.5 .032_NoDate 1:30 28.33 .437 .000
01462# [CN# 79.0; B# 3.00; Tpe .42]
01463# *****
01464# # EXT9
01465# *****
01466# R0505C00012-----DtnIn-IDrNVd-----AREAh-AFEARcns-TpaakDate_hh:mm-----Rvwm-R-C-----Dwfms
01467# CALIBr MASHd 1.0 01:EXt9 3.57 .183_NoDate 1:35 25.77 .398 .000
01468# [CN# 83.0; B# 3.00; Tpe .56]
01469# *****
01470# # EXT9a
01471# *****
01472# R0505C00013-----DtnIn-IDrNVd-----AREAh-AFEARcns-TpaakDate_hh:mm-----Rvwm-R-C-----Dwfms
01473# CALIBr MASHd 1.0 01:EXt8a 2.0 .002_NoDate 1:00 27.43 .423 .000
01474# [CN# 78.0; B# 3.00; Tpe .04]
01475# *****
01476# # EXT10
01477# *****
01478# R0505C00014-----DtnIn-IDrNVd-----AREAh-AFEARcns-TpaakDate_hh:mm-----Rvwm-R-C-----Dwfms
01479# CALIBr MASHd 1.0 01:EXt10 2.0 .010_NoDate 1:30 22.06 .340 .000
01480# [CN# 71.0; B# 3.00; Tpe .42]
01481# *****
01482# # Freq2.1
01483# *****
01484# R0505C00015-----DtnIn-IDrNVd-----AREAh-AFEARcns-TpaakDate_hh:mm-----Rvwm-R-C-----Dwfms
01485# CALIBr MASHd 1.0 01:Freq1 0.1 .002_NoDate 1:00 22.75 .351 .000
01486# [CN# 72.0; B# 3.00; Tpe .03]
01487# *****
01488# # Freq2.2
01489# *****
01490# R0505C00016-----DtnIn-IDrNVd-----AREAh-AFEARcns-TpaakDate_hh:mm-----Rvwm-R-C-----Dwfms
01491# CALIBr MASHd 1.0 01:Freq2 2.0 .000_NoDate 1:00 27.40 .423 .000
01492# [CN# 78.0; B# 3.00; Tpe .02]
01493# *****
01494# # Freq3.1
01495# *****
01496# R0505C00017-----DtnIn-IDrNVd-----AREAh-AFEARcns-TpaakDate_hh:mm-----Rvwm-R-C-----Dwfms
01497# CALIBr MASHd 1.0 01:Freq3 1.44 .022_NoDate 1:27 22.07 .340 .000
01498# [CN# 81.0; B# 3.00; Tpe .38]
01499# *****
01500# # Freq3.2
01501# *****
01502# R0505C00018-----DtnIn-IDrNVd-----AREAh-AFEARcns-TpaakDate_hh:mm-----Rvwm-R-C-----Dwfms
01503# CALIBr MASHd 1.0 01:Freq3 2.0 .003_NoDate 1:00 24.47 .385 .000
01504# [CN# 75.0; B# 3.00; Tpe .03]
01505# *****
01506# # Freq10.1
01507# *****
01508# R0505C00019-----DtnIn-IDrNVd-----AREAh-AFEARcns-TpaakDate_hh:mm-----Rvwm-R-C-----Dwfms
01509# CALIBr MASHd 1.0 01:Freq10 1.80 .048_NoDate 1:20 22.07 .340 .000
01510# [CN# 79.0; B# 3.00; Tpe .04]
01511# *****
01512# # Freq11.1
01513# *****
01514# R0505C00020-----DtnIn-IDrNVd-----AREAh-AFEARcns-TpaakDate_hh:mm-----Rvwm-R-C-----Dwfms
01515# CALIBr MASHd 1.0 01:Freq11 1.07 .006_NoDate 1:13 27.44 .423 .000
01516# [CN# 78.0; B# 3.00; Tpe .21]
01517# *****
01518# # Site 1
01519# *****
01520# # Site 1 - Roof
01521# *****
01522# DESIGN STANDRD-----DtnIn-IDrNVd-----AREAh-AFEARcns-TpaakDate_hh:mm-----Rvwm-R-C-----Dwfms
01523# [CN# 78.0; B# 3.00; Tpe .44]
01524# *****
01525# # Site 1 - Roof
01526# *****
01527# R0505C00022-----DtnIn-IDrNVd-----AREAh-AFEARcns-TpaakDate_hh:mm-----Rvwm-R-C-----Dwfms
01528# DESIGN STANDRD 1.0 01:R1-Roof 0.6 .029_NoDate 1:00 62.84 .970 .000
01529# [CN# 59.27MHz; 99]
01530# *****
01531# # Site 1 - Roof
01532# *****
01533# R0505C00023-----DtnIn-IDrNVd-----AREAh-AFEARcns-TpaakDate_hh:mm-----Rvwm-R-C-----Dwfms
01534# ROUTE RESERVOIR -> 1.0 01:R1-Roof 0.6 .029_NoDate 1:00 62.84 n/a .000
01535# ROUTE RESERVOIR -> 1.0 01:R1-Roof-Over 0.0 .000_NoDate 0:00 .00 n/a .000
01536# overlow -> 1.0 01:R1-Roof-Over 0.0 .000_NoDate 0:00 .00 n/a .000
01537# [MARc0used=21788-02 m3, Totc0VVol=1.00000-00 m3, N-Over= 0, Totc0Vovr=5.0 hrs]
01538# *****
01539# ADd HYD + 1.0 01:R1-Roof 4.2 .107_NoDate 1:00 40.11 n/a .000
01540# ADd HYD + 1.0 01:R1-Roof-Over 0.0 .000_NoDate 0:00 .00 n/a .000
01541# + 1.0 01:R1-Roof-Over 0.0 .000_NoDate 0:00 .00 n/a .000
01542# *****
01543# R0505C00025-----DtnIn-IDrNVd-----AREAh-AFEARcns-TpaakDate_hh:mm-----Rvwm-R-C-----Dwfms
01544# ROUTE RESERVOIR -> 1.0 01:R1-Roof 4.8 .113_NoDate 1:00 43.18 n/a .000
01545# ROUTE RESERVOIR -> 1.0 01:R1-Roof-Over 0.0 .000_NoDate 0:00 .00 n/a .000
01546# overlow -> 1.0 01:R1-Roof-Over 0.0 .000_NoDate 0:00 .00 n/a .000
01547# [MARc0used=16468-01 m3, Totc0VVol=1.00000-00 m3, N-Over= 0, Totc0Vovr=5.0 hrs]
01548# *****
01549# # Site 2
01550# *****
01551# R0505C00026-----DtnIn-IDrNVd-----AREAh-AFEARcns-TpaakDate_hh:mm-----Rvwm-R-C-----Dwfms
01552# DESIGN STANDRD 1.0 01:R2-Roof 3.6 .089_NoDate 1:00 38.93 .601 .000
01553# [CN# 51.1MHz; 41]
01554# *****
01555# # Site 2 - Roof
01556# *****
01557# R0505C00027-----DtnIn-IDrNVd-----AREAh-AFEARcns-TpaakDate_hh:mm-----Rvwm-R-C-----Dwfms
01558# ROUTE RESERVOIR -> 1.0 01:R2-Roof 0.9 .041_NoDate 1:00 62.84 .970 .000
01559# [CN# 59.27MHz; 99]
01560# *****
01561# # Site 2 - Roof
01562# *****
01563# R0505C00028-----DtnIn-IDrNVd-----AREAh-AFEARcns-TpaakDate_hh:mm-----Rvwm-R-C-----Dwfms
01564# ROUTE RESERVOIR -> 1.0 01:R2-Roof 0.9 .041_NoDate 1:00 62.84 n/a .000
01565# ROUTE RESERVOIR -> 1.0 01:R2-Roof-Over 0.0 .000_NoDate 0:00 .00 n/a .000
01566# overlow -> 1.0 01:R2-Roof-Over 0.0 .000_NoDate 0:00 .00 n/a .000
01567# [MARc0used=36568-02 m3, Totc0VVol=1.00000-00 m3, N-Over= 0, Totc0Vovr=5.0 hrs]
01568# *****
01569# ADd HYD + 1.0 01:R2-Roof 3.6 .089_NoDate 1:00 38.93 n/a .000
01570# ADd HYD + 1.0 01:R2-Roof-Over 0.0 .000_NoDate 0:00 .00 n/a .000
01571# + 1.0 01:R2-Roof-Over 0.0 .000_NoDate 0:00 .00 n/a .000
01572# *****
01573# R0505C00030-----DtnIn-IDrNVd-----AREAh-AFEARcns-TpaakDate_hh:mm-----Rvwm-R-C-----Dwfms
01574# ROUTE RESERVOIR -> 1.0 01:R2-Roof 4.5 .097_NoDate 1:00 43.87 n/a .000
01575# ROUTE RESERVOIR -> 1.0 01:R2-Roof-Over 0.0 .000_NoDate 0:00 .00 n/a .000
01576# overlow -> 1.0 01
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Page 5

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02161: *****
02162: # Pre1_1
02163: *****
02164: ROUTE2:C00020-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----RvM-R.C-----DWfms
02165: CALIB MASHVD-----1.0 01:Pre1_1-----42.034 Mo_date 12:00 22.59 466 .000
02166: [Cm= 78.0; B= 3.00; Tpm=.21]
02167: *****
02168: # Site 1
02169: *****
02170: ROUTE2:C00021-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----RvM-R.C-----DWfms
02171: DESIGN STANDYD-----1.0 01:Pre1_1-----42.034 Mo_date 12:00 22.59 466 .000
02172: [XMP= 99.71Dm= 44]
02173: [SLP=1.00DT= 1.00]
02174: [LOSS= 1 : HORTONS]
02175: *****
02176: # Site 1 - Roof
02177: *****
02178: ROUTE2:C00022-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----RvM-R.C-----DWfms
02179: DESIGN STANDYD-----1.0 01:Pre1-Roof-----.06 .011 Mo_date 12:00 46.49 959 .000
02180: [XMP= 99.71Dm= 99]
02181: [SLP= 50:DT= 1.00]
02182: *****
02183: ROUTE2:C00023-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----RvM-R.C-----DWfms
02184: ROUTE RESERVOIR --> 1.0 01:Pre1-Roof-----.06 .011 Mo_date 12:00 46.49 n/a .000
02185: out <= 1.0 01:Pre1-Roof-Ov-----0.00 .000 Mo_date 12:03 46.49 n/a .000
02186: overflow <= 1.0 01:Pre1-Roof-Ov-----0.00 .000 Mo_date 0:00 .00 n/a .000
02187: [MaxOutflow=1.058E-02 m3, TotOutVol=0.000E+00 m3, M-Ovfr= 0, TotOutDvfr= 0 hrs]
02188: ROUTE2:C00024-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----RvM-R.C-----DWfms
02189: ADD HYD-----1.0 01:Pre1-Roof-----42.034 Mo_date 12:00 22.59 n/a .000
02190: + 1.0 01:Pre1-Roof-Ov-----0.00 .000 Mo_date 12:03 46.49 n/a .000
02191: + 1.0 01:Pre1-Roof-Ov-----0.00 .000 Mo_date 0:00 .00 n/a .000
02192: SUM= 1.0 01:Pre1-Roof-----48.038 Mo_date 12:00 25.81 n/a .000
02193: ROUTE2:C00025-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----RvM-R.C-----DWfms
02194: ROUTE RESERVOIR --> 1.0 01:Pre1-Roof-----48.038 Mo_date 12:00 25.81 n/a .000
02195: out <= 1.0 01:Pre1-Roof-Ov-----0.00 .000 Mo_date 12:03 25.81 n/a .000
02196: overflow <= 1.0 01:Pre1-Roof-Ov-----0.00 .000 Mo_date 0:00 .00 n/a .000
02197: [MaxOutflow=4.077E-02 m3, TotOutVol=0.000E+00 m3, M-Ovfr= 0, TotOutDvfr= 0 hrs]
02198: *****
02199: # Site 2
02200: *****
02201: ROUTE2:C00026-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----RvM-R.C-----DWfms
02202: DESIGN STANDYD-----1.0 01:Pre1-Roof-----36.028 Mo_date 12:00 21.44 442 .000
02203: [XMP= 31.71Dm= 41]
02204: [SLP=1.00DT= 1.00]
02205: [LOSS= 1 : HORTONS]
02206: *****
02207: # Site 2 - Roof
02208: *****
02209: ROUTE2:C00027-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----RvM-R.C-----DWfms
02210: DESIGN STANDYD-----1.0 01:Pre1-Roof-----09.015 Mo_date 12:00 46.49 959 .000
02211: [XMP= 99.71Dm= 99]
02212: *****
02213: [LOSS= 1 : HORTONS]
02214: *****
02215: ROUTE2:C00028-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----RvM-R.C-----DWfms
02216: ROUTE RESERVOIR --> 1.0 01:Pre1-Roof-----09.015 Mo_date 12:00 46.49 n/a .000
02217: out <= 1.0 01:Pre1-Roof-Ov-----0.00 .000 Mo_date 12:03 46.49 n/a .000
02218: overflow <= 1.0 01:Pre1-Roof-Ov-----0.00 .000 Mo_date 0:00 .00 n/a .000
02219: [MaxOutflow=1.484E-02 m3, TotOutVol=0.000E+00 m3, M-Ovfr= 0, TotOutDvfr= 0 hrs]
02220: ROUTE2:C00029-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----RvM-R.C-----DWfms
02221: ADD HYD-----1.0 01:Pre1-Roof-----36.028 Mo_date 12:00 21.44 n/a .000
02222: + 1.0 01:Pre1-Roof-Ov-----0.00 .000 Mo_date 12:03 46.49 n/a .000
02223: + 1.0 01:Pre1-Roof-Ov-----0.00 .000 Mo_date 0:00 .00 n/a .000
02224: SUM= 1.0 01:Pre1-Roof-----45.033 Mo_date 12:00 26.61 n/a .000
02225: ROUTE2:C00030-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----RvM-R.C-----DWfms
02226: ROUTE RESERVOIR --> 1.0 01:Pre1-Roof-----45.033 Mo_date 12:00 26.61 n/a .000
02227: out <= 1.0 01:Pre1-Roof-Ov-----0.00 .000 Mo_date 12:03 26.61 n/a .000
02228: overflow <= 1.0 01:Pre1-Roof-Ov-----0.00 .000 Mo_date 0:00 .00 n/a .000
02229: [MaxOutflow=4.168E-02 m3, TotOutVol=0.000E+00 m3, M-Ovfr= 0, TotOutDvfr= 0 hrs]
02230: ROUTE2:C00031-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----RvM-R.C-----DWfms
02231: ADD HYD-----1.0 01:Pre1-Roof-----45.033 Mo_date 12:00 26.61 n/a .000
02232: + 1.0 01:Pre1-Roof-Ov-----0.00 .000 Mo_date 12:03 26.61 n/a .000
02233: SUM= 1.0 01:Pre1-Roof-----48.038 Mo_date 12:00 25.81 n/a .000
02234: ROUTE2:C00032-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----RvM-R.C-----DWfms
02235: ADD HYD-----1.0 01:Pre1-Roof-----09.015 Mo_date 12:00 46.49 n/a .000
02236: + 1.0 01:Pre1-Roof-Ov-----0.00 .000 Mo_date 0:00 .00 n/a .000
02237: SUM= 1.0 01:Pre1-Roof-----45.033 Mo_date 12:00 26.61 n/a .000
02238: ROUTE2:C00033-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----RvM-R.C-----DWfms
02239: ADD HYD-----1.0 01:Pre1-Roof-----28.011 Mo_date 12:14 21.63 n/a .000
02240: + 1.0 01:Pre1-Roof-Ov-----0.00 .000 Mo_date 12:14 21.63 n/a .000
02241: + 1.0 01:Pre1-Roof-Ov-----0.00 .000 Mo_date 12:14 21.63 n/a .000
02242: SUM= 1.0 01:Pre1-Roof-----45.033 Mo_date 12:00 26.61 n/a .000
02243: ROUTE2:C00034-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----RvM-R.C-----DWfms
02244: ROUTE CHANNEL --> 1.0 01:Pre1-Roof-----1.23 .024 Mo_date 12:16 25.01 n/a .000
02245: [RDT= 1.001 out<= 1.0 01:Pre1-Roof-----1.23 .023 Mo_date 12:13 25.01 n/a .000]
02246: [1/5/9= 143]
02247: [Vmax= .279;Dmax= .103]
02248: ROUTE2:C00035-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----RvM-R.C-----DWfms
02249: ADD HYD-----1.0 01:Pre1-Roof-----5.123 .023 Mo_date 12:13 25.01 n/a .000
02250: + 1.0 01:Pre1-Roof-Ov-----0.00 .000 Mo_date 12:13 25.01 n/a .000
02251: SUM= 1.0 01:Pre1-Roof-----5.123 .023 Mo_date 12:13 25.01 n/a .000
02252: ROUTE2:C00036-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----RvM-R.C-----DWfms
02253: ROUTE CHANNEL --> 1.0 01:Pre1-Roof-----5.000 .091 Mo_date 12:13 19.62 n/a .000
02254: [RDT= 1.001 out<= 1.0 01:Pre1-Roof-----5.000 .090 Mo_date 12:13 19.62 n/a .000]
02255: [1/5/9= 73 / 423]
02256: [Vmax= .398;Dmax= .186]
02257: ROUTE2:C00037-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----RvM-R.C-----DWfms
02258: ADD HYD-----1.0 01:Pre1-Roof-----5.123 .090 Mo_date 12:13 19.62 n/a .000
02259: + 1.0 01:Pre1-Roof-Ov-----0.00 .000 Mo_date 12:13 19.62 n/a .000
02260: SUM= 1.0 01:Pre1-Roof-----5.123 .090 Mo_date 12:13 19.62 n/a .000
02261: ROUTE2:C00038-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----RvM-R.C-----DWfms
02262: ROUTE CHANNEL --> 1.0 01:Pre1-Roof-----5.311 .097 Mo_date 12:13 19.48 n/a .000
02263: [RDT= 1.001 out<= 1.0 01:Pre1-Roof-----5.311 .096 Mo_date 12:14 19.48 n/a .000]
02264: [1/5/9= 92 / 274]
02265: [Vmax= .371]
02266: ROUTE2:C00039-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----RvM-R.C-----DWfms
02267: ADD HYD-----1.0 01:Pre1-Roof-----5.311 .096 Mo_date 12:14 19.48 n/a .000
02268: + 1.0 01:Pre1-Roof-Ov-----0.00 .000 Mo_date 12:14 19.48 n/a .000
02269: SUM= 1.0 01:Pre1-Roof-----5.311 .096 Mo_date 12:14 19.48 n/a .000
02270: ROUTE2:C00040-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----RvM-R.C-----DWfms
02271: ROUTE CHANNEL --> 1.0 01:Pre1-Roof-----5.900 .108 Mo_date 12:13 19.08 n/a .000
02272: [RDT= 1.001 out<= 1.0 01:Pre1-Roof-----5.900 .108 Mo_date 12:13 19.08 n/a .000]
02273: [1/5/9= 251 / 139]
02274: [Vmax= .310;Dmax= .210]
02275: ROUTE2:C00041-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----RvM-R.C-----DWfms
02276: ADD HYD-----1.0 01:Pre1-Roof-----5.900 .100 Mo_date 12:14 19.08 n/a .000
02277: + 1.0 01:Pre1-Roof-Ov-----0.00 .000 Mo_date 12:14 19.08 n/a .000
02278: SUM= 1.0 01:Pre1-Roof-----5.900 .100 Mo_date 12:14 19.08 n/a .000
02279: ROUTE2:C00042-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----RvM-R.C-----DWfms
02280: ROUTE CHANNEL --> 1.0 01:Pre1-Roof-----7.24 .130 Mo_date 12:13 19.45 n/a .000
02281: [RDT= 1.001 out<= 1.0 01:Pre1-Roof-----7.24 .128 Mo_date 12:13 19.45 n/a .000]
02282: [1/5/9= 237 / 644]
02283: [Vmax= .503;Dmax= .201]
02284: ROUTE2:C00043-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----RvM-R.C-----DWfms
02285: ADD HYD-----1.0 01:Pre1-Roof-----8.0 .020 Mo_date 12:12 12.99 n/a .000
02286: + 1.0 01:Pre1-Roof-Ov-----0.00 .000 Mo_date 12:00 14.92 n/a .000
02287: SUM= 1.0 01:Pre1-Roof-----8.0 .020 Mo_date 12:00 14.92 n/a .000
02288: ROUTE2:C00044-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----RvM-R.C-----DWfms
02289: ROUTE CHANNEL --> 1.0 01:Pre1-Roof-----8.1 .000 Mo_date 12:12 13.04 n/a .000
02290: [RDT= 1.001 out<= 1.0 01:Pre1-Roof-----8.1 .019 Mo_date 12:15 13.04 n/a .000]
02291: [1/5/9= 71 / 776]
02292: [Vmax= .492;Dmax= .014]
02293: ROUTE2:C00045-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----RvM-R.C-----DWfms
02294: ROUTE CHANNEL --> 1.0 01:Pre1-Roof-----4.4 .009 Mo_date 12:18 12.99 n/a .000
02295: [RDT= 1.001 out<= 1.0 01:Pre1-Roof-----4.4 .009 Mo_date 12:12 12.99 n/a .000]
02296: [1/5/9= 159 / 1.576]
02297: [Vmax= .797;Dmax= .003]
02298: ROUTE2:C00046-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----RvM-R.C-----DWfms
02299: ADD HYD-----1.0 01:Pre1-Roof-----8.1 .019 Mo_date 12:15 13.07 n/a .000
02300: + 1.0 01:Pre1-Roof-Ov-----0.00 .000 Mo_date 12:12 12.99 n/a .000
02301: SUM= 1.0 01:Pre1-Roof-----8.1 .019 Mo_date 12:15 13.07 n/a .000
02302: ROUTE2:C00047-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----RvM-R.C-----DWfms
02303: ROUTE CHANNEL --> 1.0 01:Pre1-Roof-----1.10 .025 Mo_date 12:14 13.31 n/a .000
02304: [RDT= 1.001 out<= 1.0 01:Pre1-Roof-----1.10 .025 Mo_date 12:14 13.31 n/a .000]
02305: [1/5/9= 79 / 522]
02306: [Vmax= .543;Dmax= .023]
02307: ROUTE2:C00048-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----RvM-R.C-----DWfms
02308: ADD HYD-----1.0 01:Pre1-Roof-----3.57 .074 Mo_date 12:15 15.46 n/a .000
02309: + 1.0 01:Pre1-Roof-Ov-----0.00 .000 Mo_date 12:15 15.46 n/a .000
02310: SUM= 1.0 01:Pre1-Roof-----3.57 .074 Mo_date 12:15 15.46 n/a .000
02311: ROUTE2:C00049-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----RvM-R.C-----DWfms
02312: ROUTE CHANNEL --> 1.0 01:Pre1-Roof-----1.53 .033 Mo_date 12:18 13.25 n/a .000
02313: [RDT= 1.001 out<= 1.0 01:Pre1-Roof-----1.53 .033 Mo_date 12:18 13.25 n/a .000]
02314: [1/5/9= 8 / 010]
02315: [Vmax= .346;Dmax= .019]
02316: ROUTE2:C00050-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----RvM-R.C-----DWfms
02317: ADD HYD-----1.0 01:Pre1-Roof-----3.57 .074 Mo_date 12:15 15.46 n/a .000
02318: + 1.0 01:Pre1-Roof-Ov-----0.00 .000 Mo_date 12:15 15.46 n/a .000
02319: SUM= 1.0 01:Pre1-Roof-----3.57 .074 Mo_date 12:15 15.46 n/a .000
02320: ROUTE2:C00051-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----RvM-R.C-----DWfms
02321: ROUTE CHANNEL --> 1.0 01:Pre1-Roof-----13.18 .225 Mo_date 12:13 17.51 n/a .000
02322: [RDT= 1.001 out<= 1.0 01:Pre1-Roof-----13.18 .225 Mo_date 12:13 17.51 n/a .000]
02323: [1/5/9= 8 / 010]
02324: [Vmax= .346;Dmax= .019]
02325: ROUTE2:C00052-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----RvM-R.C-----DWfms
02326: ADD HYD-----1.0 01:Pre1-Roof-----3.57 .074 Mo_date 12:15 15.46 n/a .000
02327: + 1.0 01:Pre1-Roof-Ov-----0.00 .000 Mo_date 12:15 15.46 n/a .000
02328: SUM= 1.0 01:Pre1-Roof-----3.57 .074 Mo_date 12:15 15.46 n/a .000
02329: ROUTE2:C00053-----DtnIn-ID:INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----RvM-R.C-----DWfms
02330: ROUTE CHANNEL --> 1.0 01:Pre1-Roof-----13.18 .225 Mo_date 12:13 17.51 n/a .000
02331: [RDT= 1.001 out<= 1.0 01:Pre1-Roof-----13.18 .225 Mo_date 12:13 17.51 n/a .000]
02332: [1/5/9= 8 / 010]
02333: [Vmax= .346;Dmax= .019]
02334: *****
02335: # STORM
02336: *****
02337: *****
02338: *****
02339: *****
02340: *****
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Page 7

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02881# ADD HYD + 1.0 01:SITE1-out 48 .007 No_date 12:41 43.28 n/a .000
02882# + 1.0 01:SITE1-Over 48 .007 No_date 12:41 43.28 n/a .000
02883# SUM# 1.0 01:Site1 48 .007 No_date 12:41 43.28 n/a .000
02884# R0110:C00032 -Dtn-ID-INHYD- AREA#-QFEAR#m-TpeakDate_hh:mm- Rv#m-R.C.- DWFC#m
02885# ADD HYD + 1.0 01:SITE2-out 48 .008 No_date 12:40 44.42 n/a .000
02886# + 1.0 01:SITE2-Over 00 .000 No_date 0:00 .00 n/a .000
02887# SUM# 1.0 01:Site2 48 .008 No_date 12:40 44.42 n/a .000
02888# R0110:C00033 -Dtn-ID-INHYD- AREA#-QFEAR#m-TpeakDate_hh:mm- Rv#m-R.C.- DWFC#m
02889# ADD HYD + 1.0 01:SITE2 28 .022 No_date 12:13 42.40 n/a .000
02890# + 1.0 01:Site1 01 .002 No_date 12:00 38.41 n/a .000
02891# + 1.0 01:Site1 48 .007 No_date 12:41 43.28 n/a .000
02892# + 1.0 01:Site2 48 .008 No_date 12:40 44.42 n/a .000
02893# SUM# 1.0 01:Site1 1.23 .038 No_date 12:14 43.34 n/a .000
02894# R0110:C00034 -Dtn-ID-INHYD- AREA#-QFEAR#m-TpeakDate_hh:mm- Rv#m-R.C.- DWFC#m
02895# ROUTE CHANNEL -> 1.0 01:SITE1 1.23 .038 No_date 12:14 43.34 n/a .000
02896# (RDT=1.00) out-> 1.0 01:SITE1 1.23 .036 No_date 12:11 43.34 n/a .000
02897# (1/5/#= 72./ 425./035)
02898# (Vmax=.316;Dmax=.125)
02899# R0110:C00035 -Dtn-ID-INHYD- AREA#-QFEAR#m-TpeakDate_hh:mm- Rv#m-R.C.- DWFC#m
02900# ADD HYD + 1.0 01:SITE2 5.9 .038 No_date 12:13 36.46 n/a .000
02901# + 1.0 01:SITE1 3.21 .021 No_date 12:40 36.46 n/a .000
02902# SUM# 1.0 01:Site2 5.00 .178 No_date 12:29 38.15 n/a .000
02903# R0110:C00036 -Dtn-ID-INHYD- AREA#-QFEAR#m-TpeakDate_hh:mm- Rv#m-R.C.- DWFC#m
02904# ROUTE CHANNEL -> 1.0 01:SITE2 5.00 .178 No_date 12:29 38.15 n/a .000
02905# (RDT=1.00) out-> 1.0 01:SITE2 5.00 .177 No_date 12:31 38.15 n/a .000
02906# (1/5/#= 72./ 425./035)
02907# (Vmax=.478;Dmax=.244)
02908# R0110:C00037 -Dtn-ID-INHYD- AREA#-QFEAR#m-TpeakDate_hh:mm- Rv#m-R.C.- DWFC#m
02909# ADD HYD + 1.0 01:SITE2 5.9 .177 No_date 12:31 38.15 n/a .000
02910# + 1.0 01:SITE2 3.31 .022 No_date 12:11 35.39 n/a .000
02911# SUM# 1.0 01:Site2 5.31 .191 No_date 12:28 37.99 n/a .000
02912# R0110:C00038 -Dtn-ID-INHYD- AREA#-QFEAR#m-TpeakDate_hh:mm- Rv#m-R.C.- DWFC#m
02913# ROUTE CHANNEL -> 1.0 01:SITE2 5.31 .191 No_date 12:28 37.99 n/a .000
02914# (RDT=1.00) out-> 1.0 01:SITE2 5.31 .190 No_date 12:31 37.99 n/a .000
02915# (1/5/#= 92./ 274./035)
02916# (Vmax=.231./ 194./035)
02917# R0110:C00039 -Dtn-ID-INHYD- AREA#-QFEAR#m-TpeakDate_hh:mm- Rv#m-R.C.- DWFC#m
02918# ADD HYD + 1.0 01:SITE2 5.31 .190 No_date 12:31 37.99 n/a .000
02919# + 1.0 01:SITE2 4.7 .028 No_date 12:22 32.39 n/a .000
02920# SUM# 1.0 01:Site2 5.90 .216 No_date 12:30 37.43 n/a .000
02921# R0110:C00040 -Dtn-ID-INHYD- AREA#-QFEAR#m-TpeakDate_hh:mm- Rv#m-R.C.- DWFC#m
02922# ROUTE CHANNEL -> 1.0 01:SITE2 5.90 .216 No_date 12:30 37.43 n/a .000
02923# (RDT=1.00) out-> 1.0 01:SITE2 5.90 .214 No_date 12:40 37.43 n/a .000
02924# (1/5/#= 231./ 194./035)
02925# (Vmax=.384;Dmax=.284)
02926# R0110:C00041 -Dtn-ID-INHYD- AREA#-QFEAR#m-TpeakDate_hh:mm- Rv#m-R.C.- DWFC#m
02927# ADD HYD + 1.0 01:SITE2 5.90 .204 No_date 12:40 37.43 n/a .000
02928# + 1.0 01:SITE2 4.86 .044 No_date 12:29 42.40 n/a .000
02929# SUM# 1.0 01:SITE2 4.7 .035 No_date 12:13 39.90 n/a .000
02930# R0110:C00042 -Dtn-ID-INHYD- AREA#-QFEAR#m-TpeakDate_hh:mm- Rv#m-R.C.- DWFC#m
02931# ROUTE CHANNEL -> 1.0 01:SITE2 7.24 .248 No_date 12:35 38.18 n/a .000
02932# (RDT=1.00) out-> 1.0 01:SITE2 7.24 .248 No_date 12:41 38.18 n/a .000
02933# (1/5/#= 237./ 644./035)
02934# (Vmax=.623;Dmax=.267)
02935# R0110:C00043 -Dtn-ID-INHYD- AREA#-QFEAR#m-TpeakDate_hh:mm- Rv#m-R.C.- DWFC#m
02936# ADD HYD + 1.0 01:Site1 8.0 .043 No_date 12:11 28.00 n/a .000
02937# + 1.0 01:Site2 0.01 .002 No_date 12:00 31.45 n/a .000
02938# SUM# 1.0 01:Site1 8.01 .043 No_date 12:11 28.00 n/a .000
02939# R0110:C00044 -Dtn-ID-INHYD- AREA#-QFEAR#m-TpeakDate_hh:mm- Rv#m-R.C.- DWFC#m
02940# ROUTE CHANNEL -> 1.0 01:Site1 8.01 .043 No_date 12:11 28.00 n/a .000
02941# (RDT=1.00) out-> 1.0 01:Site1 8.01 .043 No_date 12:14 28.00 n/a .000
02942# (1/5/#= 71./ 774./035)
02943# (Vmax=.492;Dmax=.032)
02944# R0110:C00045 -Dtn-ID-INHYD- AREA#-QFEAR#m-TpeakDate_hh:mm- Rv#m-R.C.- DWFC#m
02945# ROUTE CHANNEL -> 1.0 01:Site1 4.4 .020 No_date 12:17 28.00 n/a .000
02946# (RDT=1.00) out-> 1.0 01:Site1 4.4 .019 No_date 12:21 28.00 n/a .000
02947# (1/5/#= 159./ 1574./035)
02948# (Vmax=.797;Dmax=.064)
02949# R0110:C00046 -Dtn-ID-INHYD- AREA#-QFEAR#m-TpeakDate_hh:mm- Rv#m-R.C.- DWFC#m
02950# ADD HYD + 1.0 01:Site1 8.1 .043 No_date 12:14 28.13 n/a .000
02951# + 1.0 01:SITE2 0.01 .002 No_date 12:00 34.35 n/a .000
02952# SUM# 1.0 01:SITE2 8.1 .043 No_date 12:00 34.35 n/a .000
02953# R0110:C00047 -Dtn-ID-INHYD- AREA#-QFEAR#m-TpeakDate_hh:mm- Rv#m-R.C.- DWFC#m
02954# ROUTE CHANNEL -> 1.0 01:SITE2 1.10 .056 No_date 12:14 28.54 n/a .000
02955# (RDT=1.00) out-> 1.0 01:SITE2 1.10 .056 No_date 12:17 28.54 n/a .000
02956# (1/5/#= 79./ 522./035)
02957# (Vmax=.423;Dmax=.041)
02958# R0110:C00048 -Dtn-ID-INHYD- AREA#-QFEAR#m-TpeakDate_hh:mm- Rv#m-R.C.- DWFC#m
02959# ADD HYD + 1.0 01:SITE2 1.10 .055 No_date 12:17 28.57 n/a .000
02960# + 1.0 01:SITE2 4.4 .019 No_date 12:11 28.07 n/a .000
02961# SUM# 1.0 01:SITE2 1.53 .074 No_date 12:18 28.43 n/a .000
02962# R0110:C00049 -Dtn-ID-INHYD- AREA#-QFEAR#m-TpeakDate_hh:mm- Rv#m-R.C.- DWFC#m
02963# ROUTE CHANNEL -> 1.0 01:SITE2 1.53 .073 No_date 12:19 28.43 n/a .000
02964# (RDT=1.00) out-> 1.0 01:SITE2 1.53 .073 No_date 12:19 28.43 n/a .000
02965# (1/5/#= 29./ 887./035)
02966# (Vmax=.543;Dmax=.050)
02967# R0110:C00050 -Dtn-ID-INHYD- AREA#-QFEAR#m-TpeakDate_hh:mm- Rv#m-R.C.- DWFC#m
02968# ADD HYD + 1.0 01:SITE2 3.57 .158 No_date 12:24 32.39 n/a .000
02969# + 1.0 01:SITE2 1.53 .073 No_date 12:19 28.45 n/a .000
02970# SUM# 1.0 01:SITE2 4.8 .045 No_date 12:00 34.35 n/a .000
02971# + 1.0 01:SITE2 7.24 .244 No_date 12:41 38.18 n/a .000
02972# SUM# 1.0 01:SITE2 10.08 No_date 12:30 35.20 n/a .000
02973# R0110:C00051 -Dtn-ID-INHYD- AREA#-QFEAR#m-TpeakDate_hh:mm- Rv#m-R.C.- DWFC#m
02974# ROUTE PIPE -> 1.0 01:SITE2 13.18 .508 No_date 12:30 35.30 n/a .000
02975# (RDT=1.00) out-> 1.0 01:SITE2 13.18 .508 No_date 12:33 35.30 n/a .000
02976# (1/5/#= 8./ 010./013)
02977# (Dmax=.420;Dmax=.133)
02978# (Dmax=.53;Dmax=.133)
02979# *****
02980# *****
02981# *****
02982# *****
02983# *****
02984# *****
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03060# *****
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[illegible]

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036011 (Vmax=.497;Dmax=.379)
03602 R0150/C00044-----DtnIn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvwm-R-C-----DWfms
03603 ADD HYD + 1.0 02:R6 .81 .067_MoDate 12:14 43.30 n/a .000
03604 + 1.0 02:EXT10 .20 .013_MoDate 12:19 43.13 n/a .000
03605 + 1.0 02:Pre11.1 .07 .008_MoDate 12:06 51.60 n/a .000
03606 + 1.0 02:EXT3a .01 .002_MoDate 12:00 51.60 n/a .000
03607 SUM= 1.0 01:R6 1.10 .087_MoDate 12:14 43.86 n/a .000
03608 R0150/C00047-----DtnIn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvwm-R-C-----DWfms
03609 ROUTE CHANNEL -> 1.0 02:R6 1.10 .087_MoDate 12:14 43.86 n/a .000
03610 [R/T=1.00] out<= 1.0 01:R8 1.10 .085_MoDate 12:17 43.46 n/a .000
03611 (L/S/m= 79./522;/035)
03612 (Vmax=.423;Dmax=.363)
03613 R0150/C00048-----DtnIn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvwm-R-C-----DWfms
03614 ADD HYD + 1.0 02:R8 1.10 .085_MoDate 12:17 43.90 n/a .000
03615 + 1.0 02:EXT7 .44 .030_MoDate 12:10 43.23 n/a .000
03616 + 1.0 02:EXT9 1.53 .114_MoDate 12:18 43.71 n/a .000
03617 R0150/C00049-----DtnIn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvwm-R-C-----DWfms
03618 ROUTE CHANNEL -> 1.0 02:R7 1.53 .114_MoDate 12:18 43.71 n/a .000
03619 [R/T=1.00] out<= 1.0 01:R9 1.53 .114_MoDate 12:18 43.71 n/a .000
03620 (L/S/m= 29./887;/035)
03621 (Vmax=.543;Dmax=.478)
03622 R0150/C00050-----DtnIn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvwm-R-C-----DWfms
03623 ADD HYD + 1.0 02:EXT9 3.57 .242_MoDate 12:23 49.04 n/a .000
03624 + 1.0 02:R9 1.53 .114_MoDate 12:18 43.73 n/a .000
03625 + 1.0 02:EXT8 .83 .068_MoDate 12:19 52.84 n/a .000
03626 + 1.0 02:R5 7.24 .396_MoDate 12:38 55.95 n/a .000
03627 SUM= 1.0 01:R6 13.18 .781_MoDate 12:28 52.47 n/a .000
03628 R0150/C00051-----DtnIn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvwm-R-C-----DWfms
03629 ROUTE PIPE -> 1.0 02:R8 13.18 .781_MoDate 12:28 52.47 n/a .000
03630 [R/T=1.00] out<= 1.0 01:Outlet 13.18 .781_MoDate 12:29 52.47 n/a .000
03631 (L/S/m= 8./010;/013)
03632 (Vmax=.423;Dmax=.363)
03633 (Dme=.53;Dused=1.56)
03634 #####
03635 # STORM
03636 #####
03637 *** END OF RUN : 196
03638
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03644
03645 RUN# COMMAND#
03646 R0199/C0001-----
03647 START
03648 (TZERO=.00 hrs on 0)
03649 [MOUTP= 2 (1=Imperial, 2=metric output)]
03650 [MFORM= 1]
03651 [MUN= 0199]
03652
03653 # SWHYDRO / INPUT DATA FILE
03654
03655 # Project Name : [5923 Ottawa SE]
03656 # Project Number: [P2710 (e01)]
03657 # Date : [2025 April 28]
03658 # Modeller : [NM]
03659 # Company : JFSA Canada Inc.
03660 # License # : 2543237
03661
03662 # Model demands under post demand
03663
03664 R0199/C0002-----
03665 READ STORM
03666 Filename = STORM.001
03667 [SDT=10.0;IDUNE= Type 2 Storm 24 Hours step 10 min, City of Ottawa]
03668 [SDT=10.0;IDUNE= 24.0;PTOT= 106.73]
03669
03670 R0199/C0003-----
03671 DEFAULT VALUES
03672 Filename = C:\Temp\20240327-PostDev\Ottawa.val
03673 ICASEDV = 1 (read and print data)
03674 FileTitle File comment: [Parameters for City of Ottawa Projects]
03675 THE FOLLOWING PARAMETERS ARE USED IN THE DESIGN STANDARD COM
03676 Horton's infiltration equation parameters:
03677 [F= 76.20 mm/hr] [F=13.20 mm/hr] [DCXV= 4.14 /hr] [F= .00 mm]
03678 Parameters for FFWOOD surfaces in STANDARD:
03679 [Igrs= 4.67 mm] [Lgr=40.00 mm] [MHW= 230]
03680 Parameters for IMPVIOB surfaces in STANDARD:
03681 [Ialpm= 1.57 mm] [CL=1.50] [MHW= .013]
03682 Parames used in STANDARD:
03683 [Ia= 4.67 mm] [N= 3.00]
03684 Average monthly Pan Evaporation data in (mm)
03685 JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
03686 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
03687 Average monthly Potential Evaporation (mm)
03688 JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
03689 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
03690
03691 # EXT1
03692
03693 R0199/C00004-----DtnIn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvwm-R-C-----DWfms
03694 CALIB NASHYD 1.0 01:EXT1 3.21 .212_MoDate 12:39 62.92 .589 .000
03695 [Cm= 80.0; N= 3.00; Tpe=.721]
03696
03697 # EXT2
03698
03699 R0199/C00005-----DtnIn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvwm-R-C-----DWfms
03700 CALIB NASHYD 1.0 01:EXT3 .56 .066_MoDate 12:13 62.92 .589 .000
03701 [Cm= 80.0; N= 3.00; Tpe=.331]
03702
03703 # EXT3
03704
03705 R0199/C00006-----DtnIn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvwm-R-C-----DWfms
03706 CALIB NASHYD 1.0 01:EXT3 .56 .066_MoDate 12:13 62.92 .589 .000
03707 [Cm= 80.0; N= 3.00; Tpe=.421]
03708
03709 # EXT4
03710
03711 R0199/C00007-----DtnIn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvwm-R-C-----DWfms
03712 CALIB NASHYD 1.0 01:EXT4 .31 .038_MoDate 12:11 61.42 .576 .000
03713 [Cm= 79.0; N= 3.00; Tpe=.29]
03714
03715 # EXT5
03716
03717 R0199/C00008-----DtnIn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvwm-R-C-----DWfms
03718 CALIB NASHYD 1.0 01:EXT5 .59 .049_MoDate 12:21 57.15 .535 .000
03719 [Cm= 76.0; N= 3.00; Tpe=.451]
03720
03721 # EXT6
03722
03723 R0199/C00009-----DtnIn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvwm-R-C-----DWfms
03724 CALIB NASHYD 1.0 01:EXT6 .86 .078_MoDate 12:28 70.91 .664 .000
03725 [Cm= 80.0; N= 3.00; Tpe=.461]
03726
03727 # EXT7
03728
03729 R0199/C00010-----DtnIn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvwm-R-C-----DWfms
03730 CALIB NASHYD 1.0 01:EXT7 .47 .060_MoDate 12:12 67.40 .633 .000
03731 [Cm= 80.0; N= 3.00; Tpe=.521]
03732
03733 # EXT8
03734
03735 R0199/C00011-----DtnIn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvwm-R-C-----DWfms
03736 CALIB NASHYD 1.0 01:EXT8 .83 .079_MoDate 12:19 61.42 .576 .000
03737 [Cm= 79.0; N= 3.00; Tpe=.421]
03738
03739 # EXT9
03740
03741 R0199/C00012-----DtnIn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvwm-R-C-----DWfms
03742 CALIB NASHYD 1.0 01:EXT9 3.57 .242_MoDate 12:23 49.04 .593 .000
03743 [Cm= 76.0; N= 3.00; Tpe=.481]
03744
03745 # EXT10
03746
03747 R0199/C00013-----DtnIn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvwm-R-C-----DWfms
03748 CALIB NASHYD 1.0 01:EXT10 .01 .003_MoDate 12:00 59.96 .562 .000
03749 [Cm= 78.0; N= 3.00; Tpe=.041]
03750
03751 # EXT11
03752
03753 R0199/C00014-----DtnIn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvwm-R-C-----DWfms
03754 CALIB NASHYD 1.0 01:EXT10 .20 .016_MoDate 12:19 50.61 .474 .000
03755 [Cm= 71.0; N= 3.00; Tpe=.421]
03756
03757 # Pre1.1
03758
03759 R0199/C00015-----DtnIn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvwm-R-C-----DWfms
03760 CALIB NASHYD 1.0 01:Pre1.1 .01 .01_MoDate 12:00 51.66 .484 .000
03761 [Cm= 72.0; N= 3.00; Tpe=.031]
03762
03763 # Pre1.2
03764
03765 R0199/C00016-----DtnIn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvwm-R-C-----DWfms
03766 CALIB NASHYD 1.0 01:Pre1.2 .00 .001_MoDate 12:00 59.95 .562 .000
03767 [Cm= 76.0; N= 3.00; Tpe=.041]
03768
03769 # Pre1.3
03770
03771 R0199/C00017-----DtnIn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvwm-R-C-----DWfms
03772 CALIB NASHYD 1.0 01:Pre1.3 .44 .036_MoDate 12:17 50.61 .474 .000
03773 [Cm= 71.0; N= 3.00; Tpe=.38]
03774
03775 # Pre1.4
03776
03777 R0199/C00018-----DtnIn-ID-INVD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvwm-R-C-----DWfms
03778 CALIB NASHYD 1.0 01:Pre1.4 .01 .003_MoDate 12:00 55.78 .523 .000
03779 [Cm= 75.0; N= 3.00; Tpe=.031]
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03961 *****
03962 ** END OF RUN : 1976
03963
03964
03965
03966
03967
03968
03969
03970 RUN:COMMAND#
03971 R1979:CO0001
03972 START
03973 [ZERO = .00 hrs on 0]
03974 [METOUT = 2 (1=imperial, 2=metric output)]
03975 [METFORM = 1]
03976 [NRUN = 1979]
03977
03978 # SWHYNO / INPUT DATA FILE
03979 *****
03980 # Project Name : [5923 Ottawa St]
03981 # Project Number: [P2710(e01)]
03982 # Date : [2025 April 28]
03983 # Modeler : [NM]
03984 # Company : JFSA Canada Inc.
03985 # License # : 2549237
03986 *****
03987 # Model developed to simulate runoff from subcatchments under post development conditions
03988 *****
03989 R1979:CO0002
03990 HEAD STORM
03991 Filename = STORM.001
03992 Comment = July 1st, 1979 Storm (3H) - Ottawa International Airport step 5 min
03993 [SDT = 5.00IDOW = 3.00PTOT = 83.99]
03994
03995 R1979:CO0003
03996 DEFAULT VALUES
03997 Filename = C:\Temp\20240327-PostDev\Ottawa.val
03998 [CASEDEV = 1 (read and print data)]
03999
04000 *****
04001 The following parameters are used in the DESIGN STANDARD COM
04002 Horton's infiltration equation parameters:
04003 [F = 16.00 mm/hr] [Fw = 13.00 mm/hr] [CCX = 4.14 /hr] [F = .00 mm]
04004 Parameters for PERVIOUS surfaces in STANDARD:
04005 [Igrs = 4.67 mm] [Lgr = 40.00 mm] [MHW = .230]
04006 Parameters for IMPVIOUS surfaces in STANDARD:
04007 [Iaimp = 1.57 mm] [CLim = 1.50] [MHW = .013]
04008 Parameters used in NASHVIT:
04009 [Ia = 4.67 mm] [N = 3.00]
04010 *****
04011 Average monthly Pan Evaporation data in (mm)
04012 JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
04013 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
04014 *****
04015 Average monthly Potential Evapotranspiration in (mm)
04016 JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
04017 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
04018 *****
04019 # EXT1
04020 *****
04021 R1979:CO0004-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04022 CALIB NASHVD 1.0 01:EXT1 3.21 .240 No_date 2:16 44.05 .524 .000
04023 [Cm = 85.0i No 3.00i Tpe = .54]
04024 *****
04025 # EXT2
04026 *****
04027 R1979:CO0005-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04028 CALIB NASHVD 1.0 01:EXT2 .28 .039 No_date 1:50 50.48 .403 .000
04029 [Cm = 85.0i No 3.00i Tpe = .33]
04030 *****
04031 # EXT3
04032 *****
04033 R1979:CO0006-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04034 CALIB NASHVD 1.0 01:EXT3 .56 .067 No_date 1:50 44.05 .524 .000
04035 [Cm = 85.0i No 3.00i Tpe = .54]
04036 *****
04037 # EXT4
04038 *****
04039 R1979:CO0007-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04040 CALIB NASHVD 1.0 01:EXT4 .31 .038 No_date 1:48 42.84 .510 .000
04041 [Cm = 79.0i No 3.00i Tpe = .29]
04042 *****
04043 # EXT5
04044 *****
04045 R1979:CO0008-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04046 CALIB NASHVD 1.0 01:EXT5 .59 .054 No_date 2:01 39.44 .470 .000
04047 [Cm = 76.0i No 3.00i Tpe = .45]
04048 *****
04049 # EXT6
04050 *****
04051 R1979:CO0009-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04052 CALIB NASHVD 1.0 01:EXT6 .86 .088 No_date 2:06 50.68 .403 .000
04053 [Cm = 85.0i No 3.00i Tpe = .54]
04054 *****
04055 # EXT7
04056 *****
04057 R1979:CO0010-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04058 CALIB NASHVD 1.0 01:EXT7 .01 .065 No_date 1:30 45.92 .421 .000
04059 [Cm = 83.0i No 3.00i Tpe = .52]
04060 *****
04061 # EXT8
04062 *****
04063 R1979:CO0011-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04064 CALIB NASHVD 1.0 01:EXT8 .83 .085 No_date 1:58 42.85 .510 .000
04065 [Cm = 79.0i No 3.00i Tpe = .29]
04066 *****
04067 # EXT9
04068 *****
04069 R1979:CO0012-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04070 CALIB NASHVD 1.0 01:EXT9 3.57 .311 No_date 2:03 39.44 .470 .000
04071 [Cm = 76.0i No 3.00i Tpe = .48]
04072 *****
04073 # EXT10
04074 *****
04075 R1979:CO0013-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04076 CALIB NASHVD 1.0 01:EXT10 .01 .002 No_date 1:30 41.67 .496 .000
04077 [Cm = 78.0i No 3.00i Tpe = .04]
04078 *****
04079 # EXT11
04080 *****
04081 R1979:CO0014-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04082 CALIB NASHVD 1.0 01:EXT11 .20 .017 No_date 1:59 34.36 .409 .000
04083 [Cm = 71.0i No 3.00i Tpe = .29]
04084 *****
04085 # EXT12
04086 *****
04087 R1979:CO0015-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04088 CALIB NASHVD 1.0 01:EXT12 .01 .002 No_date 1:30 38.36 .457 .000
04089 [Cm = 72.0i No 3.00i Tpe = .03]
04090 *****
04091 # EXT13
04092 *****
04093 R1979:CO0016-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04094 CALIB NASHVD 1.0 01:EXT13 3.57 .311 No_date 2:03 39.44 .470 .000
04095 [Cm = 76.0i No 3.00i Tpe = .48]
04096 *****
04097 # EXT14
04098 *****
04099 R1979:CO0017-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04100 CALIB NASHVD 1.0 01:EXT14 3.57 .311 No_date 2:03 39.44 .470 .000
04101 [Cm = 76.0i No 3.00i Tpe = .48]
04102 *****
04103 # EXT15
04104 *****
04105 R1979:CO0018-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04106 CALIB NASHVD 1.0 01:EXT15 3.57 .311 No_date 2:03 39.44 .470 .000
04107 [Cm = 76.0i No 3.00i Tpe = .48]
04108 *****
04109 # EXT16
04110 *****
04111 R1979:CO0019-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04112 CALIB NASHVD 1.0 01:EXT16 3.57 .311 No_date 2:03 39.44 .470 .000
04113 [Cm = 76.0i No 3.00i Tpe = .48]
04114 *****
04115 # EXT17
04116 *****
04117 R1979:CO0020-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04118 CALIB NASHVD 1.0 01:EXT17 3.57 .311 No_date 2:03 39.44 .470 .000
04119 [Cm = 76.0i No 3.00i Tpe = .48]
04120 *****
04121 # EXT18
04122 *****
04123 R1979:CO0021-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04124 CALIB NASHVD 1.0 01:EXT18 3.57 .311 No_date 2:03 39.44 .470 .000
04125 [Cm = 76.0i No 3.00i Tpe = .48]
04126 *****
04127 # EXT19
04128 *****
04129 R1979:CO0022-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04130 CALIB NASHVD 1.0 01:EXT19 3.57 .311 No_date 2:03 39.44 .470 .000
04131 [Cm = 76.0i No 3.00i Tpe = .48]
04132 *****
04133 # EXT20
04134 *****
04135 R1979:CO0023-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04136 CALIB NASHVD 1.0 01:EXT20 3.57 .311 No_date 2:03 39.44 .470 .000
04137 [Cm = 76.0i No 3.00i Tpe = .48]
04138 *****
04139 # EXT21
04140 *****
04141 R1979:CO0024-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04142 CALIB NASHVD 1.0 01:EXT21 3.57 .311 No_date 2:03 39.44 .470 .000
04143 [Cm = 76.0i No 3.00i Tpe = .48]
04144 *****
04145 # EXT22
04146 *****
04147 R1979:CO0025-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04148 CALIB NASHVD 1.0 01:EXT22 3.57 .311 No_date 2:03 39.44 .470 .000
04149 [Cm = 76.0i No 3.00i Tpe = .48]
04150 *****
04151 # EXT23
04152 *****
04153 R1979:CO0026-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04154 CALIB NASHVD 1.0 01:EXT23 3.57 .311 No_date 2:03 39.44 .470 .000
04155 [Cm = 76.0i No 3.00i Tpe = .48]
04156 *****
04157 # EXT24
04158 *****
04159 R1979:CO0027-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04160 CALIB NASHVD 1.0 01:EXT24 3.57 .311 No_date 2:03 39.44 .470 .000
04161 [Cm = 76.0i No 3.00i Tpe = .48]
04162 *****
04163 # EXT25
04164 *****
04165 R1979:CO0028-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04166 CALIB NASHVD 1.0 01:EXT25 3.57 .311 No_date 2:03 39.44 .470 .000
04167 [Cm = 76.0i No 3.00i Tpe = .48]
04168 *****
04169 # EXT26
04170 *****
04171 R1979:CO0029-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04172 CALIB NASHVD 1.0 01:EXT26 3.57 .311 No_date 2:03 39.44 .470 .000
04173 [Cm = 76.0i No 3.00i Tpe = .48]
04174 *****
04175 # EXT27
04176 *****
04177 R1979:CO0030-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04178 CALIB NASHVD 1.0 01:EXT27 3.57 .311 No_date 2:03 39.44 .470 .000
04179 [Cm = 76.0i No 3.00i Tpe = .48]
04180 *****
04181 # EXT28
04182 *****
04183 R1979:CO0031-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04184 CALIB NASHVD 1.0 01:EXT28 3.57 .311 No_date 2:03 39.44 .470 .000
04185 [Cm = 76.0i No 3.00i Tpe = .48]
04186 *****
04187 # EXT29
04188 *****
04189 R1979:CO0032-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04190 CALIB NASHVD 1.0 01:EXT29 3.57 .311 No_date 2:03 39.44 .470 .000
04191 [Cm = 76.0i No 3.00i Tpe = .48]
04192 *****
04193 # EXT30
04194 *****
04195 R1979:CO0033-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04196 CALIB NASHVD 1.0 01:EXT30 3.57 .311 No_date 2:03 39.44 .470 .000
04197 [Cm = 76.0i No 3.00i Tpe = .48]
04198 *****
04199 # EXT31
04200 *****
04201 R1979:CO0034-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04202 CALIB NASHVD 1.0 01:EXT31 3.57 .311 No_date 2:03 39.44 .470 .000
04203 [Cm = 76.0i No 3.00i Tpe = .48]
04204 *****
04205 # EXT32
04206 *****
04207 R1979:CO0035-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04208 CALIB NASHVD 1.0 01:EXT32 3.57 .311 No_date 2:03 39.44 .470 .000
04209 [Cm = 76.0i No 3.00i Tpe = .48]
04210 *****
04211 # EXT33
04212 *****
04213 R1979:CO0036-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04214 CALIB NASHVD 1.0 01:EXT33 3.57 .311 No_date 2:03 39.44 .470 .000
04215 [Cm = 76.0i No 3.00i Tpe = .48]
04216 *****
04217 # EXT34
04218 *****
04219 R1979:CO0037-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04220 CALIB NASHVD 1.0 01:EXT34 3.57 .311 No_date 2:03 39.44 .470 .000
04221 [Cm = 76.0i No 3.00i Tpe = .48]
04222 *****
04223 # EXT35
04224 *****
04225 R1979:CO0038-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04226 CALIB NASHVD 1.0 01:EXT35 3.57 .311 No_date 2:03 39.44 .470 .000
04227 [Cm = 76.0i No 3.00i Tpe = .48]
04228 *****
04229 # EXT36
04230 *****
04231 R1979:CO0039-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04232 CALIB NASHVD 1.0 01:EXT36 3.57 .311 No_date 2:03 39.44 .470 .000
04233 [Cm = 76.0i No 3.00i Tpe = .48]
04234 *****
04235 # EXT37
04236 *****
04237 R1979:CO0040-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04238 CALIB NASHVD 1.0 01:EXT37 3.57 .311 No_date 2:03 39.44 .470 .000
04239 [Cm = 76.0i No 3.00i Tpe = .48]
04240 *****
04241 # EXT38
04242 *****
04243 R1979:CO0041-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04244 CALIB NASHVD 1.0 01:EXT38 3.57 .311 No_date 2:03 39.44 .470 .000
04245 [Cm = 76.0i No 3.00i Tpe = .48]
04246 *****
04247 # EXT39
04248 *****
04249 R1979:CO0042-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04250 CALIB NASHVD 1.0 01:EXT39 3.57 .311 No_date 2:03 39.44 .470 .000
04251 [Cm = 76.0i No 3.00i Tpe = .48]
04252 *****
04253 # EXT40
04254 *****
04255 R1979:CO0043-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04256 CALIB NASHVD 1.0 01:EXT40 3.57 .311 No_date 2:03 39.44 .470 .000
04257 [Cm = 76.0i No 3.00i Tpe = .48]
04258 *****
04259 # EXT41
04260 *****
04261 R1979:CO0044-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04262 CALIB NASHVD 1.0 01:EXT41 3.57 .311 No_date 2:03 39.44 .470 .000
04263 [Cm = 76.0i No 3.00i Tpe = .48]
04264 *****
04265 # EXT42
04266 *****
04267 R1979:CO0045-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04268 CALIB NASHVD 1.0 01:EXT42 3.57 .311 No_date 2:03 39.44 .470 .000
04269 [Cm = 76.0i No 3.00i Tpe = .48]
04270 *****
04271 # EXT43
04272 *****
04273 R1979:CO0046-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04274 CALIB NASHVD 1.0 01:EXT43 3.57 .311 No_date 2:03 39.44 .470 .000
04275 [Cm = 76.0i No 3.00i Tpe = .48]
04276 *****
04277 # EXT44
04278 *****
04279 R1979:CO0047-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04280 CALIB NASHVD 1.0 01:EXT44 3.57 .311 No_date 2:03 39.44 .470 .000
04281 [Cm = 76.0i No 3.00i Tpe = .48]
04282 *****
04283 # EXT45
04284 *****
04285 R1979:CO0048-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04286 CALIB NASHVD 1.0 01:EXT45 3.57 .311 No_date 2:03 39.44 .470 .000
04287 [Cm = 76.0i No 3.00i Tpe = .48]
04288 *****
04289 # EXT46
04290 *****
04291 R1979:CO0049-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04292 CALIB NASHVD 1.0 01:EXT46 3.57 .311 No_date 2:03 39.44 .470 .000
04293 [Cm = 76.0i No 3.00i Tpe = .48]
04294 *****
04295 # EXT47
04296 *****
04297 R1979:CO0050-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04298 CALIB NASHVD 1.0 01:EXT47 3.57 .311 No_date 2:03 39.44 .470 .000
04299 [Cm = 76.0i No 3.00i Tpe = .48]
04300 *****
04301 # EXT48
04302 *****
04303 R1979:CO0051-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04304 CALIB NASHVD 1.0 01:EXT48 3.57 .311 No_date 2:03 39.44 .470 .000
04305 [Cm = 76.0i No 3.00i Tpe = .48]
04306 *****
04307 # EXT49
04308 *****
04309 R1979:CO0052-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04310 CALIB NASHVD 1.0 01:EXT49 3.57 .311 No_date 2:03 39.44 .470 .000
04311 [Cm = 76.0i No 3.00i Tpe = .48]
04312 *****
04313 # EXT50
04314 *****
04315 R1979:CO0053-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04316 CALIB NASHVD 1.0 01:EXT50 3.57 .311 No_date 2:03 39.44 .470 .000
04317 [Cm = 76.0i No 3.00i Tpe = .48]
04318 *****
04319 # EXT51
04320 *****
04321 R1979:CO0054-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04322 CALIB NASHVD 1.0 01:EXT51 3.57 .311 No_date 2:03 39.44 .470 .000
04323 [Cm = 76.0i No 3.00i Tpe = .48]
04324 *****
04325 # EXT52
04326 *****
04327 R1979:CO0055-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04328 CALIB NASHVD 1.0 01:EXT52 3.57 .311 No_date 2:03 39.44 .470 .000
04329 [Cm = 76.0i No 3.00i Tpe = .48]
04330 *****
04331 # EXT53
04332 *****
04333 R1979:CO0056-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04334 CALIB NASHVD 1.0 01:EXT53 3.57 .311 No_date 2:03 39.44 .470 .000
04335 [Cm = 76.0i No 3.00i Tpe = .48]
04336 *****
04337 # EXT54
04338 *****
04339 R1979:CO0057-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04340 CALIB NASHVD 1.0 01:EXT54 3.57 .311 No_date 2:03 39.44 .470 .000
04341 [Cm = 76.0i No 3.00i Tpe = .48]
04342 *****
04343 # EXT55
04344 *****
04345 R1979:CO0058-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04346 CALIB NASHVD 1.0 01:EXT55 3.57 .311 No_date 2:03 39.44 .470 .000
04347 [Cm = 76.0i No 3.00i Tpe = .48]
04348 *****
04349 # EXT56
04350 *****
04351 R1979:CO0059-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04352 CALIB NASHVD 1.0 01:EXT56 3.57 .311 No_date 2:03 39.44 .470 .000
04353 [Cm = 76.0i No 3.00i Tpe = .48]
04354 *****
04355 # EXT57
04356 *****
04357 R1979:CO0060-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04358 CALIB NASHVD 1.0 01:EXT57 3.57 .311 No_date 2:03 39.44 .470 .000
04359 [Cm = 76.0i No 3.00i Tpe = .48]
04360 *****
04361 # EXT58
04362 *****
04363 R1979:CO0061-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04364 CALIB NASHVD 1.0 01:EXT58 3.57 .311 No_date 2:03 39.44 .470 .000
04365 [Cm = 76.0i No 3.00i Tpe = .48]
04366 *****
04367 # EXT59
04368 *****
04369 R1979:CO0062-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04370 CALIB NASHVD 1.0 01:EXT59 3.57 .311 No_date 2:03 39.44 .470 .000
04371 [Cm = 76.0i No 3.00i Tpe = .48]
04372 *****
04373 # EXT60
04374 *****
04375 R1979:CO0063-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04376 CALIB NASHVD 1.0 01:EXT60 3.57 .311 No_date 2:03 39.44 .470 .000
04377 [Cm = 76.0i No 3.00i Tpe = .48]
04378 *****
04379 # EXT61
04380 *****
04381 R1979:CO0064-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04382 CALIB NASHVD 1.0 01:EXT61 3.57 .311 No_date 2:03 39.44 .470 .000
04383 [Cm = 76.0i No 3.00i Tpe = .48]
04384 *****
04385 # EXT62
04386 *****
04387 R1979:CO0065-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04388 CALIB NASHVD 1.0 01:EXT62 3.57 .311 No_date 2:03 39.44 .470 .000
04389 [Cm = 76.0i No 3.00i Tpe = .48]
04390 *****
04391 # EXT63
04392 *****
04393 R1979:CO0066-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04394 CALIB NASHVD 1.0 01:EXT63 3.57 .311 No_date 2:03 39.44 .470 .000
04395 [Cm = 76.0i No 3.00i Tpe = .48]
04396 *****
04397 # EXT64
04398 *****
04399 R1979:CO0067-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04400 CALIB NASHVD 1.0 01:EXT64 3.57 .311 No_date 2:03 39.44 .470 .000
04401 [Cm = 76.0i No 3.00i Tpe = .48]
04402 *****
04403 # EXT65
04404 *****
04405 R1979:CO0068-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04406 CALIB NASHVD 1.0 01:EXT65 3.57 .311 No_date 2:03 39.44 .470 .000
04407 [Cm = 76.0i No 3.00i Tpe = .48]
04408 *****
04409 # EXT66
04410 *****
04411 R1979:CO0069-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04412 CALIB NASHVD 1.0 01:EXT66 3.57 .311 No_date 2:03 39.44 .470 .000
04413 [Cm = 76.0i No 3.00i Tpe = .48]
04414 *****
04415 # EXT67
04416 *****
04417 R1979:CO0070-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04418 CALIB NASHVD 1.0 01:EXT67 3.57 .311 No_date 2:03 39.44 .470 .000
04419 [Cm = 76.0i No 3.00i Tpe = .48]
04420 *****
04421 # EXT68
04422 *****
04423 R1979:CO0071-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04424 CALIB NASHVD 1.0 01:EXT68 3.57 .311 No_date 2:03 39.44 .470 .000
04425 [Cm = 76.0i No 3.00i Tpe = .48]
04426 *****
04427 # EXT69
04428 *****
04429 R1979:CO0072-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04430 CALIB NASHVD 1.0 01:EXT69 3.57 .311 No_date 2:03 39.44 .470 .000
04431 [Cm = 76.0i No 3.00i Tpe = .48]
04432 *****
04433 # EXT70
04434 *****
04435 R1979:CO0073-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04436 CALIB NASHVD 1.0 01:EXT70 3.57 .311 No_date 2:03 39.44 .470 .000
04437 [Cm = 76.0i No 3.00i Tpe = .48]
04438 *****
04439 # EXT71
04440 *****
04441 R1979:CO0074-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04442 CALIB NASHVD 1.0 01:EXT71 3.57 .311 No_date 2:03 39.44 .470 .000
04443 [Cm = 76.0i No 3.00i Tpe = .48]
04444 *****
04445 # EXT72
04446 *****
04447 R1979:CO0075-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04448 CALIB NASHVD 1.0 01:EXT72 3.57 .311 No_date 2:03 39.44 .470 .000
04449 [Cm = 76.0i No 3.00i Tpe = .48]
04450 *****
04451 # EXT73
04452 *****
04453 R1979:CO0076-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04454 CALIB NASHVD 1.0 01:EXT73 3.57 .311 No_date 2:03 39.44 .470 .000
04455 [Cm = 76.0i No 3.00i Tpe = .48]
04456 *****
04457 # EXT74
04458 *****
04459 R1979:CO0077-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04460 CALIB NASHVD 1.0 01:EXT74 3.57 .311 No_date 2:03 39.44 .470 .000
04461 [Cm = 76.0i No 3.00i Tpe = .48]
04462 *****
04463 # EXT75
04464 *****
04465 R1979:CO0078-----Dtn-ID:INVD-----AREAh-QFEARms-TpeakDate_hh:mm-----Rvm-R-C-----DWfms
04466 CALIB NASHVD 1.0 01:EXT75 3.57 .311 No_date 2:03 39.44 .470 .000
04467 [Cm = 76.0i No 3.00i Tpe = .4
```

```
043221 DEFAULT VALUES
043222 FileName = C:\Temp\20260327-PostDev\Ottawa.val
043223 ICASESW = 1 (read and print data)
043224 FileTitle= File comment: (Parameters for City of Ottawa Projects)
043225 THE FOLLOWING PARAMETERS ARE USED IN THE DESIGN STANDYRDY COM
043226 Horton's infiltration equation parameters:
043227 [Pw 76.20 mm/hr] [Fw=1.20 mm/hr] [ICAN= 4.14 /hr] [Fw=.00 mm]
043228 Parameters for PERVIOUS surfaces in STANDYRDY:
043229 [Iagpe = 4.67 mm] [LGP=40.00 m] [MNM=.250]
043230 Parameters for IMPERVIOUS surfaces in STANDYRDY:
043231 [Ialmp = 1.57 mm] [CL=1.50] [MNM=.013]
043232 Parameters used in NASHYD:
043233 [Iaw = 4.67 mm] [N= 3.00]
043234 Average monthly Pan Evaporation data in (mm)
043235 JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
043236 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
043237 Average monthly Potential Evapotranspiration in (mm)
043238 JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
043239 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
043240 *****
043241 # EXT1
043242 *****
043243 R1988:C00004-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
043244 CALIB NASHYD 1.0 01:EXT1 3.21 .197 No_date 2:30 41.34 .513 .000
043245 [Cm= 80.0; N= 3.00; Tpe=.29]
043246 *****
043247 # EXT2
043248 *****
043249 R1988:C00005-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
043250 CALIB NASHYD 1.0 01:EXT2 .28 .035 No_date 2:11 47.74 .592 .000
043251 [Cm= 85.0; N= 3.00; Tpe=.33]
043252 *****
043253 # EXT3
043254 *****
043255 R1988:C00006-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
043256 CALIB NASHYD 1.0 01:EXT3 .56 .061 No_date 2:11 41.34 .513 .000
043257 [Cm= 80.0; N= 3.00; Tpe=.29]
043258 *****
043259 # EXT4
043260 *****
043261 R1988:C00007-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
043262 CALIB NASHYD 1.0 01:EXT4 .31 .035 No_date 2:10 40.18 .499 .000
043263 [Cm= 79.0; N= 3.00; Tpe=.29]
043264 *****
043265 # EXT5
043266 *****
043267 R1988:C00008-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
043268 CALIB NASHYD 1.0 01:EXT5 .59 .046 No_date 2:17 36.92 .458 .000
043269 [Cm= 76.0; N= 3.00; Tpe=.45]
043270 *****
043271 # EXT6
043272 *****
043273 R1988:C00009-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
043274 CALIB NASHYD 1.0 01:EXT6 .86 .074 No_date 2:21 47.74 .592 .000
043275 [Cm= 85.0; N= 3.00; Tpe=.51]
043276 *****
043277 # EXT7
043278 *****
043279 R1988:C00010-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
043280 CALIB NASHYD 1.0 01:EXT7 .03 .003 No_date 2:00 39.05 .489 .000
043281 [Cm= 83.0; N= 3.00; Tpe=.52]
043282 *****
043283 # EXT8
043284 *****
043285 R1988:C00011-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
043286 CALIB NASHYD 1.0 01:EXT8 .83 .074 No_date 2:15 40.18 .499 .000
043287 [Cm= 79.0; N= 3.00; Tpe=.45]
043288 *****
043289 # EXT9
043290 *****
043291 R1988:C00012-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
043292 CALIB NASHYD 1.0 01:EXT9 3.57 .266 No_date 2:18 36.92 .458 .000
043293 [Cm= 76.0; N= 3.00; Tpe=.48]
043294 *****
043295 # EXT9a
043296 *****
043297 R1988:C00013-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
043298 CALIB NASHYD 1.0 01:EXT9a .01 .003 No_date 2:00 39.05 .489 .000
043299 [Cm= 78.0; N= 3.00; Tpe=.04]
043300 *****
043301 # EXT10
043302 *****
043303 R1988:C00014-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
043304 CALIB NASHYD 1.0 01:EXT10 .20 .014 No_date 2:16 32.08 .398 .000
043305 [Cm= 71.0; N= 3.00; Tpe=.29]
043306 *****
043307 # Pre1_1
043308 *****
043309 R1988:C00015-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
043310 CALIB NASHYD 1.0 01:Pre1_1 .03 .003 No_date 2:00 39.05 .489 .000
043311 [Cm= 72.0; N= 3.00; Tpe=.03]
043312 *****
043313 # Pre2_2
043314 *****
043315 R1988:C00016-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
043316 CALIB NASHYD 1.0 01:Pre2_2 .00 .001 No_date 2:00 39.04 .484 .000
043317 [Cm= 71.0; N= 3.00; Tpe=.03]
043318 *****
043319 # Pre1_2
043320 *****
043321 R1988:C00017-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
043322 CALIB NASHYD 1.0 01:Pre1_2 .44 .033 No_date 2:14 32.08 .398 .000
043323 [Cm= 71.0; N= 3.00; Tpe=.38]
043324 *****
043325 # Pre2_2
043326 *****
043327 R1988:C00018-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
043328 CALIB NASHYD 1.0 01:Pre2_2 .01 .004 No_date 2:00 35.89 .445 .000
043329 [Cm= 75.0; N= 3.00; Tpe=.03]
043330 *****
043331 # Pre1_1
043332 *****
043333 R1988:C00019-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
043334 CALIB NASHYD 1.0 01:Pre1_1 .80 .072 No_date 2:10 32.08 .398 .000
043335 [Cm= 71.0; N= 3.00; Tpe=.29]
043336 *****
043337 # Pre1_1
043338 *****
043339 R1988:C00020-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
043340 CALIB NASHYD 1.0 01:Pre1_1 .09 .009 No_date 2:00 39.06 .489 .000
043341 [Cm= 78.0; N= 3.00; Tpe=.21]
043342 *****
043343 # Site 1
043344 *****
043345 R1988:C00021-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
043346 DESIGN STANDYRDY 1.0 01:SI-B1 .42 .105 No_date 2:00 54.85 .681 .000
043347 [XMP= 31.71TMP= 41]
043348 [SLP= 1.00DT= 1.00]
043349 [LOGS= 1 : HORTONS]
043350 *****
043351 # Site 1 - Roof
043352 *****
043353 R1988:C00022-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
043354 DESIGN STANDYRDY 1.0 01:SI-Roof .06 .028 No_date 2:00 78.59 .975 .000
043355 [XMP= 99.71TMP= 99]
043356 [SLP= 1.00DT= 1.00]
043357 [LOGS= 1 : HORTONS]
043358 *****
043359 R1988:C00023-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
043360 ROUTE RESERVOIR -> 1.0 02:SI-Roof .06 .028 No_date 2:00 78.59 n/a .000
043361 out <= 1.0 02:SI-Roof-Ov .06 .008 No_date 2:00 78.59 n/a .000
043362 overflow <= 1.0 03:SI-Roof-Ov .00 .020 No_date 2:00 78.59 n/a .000
043363 [MstColsead= 16628-01 m3, TotOfVol= 1.935E+00 m3, N-Ovr= 1, TotDurOfVol= 0.hrs]
043364 R1988:C00024-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
043365 ADD HYD 1.0 02:SI-B1 .42 .105 No_date 2:00 54.85 n/a .000
043366 + 1.0 02:SI-Roof-Ov .06 .008 No_date 2:00 78.59 n/a .000
043367 + 1.0 02:SI-Roof-Ov .00 .020 No_date 2:00 78.59 n/a .000
043368 SUM= 1.0 02:SI-Roof-Ov .06 .008 No_date 2:00 78.59 n/a .000
043369 R1988:C00025-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
043370 ROUTE RESERVOIR -> 1.0 02:SI-B1 .48 .133 No_date 2:00 58.05 n/a .000
043371 out <= 1.0 02:SI-B1-Out .48 .010 No_date 2:30 58.05 n/a .000
043372 overflow <= 1.0 03:SI-B1-Out .00 .000 No_date 0:00 .00 n/a .000
043373 [MstColsead= 18778-02 m3, TotOfVol= 0.000E+00 m3, N-Ovr= 0, TotDurOfVol= 0.hrs]
043374 *****
043375 # Site 2
043376 *****
043377 R1988:C00026-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
043378 DESIGN STANDYRDY 1.0 01:SI-B3 .36 .088 No_date 2:00 53.63 .665 .000
043379 [XMP= 31.71TMP= 41]
043380 [LOGS= 1 : HORTONS]
043381 *****
043382 # Site 2 - Roof
043383 *****
043384 R1988:C00027-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
043385 DESIGN STANDYRDY 1.0 01:SI-Roof .09 .040 No_date 2:00 78.59 .975 .000
043386 [XMP= 99.71TMP= 99]
043387 [SLP= 1.00DT= 1.00]
043388 [LOGS= 1 : HORTONS]
043389 *****
043390 R1988:C00028-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
043391 ROUTE RESERVOIR -> 1.0 02:SI-Roof .09 .040 No_date 2:00 78.59 n/a .000
043392 out <= 1.0 02:SI-Roof-Ov .09 .012 No_date 2:00 78.59 n/a .000
043393 overflow <= 1.0 03:SI-Roof-Ov .00 .020 No_date 2:00 78.59 n/a .000
043394 [MstColsead= 3446-02 m3, TotOfVol= 1.697E-01 m3, N-Ovr= 1, TotDurOfVol= 0.hrs]
043395 R1988:C00029-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
043396 ADD HYD 1.0 02:SI-B3 .36 .088 No_date 2:00 53.63 n/a .000
043397 + 1.0 02:SI-Roof-Ov .00 .012 No_date 2:00 78.59 n/a .000
043398 + 1.0 02:SI-Roof-Ov .00 .020 No_date 2:00 78.59 n/a .000
043399 SUM= 1.0 02:SI-Roof-Ov .00 .020 No_date 2:00 78.59 n/a .000
043400 R1988:C00030-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
044001 ROUTE RESERVOIR -> 1.0 02:SITE2-IN .45 .128 No_date 2:00 58.79 n/a .000
044002 out <= 1.0 02:SITE2-Out .45 .010 No_date 2:30 58.79 n/a .000
044003 overflow <= 1.0 03:SITE2-Over .00 .000 No_date 0:00 .00 n/a .000
044004 [MstColsead= 16628-01 m3, TotOfVol= 1.935E+00 m3, N-Ovr= 1, TotDurOfVol= 0.hrs]
044005 R1988:C00031-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
044006 ADD HYD 1.0 02:SITE1-Out .48 .010 No_date 2:30 58.05 n/a .000
044007 + 1.0 02:SITE1-Over .48 .010 No_date 2:30 58.05 n/a .000
044008 SUM= 1.0 02:SITE1 .123 .053 No_date 2:11 55.67 n/a .000
044009 R1988:C00034-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
044010 ROUTE CHANNEL -> 1.0 02:SITE1-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
044011 [RDT= 1.00] out-< 1.0 01:R1 .123 .053 No_date 2:11 55.67 n/a .000
044012 [L/S/Fm= 143.7 /394 /038]
044013 [Vmax= 354;Dmax= 147]
044014 R1988:C00035-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
044015 ADD HYD 1.0 02:EXT1 .59 .061 No_date 2:16 41.34 n/a .000
044016 + 1.0 02:EXT3 .56 .061 No_date 2:11 41.34 n/a .000
044017 SUM= 1.0 02:EXT1 1.21 .197 No_date 2:10 41.34 n/a .000
044018 R1988:C00036-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
044019 ROUTE CHANNEL -> 1.0 02:EXT1-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
044020 [RDT= 1.00] out-< 1.0 01:R2 .288 No_date 2:12 44.87 n/a .000
044021 [L/S/Fm= 251.7 /776 /038]
044022 [Vmax= 542;Dmax= 297]
044023 R1988:C00037-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
044024 ADD HYD 1.0 02:EXT2 .28 .035 No_date 2:11 47.74 n/a .000
044025 + 1.0 02:EXT4 .31 .035 No_date 2:10 40.18 n/a .000
044026 SUM= 1.0 02:EXT4 5.31 .213 No_date 2:10 40.18 n/a .000
044027 R1988:C00038-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
044028 ROUTE CHANNEL -> 1.0 02:EXT3-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
044029 [RDT= 1.00] out-< 1.0 02:EXT3 5.31 .213 No_date 2:20 44.59 n/a .000
044030 [L/S/Fm= 92.7 /274 /038]
044031 [Vmax= 443;Dmax= 138]
044032 R1988:C00039-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
044033 ADD HYD 1.0 02:EXT2 .59 .061 No_date 2:16 41.34 n/a .000
044034 + 1.0 02:EXT6 .86 .074 No_date 2:21 47.74 n/a .000
044035 SUM= 1.0 02:EXT6 4.7 .035 No_date 2:11 45.05 n/a .000
044036 R1988:C00040-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
044037 ROUTE CHANNEL -> 1.0 02:EXT4-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
044038 [RDT= 1.00] out-< 1.0 02:EXT4 5.90 .355 No_date 2:12 43.82 n/a .000
044039 [L/S/Fm= 251.7 /776 /038]
044040 [Vmax= 441;Dmax= 133]
044041 R1988:C00041-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
044042 ADD HYD 1.0 02:EXT2 .59 .061 No_date 2:16 41.34 n/a .000
044043 + 1.0 02:EXT6 .86 .074 No_date 2:21 47.74 n/a .000
044044 SUM= 1.0 02:EXT6 4.7 .035 No_date 2:11 45.05 n/a .000
044045 R1988:C00042-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
044046 ROUTE CHANNEL -> 1.0 02:EXT4-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
044047 [RDT= 1.00] out-< 1.0 02:EXT4 5.90 .355 No_date 2:12 43.82 n/a .000
044048 [L/S/Fm= 251.7 /776 /038]
044049 [Vmax= 441;Dmax= 133]
044050 R1988:C00043-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
044051 ADD HYD 1.0 02:EXT2 .59 .061 No_date 2:16 41.34 n/a .000
044052 + 1.0 02:EXT6 .86 .074 No_date 2:21 47.74 n/a .000
044053 SUM= 1.0 02:EXT6 4.7 .035 No_date 2:11 45.05 n/a .000
044054 R1988:C00044-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
044055 ROUTE CHANNEL -> 1.0 02:EXT4-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
044056 [RDT= 1.00] out-< 1.0 02:EXT4 5.90 .355 No_date 2:12 43.82 n/a .000
044057 [L/S/Fm= 251.7 /776 /038]
044058 [Vmax= 441;Dmax= 133]
044059 R1988:C00045-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
044060 ADD HYD 1.0 02:EXT2 .59 .061 No_date 2:16 41.34 n/a .000
044061 + 1.0 02:EXT6 .86 .074 No_date 2:21 47.74 n/a .000
044062 SUM= 1.0 02:EXT6 4.7 .035 No_date 2:11 45.05 n/a .000
044063 R1988:C00046-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
044064 ROUTE CHANNEL -> 1.0 02:EXT4-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
044065 [RDT= 1.00] out-< 1.0 02:EXT4 5.90 .355 No_date 2:12 43.82 n/a .000
044066 [L/S/Fm= 251.7 /776 /038]
044067 [Vmax= 441;Dmax= 133]
044068 R1988:C00047-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
044069 ADD HYD 1.0 02:EXT2 .59 .061 No_date 2:16 41.34 n/a .000
044070 + 1.0 02:EXT6 .86 .074 No_date 2:21 47.74 n/a .000
044071 SUM= 1.0 02:EXT6 4.7 .035 No_date 2:11 45.05 n/a .000
044072 R1988:C00048-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
044073 ROUTE CHANNEL -> 1.0 02:EXT4-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
044074 [RDT= 1.00] out-< 1.0 02:EXT4 5.90 .355 No_date 2:12 43.82 n/a .000
044075 [L/S/Fm= 251.7 /776 /038]
044076 [Vmax= 441;Dmax= 133]
044077 R1988:C00049-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
044078 ADD HYD 1.0 02:EXT2 .59 .061 No_date 2:16 41.34 n/a .000
044079 + 1.0 02:EXT6 .86 .074 No_date 2:21 47.74 n/a .000
044080 SUM= 1.0 02:EXT6 4.7 .035 No_date 2:11 45.05 n/a .000
044081 R1988:C00050-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
044082 ROUTE CHANNEL -> 1.0 02:EXT4-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
044083 [RDT= 1.00] out-< 1.0 02:EXT4 5.90 .355 No_date 2:12 43.82 n/a .000
044084 [L/S/Fm= 251.7 /776 /038]
044085 [Vmax= 441;Dmax= 133]
044086 R1988:C00051-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
044087 ADD HYD 1.0 02:EXT2 .59 .061 No_date 2:16 41.34 n/a .000
044088 + 1.0 02:EXT6 .86 .074 No_date 2:21 47.74 n/a .000
044089 SUM= 1.0 02:EXT6 4.7 .035 No_date 2:11 45.05 n/a .000
044090 R1988:C00052-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
044091 ROUTE CHANNEL -> 1.0 02:EXT4-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
044092 [RDT= 1.00] out-< 1.0 02:EXT4 5.90 .355 No_date 2:12 43.82 n/a .000
044093 [L/S/Fm= 251.7 /776 /038]
044094 [Vmax= 441;Dmax= 133]
044095 R1988:C00053-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
044096 ADD HYD 1.0 02:EXT2 .59 .061 No_date 2:16 41.34 n/a .000
044097 + 1.0 02:EXT6 .86 .074 No_date 2:21 47.74 n/a .000
044098 SUM= 1.0 02:EXT6 4.7 .035 No_date 2:11 45.05 n/a .000
044099 R1988:C00054-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
044100 ROUTE CHANNEL -> 1.0 02:EXT4-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
044101 [RDT= 1.00] out-< 1.0 02:EXT4 5.90 .355 No_date 2:12 43.82 n/a .000
044102 [L/S/Fm= 251.7 /776 /038]
044103 [Vmax= 441;Dmax= 133]
044104 R1988:C00055-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
044105 ADD HYD 1.0 02:EXT2 .59 .061 No_date 2:16 41.34 n/a .000
044106 + 1.0 02:EXT6 .86 .074 No_date 2:21 47.74 n/a .000
044107 SUM= 1.0 02:EXT6 4.7 .035 No_date 2:11 45.05 n/a .000
044108 R1988:C00056-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
044109 ROUTE CHANNEL -> 1.0 02:EXT4-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
044110 [RDT= 1.00] out-< 1.0 02:EXT4 5.90 .355 No_date 2:12 43.82 n/a .000
044111 [L/S/Fm= 251.7 /776 /038]
044112 [Vmax= 441;Dmax= 133]
044113 R1988:C00057-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
044114 ADD HYD 1.0 02:EXT2 .59 .061 No_date 2:16 41.34 n/a .000
044115 + 1.0 02:EXT6 .86 .074 No_date 2:21 47.74 n/a .000
044116 SUM= 1.0 02:EXT6 4.7 .035 No_date 2:11 45.05 n/a .000
044117 R1988:C00058-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
044118 ROUTE CHANNEL -> 1.0 02:EXT4-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
044119 [RDT= 1.00] out-< 1.0 02:EXT4 5.90 .355 No_date 2:12 43.82 n/a .000
044120 [L/S/Fm= 251.7 /776 /038]
044121 [Vmax= 441;Dmax= 133]
044122 R1988:C00059-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
044123 ADD HYD 1.0 02:EXT2 .59 .061 No_date 2:16 41.34 n/a .000
044124 + 1.0 02:EXT6 .86 .074 No_date 2:21 47.74 n/a .000
044125 SUM= 1.0 02:EXT6 4.7 .035 No_date 2:11 45.05 n/a .000
044126 R1988:C00060-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
044127 ROUTE CHANNEL -> 1.0 02:EXT4-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
044128 [RDT= 1.00] out-< 1.0 02:EXT4 5.90 .355 No_date 2:12 43.82 n/a .000
044129 [L/S/Fm= 251.7 /776 /038]
044130 [Vmax= 441;Dmax= 133]
044131 R1988:C00061-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
044132 ADD HYD 1.0 02:EXT2 .59 .061 No_date 2:16 41.34 n/a .000
044133 + 1.0 02:EXT6 .86 .074 No_date 2:21 47.74 n/a .000
044134 SUM= 1.0 02:EXT6 4.7 .035 No_date 2:11 45.05 n/a .000
044135 R1988:C00062-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
044136 ROUTE CHANNEL -> 1.0 02:EXT4-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
044137 [RDT= 1.00] out-< 1.0 02:EXT4 5.90 .355 No_date 2:12 43.82 n/a .000
044138 [L/S/Fm= 251.7 /776 /038]
044139 [Vmax= 441;Dmax= 133]
044140 R1988:C00063-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
044141 ADD HYD 1.0 02:EXT2 .59 .061 No_date 2:16 41.34 n/a .000
044142 + 1.0 02:EXT6 .86 .074 No_date 2:21 47.74 n/a .000
044143 SUM= 1.0 02:EXT6 4.7 .035 No_date 2:11 45.05 n/a .000
044144 R1988:C00064-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
044145 ROUTE CHANNEL -> 1.0 02:EXT4-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
044146 [RDT= 1.00] out-< 1.0 02:EXT4 5.90 .355 No_date 2:12 43.82 n/a .000
044147 [L/S/Fm= 251.7 /776 /038]
044148 [Vmax= 441;Dmax= 133]
044149 R1988:C00065-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
044150 ADD HYD 1.0 02:EXT2 .59 .061 No_date 2:16 41.34 n/a .000
044151 + 1.0 02:EXT6 .86 .074 No_date 2:21 47.74 n/a .000
044152 SUM= 1.0 02:EXT6 4.7 .035 No_date 2:11 45.05 n/a .000
044153 R1988:C00066-----DtnIn-ID:HYND-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
044154 ROUTE CHANNEL -> 1.0 02:EXT4-----AREAhA-QFEARcns-TpeakDate_hh:mm-----Rvmm-R.C-----DWfms
044155 [RDT= 1.00] out-< 1.0 02:EXT4 5.90 .355 No_date 2:12 43.82 n/a .000
044156 [L/S/Fm= 251.7 /776 /038]
0
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[illegible]

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05041: R9999:C00012-----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfms
05042: CALIB NASHVD 1.0 01:PreL1 3.57 .297 No_date 1:134 40.95 .476 .000
05043: [Cm= 76.0: No 3.00: Tpe = .48]
05044: *****
05045: # EXT3a
05046: *****
05047: R9999:C00013-----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfms
05048: CALIB NASHVD 1.0 01:EXT3a .01 .004 No_date 1:100 43.23 .503 .000
05049: [Cm= 76.0: No 3.00: Tpe = .04]
05050: *****
05051: # EXT10
05052: *****
05053: R9999:C00014-----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfms
05054: CALIB NASHVD 1.0 01:EXT10 .20 .016 No_date 1:129 35.74 .416 .000
05055: [Cm= 71.0: No 3.00: Tpe = .01]
05056: *****
05057: # PreL1
05058: *****
05059: R9999:C00015-----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfms
05060: CALIB NASHVD 1.0 01:PreL1 .07 .010 No_date 1:100 36.72 .427 .000
05061: [Cm= 72.0: No 3.00: Tpe = .03]
05062: *****
05063: # PreL2
05064: *****
05065: R9999:C00016-----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfms
05066: CALIB NASHVD 1.0 01:PreL2 .00 .001 No_date 1:100 43.22 .503 .000
05067: [Cm= 70.0: No 3.00: Tpe = .02]
05068: *****
05069: # PreL1
05070: *****
05071: R9999:C00017-----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfms
05072: CALIB NASHVD 1.0 01:PreL1 .44 .037 No_date 1:126 35.74 .416 .000
05073: [Cm= 71.0: No 3.00: Tpe = .38]
05074: *****
05075: # PreL2
05076: *****
05077: R9999:C00018-----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfms
05078: CALIB NASHVD 1.0 01:PreL2 .01 .004 No_date 1:100 39.84 .463 .000
05079: [Cm= 75.0: No 3.00: Tpe = .03]
05080: *****
05081: # PreL1
05082: *****
05083: R9999:C00019-----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfms
05084: CALIB NASHVD 1.0 01:PreL1 .80 .080 No_date 1:119 35.74 .416 .000
05085: [Cm= 71.0: No 3.00: Tpe = .01]
05086: *****
05087: # PreL1
05088: *****
05089: R9999:C00020-----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfms
05090: CALIB NASHVD 1.0 01:PreL1 .07 .010 No_date 1:113 43.23 .503 .000
05091: [Cm= 78.0: No 3.00: Tpe = .21]
05092: *****
05093: # Site 1
05094: *****
05095: R9999:C00021-----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfms
05096: DESIGN STANHYD 1.0 01:Site-1 .42 .163 No_date 1:100 59.13 .688 .000
05097: [XIMP= 91.71IMP= .99]
05098: [SLP=1.00DT=1.00]
05099: [LOGS= 1 : HORTONS]
05100: *****
05101: # Site 1 - Roof
05102: *****
05103: R9999:C00022-----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfms
05104: DESIGN STANHYD 1.0 01:Site-Roof .06 .038 No_date 1:100 83.99 .977 .000
05105: [XIMP= 91.71IMP= .99]
05106: [SLP= .50DT=1.00]
05107: [LOGS= 1 : HORTONS]
05108: *****
05109: R9999:C00023-----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfms
05110: ROUTE RESERVOIR -> 1.0 02:Site-Roof .06 .038 No_date 1:100 83.99 n/a .000
05111: out -> 1.0 02:Site-Roof .06 .038 No_date 1:100 83.99 n/a .000
05112: overlow -> 1.0 03:Site-Roof-Over .01 .031 No_date 1:100 83.99 n/a .000
05113: [MktotDate=2438E-01 n3, TotVolVol=5393E-01 n3, N-Over= 2, TotDurVolE= .6hrs]
05114: R9999:C00024-----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfms
05115: ADD HYD 1.0 02:Site-R1 .42 .163 No_date 1:100 59.13 n/a .000
05116: + 1.0 02:Site-Roof-Over .01 .031 No_date 1:100 83.99 n/a .000
05117: SUM= 1.0 02:Site-R1 .43 .166 No_date 1:100 62.48 n/a .000
05118: R9999:C00025-----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfms
05119: ROUTE RESERVOIR -> 1.0 02:Site-IN .48 .202 No_date 1:100 62.48 n/a .000
05120: out -> 1.0 02:Site-IN .48 .202 No_date 1:100 62.48 n/a .000
05121: overlow -> 1.0 03:Site-Over .00 .000 No_date 0:00 .00 n/a .000
05122: [MktotDate=2464E-01 n3, TotVolVol=5000E+00 n3, N-Over= 0, TotDurVolE= .6hrs]
05123: *****
05124: # Site 2
05125: *****
05126: R9999:C00026-----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfms
05127: DESIGN STANHYD 1.0 01:Site-2 .36 .136 No_date 1:100 57.84 .673 .000
05128: [XIMP= 31.71IMP= .41]
05129: [SLP=1.00DT=1.00]
05130: [LOGS= 1 : HORTONS]
05131: *****
05132: # Site 2 - Roof
05133: *****
05134: R9999:C00027-----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfms
05135: DESIGN STANHYD 1.0 01:Site-Roof .09 .055 No_date 1:100 83.99 .977 .000
05136: [XIMP= 99.71IMP= .99]
05137: [SLP= 1.00DT=1.00]
05138: [LOGS= 1 : HORTONS]
05139: *****
05140: R9999:C00028-----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfms
05141: ROUTE RESERVOIR -> 1.0 02:Site-Roof .09 .055 No_date 1:100 83.99 n/a .000
05142: out -> 1.0 02:Site-Roof .09 .055 No_date 1:100 83.99 n/a .000
05143: overlow -> 1.0 03:Site-Roof-Over .01 .044 No_date 1:100 83.99 n/a .000
05144: [MktotDate=3461E-01 n3, TotVolVol=7281E-01 n3, N-Over= 3, TotDurVolE= .6hrs]
05145: R9999:C00029-----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfms
05146: ADD HYD 1.0 02:Site-R3 .36 .136 No_date 1:100 57.84 n/a .000
05147: + 1.0 02:Site-Roof-Over .01 .044 No_date 1:100 83.99 n/a .000
05148: + 1.0 02:Site-Roof-Over .01 .044 No_date 1:100 83.99 n/a .000
05149: SUM= 1.0 02:Site-IN .45 .191 No_date 1:100 63.24 n/a .000
05150: R9999:C00030-----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfms
05151: ROUTE RESERVOIR -> 1.0 02:Site-IN .45 .191 No_date 1:100 63.24 n/a .000
05152: out -> 1.0 02:Site-IN .45 .191 No_date 1:100 63.24 n/a .000
05153: overlow -> 1.0 03:Site-Over .00 .000 No_date 0:00 .00 n/a .000
05154: [MktotDate=1938E-01 n3, TotVolVol=5000E+00 n3, N-Over= 0, TotDurVolE= .6hrs]
05155: R9999:C00031-----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfms
05156: ADD HYD 1.0 02:Site-Over .48 .016 No_date 1:146 62.48 n/a .000
05157: + 1.0 02:Site-Over .48 .016 No_date 1:146 62.48 n/a .000
05158: + 1.0 02:Site-Over .48 .016 No_date 1:146 62.48 n/a .000
05159: SUM= 1.0 02:Site-Over .48 .016 No_date 1:146 62.48 n/a .000
05160: R9999:C00032-----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfms
05161: ADD HYD 1.0 02:Site-Over .00 .000 No_date 0:00 .00 n/a .000
05162: + 1.0 02:Site-Over .00 .000 No_date 0:00 .00 n/a .000
05163: SUM= 1.0 02:Site-Over .00 .000 No_date 0:00 .00 n/a .000
05164: R9999:C00033-----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfms
05165: ADD HYD 1.0 02:EXT2 .28 .041 No_date 1:121 52.43 n/a .000
05166: + 1.0 02:EXT1 .08 .041 No_date 1:100 36.72 n/a .000
05167: + 1.0 02:Site1 .48 .016 No_date 1:146 62.48 n/a .000
05168: SUM= 1.0 02:Site1 .49 .016 No_date 1:146 62.48 n/a .000
05169: R9999:C00034-----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfms
05170: ROUTE CHANNEL -> 1.0 02:Pre1 1.23 .064 No_date 1:133 60.16 n/a .000
05171: [RTE= 1.00] out -> 1.0 01:Pre1 1.23 .064 No_date 1:133 60.16 n/a .000
05172: [L/S/m= 142. / .394 / .035]
05173: [Vmax= .373:Omax= .141]
05174: R9999:C00035-----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfms
05175: ADD HYD 1.0 02:Pre1 1.23 .064 No_date 1:133 60.16 n/a .000
05176: + 1.0 02:EXT3 .56 .070 No_date 1:121 45.67 n/a .000
05177: + 1.0 02:EXT2 .31 .024 No_date 1:151 45.67 n/a .000
05178: SUM= 1.0 01:Pre1 1.23 .064 No_date 1:133 60.16 n/a .000
05179: R9999:C00036-----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfms
05180: ROUTE CHANNEL -> 1.0 02:Pre1 1.23 .064 No_date 1:133 60.16 n/a .000
05181: [RTE= 1.00] out -> 1.0 01:Pre1 1.23 .064 No_date 1:133 60.16 n/a .000
05182: [L/S/m= 79. / .423 / .035]
05183: [Vmax= .560:Omax= .312]
05184: R9999:C00037-----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfms
05185: ADD HYD 1.0 02:EXT4 .31 .040 No_date 1:119 44.44 n/a .000
05186: + 1.0 02:EXT3 .56 .070 No_date 1:121 45.67 n/a .000
05187: SUM= 1.0 01:Pre1 1.23 .064 No_date 1:133 60.16 n/a .000
05188: R9999:C00038-----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfms
05189: ROUTE CHANNEL -> 1.0 02:Pre1 1.23 .064 No_date 1:133 60.16 n/a .000
05190: [RTE= 1.00] out -> 1.0 01:Pre1 1.23 .064 No_date 1:133 60.16 n/a .000
05191: [L/S/m= 92. / .274 / .035]
05192: [Vmax= .458:Omax= .322]
05193: R9999:C00039-----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfms
05194: ADD HYD 1.0 02:EXT3 .56 .070 No_date 1:121 45.67 n/a .000
05195: + 1.0 02:EXT2 .31 .040 No_date 1:119 44.44 n/a .000
05196: + 1.0 02:EXT1 .08 .041 No_date 1:100 36.72 n/a .000
05197: SUM= 1.0 01:Pre1 1.23 .064 No_date 1:133 60.16 n/a .000
05198: R9999:C00040-----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfms
05199: ROUTE CHANNEL -> 1.0 02:Pre1 1.23 .064 No_date 1:133 60.16 n/a .000
05200: [RTE= 1.00] out -> 1.0 01:Pre1 1.23 .064 No_date 1:133 60.16 n/a .000
05201: [L/S/m= 231. / .190 / .035]
05202: [Vmax= .456:Omax= .371]
05203: R9999:C00041-----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfms
05204: ADD HYD 1.0 02:Pre1 1.23 .064 No_date 1:133 60.16 n/a .000
05205: + 1.0 02:EXT3 .56 .070 No_date 1:121 45.67 n/a .000
05206: + 1.0 02:EXT2 .31 .040 No_date 1:119 44.44 n/a .000
05207: SUM= 1.0 01:Pre1 1.23 .064 No_date 1:133 60.16 n/a .000
05208: R9999:C00042-----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfms
05209: ROUTE CHANNEL -> 1.0 02:Pre1 1.23 .064 No_date 1:133 60.16 n/a .000
05210: [RTE= 1.00] out -> 1.0 01:Pre1 1.23 .064 No_date 1:133 60.16 n/a .000
05211: [L/S/m= 231. / .190 / .035]
05212: [Vmax= .748:Omax= .342]
05213: R9999:C00043-----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfms
05214: ADD HYD 1.0 02:PreL1 .80 .080 No_date 1:119 35.74 n/a .000
05215: + 1.0 02:PreL2 .01 .004 No_date 1:100 39.84 n/a .000
05216: + 1.0 02:PreL3 .01 .004 No_date 1:100 39.84 n/a .000
05217: SUM= 1.0 01:PreL1 .81 .081 No_date 1:119 35.83 n/a .000
05218: R9999:C00044-----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfms
05219: ROUTE CHANNEL -> 1.0 02:Pre1 .81 .081 No_date 1:119 35.83 n/a .000
05220: [RTE= 1.00] out -> 1.0 01:Pre1 .81 .081 No_date 1:119 35.83 n/a .000
05221: [L/S/m= 77. / .776 / .035]
05222: [Vmax= .492:Omax= .059]
05223: R9999:C00045-----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfms
05224: ROUTE CHANNEL -> 1.0 02:PreL1 .44 .037 No_date 1:126 35.74 n/a .000
05225: [RTE= 1.00] out -> 1.0 01:PreL1 .44 .037 No_date 1:126 35.74 n/a .000
05226: [L/S/m= 129. / .357 / .035]
05227: [Vmax= .797:Omax= .011]
05228: R9999:C00046-----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfms
05229: ADD HYD 1.0 02:EXT3 .56 .070 No_date 1:121 45.67 n/a .000
05230: + 1.0 02:EXT2 .31 .040 No_date 1:119 44.44 n/a .000
05231: + 1.0 02:EXT1 .08 .041 No_date 1:100 36.72 n/a .000
05232: SUM= 1.0 01:PreL1 .44 .037 No_date 1:126 35.74 n/a .000
05233: R9999:C00047-----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfms
05234: ROUTE CHANNEL -> 1.0 02:PreL1 .44 .037 No_date 1:126 35.74 n/a .000
05235: [RTE= 1.00] out -> 1.0 01:PreL1 .44 .037 No_date 1:126 35.74 n/a .000
05236: [L/S/m= 79. / .522 / .035]
05237: [Vmax= .423:Omax= .076]
05238: R9999:C00048-----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfms
05239: ADD HYD 1.0 02:EXT3 .56 .070 No_date 1:121 45.67 n/a .000
05240: + 1.0 02:EXT2 .31 .040 No_date 1:119 44.44 n/a .000
05241: + 1.0 02:EXT1 .08 .041 No_date 1:100 36.72 n/a .000
05242: SUM= 1.0 01:PreL1 .44 .037 No_date 1:126 35.74 n/a .000
05243: ROUTE CHANNEL -> 1.0 02:PreL1 .44 .037 No_date 1:126 35.74 n/a .000
05244: [RTE= 1.00] out -> 1.0 01:PreL1 .44 .037 No_date 1:126 35.74 n/a .000
05245: [L/S/m= 29. / .387 / .035]
05246: [Vmax= .543:Omax= .094]
05247: R9999:C00049-----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfms
05248: ADD HYD 1.0 02:EXT3 .56 .070 No_date 1:121 45.67 n/a .000
05249: + 1.0 02:EXT2 .31 .040 No_date 1:119 44.44 n/a .000
05250: + 1.0 02:EXT1 .08 .041 No_date 1:100 36.72 n/a .000
05251: SUM= 1.0 01:PreL1 .44 .037 No_date 1:126 35.74 n/a .000
05252: R9999:C00050-----DtnIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate_hh:mm-----Rvnm-R.C-----DWfms
05253: ROUTE PIPE -> 1.0 02:EXT3 .56 .070 No_date 1:121 45.67 n/a .000
05254: [RTE= 1.00] out -> 1.0 01:Outlet 1.18 .960 No_date 1:139 44.44 n/a .000
05255: [L/S/m= 8. / .010 / .013]
05256: [Vmax= .492:Omax= 1.381]
05257: [dine .53:dsunde= 1.68]
05258: *****
05259: *****
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05261: *****
05262: *****
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05264: *****
05265: *****
05266: *****
05267: *****
05268: R0002:C00015 CALIB NASHVD
05269: *****
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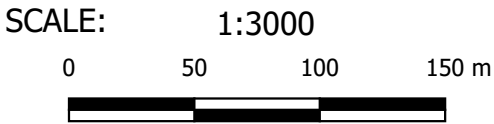
Attachment C

Hydraulic Analysis



Legend

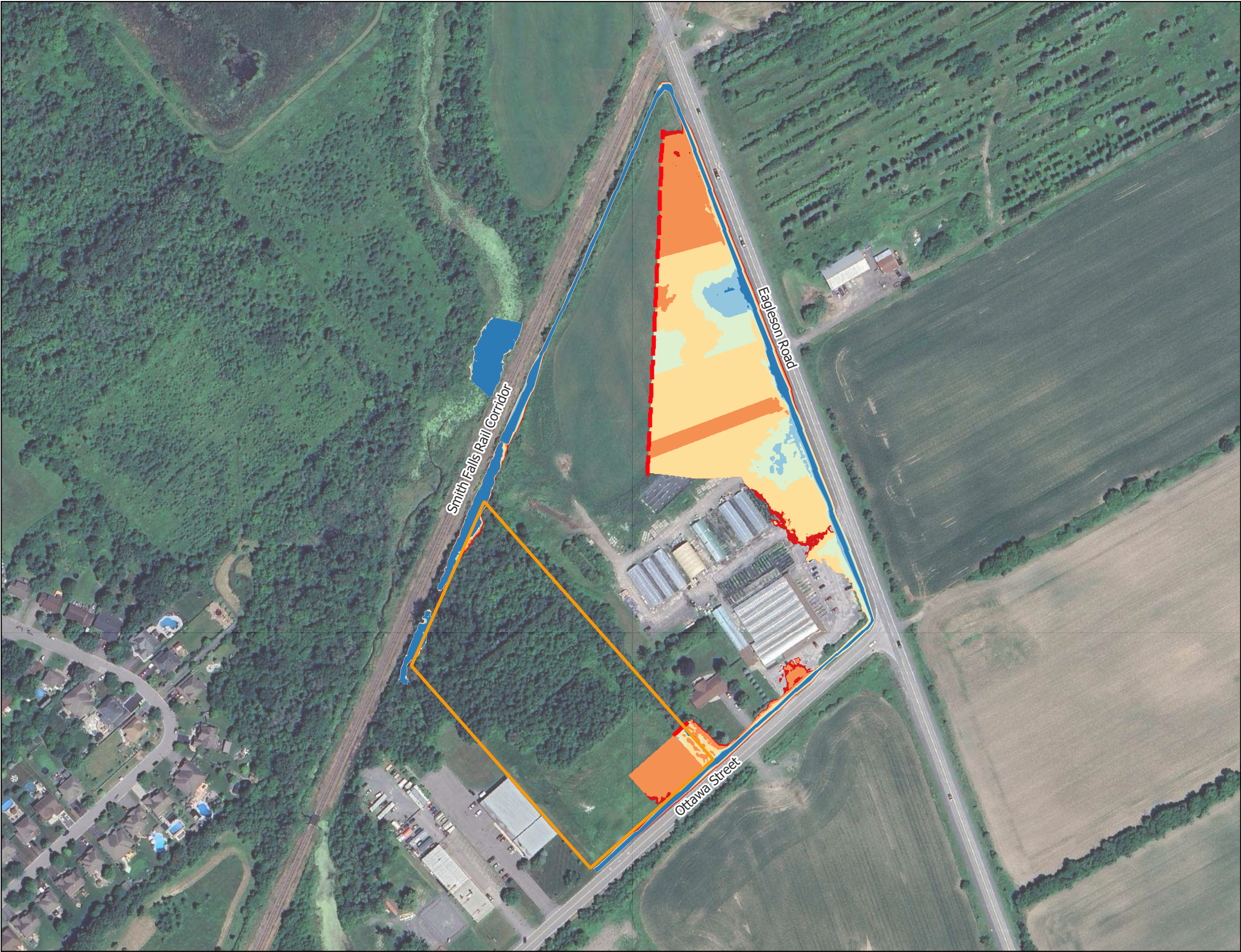
- Site Boundary
- Jock River Tributary
- Centerline
- HEC-RAS XS



5923 Ottawa St – Richmond

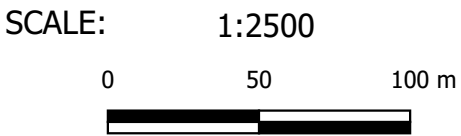
Figure C1: HEC-RAS Cross Sections

PROJECT	P2710(e01)
DRAWN	MM
DATE	10 Sept 2025



Legend

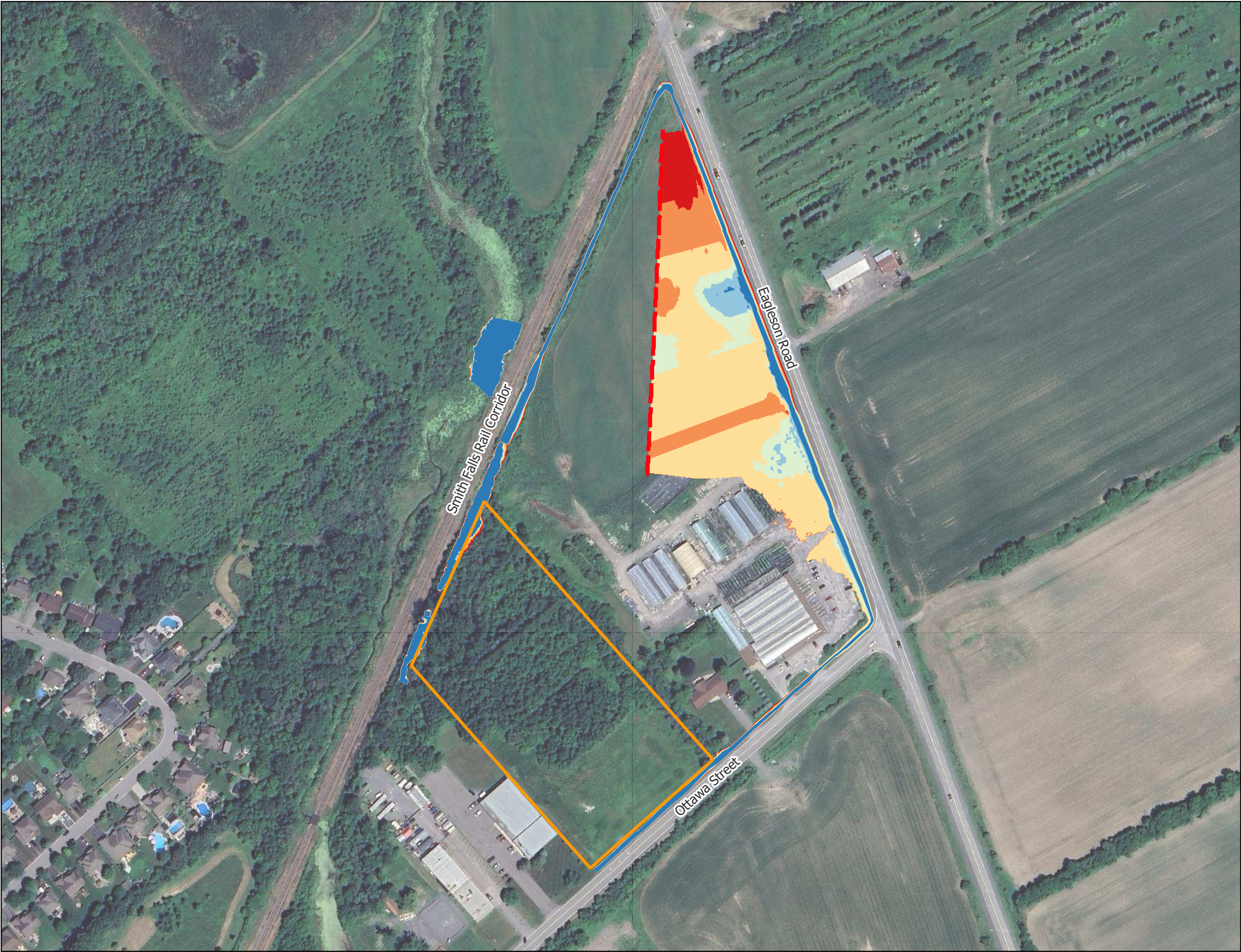
- Site Boundary
- Spill Line
- 2YrSCS24Hr
- 5YrSCS24Hr
- 10YrSCS24Hr
- 25YrSCS24Hr
- 50YrSCS24Hr
- 100YrSCS24Hr



5923 Ottawa St - Richmond

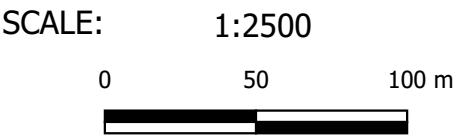
Figure C2: Pre-Development Flood Extents

PROJECT	P2719(e01)
DRAWN	BT
DATE	01 April 2026



Legend

- Site Boundary
- Spill Line
- 2YrSCS24Hr
- 5YrSCS24Hr
- 10YrSCS24Hr
- 25YrSCS24Hr
- 50YrSCS24Hr
- 100YrSCS24Hr



5923 Ottawa St - Richmond

Figure C3: Post-Development Flood Extents

PROJECT	P2719(e01)
DRAWN	BT
DATE	01 April 2026



Legend

-  Site Boundary
-  Spill Line
-  Pre Dev 100 Year
-  Post Dev 100 Year

SCALE: 1:2500

0 50 100 m



5923 Ottawa St - Richmond

Figure C4: 100-yr Floodplain Extents Comparison

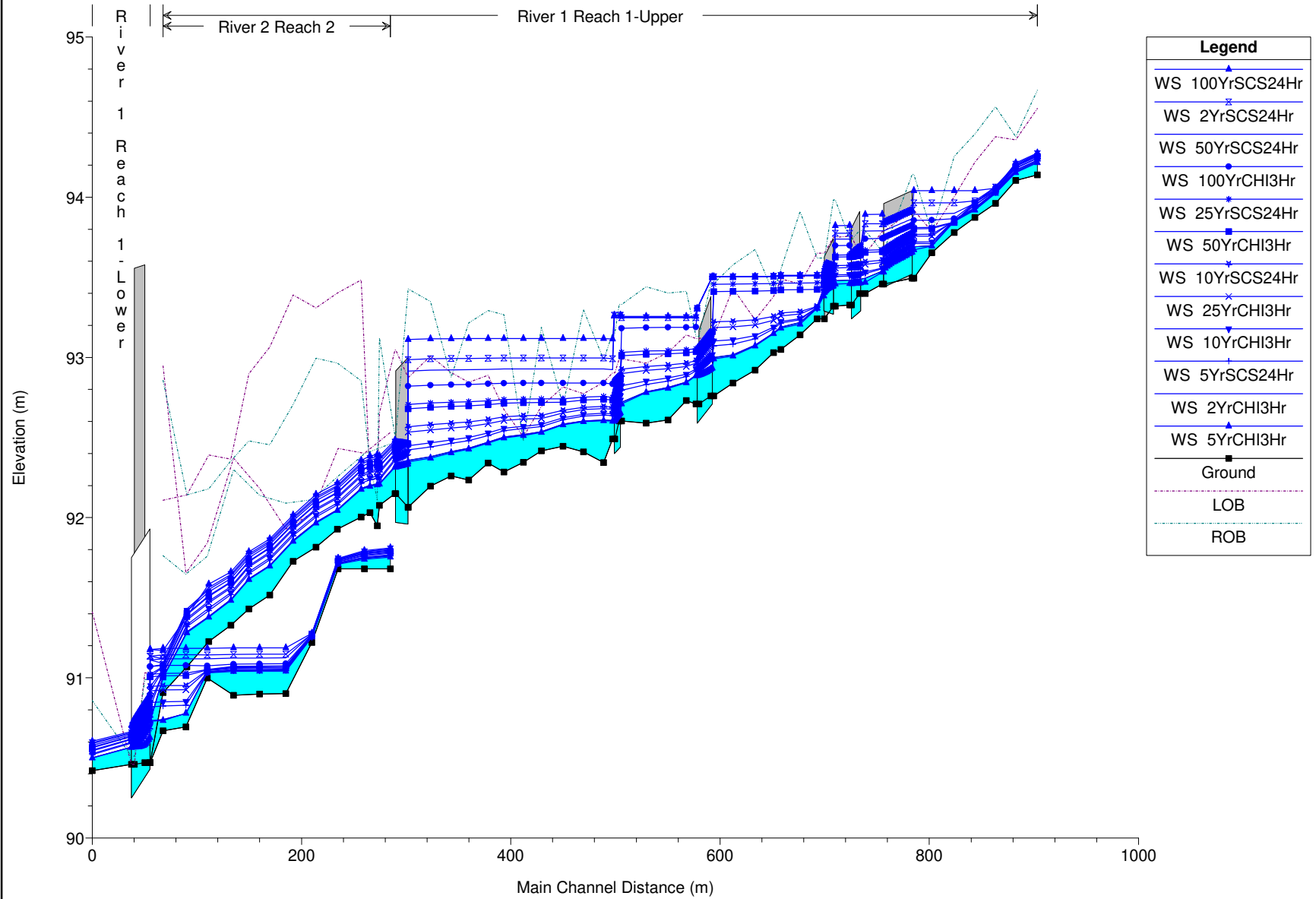
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DRAWN	BT
DATE	10 Sept 2025

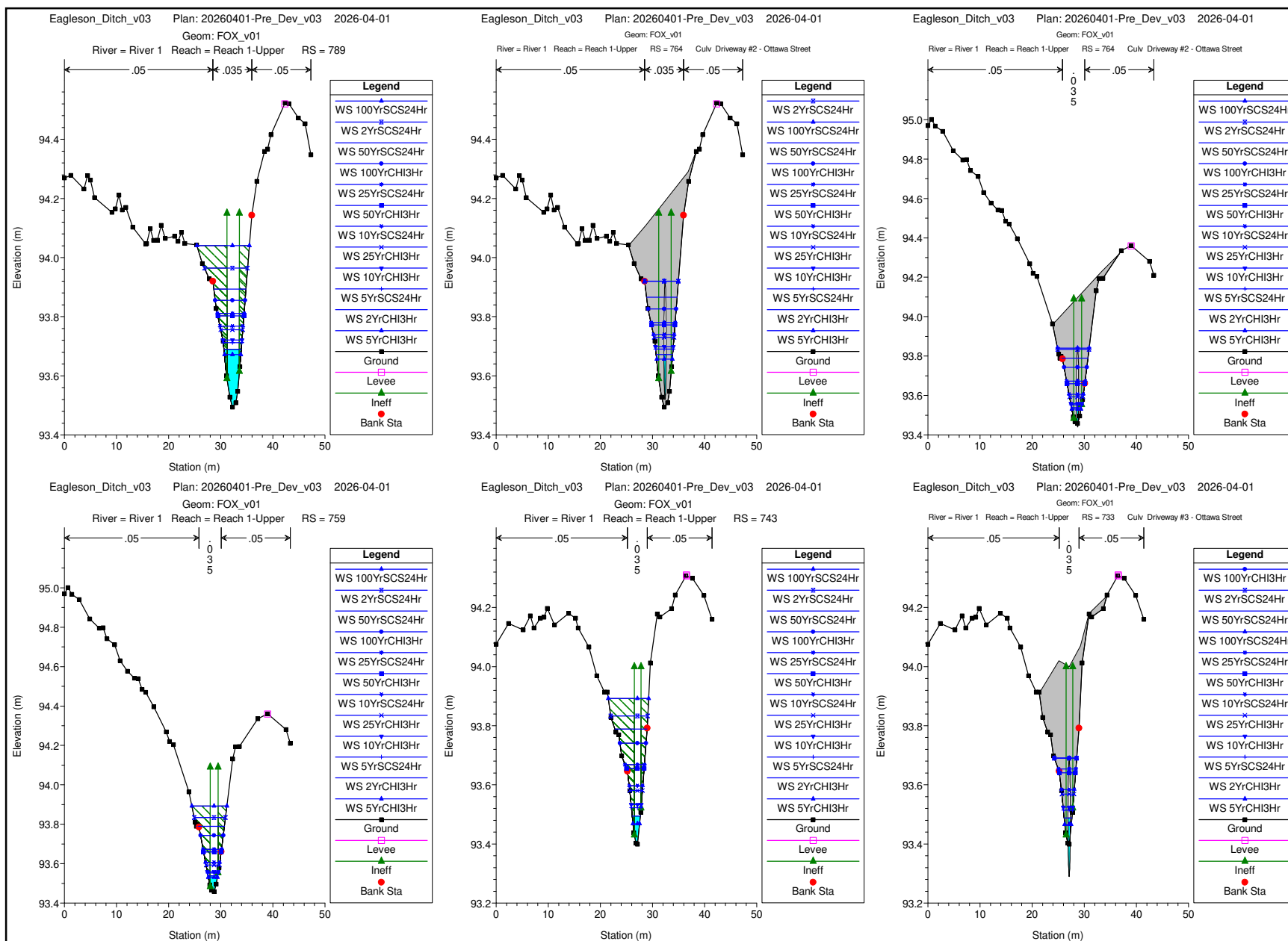
Eagleson_Ditch_v03

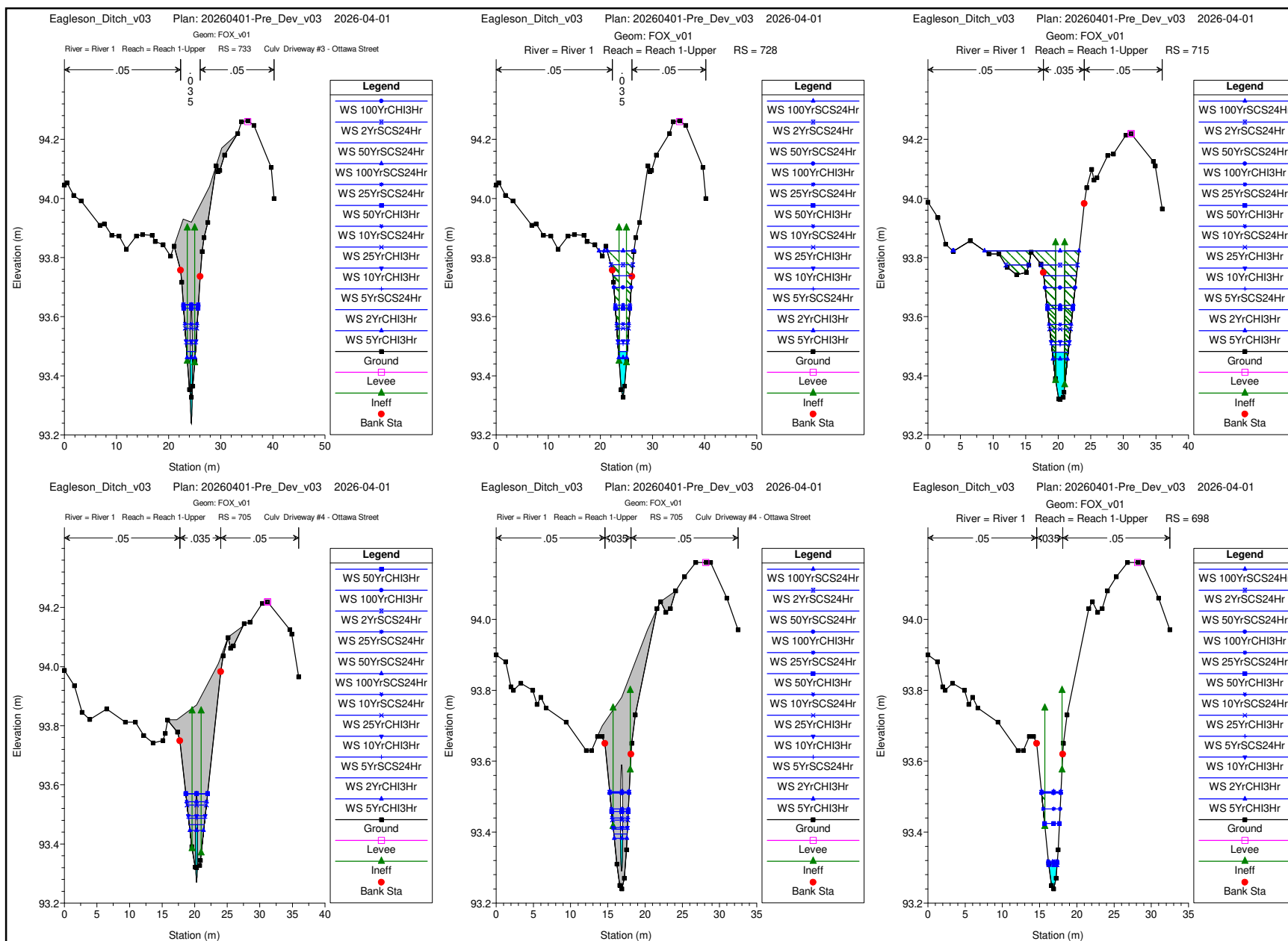
Plan: 20260401-Pre_Dev_v03

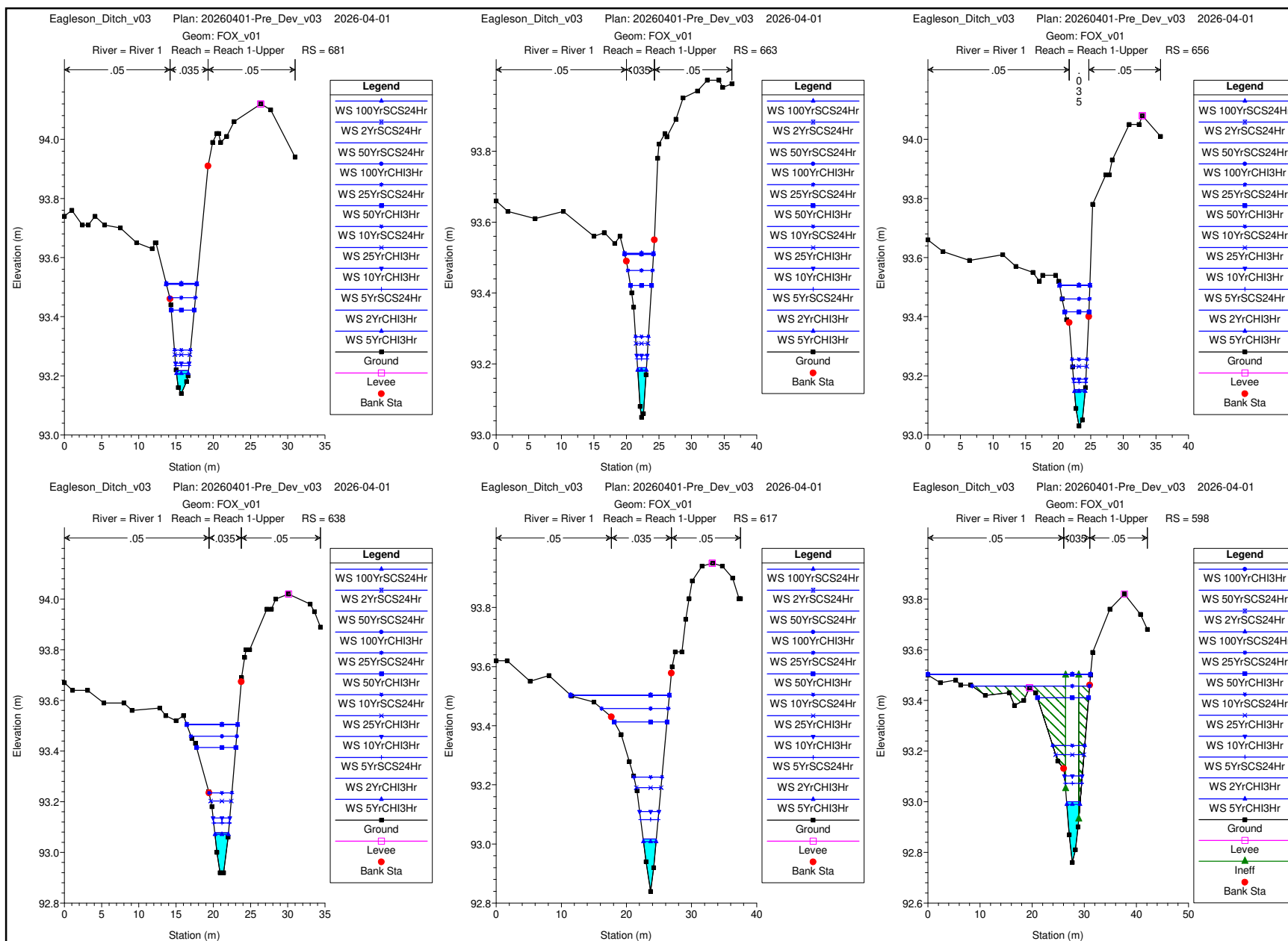
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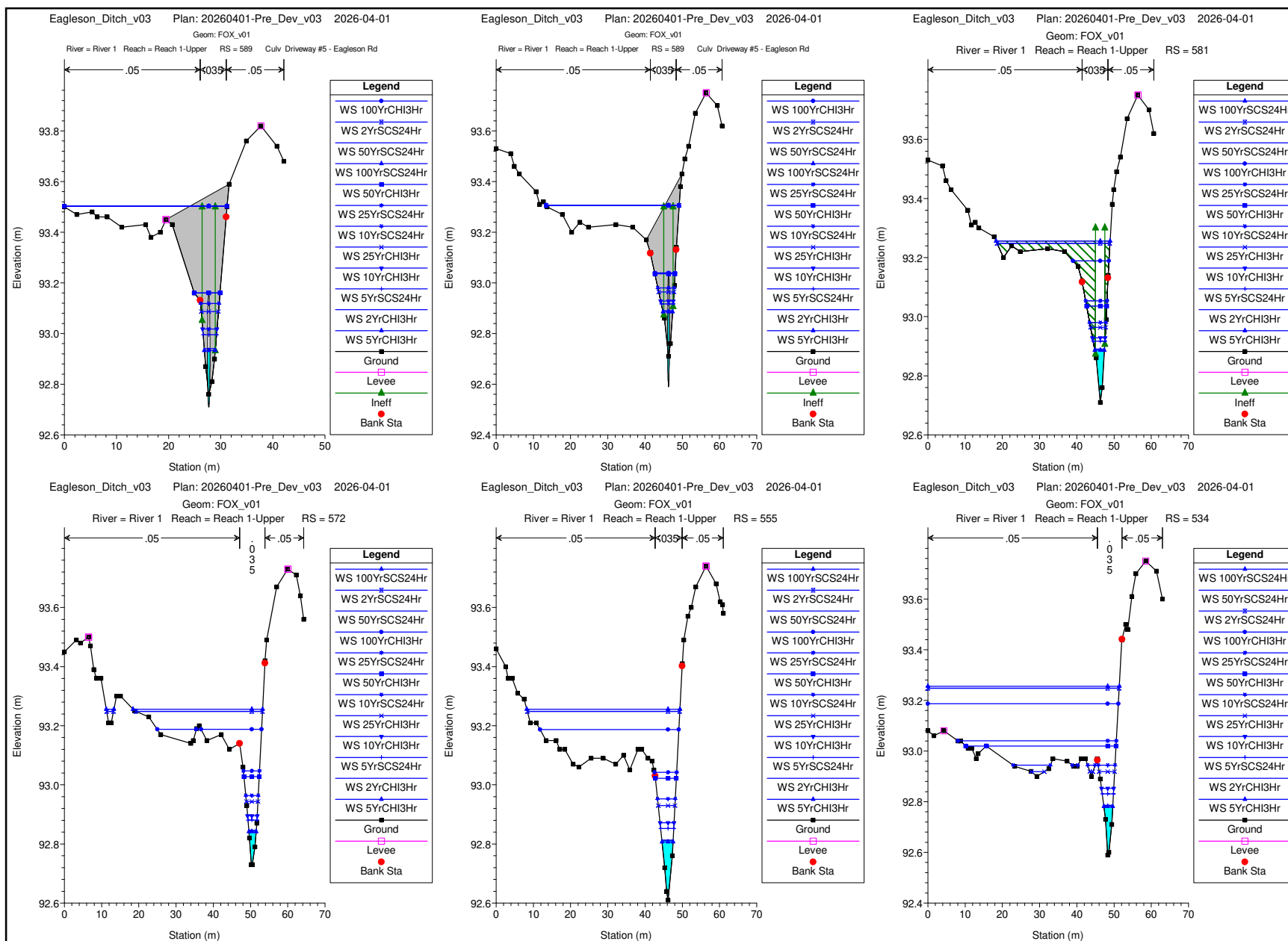
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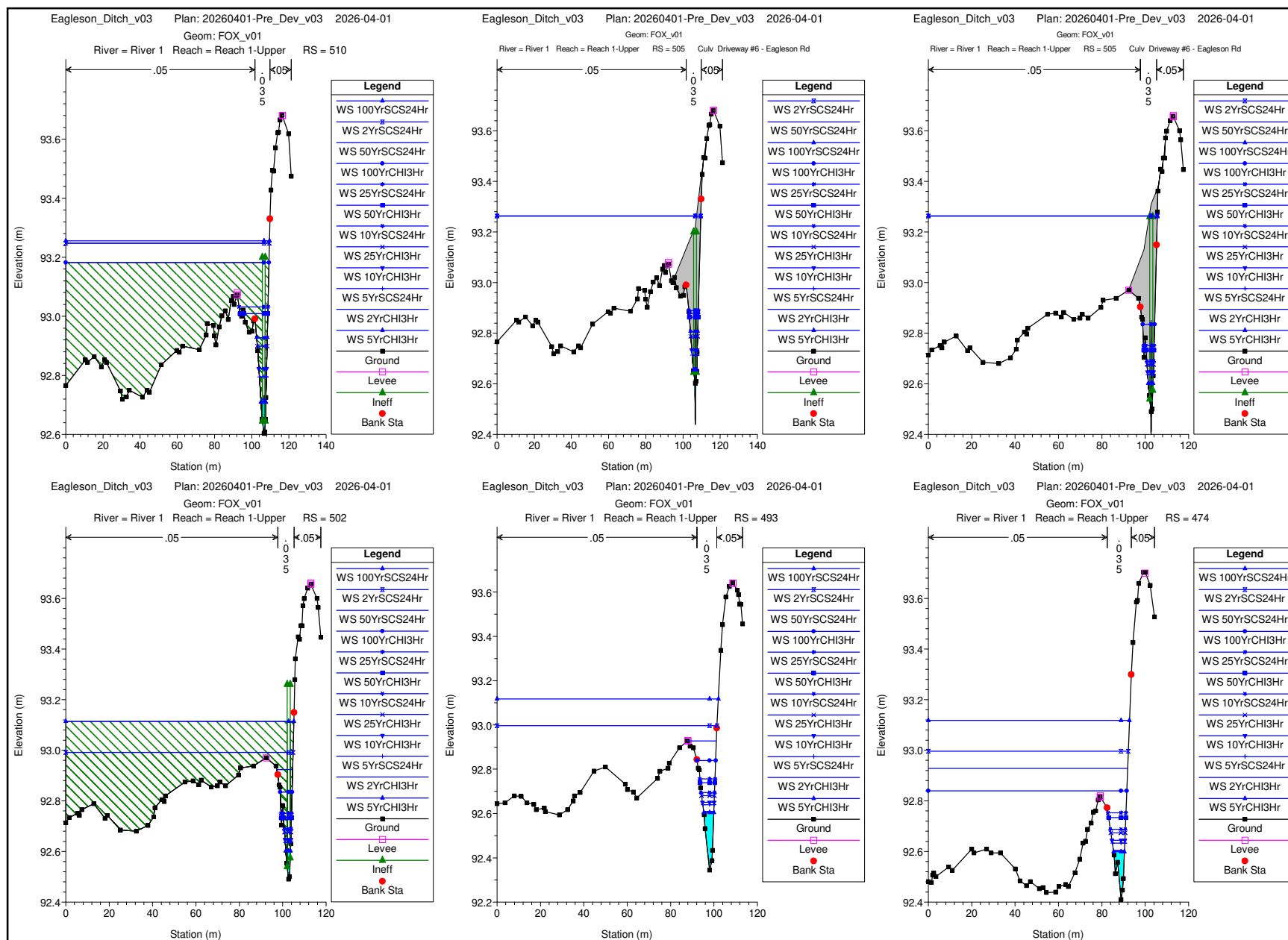


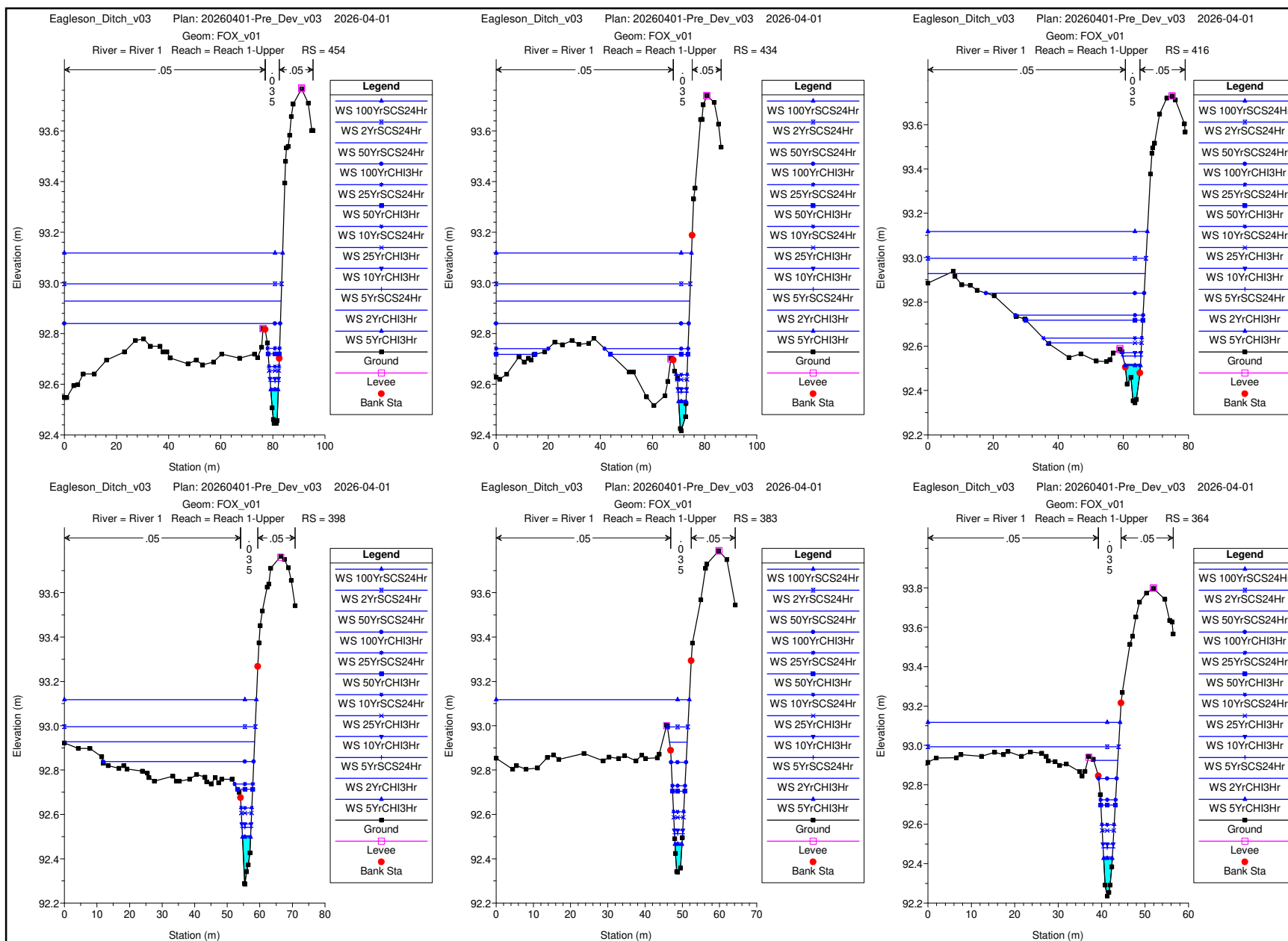


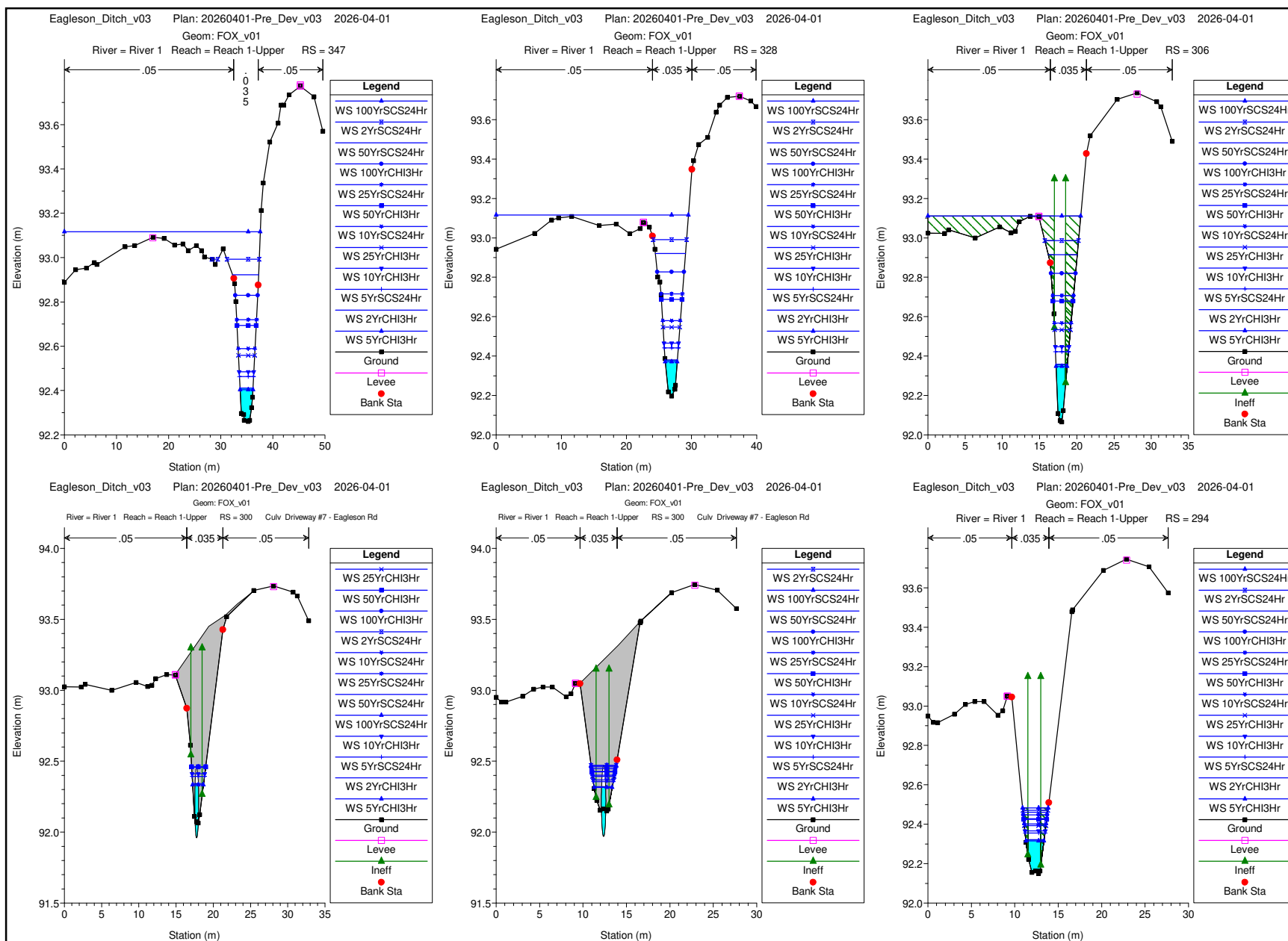


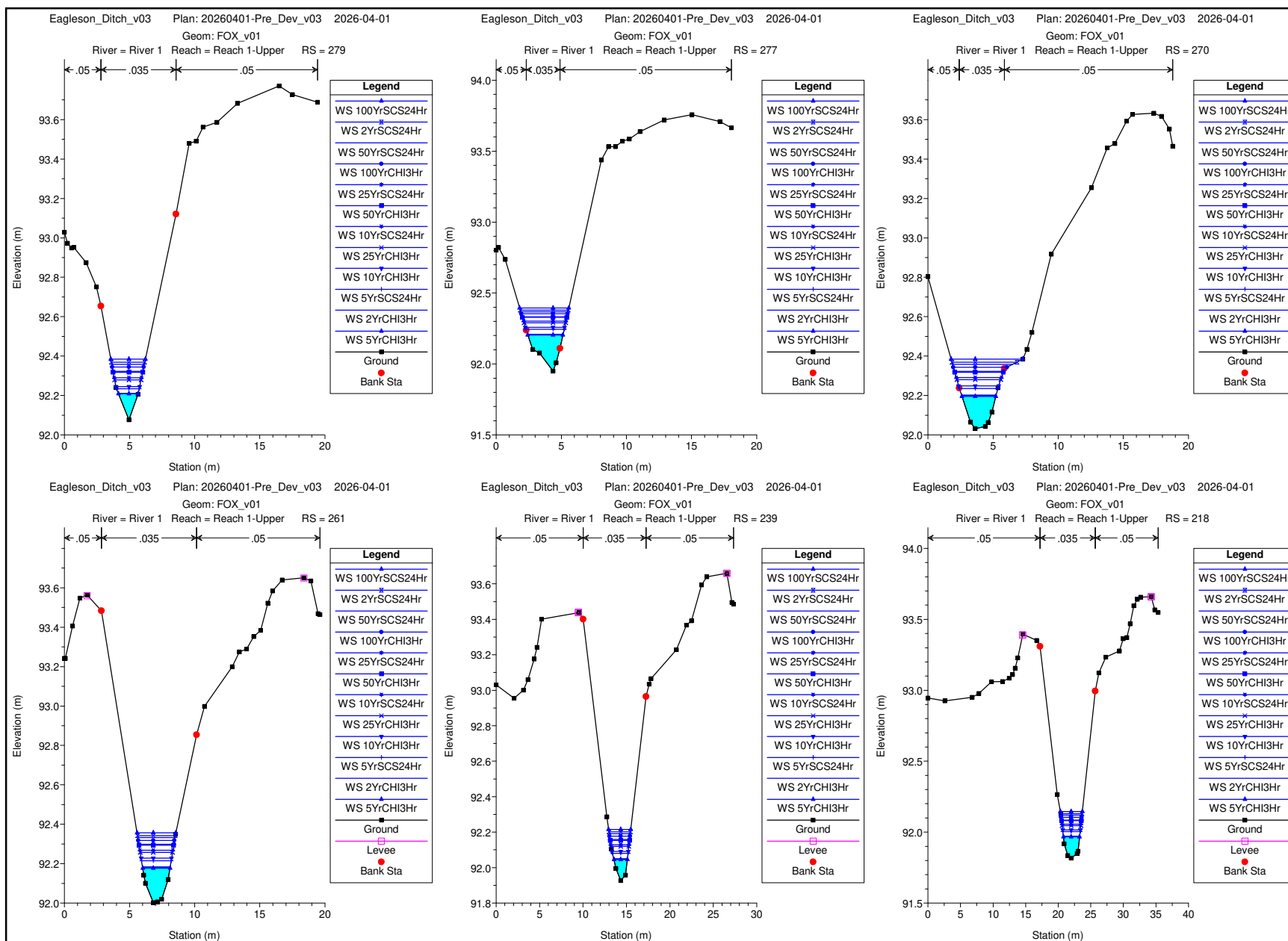


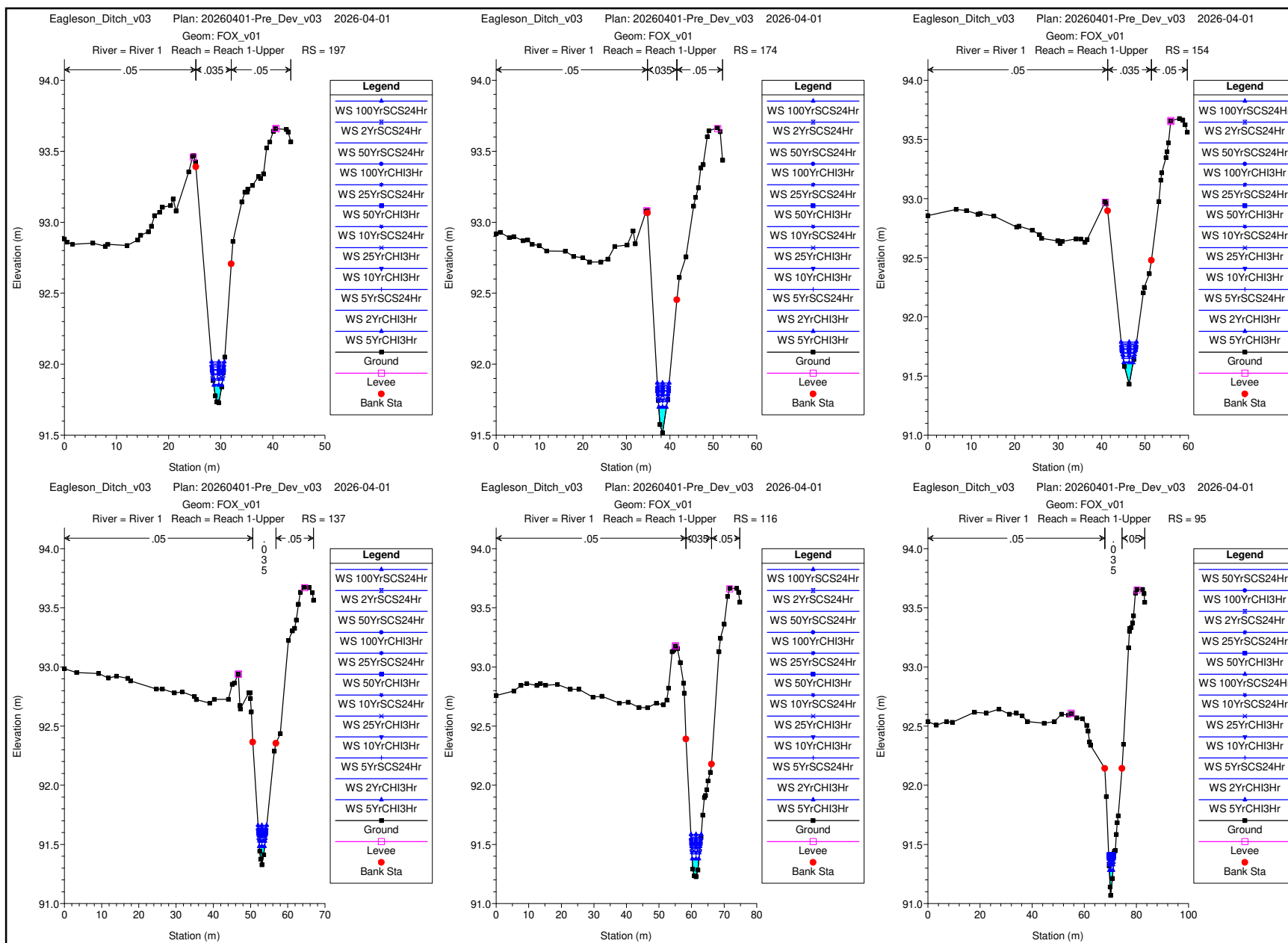


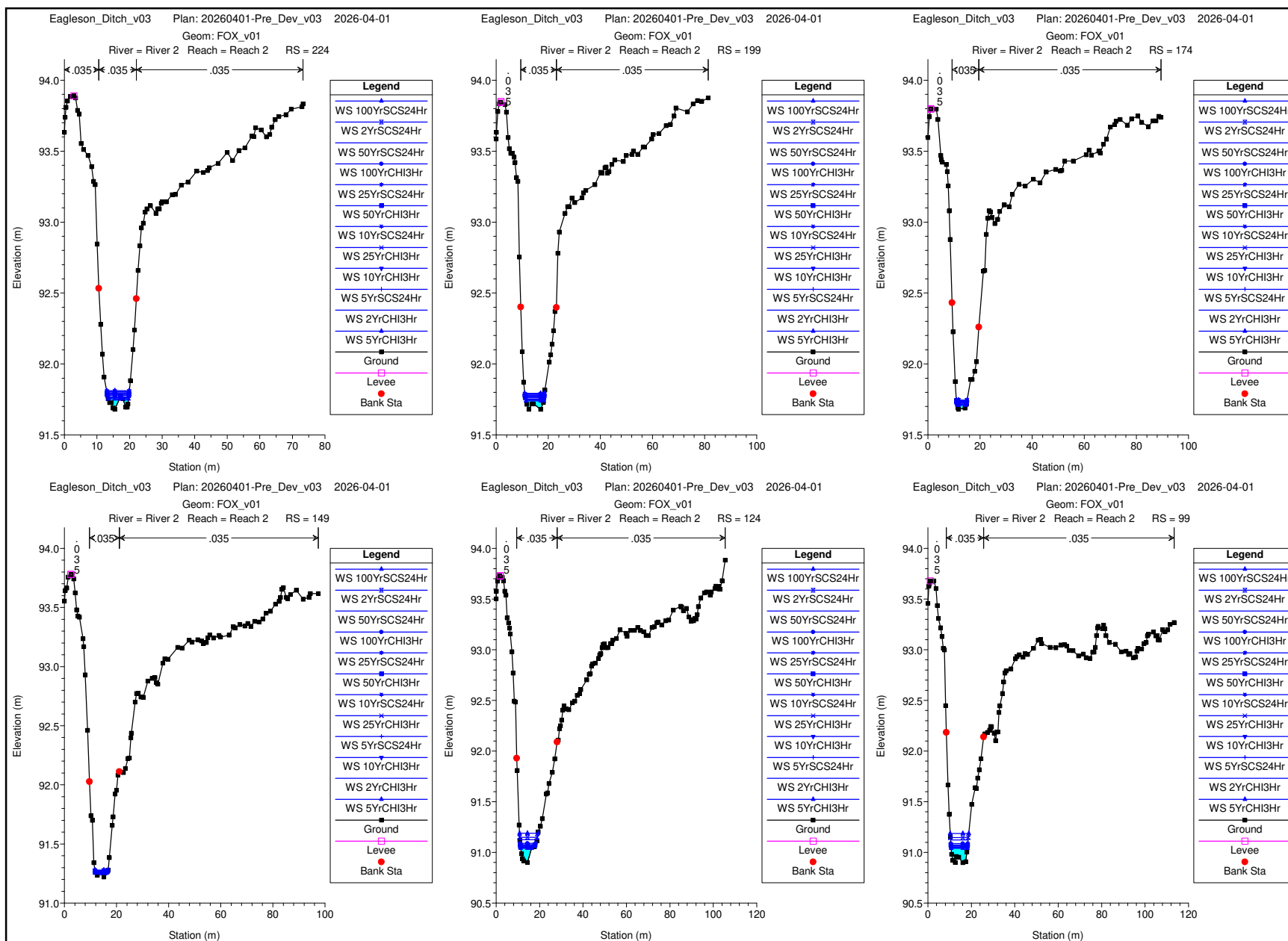


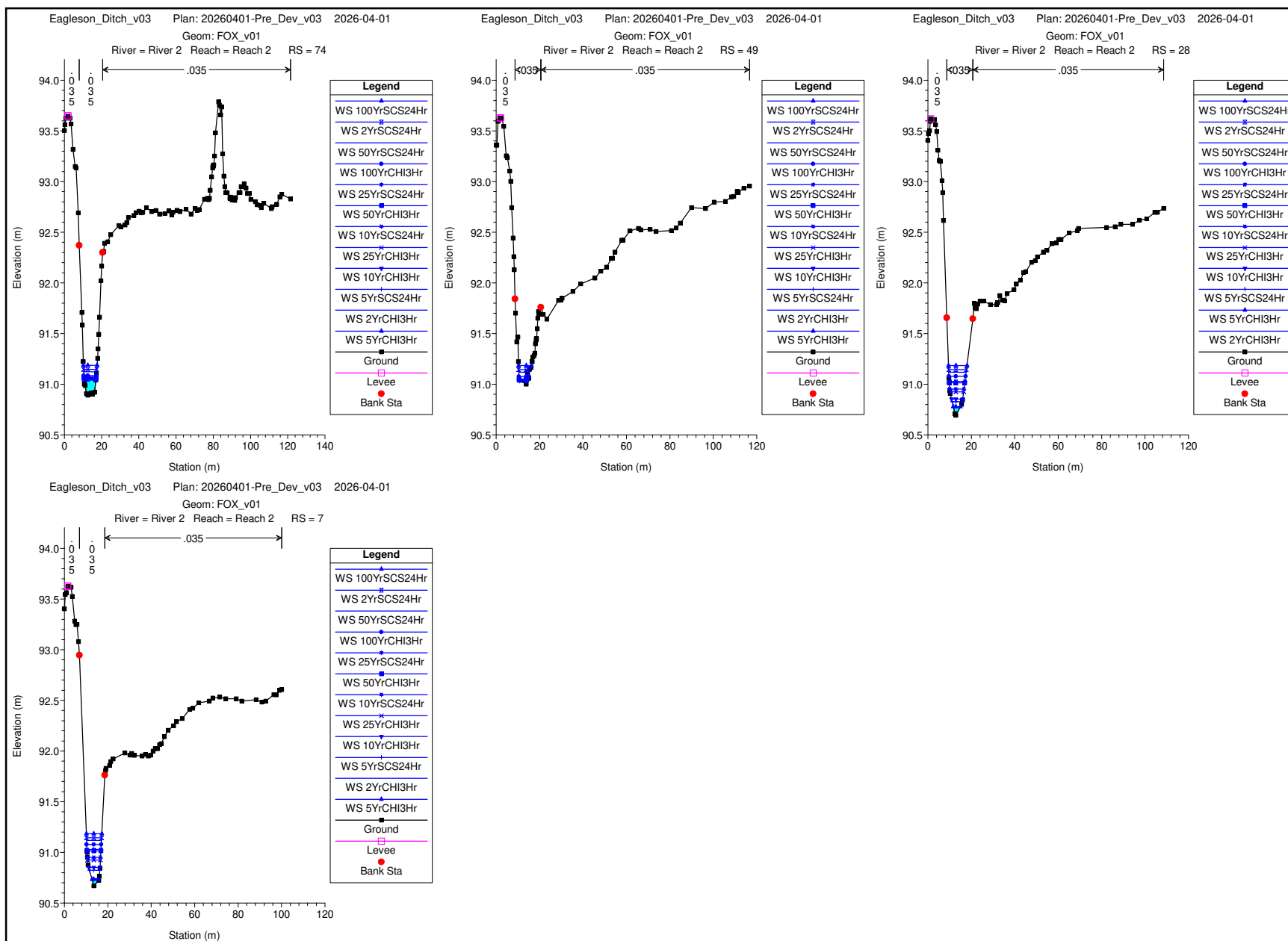












River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
River 2	Reach 2	224	2YrCHI3Hr	0.02	91.68	91.76	91.71	91.76	0.000707	0.09	0.24	5.69	0.14
River 2	Reach 2	224	5YrCHI3Hr	0.02	91.68	91.75	91.71	91.75	0.000626	0.08	0.20	5.09	0.13
River 2	Reach 2	224	10YrCHI3Hr	0.03	91.68	91.77	91.72	91.77	0.000751	0.10	0.28	6.26	0.15
River 2	Reach 2	224	25YrCHI3Hr	0.04	91.68	91.78	91.72	91.78	0.000754	0.11	0.34	6.52	0.15
River 2	Reach 2	224	50YrCHI3Hr	0.05	91.68	91.79	91.73	91.79	0.000757	0.12	0.42	6.66	0.16
River 2	Reach 2	224	100YrCHI3Hr	0.06	91.68	91.80	91.74	91.80	0.000766	0.13	0.47	6.76	0.16
River 2	Reach 2	224	2YrSCS24Hr	0.08	91.68	91.80	91.74	91.81	0.000793	0.14	0.53	6.86	0.17
River 2	Reach 2	224	5YrSCS24Hr	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	10YrSCS24Hr	0.04	91.68	91.78	91.73	91.78	0.000755	0.12	0.37	6.57	0.16
River 2	Reach 2	224	25YrSCS24Hr	0.06	91.68	91.79	91.73	91.79	0.000760	0.13	0.44	6.70	0.16
River 2	Reach 2	224	50YrSCS24Hr	0.07	91.68	91.80	91.74	91.80	0.000771	0.14	0.52	6.84	0.16
River 2	Reach 2	224	100YrSCS24Hr	0.09	91.68	91.81	91.74	91.81	0.000797	0.15	0.57	6.94	0.17
River 2	Reach 2	199	2YrCHI3Hr	0.02	91.68	91.75	91.71	91.75	0.000472	0.08	0.29	6.89	0.12
River 2	Reach 2	199	5YrCHI3Hr	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	10YrCHI3Hr	0.03	91.68	91.75	91.71	91.75	0.000492	0.08	0.34	7.01	0.12
River 2	Reach 2	199	25YrCHI3Hr	0.04	91.68	91.76	91.72	91.76	0.000522	0.10	0.40	7.18	0.13
River 2	Reach 2	199	50YrCHI3Hr	0.05	91.68	91.77	91.72	91.77	0.000557	0.11	0.48	7.38	0.14
River 2	Reach 2	199	100YrCHI3Hr	0.06	91.68	91.78	91.72	91.78	0.000577	0.12	0.53	7.47	0.14
River 2	Reach 2	199	2YrSCS24Hr	0.08	91.68	91.79	91.73	91.79	0.000625	0.13	0.59	7.55	0.15
River 2	Reach 2	199	5YrSCS24Hr	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	10YrSCS24Hr	0.04	91.68	91.77	91.72	91.77	0.000539	0.10	0.43	7.26	0.13
River 2	Reach 2	199	25YrSCS24Hr	0.06	91.68	91.78	91.72	91.78	0.000565	0.11	0.50	7.42	0.14
River 2	Reach 2	199	50YrSCS24Hr	0.07	91.68	91.79	91.73	91.79	0.000587	0.13	0.58	7.55	0.14
River 2	Reach 2	199	100YrSCS24Hr	0.09	91.68	91.79	91.73	91.79	0.000632	0.14	0.64	7.63	0.15
River 2	Reach 2	174	2YrCHI3Hr	0.02	91.68	91.71	91.70	91.72	0.008556	0.24	0.09	3.50	0.46
River 2	Reach 2	174	5YrCHI3Hr	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	10YrCHI3Hr	0.03	91.68	91.72	91.70	91.72	0.009515	0.27	0.11	3.59	0.49
River 2	Reach 2	174	25YrCHI3Hr	0.04	91.68	91.72	91.71	91.73	0.009556	0.30	0.13	3.72	0.51
River 2	Reach 2	174	50YrCHI3Hr	0.05	91.68	91.73	91.72	91.74	0.010094	0.34	0.15	3.87	0.54
River 2	Reach 2	174	100YrCHI3Hr	0.06	91.68	91.74	91.72	91.74	0.009997	0.36	0.18	3.98	0.54
River 2	Reach 2	174	2YrSCS24Hr	0.08	91.68	91.74	91.72	91.75	0.010128	0.38	0.20	4.07	0.55
River 2	Reach 2	174	5YrSCS24Hr	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	10YrSCS24Hr	0.04	91.68	91.73	91.71	91.73	0.010224	0.32	0.14	3.76	0.53
River 2	Reach 2	174	25YrSCS24Hr	0.06	91.68	91.73	91.72	91.74	0.010004	0.34	0.16	3.91	0.54
River 2	Reach 2	174	50YrSCS24Hr	0.07	91.68	91.74	91.72	91.75	0.010491	0.38	0.19	4.05	0.56
River 2	Reach 2	174	100YrSCS24Hr	0.09	91.68	91.75	91.73	91.75	0.011046	0.41	0.21	4.11	0.58
River 2	Reach 2	149	2YrCHI3Hr	0.02	91.22	91.26	91.26	91.26	0.061119	0.41	0.05	3.77	1.11
River 2	Reach 2	149	5YrCHI3Hr	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	10YrCHI3Hr	0.03	91.22	91.26	91.26	91.27	0.047461	0.40	0.07	4.38	1.00
River 2	Reach 2	149	25YrCHI3Hr	0.04	91.22	91.26	91.26	91.27	0.047907	0.44	0.09	4.54	1.03
River 2	Reach 2	149	50YrCHI3Hr	0.05	91.22	91.27	91.27	91.28	0.043351	0.48	0.11	4.71	1.01
River 2	Reach 2	149	100YrCHI3Hr	0.06	91.22	91.27	91.27	91.28	0.044171	0.52	0.12	4.81	1.04
River 2	Reach 2	149	2YrSCS24Hr	0.08	91.22	91.27	91.27	91.29	0.042366	0.55	0.14	4.94	1.04
River 2	Reach 2	149	5YrSCS24Hr	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	10YrSCS24Hr	0.04	91.22	91.27	91.27	91.28	0.041591	0.44	0.10	4.62	0.98
River 2	Reach 2	149	25YrSCS24Hr	0.06	91.22	91.27	91.27	91.28	0.043743	0.49	0.11	4.75	1.02
River 2	Reach 2	149	50YrSCS24Hr	0.07	91.22	91.27	91.27	91.29	0.040131	0.53	0.14	4.93	1.01
River 2	Reach 2	149	100YrSCS24Hr	0.09	91.22	91.28	91.28	91.29	0.036673	0.55	0.16	5.05	0.98
River 2	Reach 2	124	2YrCHI3Hr	0.02	90.90	91.05	90.93	91.05	0.000051	0.04	0.51	5.20	0.04
River 2	Reach 2	124	5YrCHI3Hr	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	10YrCHI3Hr	0.03	90.90	91.05	90.94	91.05	0.000070	0.05	0.54	5.32	0.05
River 2	Reach 2	124	25YrCHI3Hr	0.04	90.90	91.06	90.94	91.06	0.000126	0.06	0.59	6.58	0.07
River 2	Reach 2	124	50YrCHI3Hr	0.05	90.90	91.07	90.95	91.07	0.000169	0.08	0.66	6.85	0.08
River 2	Reach 2	124	100YrCHI3Hr	0.06	90.90	91.09	90.95	91.09	0.000156	0.08	0.78	7.22	0.08
River 2	Reach 2	124	2YrSCS24Hr	0.08	90.90	91.15	90.96	91.15	0.000057	0.06	1.24	8.13	0.05
River 2	Reach 2	124	5YrSCS24Hr	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	10YrSCS24Hr	0.04	90.90	91.07	90.94	91.07	0.000142	0.07	0.62	6.68	0.07
River 2	Reach 2	124	25YrSCS24Hr	0.06	90.90	91.08	90.95	91.08	0.000180	0.08	0.68	6.92	0.08
River 2	Reach 2	124	50YrSCS24Hr	0.07	90.90	91.12	90.95	91.13	0.000087	0.07	1.05	7.91	0.06
River 2	Reach 2	124	100YrSCS24Hr	0.09	90.90	91.19	90.96	91.19	0.000036	0.06	1.57	8.52	0.04
River 2	Reach 2	99	2YrCHI3Hr	0.02	90.90	91.05	90.92	91.05	0.000015	0.03	0.85	7.48	0.02
River 2	Reach 2	99	5YrCHI3Hr	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	10YrCHI3Hr	0.03	90.90	91.05	90.93	91.05	0.000021	0.03	0.89	7.53	0.03
River 2	Reach 2	99	25YrCHI3Hr	0.04	90.90	91.06	90.93	91.06	0.000031	0.04	0.95	7.59	0.04
River 2	Reach 2	99	50YrCHI3Hr	0.05	90.90	91.07	90.94	91.07	0.000046	0.05	1.03	7.67	0.04
River 2	Reach 2	99	100YrCHI3Hr	0.06	90.90	91.09	90.94	91.09	0.000047	0.05	1.16	7.80	0.05
River 2	Reach 2	99	2YrSCS24Hr	0.08	90.90	91.15	90.94	91.15	0.000023	0.05	1.64	8.27	0.03
River 2	Reach 2	99	5YrSCS24Hr	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	10YrSCS24Hr	0.04	90.90	91.06	90.93	91.06	0.000037	0.04	0.98	7.62	0.04
River 2	Reach 2	99	25YrSCS24Hr	0.06	90.90	91.07	90.94	91.07	0.000050	0.05	1.05	7.69	0.05
River 2	Reach 2	99	50YrSCS24Hr	0.07	90.90	91.12	90.94	91.12	0.000031	0.05	1.45	8.09	0.04
River 2	Reach 2	99	100YrSCS24Hr	0.09	90.90	91.19	90.95	91.19	0.000017	0.04	1.98	8.57	0.03
River 2	Reach 2	74	2YrCHI3Hr	0.02	90.89	91.05	90.92	91.05	0.000018	0.03	0.76	6.42	0.03
River 2	Reach 2	74	5YrCHI3Hr	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	10YrCHI3Hr	0.03	90.89	91.05	90.92	91.05	0.000025	0.04	0.80	6.46	0.03
River 2	Reach 2	74	25YrCHI3Hr	0.04	90.89	91.06	90.92	91.06	0.000038	0.04	0.85	6.52	0.04
River 2	Reach 2	74	50YrCHI3Hr	0.05	90.89	91.07	90.93	91.07	0.000056	0.06	0.91	6.60	0.05
River 2	Reach 2	74	100YrCHI3Hr	0.06	90.89	91.09	90.93	91.09	0.000058	0.06	1.02	6.72	0.05
River 2	Reach 2	74	2YrSCS24Hr	0.08	90.89	91.15	90.93	91.15	0.000029	0.05	1.44	7.11	0.04
River 2	Reach 2	74	5YrSCS24Hr	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	10YrSCS24Hr	0.04	90.89	91.06	90.93	91.06	0.000044	0.05	0.87	6.55	0.04
River 2	Reach 2	74	25YrSCS24Hr	0.06	90.89	91.07	90.93	91.07	0.000062	0.06	0.93	6.62	0.05
River 2	Reach 2	74	50YrSCS24Hr	0.07	90.89	91.12	90.93	91.12	0.000039	0.06	1.27	6.97	0.04
River 2	Reach 2	74	100YrSCS24Hr	0.09	90.89	91.19	90.94	91.19	0.000022	0.05	1.73	7.35	0.03

HEC-RAS Plan: 20260401-Pre_Dev_v03 (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	91.04	91.04	91.04	0.041786	0.40	0.05	2.97	0.96
River 2	Reach 2	49	5YrCHI3Hr	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	10YrCHI3Hr	0.03	91.00	91.04	91.04	91.05	0.047918	0.45	0.06	3.17	1.04
River 2	Reach 2	49	25YrCHI3Hr	0.04	91.00	91.04	91.04	91.05	0.036540	0.45	0.08	3.51	0.94
River 2	Reach 2	49	50YrCHI3Hr	0.05	91.00	91.05	91.05	91.06	0.040961	0.53	0.10	3.53	1.01
River 2	Reach 2	49	100YrCHI3Hr	0.06	91.00	91.08	91.05	91.08	0.006749	0.31	0.20	4.07	0.45
River 2	Reach 2	49	2YrSCS24Hr	0.08	91.00	91.14	91.06	91.14	0.000562	0.15	0.51	4.98	0.15
River 2	Reach 2	49	5YrSCS24Hr	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	10YrSCS24Hr	0.04	91.00	91.05	91.05	91.06	0.034072	0.47	0.09	3.52	0.92
River 2	Reach 2	49	25YrSCS24Hr	0.06	91.00	91.05	91.05	91.07	0.033949	0.51	0.11	3.55	0.94
River 2	Reach 2	49	50YrSCS24Hr	0.07	91.00	91.12	91.06	91.12	0.001250	0.19	0.39	4.83	0.21
River 2	Reach 2	49	100YrSCS24Hr	0.09	91.00	91.18	91.06	91.19	0.000276	0.12	0.74	5.95	0.11
River 2	Reach 2	28	2YrCHI3Hr	0.02	90.69	90.78	90.74	90.78	0.001371	0.13	0.15	3.29	0.20
River 2	Reach 2	28	5YrCHI3Hr	0.02	90.69	90.78	90.74	90.78	0.001282	0.13	0.15	3.33	0.20
River 2	Reach 2	28	10YrCHI3Hr	0.04	90.69	90.85	90.75	90.85	0.000177	0.08	0.48	5.18	0.08
River 2	Reach 2	28	25YrCHI3Hr	0.05	90.69	90.93	90.76	90.93	0.000052	0.06	0.90	6.29	0.05
River 2	Reach 2	28	50YrCHI3Hr	0.07	90.69	91.01	90.76	91.01	0.000022	0.05	1.49	7.15	0.03
River 2	Reach 2	28	100YrCHI3Hr	0.08	90.69	91.08	90.77	91.08	0.000014	0.04	1.97	7.69	0.03
River 2	Reach 2	28	2YrSCS24Hr	0.10	90.69	91.14	90.78	91.14	0.000010	0.04	2.49	8.18	0.02
River 2	Reach 2	28	5YrSCS24Hr	0.03	90.69	90.83	90.75	90.83	0.000352	0.10	0.36	4.70	0.11
River 2	Reach 2	28	10YrSCS24Hr	0.06	90.69	90.95	90.76	90.95	0.000040	0.05	1.07	6.57	0.04
River 2	Reach 2	28	25YrSCS24Hr	0.08	90.69	91.03	90.77	91.03	0.000021	0.05	1.60	7.29	0.03
River 2	Reach 2	28	50YrSCS24Hr	0.10	90.69	91.12	90.78	91.12	0.000012	0.04	2.29	8.00	0.03
River 2	Reach 2	28	100YrSCS24Hr	0.12	90.69	91.18	90.78	91.18	0.000009	0.04	2.83	8.49	0.02
River 2	Reach 2	7	2YrCHI3Hr	0.02	90.67	90.74	90.71	90.74	0.002152	0.15	0.13	3.25	0.25
River 2	Reach 2	7	5YrCHI3Hr	0.02	90.67	90.73	90.71	90.74	0.003481	0.18	0.11	3.14	0.31
River 2	Reach 2	7	10YrCHI3Hr	0.04	90.67	90.85	90.72	90.85	0.000083	0.06	0.60	5.19	0.06
River 2	Reach 2	7	25YrCHI3Hr	0.05	90.67	90.92	90.73	90.92	0.000031	0.05	1.02	5.92	0.04
River 2	Reach 2	7	50YrCHI3Hr	0.07	90.67	91.01	90.73	91.01	0.000016	0.04	1.57	6.44	0.03
River 2	Reach 2	7	100YrCHI3Hr	0.08	90.67	91.08	90.74	91.08	0.000011	0.04	1.99	6.71	0.02
River 2	Reach 2	7	2YrSCS24Hr	0.10	90.67	91.14	90.75	91.14	0.000009	0.04	2.44	6.99	0.02
River 2	Reach 2	7	5YrSCS24Hr	0.03	90.67	90.82	90.72	90.82	0.000142	0.07	0.47	4.74	0.07
River 2	Reach 2	7	10YrSCS24Hr	0.06	90.67	90.95	90.73	90.95	0.000026	0.05	1.18	6.12	0.04
River 2	Reach 2	7	25YrSCS24Hr	0.08	90.67	91.03	90.74	91.03	0.000016	0.05	1.66	6.50	0.03
River 2	Reach 2	7	50YrSCS24Hr	0.10	90.67	91.12	90.74	91.12	0.000010	0.04	2.27	6.88	0.02
River 2	Reach 2	7	100YrSCS24Hr	0.12	90.67	91.18	90.75	91.18	0.000008	0.04	2.73	7.16	0.02
River 1	Reach 1-Upper	908	2YrCHI3Hr	0.02	94.14	94.22	94.18	94.22	0.001632	0.16	0.12	2.47	0.22
River 1	Reach 1-Upper	908	5YrCHI3Hr	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	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	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	100YrCHI3Hr	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	2YrSCS24Hr	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	5YrSCS24Hr	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	10YrSCS24Hr	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	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	94.27	94.21	94.27	0.002241	0.25	0.25	3.26	0.28
River 1	Reach 1-Upper	908	100YrSCS24Hr	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	887	2YrCHI3Hr	0.02	94.10	94.16	94.14	94.16	0.007210	0.24	0.08	2.48	0.44
River 1	Reach 1-Upper	887	5YrCHI3Hr	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	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	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	100YrCHI3Hr	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	2YrSCS24Hr	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	5YrSCS24Hr	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	10YrSCS24Hr	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	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	94.17	94.20	0.005786	0.31	0.20	3.56	0.43
River 1	Reach 1-Upper	887	100YrSCS24Hr	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	868	2YrCHI3Hr	0.02	93.96	94.03	94.01	94.03	0.006094	0.26	0.07	1.89	0.41
River 1	Reach 1-Upper	868	5YrCHI3Hr	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	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	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	100YrCHI3Hr	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	2YrSCS24Hr	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	5YrSCS24Hr	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	10YrSCS24Hr	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	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	94.07	94.04	94.08	0.007363	0.39	0.16	2.55	0.49
River 1	Reach 1-Upper	868	100YrSCS24Hr	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	848	2YrCHI3Hr	0.02	93.87	93.92	93.90	93.93	0.004549	0.20	0.09	2.73	0.35
River 1	Reach 1-Upper	848	5YrCHI3Hr	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	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	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	100YrCHI3Hr	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	2YrSCS24Hr	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	5YrSCS24Hr	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	10YrSCS24Hr	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	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	93.96	93.93	93.97	0.004423	0.30	0.21	3.29	0.38

HEC-RAS Plan: 20260401-Pre_Dev_v03 (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	0.07	93.87	94.04	93.93	94.04	0.000430	0.15	0.50	3.98	0.13
River 1	Reach 1-Upper	828	2YrCHI3Hr	0.02	93.78	93.86	93.82	93.86	0.002644	0.17	0.11	2.77	0.27
River 1	Reach 1-Upper	828	5YrCHI3Hr	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	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	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	100YrCHI3Hr	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	2YrSCS24Hr	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	5YrSCS24Hr	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	10YrSCS24Hr	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	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	93.90	93.85	93.90	0.002459	0.25	0.25	3.50	0.29
River 1	Reach 1-Upper	828	100YrSCS24Hr	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	807	2YrCHI3Hr	0.02	93.65	93.70	93.70	93.71	0.044163	0.52	0.04	1.46	1.04
River 1	Reach 1-Upper	807	5YrCHI3Hr	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	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	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	100YrCHI3Hr	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	2YrSCS24Hr	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	5YrSCS24Hr	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	10YrSCS24Hr	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	25YrSCS24Hr	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	50YrSCS24Hr	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	100YrSCS24Hr	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	789	2YrCHI3Hr	0.02	93.49	93.69	93.53	93.69	0.000037	0.05	0.38	3.33	0.04
River 1	Reach 1-Upper	789	5YrCHI3Hr	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	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	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	100YrCHI3Hr	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	2YrSCS24Hr	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	5YrSCS24Hr	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	10YrSCS24Hr	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	25YrSCS24Hr	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	50YrSCS24Hr	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	100YrSCS24Hr	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	764		Culvert									
River 1	Reach 1-Upper	759	2YrCHI3Hr	0.02	93.46	93.54	93.50	93.54	0.002883	0.23	0.08	1.83	0.30
River 1	Reach 1-Upper	759	5YrCHI3Hr	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	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	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	100YrCHI3Hr	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	2YrSCS24Hr	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	5YrSCS24Hr	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	10YrSCS24Hr	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	25YrSCS24Hr	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	50YrSCS24Hr	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	100YrSCS24Hr	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	743	2YrCHI3Hr	0.02	93.40	93.49	93.45	93.50	0.002754	0.25	0.08	1.55	0.30
River 1	Reach 1-Upper	743	5YrCHI3Hr	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	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	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	100YrCHI3Hr	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	2YrSCS24Hr	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	5YrSCS24Hr	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	10YrSCS24Hr	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	25YrSCS24Hr	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	50YrSCS24Hr	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	100YrSCS24Hr	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	733		Culvert									
River 1	Reach 1-Upper	728	2YrCHI3Hr	0.02	93.33	93.48	93.39	93.48	0.000387	0.13	0.15	1.68	0.12
River 1	Reach 1-Upper	728	5YrCHI3Hr	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	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	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	100YrCHI3Hr	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	2YrSCS24Hr	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	5YrSCS24Hr	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	10YrSCS24Hr	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	25YrSCS24Hr	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	50YrSCS24Hr	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	100YrSCS24Hr	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	715	2YrCHI3Hr	0.02	93.32	93.48	93.36	93.48	0.000151	0.10	0.20	2.44	0.08
River 1	Reach 1-Upper	715	5YrCHI3Hr	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	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	0.05	93.32	93.63	93.39	93.63	0.000096	0.12	0.41	3.92	0.07
River 1	Reach 1-Upper	715	100YrCHI3Hr	0.06	93.32	93.70	93.39	93.70	0.000061	0.11	0.51	4.63	0.06

HEC-RAS Plan: 20260401-Pre_Dev_v03 (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	0.07	93.32	93.77	93.40	93.78	0.000044	0.11	0.61	9.10	0.05
River 1	Reach 1-Upper	715	5YrSCS24Hr	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	10YrSCS24Hr	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	25YrSCS24Hr	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	50YrSCS24Hr	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	100YrSCS24Hr	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	705	Culvert										
River 1	Reach 1-Upper	698	2YrCHI3Hr	0.02	93.24	93.31	93.29	93.32	0.010647	0.37	0.05	1.15	0.56
River 1	Reach 1-Upper	698	5YrCHI3Hr	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	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	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	100YrCHI3Hr	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	2YrSCS24Hr	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	5YrSCS24Hr	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	10YrSCS24Hr	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	25YrSCS24Hr	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	50YrSCS24Hr	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	100YrSCS24Hr	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	681	2YrCHI3Hr	0.02	93.14	93.22	93.19	93.22	0.003726	0.23	0.08	1.65	0.34
River 1	Reach 1-Upper	681	5YrCHI3Hr	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	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	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	100YrCHI3Hr	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	2YrSCS24Hr	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	5YrSCS24Hr	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	10YrSCS24Hr	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	25YrSCS24Hr	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	50YrSCS24Hr	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	100YrSCS24Hr	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	663	2YrCHI3Hr	0.02	93.05	93.19		93.19	0.000887	0.16	0.12	1.35	0.18
River 1	Reach 1-Upper	663	5YrCHI3Hr	0.02	93.05	93.18		93.18	0.000677	0.14	0.11	1.31	0.15
River 1	Reach 1-Upper	663	10YrCHI3Hr	0.03	93.05	93.22		93.23	0.000607	0.15	0.17	1.60	0.15
River 1	Reach 1-Upper	663	25YrCHI3Hr	0.03	93.05	93.26		93.26	0.000492	0.15	0.23	1.84	0.14
River 1	Reach 1-Upper	663	50YrCHI3Hr	0.05	93.05	93.42		93.42	0.000064	0.07	0.63	3.25	0.05
River 1	Reach 1-Upper	663	100YrCHI3Hr	0.06	93.05	93.51		93.51	0.000032	0.06	0.96	4.42	0.04
River 1	Reach 1-Upper	663	2YrSCS24Hr	0.07	93.05	93.51		93.51	0.000043	0.07	0.97	4.46	0.05
River 1	Reach 1-Upper	663	5YrSCS24Hr	0.02	93.05	93.21		93.22	0.000676	0.16	0.15	1.53	0.16
River 1	Reach 1-Upper	663	10YrSCS24Hr	0.04	93.05	93.28		93.28	0.000393	0.14	0.26	1.97	0.13
River 1	Reach 1-Upper	663	25YrSCS24Hr	0.05	93.05	93.46		93.46	0.000042	0.06	0.78	3.77	0.04
River 1	Reach 1-Upper	663	50YrSCS24Hr	0.06	93.05	93.51		93.51	0.000037	0.06	0.96	4.44	0.04
River 1	Reach 1-Upper	663	100YrSCS24Hr	0.07	93.05	93.51		93.51	0.000050	0.08	0.97	4.48	0.05
River 1	Reach 1-Upper	656	2YrCHI3Hr	0.06	93.03	93.15	93.12	93.16	0.007897	0.46	0.13	1.69	0.53
River 1	Reach 1-Upper	656	5YrCHI3Hr	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	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	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	100YrCHI3Hr	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	2YrSCS24Hr	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	5YrSCS24Hr	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	10YrSCS24Hr	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	25YrSCS24Hr	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	50YrSCS24Hr	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	100YrSCS24Hr	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	638	2YrCHI3Hr	0.06	92.92	93.08	93.01	93.08	0.002811	0.33	0.19	1.85	0.33
River 1	Reach 1-Upper	638	5YrCHI3Hr	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	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	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	100YrCHI3Hr	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	2YrSCS24Hr	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	5YrSCS24Hr	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	10YrSCS24Hr	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	25YrSCS24Hr	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	50YrSCS24Hr	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	100YrSCS24Hr	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	617	2YrCHI3Hr	0.06	92.84	93.02	92.95	93.02	0.002976	0.32	0.19	2.05	0.33
River 1	Reach 1-Upper	617	5YrCHI3Hr	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	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	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	100YrCHI3Hr	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	2YrSCS24Hr	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	5YrSCS24Hr	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	10YrSCS24Hr	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	25YrSCS24Hr	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	50YrSCS24Hr	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	100YrSCS24Hr	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	598	2YrCHI3Hr	0.06	92.76	93.00	92.86	93.00	0.000514	0.18	0.36	2.60	0.15
River 1	Reach 1-Upper	598	5YrCHI3Hr	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	10YrCHI3Hr	0.11	92.76	93.10	92.89	93.10	0.000269	0.18	0.61	3.40	0.12

HEC-RAS Plan: 20260401-Pre_Dev_v03 (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	0.15	92.76	93.19	92.91	93.19	0.000175	0.18	0.82	5.45	0.10
River 1	Reach 1-Upper	598	50YrCHI3Hr	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	100YrCHI3Hr	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	2YrSCS24Hr	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	5YrSCS24Hr	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	10YrSCS24Hr	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	25YrSCS24Hr	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	50YrSCS24Hr	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	100YrSCS24Hr	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	589		Culvert									
River 1	Reach 1-Upper	581	2YrCHI3Hr	0.06	92.71	92.89	92.81	92.89	0.002034	0.27	0.24	2.66	0.28
River 1	Reach 1-Upper	581	5YrCHI3Hr	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	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	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	100YrCHI3Hr	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	2YrSCS24Hr	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	5YrSCS24Hr	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	10YrSCS24Hr	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	25YrSCS24Hr	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	50YrSCS24Hr	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	100YrSCS24Hr	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	572	2YrCHI3Hr	0.06	92.73	92.85	92.82	92.86	0.008674	0.45	0.14	2.02	0.54
River 1	Reach 1-Upper	572	5YrCHI3Hr	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	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	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	100YrCHI3Hr	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	2YrSCS24Hr	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	5YrSCS24Hr	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	10YrSCS24Hr	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	25YrSCS24Hr	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	50YrSCS24Hr	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	100YrSCS24Hr	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	555	2YrCHI3Hr	0.06	92.61	92.81	92.71	92.81	0.000982	0.20	0.32	2.99	0.20
River 1	Reach 1-Upper	555	5YrCHI3Hr	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	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	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	100YrCHI3Hr	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	2YrSCS24Hr	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	5YrSCS24Hr	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	10YrSCS24Hr	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	25YrSCS24Hr	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	50YrSCS24Hr	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	100YrSCS24Hr	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	534	2YrCHI3Hr	0.06	92.59	92.79	92.69	92.79	0.001542	0.25	0.26	2.47	0.24
River 1	Reach 1-Upper	534	5YrCHI3Hr	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	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	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	100YrCHI3Hr	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	2YrSCS24Hr	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	5YrSCS24Hr	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	10YrSCS24Hr	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	25YrSCS24Hr	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	50YrSCS24Hr	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	100YrSCS24Hr	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	510	2YrCHI3Hr	0.06	92.60	92.72	92.68	92.73	0.004446	0.41	0.16	2.77	0.41
River 1	Reach 1-Upper	510	5YrCHI3Hr	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	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	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	100YrCHI3Hr	0.23	92.60	93.18	92.75	93.19	0.000190	0.26	0.90	109.29	0.11
River 1	Reach 1-Upper	510	2YrSCS24Hr	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	5YrSCS24Hr	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	10YrSCS24Hr	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	25YrSCS24Hr	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	50YrSCS24Hr	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	100YrSCS24Hr	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	505		Culvert									
River 1	Reach 1-Upper	502	2YrCHI3Hr	0.07	92.49	92.61	92.57	92.62	0.007737	0.51	0.14	2.26	0.54
River 1	Reach 1-Upper	502	5YrCHI3Hr	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	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	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	100YrCHI3Hr	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	2YrSCS24Hr	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	5YrSCS24Hr	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	10YrSCS24Hr	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	25YrSCS24Hr	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	50YrSCS24Hr	0.29	92.49	92.92	92.67	92.94	0.000902	0.47	0.62	7.34	0.24

HEC-RAS Plan: 20260401-Pre_Dev_v03 (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	0.34	92.49	93.11	92.69	93.12	0.000353	0.38	0.90	105.15	0.16
River 1	Reach 1-Upper	493	2YrCHI3Hr	0.07	92.34	92.61	92.42	92.61	0.000133	0.10	0.75	4.68	0.08
River 1	Reach 1-Upper	493	5YrCHI3Hr	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	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	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	100YrCHI3Hr	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	2YrSCS24Hr	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	5YrSCS24Hr	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	10YrSCS24Hr	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	25YrSCS24Hr	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	50YrSCS24Hr	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	100YrSCS24Hr	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	474	2YrCHI3Hr	0.07	92.41	92.60	92.50	92.60	0.000597	0.15	0.49	5.07	0.15
River 1	Reach 1-Upper	474	5YrCHI3Hr	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	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	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	100YrCHI3Hr	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	2YrSCS24Hr	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	5YrSCS24Hr	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	10YrSCS24Hr	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	25YrSCS24Hr	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	50YrSCS24Hr	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	100YrSCS24Hr	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	454	2YrCHI3Hr	0.07	92.44	92.58	92.51	92.59	0.001604	0.25	0.29	2.89	0.25
River 1	Reach 1-Upper	454	5YrCHI3Hr	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	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	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	100YrCHI3Hr	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	2YrSCS24Hr	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	5YrSCS24Hr	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	10YrSCS24Hr	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	25YrSCS24Hr	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	50YrSCS24Hr	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	100YrSCS24Hr	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	434	2YrCHI3Hr	0.07	92.42	92.54	92.49	92.54	0.003131	0.30	0.24	2.93	0.33
River 1	Reach 1-Upper	434	5YrCHI3Hr	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	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	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	100YrCHI3Hr	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	2YrSCS24Hr	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	5YrSCS24Hr	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	10YrSCS24Hr	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	25YrSCS24Hr	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	50YrSCS24Hr	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	100YrSCS24Hr	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	416	2YrCHI3Hr	0.07	92.34	92.52	92.42	92.52	0.000594	0.15	0.47	4.81	0.15
River 1	Reach 1-Upper	416	5YrCHI3Hr	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	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	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	100YrCHI3Hr	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	2YrSCS24Hr	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	5YrSCS24Hr	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	10YrSCS24Hr	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	25YrSCS24Hr	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	50YrSCS24Hr	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	100YrSCS24Hr	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	398	2YrCHI3Hr	0.07	92.28	92.50	92.40	92.51	0.000938	0.22	0.33	2.54	0.20
River 1	Reach 1-Upper	398	5YrCHI3Hr	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	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	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	100YrCHI3Hr	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	2YrSCS24Hr	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	5YrSCS24Hr	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	10YrSCS24Hr	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	25YrSCS24Hr	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	50YrSCS24Hr	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	100YrSCS24Hr	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	383	2YrCHI3Hr	0.07	92.34	92.47	92.42	92.48	0.004360	0.39	0.19	1.94	0.40
River 1	Reach 1-Upper	383	5YrCHI3Hr	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	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	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	100YrCHI3Hr	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	2YrSCS24Hr	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	5YrSCS24Hr	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	10YrSCS24Hr	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	25YrSCS24Hr	0.23	92.34	92.73	92.49	92.73	0.000520	0.26	0.88	3.42	0.16

HEC-RAS Plan: 20260401-Pre_Dev_v03 (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	0.29	92.34	92.93	92.51	92.93	0.000147	0.18	1.66	4.73	0.09
River 1	Reach 1-Upper	383	100YrSCS24Hr	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	364	2YrCHI3Hr	0.07	92.23	92.43	92.33	92.44	0.001347	0.27	0.27	2.04	0.23
River 1	Reach 1-Upper	364	5YrCHI3Hr	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	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	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	100YrCHI3Hr	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	2YrSCS24Hr	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	5YrSCS24Hr	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	10YrSCS24Hr	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	25YrSCS24Hr	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	50YrSCS24Hr	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	100YrSCS24Hr	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	347	2YrCHI3Hr	0.07	92.26	92.41	92.33	92.41	0.001311	0.25	0.29	2.48	0.23
River 1	Reach 1-Upper	347	5YrCHI3Hr	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	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	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	100YrCHI3Hr	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	2YrSCS24Hr	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	5YrSCS24Hr	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	10YrSCS24Hr	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	25YrSCS24Hr	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	50YrSCS24Hr	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	100YrSCS24Hr	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	328	2YrCHI3Hr	0.07	92.20	92.38	92.29	92.38	0.001752	0.30	0.24	1.87	0.27
River 1	Reach 1-Upper	328	5YrCHI3Hr	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	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	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	100YrCHI3Hr	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	2YrSCS24Hr	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	5YrSCS24Hr	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	10YrSCS24Hr	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	25YrSCS24Hr	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	50YrSCS24Hr	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	100YrSCS24Hr	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	306	2YrCHI3Hr	0.07	92.07	92.36	92.19	92.36	0.000723	0.26	0.28	1.53	0.18
River 1	Reach 1-Upper	306	5YrCHI3Hr	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	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	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	100YrCHI3Hr	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	2YrSCS24Hr	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	5YrSCS24Hr	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	10YrSCS24Hr	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	25YrSCS24Hr	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	50YrSCS24Hr	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	100YrSCS24Hr	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	300		Culvert									
River 1	Reach 1-Upper	294	2YrCHI3Hr	0.07	92.15	92.32	92.23	92.33	0.001574	0.32	0.23	2.11	0.26
River 1	Reach 1-Upper	294	5YrCHI3Hr	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	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	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	100YrCHI3Hr	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	2YrSCS24Hr	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	5YrSCS24Hr	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	10YrSCS24Hr	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	25YrSCS24Hr	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	50YrSCS24Hr	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	100YrSCS24Hr	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	279	2YrCHI3Hr	0.09	92.08	92.21	92.21	92.25	0.030968	0.83	0.10	1.54	1.01
River 1	Reach 1-Upper	279	5YrCHI3Hr	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	10YrCHI3Hr	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	25YrCHI3Hr	0.20	92.08	92.28		92.32	0.017826	0.87	0.23	2.04	0.83
River 1	Reach 1-Upper	279	50YrCHI3Hr	0.27	92.08	92.32		92.36	0.013314	0.86	0.31	2.27	0.74
River 1	Reach 1-Upper	279	100YrCHI3Hr	0.32	92.08	92.34		92.38	0.011695	0.87	0.37	2.42	0.71
River 1	Reach 1-Upper	279	2YrSCS24Hr	0.38	92.08	92.37		92.41	0.010643	0.88	0.43	2.57	0.69
River 1	Reach 1-Upper	279	5YrSCS24Hr	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	10YrSCS24Hr	0.22	92.08	92.29		92.33	0.015917	0.86	0.25	2.10	0.80
River 1	Reach 1-Upper	279	25YrSCS24Hr	0.28	92.08	92.32		92.36	0.012955	0.86	0.32	2.30	0.74
River 1	Reach 1-Upper	279	50YrSCS24Hr	0.36	92.08	92.36		92.40	0.011055	0.88	0.41	2.51	0.70
River 1	Reach 1-Upper	279	100YrSCS24Hr	0.42	92.08	92.38		92.42	0.010063	0.89	0.47	2.66	0.67
River 1	Reach 1-Upper	277	2YrCHI3Hr	0.09	91.95	92.21		92.21	0.000715	0.22	0.40	2.73	0.18
River 1	Reach 1-Upper	277	5YrCHI3Hr	0.08	91.95	92.20		92.21	0.000695	0.21	0.39	2.70	0.17
River 1	Reach 1-Upper	277	10YrCHI3Hr	0.15	91.95	92.26		92.26	0.000856	0.28	0.54	3.02	0.20
River 1	Reach 1-Upper	277	25YrCHI3Hr	0.20	91.95	92.29		92.30	0.000927	0.32	0.64	3.19	0.21
River 1	Reach 1-Upper	277	50YrCHI3Hr	0.27	91.95	92.33		92.33	0.001006	0.37	0.76	3.41	0.23
River 1	Reach 1-Upper	277	100YrCHI3Hr	0.32	91.95	92.35		92.36	0.001068	0.41	0.85	3.55	0.24
River 1	Reach 1-Upper	277	2YrSCS24Hr	0.38	91.95	92.38		92.39	0.001131	0.44	0.95	3.69	0.25

HEC-RAS Plan: 20260401-Pre_Dev_v03 (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	0.13	91.95	92.25		92.25	0.000826	0.26	0.50	2.94	0.20
River 1	Reach 1-Upper	277	10YrSCS24Hr	0.22	91.95	92.30		92.31	0.000941	0.33	0.68	3.25	0.22
River 1	Reach 1-Upper	277	25YrSCS24Hr	0.28	91.95	92.33		92.34	0.001018	0.38	0.78	3.43	0.23
River 1	Reach 1-Upper	277	50YrSCS24Hr	0.36	91.95	92.37		92.38	0.001104	0.43	0.91	3.63	0.25
River 1	Reach 1-Upper	277	100YrSCS24Hr	0.42	91.95	92.39		92.40	0.001159	0.46	1.00	3.77	0.26
River 1	Reach 1-Upper	270	2YrCHI3Hr	0.09	92.03	92.20		92.20	0.001702	0.28	0.31	2.65	0.26
River 1	Reach 1-Upper	270	5YrCHI3Hr	0.08	92.03	92.20		92.20	0.001692	0.27	0.29	2.60	0.26
River 1	Reach 1-Upper	270	10YrCHI3Hr	0.15	92.03	92.25		92.25	0.001753	0.33	0.45	3.07	0.27
River 1	Reach 1-Upper	270	25YrCHI3Hr	0.20	92.03	92.28		92.29	0.001743	0.36	0.55	3.36	0.28
River 1	Reach 1-Upper	270	50YrCHI3Hr	0.27	92.03	92.32		92.33	0.001732	0.40	0.68	3.72	0.29
River 1	Reach 1-Upper	270	100YrCHI3Hr	0.32	92.03	92.34		92.35	0.001721	0.42	0.78	4.13	0.29
River 1	Reach 1-Upper	270	2YrSCS24Hr	0.38	92.03	92.37		92.38	0.001663	0.45	0.90	5.00	0.29
River 1	Reach 1-Upper	270	5YrSCS24Hr	0.13	92.03	92.24		92.24	0.001760	0.32	0.40	2.95	0.27
River 1	Reach 1-Upper	270	10YrSCS24Hr	0.22	92.03	92.29		92.30	0.001717	0.37	0.58	3.47	0.28
River 1	Reach 1-Upper	270	25YrSCS24Hr	0.28	92.03	92.32		92.33	0.001734	0.40	0.70	3.76	0.29
River 1	Reach 1-Upper	270	50YrSCS24Hr	0.36	92.03	92.36		92.37	0.001687	0.44	0.84	4.62	0.29
River 1	Reach 1-Upper	270	100YrSCS24Hr	0.42	92.03	92.38		92.39	0.001617	0.46	0.97	5.51	0.29
River 1	Reach 1-Upper	261	2YrCHI3Hr	0.09	92.00	92.18	92.10	92.19	0.002251	0.33	0.26	2.11	0.30
River 1	Reach 1-Upper	261	5YrCHI3Hr	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	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	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	100YrCHI3Hr	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	2YrSCS24Hr	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	5YrSCS24Hr	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	10YrSCS24Hr	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	25YrSCS24Hr	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	50YrSCS24Hr	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	100YrSCS24Hr	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	239	2YrCHI3Hr	0.09	91.93	92.05	92.04	92.07	0.017641	0.69	0.12	1.58	0.78
River 1	Reach 1-Upper	239	5YrCHI3Hr	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	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	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	100YrCHI3Hr	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	2YrSCS24Hr	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	5YrSCS24Hr	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	10YrSCS24Hr	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	25YrSCS24Hr	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	50YrSCS24Hr	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	100YrSCS24Hr	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	218	2YrCHI3Hr	0.09	91.82	91.97	91.90	91.98	0.002011	0.30	0.29	2.50	0.28
River 1	Reach 1-Upper	218	5YrCHI3Hr	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	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	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	100YrCHI3Hr	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	2YrSCS24Hr	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	5YrSCS24Hr	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	10YrSCS24Hr	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	25YrSCS24Hr	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	50YrSCS24Hr	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	100YrSCS24Hr	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	197	2YrCHI3Hr	0.09	91.73	91.86	91.84	91.88	0.015766	0.67	0.13	1.59	0.75
River 1	Reach 1-Upper	197	5YrCHI3Hr	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	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	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	100YrCHI3Hr	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	2YrSCS24Hr	0.38	91.73	92.00	91.96	92.04	0.010540	0.91	0.42	2.39	0.69
River 1	Reach 1-Upper	197	5YrSCS24Hr	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	10YrSCS24Hr	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	25YrSCS24Hr	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	50YrSCS24Hr	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	100YrSCS24Hr	0.42	91.73	92.02	91.97	92.06	0.010409	0.93	0.45	2.44	0.69
River 1	Reach 1-Upper	174	2YrCHI3Hr	0.09	91.52	91.70	91.64	91.71	0.004240	0.42	0.20	1.84	0.40
River 1	Reach 1-Upper	174	5YrCHI3Hr	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	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	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	100YrCHI3Hr	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	2YrSCS24Hr	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	5YrSCS24Hr	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	10YrSCS24Hr	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	25YrSCS24Hr	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	50YrSCS24Hr	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	100YrSCS24Hr	0.42	91.52	91.87	91.77	91.89	0.005140	0.71	0.59	2.76	0.49
River 1	Reach 1-Upper	154	2YrCHI3Hr	0.09	91.43	91.62	91.56	91.63	0.004316	0.40	0.22	2.21	0.40
River 1	Reach 1-Upper	154	5YrCHI3Hr	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	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	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	100YrCHI3Hr	0.32	91.43	91.75	91.65	91.76	0.003985	0.56	0.58	3.28	0.43

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	0.38	91.43	91.77	91.67	91.79	0.003883	0.58	0.66	3.44	0.43
River 1	Reach 1-Upper	154	5YrSCS24Hr	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	10YrSCS24Hr	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	25YrSCS24Hr	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	50YrSCS24Hr	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	100YrSCS24Hr	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	137	2YrCHI3Hr	0.09	91.33	91.49	91.46	91.51	0.011391	0.63	0.14	1.43	0.65
River 1	Reach 1-Upper	137	5YrCHI3Hr	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	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	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	100YrCHI3Hr	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	2YrSCS24Hr	0.38	91.33	91.65	91.59	91.69	0.009818	0.90	0.42	2.25	0.66
River 1	Reach 1-Upper	137	5YrSCS24Hr	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	10YrSCS24Hr	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	25YrSCS24Hr	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	50YrSCS24Hr	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	100YrSCS24Hr	0.42	91.33	91.66	91.60	91.70	0.009566	0.92	0.46	2.33	0.66
River 1	Reach 1-Upper	116	2YrCHI3Hr	0.09	91.23	91.38	91.32	91.39	0.003211	0.37	0.23	2.08	0.35
River 1	Reach 1-Upper	116	5YrCHI3Hr	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	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	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	100YrCHI3Hr	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	2YrSCS24Hr	0.38	91.23	91.56	91.42	91.58	0.002806	0.55	0.70	3.06	0.37
River 1	Reach 1-Upper	116	5YrSCS24Hr	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	10YrSCS24Hr	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	25YrSCS24Hr	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	50YrSCS24Hr	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	100YrSCS24Hr	0.42	91.23	91.58	91.43	91.60	0.002587	0.55	0.76	3.16	0.36
River 1	Reach 1-Upper	95	2YrCHI3Hr	0.09	91.07	91.29	91.23	91.30	0.006154	0.52	0.16	1.38	0.48
River 1	Reach 1-Upper	95	5YrCHI3Hr	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	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	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	100YrCHI3Hr	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	2YrSCS24Hr	0.38	91.07	91.42	91.37	91.47	0.012265	1.01	0.38	1.98	0.74
River 1	Reach 1-Upper	95	5YrSCS24Hr	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	10YrSCS24Hr	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	25YrSCS24Hr	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	50YrSCS24Hr	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	100YrSCS24Hr	0.42	91.07	91.38	91.38	91.47	0.023623	1.32	0.32	1.84	1.01
River 1	Reach 1-Upper	72	2YrCHI3Hr	0.09	90.91	91.00	91.00	91.03	0.030446	0.75	0.12	1.98	0.99
River 1	Reach 1-Upper	72	5YrCHI3Hr	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	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	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	100YrCHI3Hr	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	2YrSCS24Hr	0.38	90.91	91.12	91.10	91.16	0.014685	0.89	0.43	3.28	0.78
River 1	Reach 1-Upper	72	5YrSCS24Hr	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	10YrSCS24Hr	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	25YrSCS24Hr	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	50YrSCS24Hr	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	100YrSCS24Hr	0.42	90.91	91.17	91.11	91.19	0.006547	0.69	0.61	3.71	0.54
River 1	Reach 1-Lower	56	2YrCHI3Hr	0.15	90.47	90.73	90.57	90.74	0.000357	0.19	0.75	10.20	0.13
River 1	Reach 1-Lower	56	5YrCHI3Hr	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	10YrCHI3Hr	0.27	90.47	90.84	90.60	90.85	0.000296	0.23	1.14	14.31	0.13
River 1	Reach 1-Lower	56	25YrCHI3Hr	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	50YrCHI3Hr	0.50	90.47	91.01	90.64	91.01	0.000269	0.29	1.71	19.79	0.13
River 1	Reach 1-Lower	56	100YrCHI3Hr	0.60	90.47	91.07	90.66	91.08	0.000266	0.31	1.93	20.02	0.13
River 1	Reach 1-Lower	56	2YrSCS24Hr	0.72	90.47	91.14	90.68	91.14	0.000263	0.34	2.16	20.02	0.14
River 1	Reach 1-Lower	56	5YrSCS24Hr	0.23	90.47	90.82	90.59	90.82	0.000305	0.22	1.05	13.10	0.13
River 1	Reach 1-Lower	56	10YrSCS24Hr	0.40	90.47	90.95	90.63	90.95	0.000276	0.27	1.50	18.26	0.13
River 1	Reach 1-Lower	56	25YrSCS24Hr	0.52	90.47	91.02	90.65	91.03	0.000268	0.30	1.76	19.94	0.13
River 1	Reach 1-Lower	56	50YrSCS24Hr	0.68	90.47	91.11	90.68	91.12	0.000265	0.33	2.08	20.02	0.14
River 1	Reach 1-Lower	56	100YrSCS24Hr	0.81	90.47	91.18	90.69	91.18	0.000263	0.35	2.30	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	0.005051	0.43	0.34	30.28	0.44
River 1	Reach 1-Lower	38	5YrCHI3Hr	0.14	90.46	90.57	90.53	90.58	0.004988	0.42	0.33	29.98	0.44
River 1	Reach 1-Lower	38	10YrCHI3Hr	0.27	90.46	90.60	90.56	90.62	0.007033	0.60	0.44	34.43	0.54
River 1	Reach 1-Lower	38	25YrCHI3Hr	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	50YrCHI3Hr	0.50	90.46	90.63	90.60	90.67	0.010740	0.88	0.57	36.55	0.70
River 1	Reach 1-Lower	38	100YrCHI3Hr	0.60	90.46	90.65	90.62	90.70	0.012455	0.99	0.61	36.99	0.76
River 1	Reach 1-Lower	38	2YrSCS24Hr	0.72	90.46	90.66	90.64	90.72	0.014168	1.11	0.65	37.76	0.82
River 1	Reach 1-Lower	38	5YrSCS24Hr	0.23	90.46	90.59	90.55	90.61	0.006416	0.56	0.42	33.57	0.51
River 1	Reach 1-Lower	38	10YrSCS24Hr	0.40	90.46	90.62	90.58	90.65	0.009262	0.77	0.52	36.29	0.64
River 1	Reach 1-Lower	38	25YrSCS24Hr	0.52	90.46	90.64	90.60	90.68	0.011117	0.90	0.58	36.61	0.71
River 1	Reach 1-Lower	38	50YrSCS24Hr	0.68	90.46	90.65	90.63	90.71	0.013424	1.06	0.64	37.48	0.80
River 1	Reach 1-Lower	38	100YrSCS24Hr	0.81	90.46	90.66	90.64	90.74	0.015528	1.19	0.68	38.08	0.86
River 1	Reach 1-Lower	0	2YrCHI3Hr	0.15	90.42	90.50	90.46	90.50	0.001001	0.13	1.08	18.88	0.18
River 1	Reach 1-Lower	0	5YrCHI3Hr	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	10YrCHI3Hr	0.27	90.42	90.53	90.47	90.53	0.001000	0.17	1.59	20.05	0.19

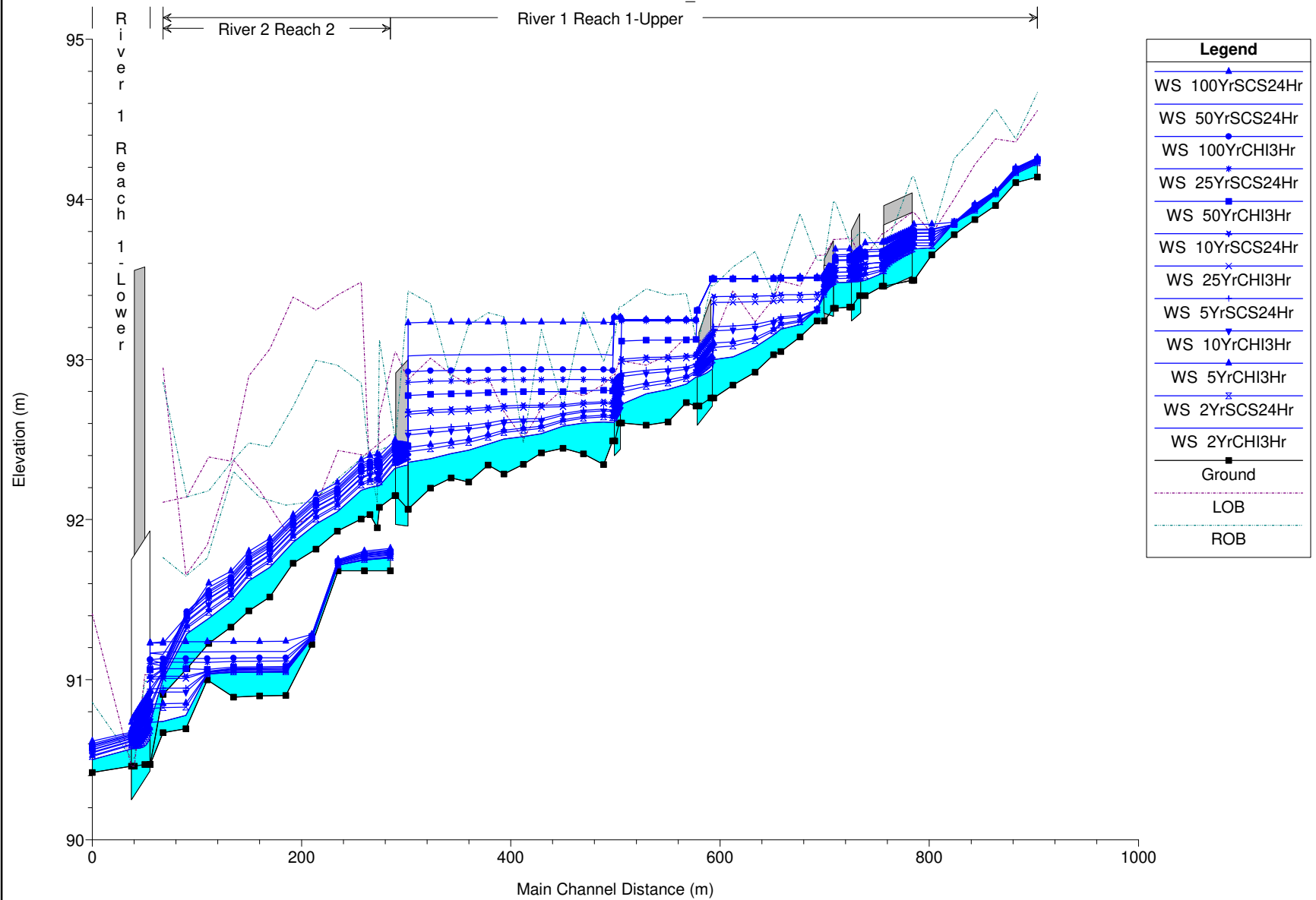
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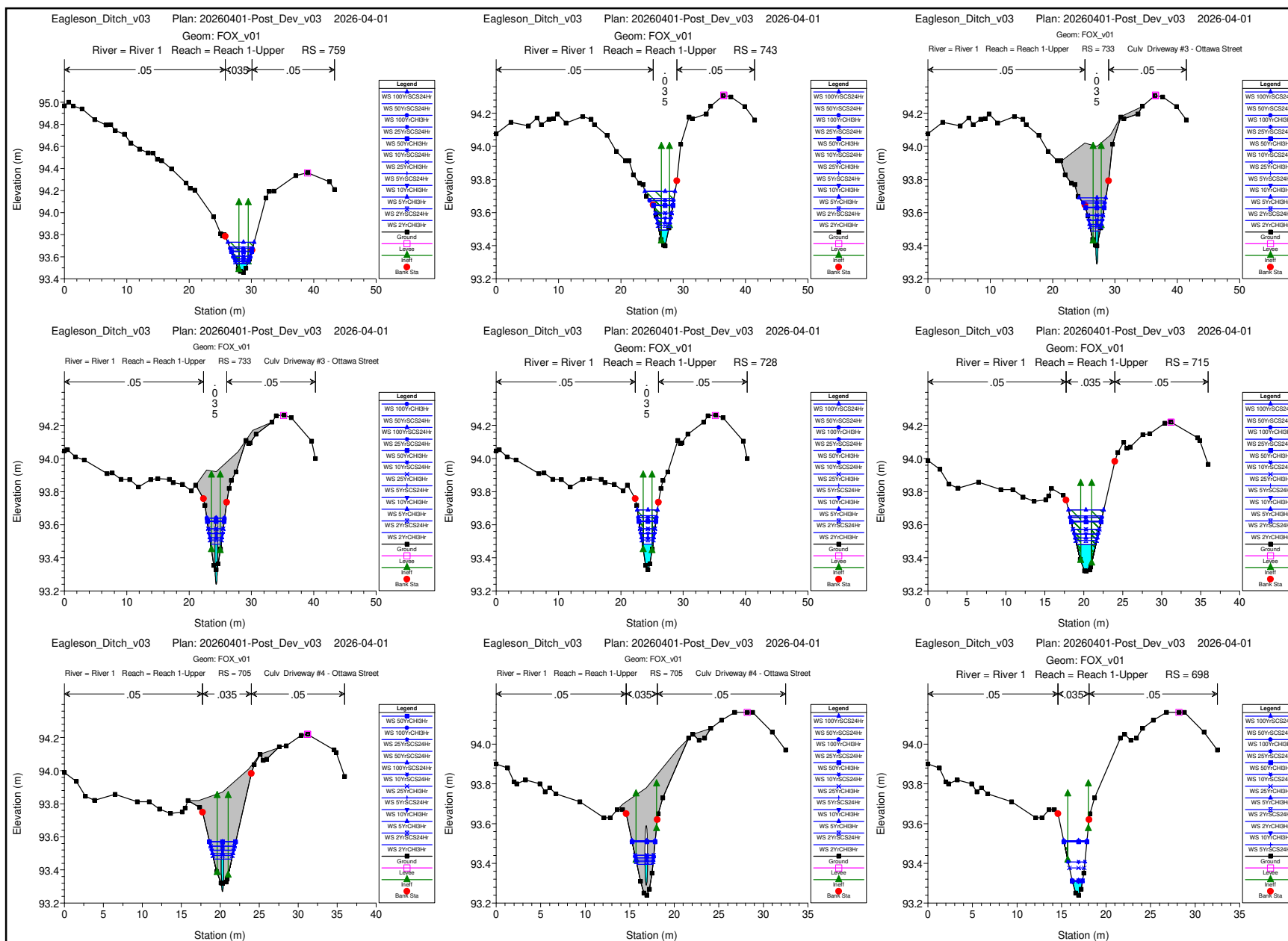
River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
River 1	Reach 1-Lower	0	25YrCHI3Hr	0.36	90.42	90.54	90.48	90.55	0.001000	0.19	1.93	20.29	0.19
River 1	Reach 1-Lower	0	50YrCHI3Hr	0.50	90.42	90.56	90.49	90.57	0.001001	0.21	2.34	20.59	0.20
River 1	Reach 1-Lower	0	100YrCHI3Hr	0.60	90.42	90.58	90.49	90.58	0.001000	0.23	2.65	20.80	0.20
River 1	Reach 1-Lower	0	2YrSCS24Hr	0.72	90.42	90.59	90.50	90.60	0.001000	0.24	2.99	21.46	0.21
River 1	Reach 1-Lower	0	5YrSCS24Hr	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	10YrSCS24Hr	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	25YrSCS24Hr	0.52	90.42	90.57	90.48	90.57	0.001001	0.22	2.41	20.64	0.20
River 1	Reach 1-Lower	0	50YrSCS24Hr	0.68	90.42	90.59	90.49	90.59	0.001001	0.24	2.87	21.34	0.21
River 1	Reach 1-Lower	0	100YrSCS24Hr	0.81	90.42	90.60	90.50	90.61	0.001001	0.25	3.19	21.58	0.21

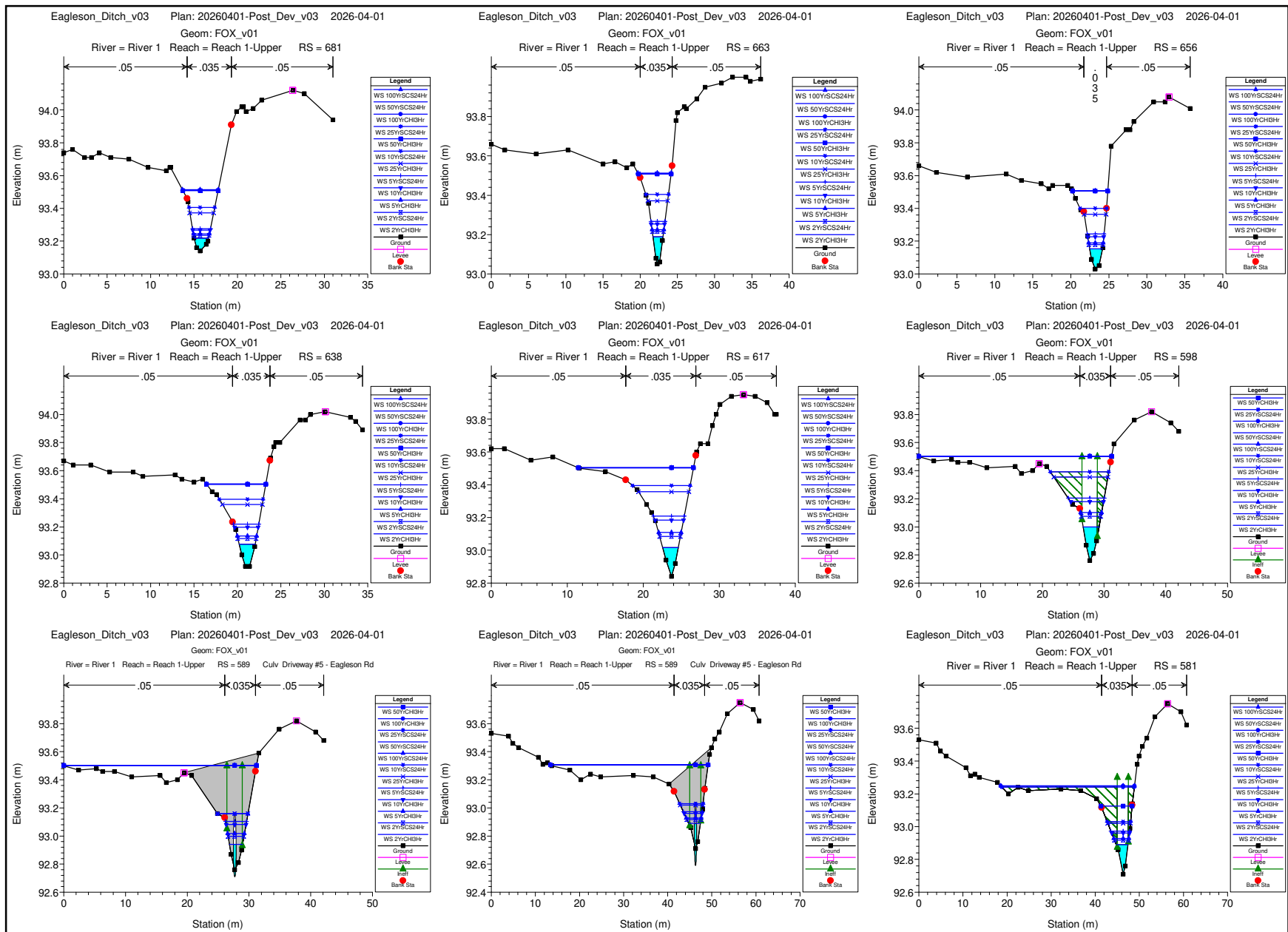
Eagleson_Ditch_v03

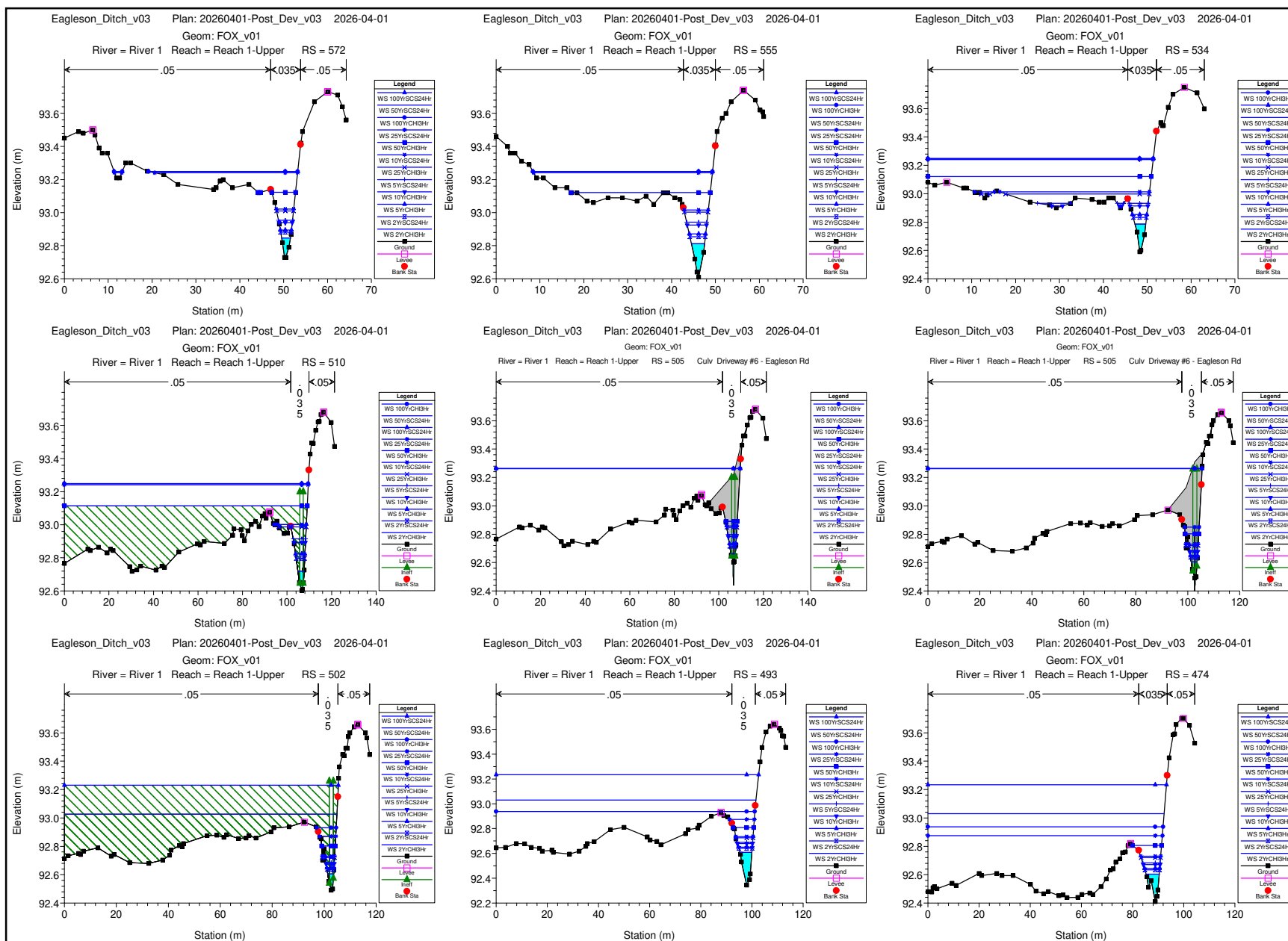
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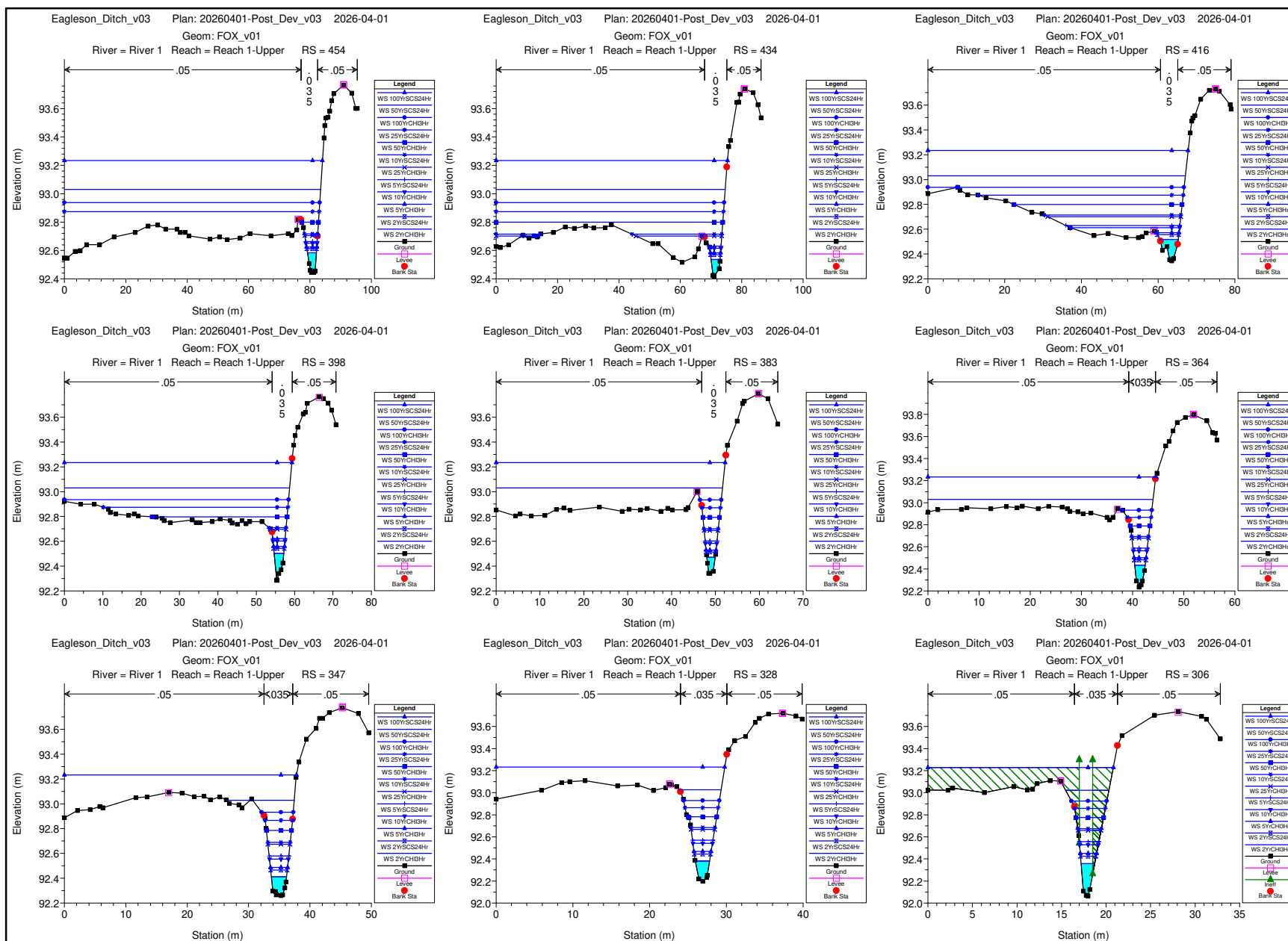
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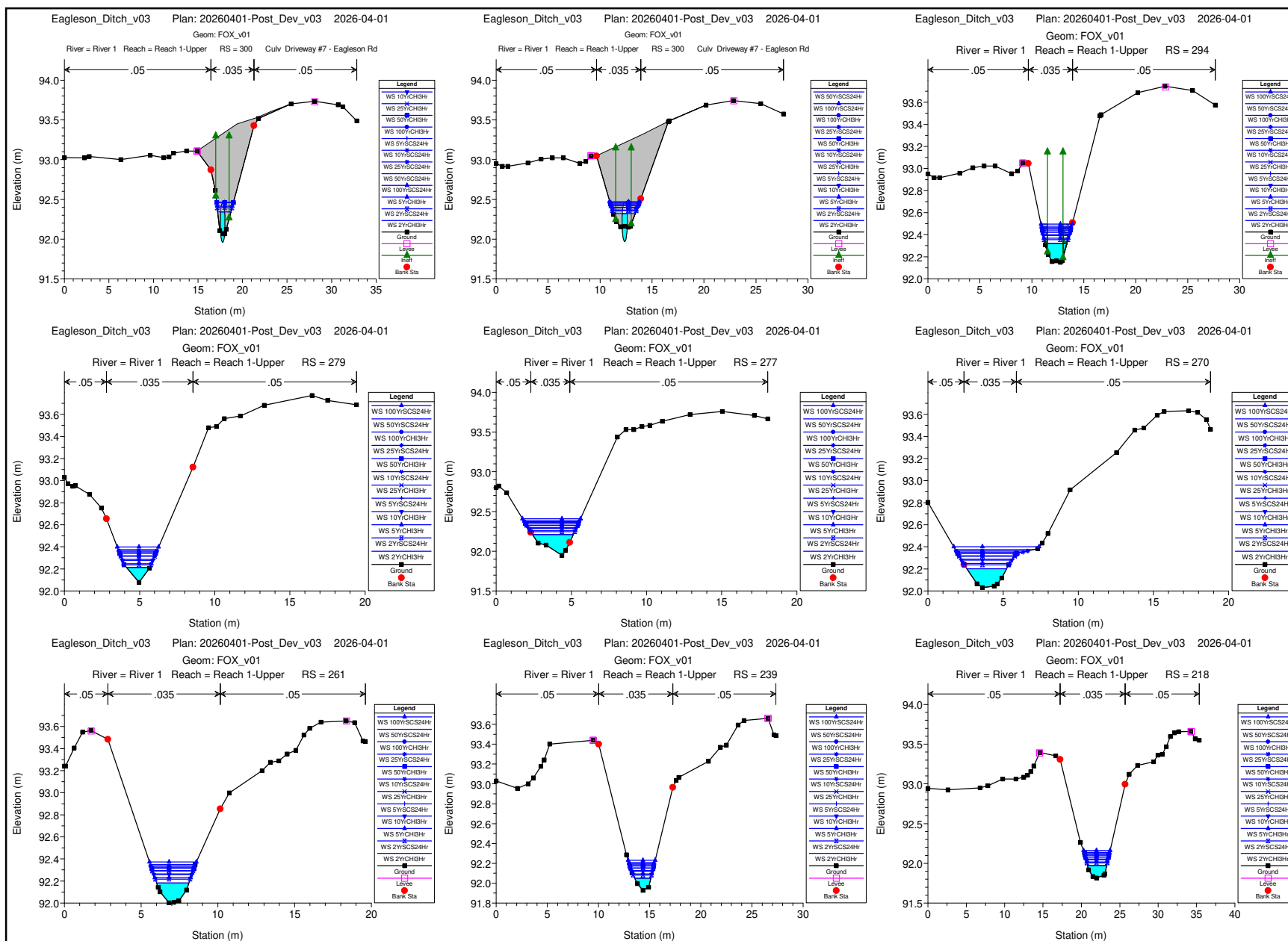


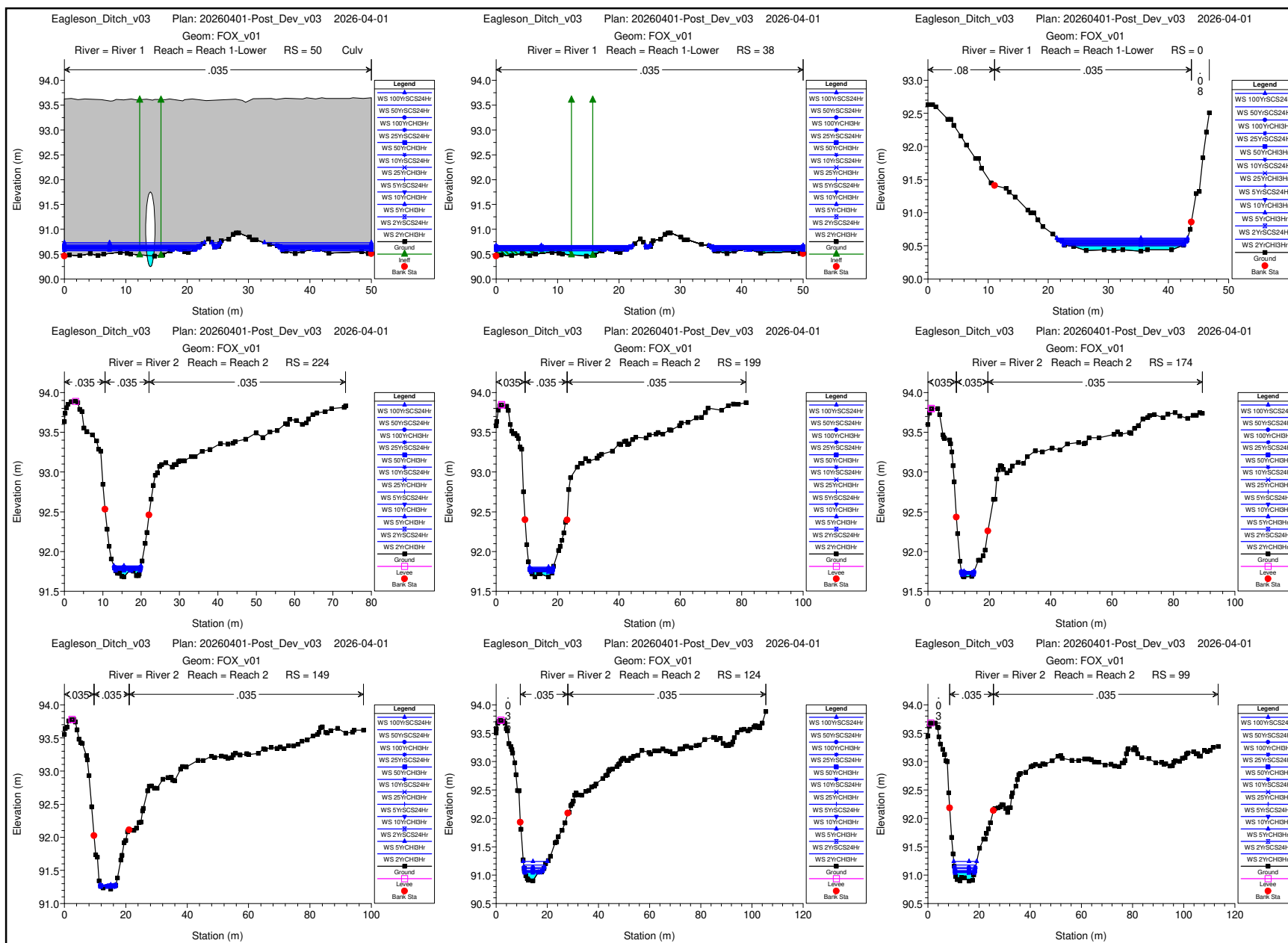


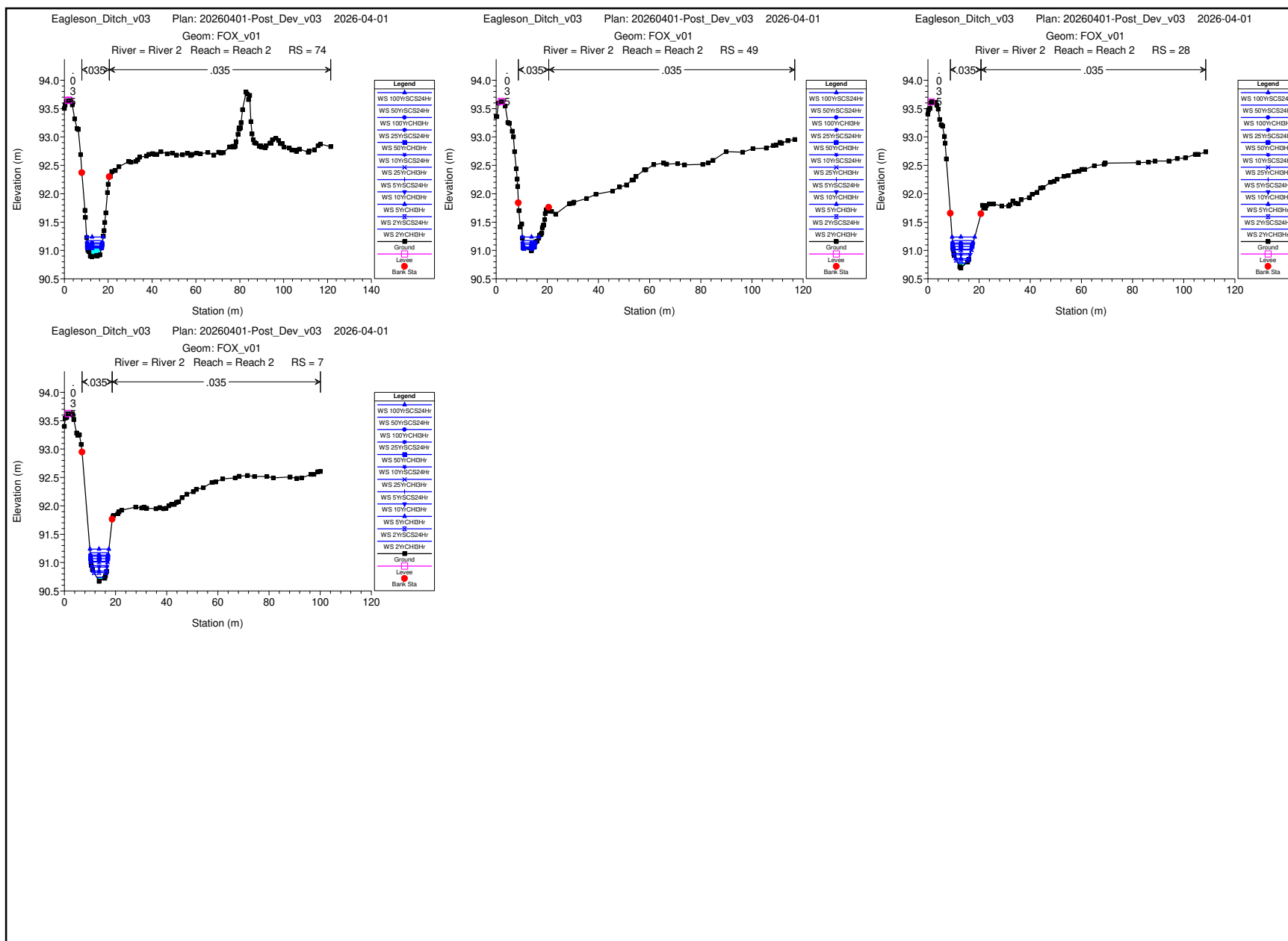












River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
River 2	Reach 2	224	2YrCHI3Hr	0.02	91.68	91.76	91.71	91.76	0.000707	0.09	0.24	5.69	0.14
River 2	Reach 2	224	5YrCHI3Hr	0.03	91.68	91.77	91.72	91.77	0.000751	0.10	0.28	6.26	0.15
River 2	Reach 2	224	10YrCHI3Hr	0.04	91.68	91.78	91.72	91.78	0.000754	0.11	0.34	6.52	0.15
River 2	Reach 2	224	25YrCHI3Hr	0.05	91.68	91.79	91.73	91.79	0.000757	0.12	0.42	6.66	0.16
River 2	Reach 2	224	50YrCHI3Hr	0.06	91.68	91.80	91.74	91.80	0.000766	0.13	0.47	6.76	0.16
River 2	Reach 2	224	100YrCHI3Hr	0.08	91.68	91.80	91.74	91.81	0.000793	0.14	0.53	6.86	0.17
River 2	Reach 2	224	2YrSCS24Hr	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	5YrSCS24Hr	0.04	91.68	91.78	91.73	91.78	0.000755	0.12	0.37	6.57	0.16
River 2	Reach 2	224	10YrSCS24Hr	0.06	91.68	91.79	91.73	91.79	0.000760	0.13	0.44	6.70	0.16
River 2	Reach 2	224	25YrSCS24Hr	0.07	91.68	91.80	91.74	91.80	0.000771	0.14	0.52	6.84	0.16
River 2	Reach 2	224	50YrSCS24Hr	0.09	91.68	91.81	91.74	91.81	0.000797	0.15	0.57	6.94	0.17
River 2	Reach 2	224	100YrSCS24Hr	0.10	91.68	91.82	91.75	91.82	0.000786	0.16	0.64	7.06	0.17
River 2	Reach 2	199	2YrCHI3Hr	0.02	91.68	91.75	91.71	91.75	0.000472	0.08	0.29	6.89	0.12
River 2	Reach 2	199	5YrCHI3Hr	0.03	91.68	91.75	91.71	91.75	0.000492	0.08	0.34	7.01	0.12
River 2	Reach 2	199	10YrCHI3Hr	0.04	91.68	91.76	91.72	91.76	0.000522	0.10	0.40	7.18	0.13
River 2	Reach 2	199	25YrCHI3Hr	0.05	91.68	91.77	91.72	91.77	0.000557	0.11	0.48	7.38	0.14
River 2	Reach 2	199	50YrCHI3Hr	0.06	91.68	91.78	91.72	91.78	0.000577	0.12	0.53	7.47	0.14
River 2	Reach 2	199	100YrCHI3Hr	0.08	91.68	91.79	91.73	91.79	0.000625	0.13	0.59	7.55	0.15
River 2	Reach 2	199	2YrSCS24Hr	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	5YrSCS24Hr	0.04	91.68	91.77	91.72	91.77	0.000539	0.10	0.43	7.26	0.13
River 2	Reach 2	199	10YrSCS24Hr	0.06	91.68	91.78	91.72	91.78	0.000565	0.11	0.50	7.42	0.14
River 2	Reach 2	199	25YrSCS24Hr	0.07	91.68	91.79	91.73	91.79	0.000587	0.13	0.58	7.55	0.14
River 2	Reach 2	199	50YrSCS24Hr	0.09	91.68	91.79	91.73	91.79	0.000632	0.14	0.64	7.63	0.15
River 2	Reach 2	199	100YrSCS24Hr	0.10	91.68	91.80	91.73	91.80	0.000613	0.14	0.71	7.74	0.15
River 2	Reach 2	174	2YrCHI3Hr	0.02	91.68	91.71	91.70	91.72	0.008556	0.24	0.09	3.50	0.46
River 2	Reach 2	174	5YrCHI3Hr	0.03	91.68	91.72	91.70	91.72	0.009515	0.27	0.11	3.59	0.49
River 2	Reach 2	174	10YrCHI3Hr	0.04	91.68	91.72	91.71	91.73	0.009556	0.30	0.13	3.72	0.51
River 2	Reach 2	174	25YrCHI3Hr	0.05	91.68	91.73	91.72	91.74	0.010094	0.34	0.15	3.87	0.54
River 2	Reach 2	174	50YrCHI3Hr	0.06	91.68	91.74	91.72	91.74	0.009997	0.36	0.18	3.98	0.54
River 2	Reach 2	174	100YrCHI3Hr	0.08	91.68	91.74	91.72	91.75	0.010128	0.38	0.20	4.07	0.55
River 2	Reach 2	174	2YrSCS24Hr	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	5YrSCS24Hr	0.04	91.68	91.73	91.71	91.73	0.010224	0.32	0.14	3.76	0.53
River 2	Reach 2	174	10YrSCS24Hr	0.06	91.68	91.73	91.72	91.74	0.010004	0.34	0.16	3.91	0.54
River 2	Reach 2	174	25YrSCS24Hr	0.07	91.68	91.74	91.72	91.75	0.010491	0.38	0.19	4.05	0.56
River 2	Reach 2	174	50YrSCS24Hr	0.09	91.68	91.75	91.73	91.75	0.011046	0.41	0.21	4.11	0.58
River 2	Reach 2	174	100YrSCS24Hr	0.10	91.68	91.75	91.73	91.76	0.011559	0.44	0.23	4.17	0.60
River 2	Reach 2	149	2YrCHI3Hr	0.02	91.22	91.26	91.26	91.26	0.061119	0.41	0.05	3.77	1.11
River 2	Reach 2	149	5YrCHI3Hr	0.03	91.22	91.26	91.26	91.27	0.047461	0.40	0.07	4.38	1.00
River 2	Reach 2	149	10YrCHI3Hr	0.04	91.22	91.26	91.26	91.27	0.047907	0.44	0.09	4.54	1.03
River 2	Reach 2	149	25YrCHI3Hr	0.05	91.22	91.27	91.27	91.28	0.043351	0.48	0.11	4.71	1.01
River 2	Reach 2	149	50YrCHI3Hr	0.06	91.22	91.27	91.27	91.28	0.044171	0.52	0.12	4.81	1.04
River 2	Reach 2	149	100YrCHI3Hr	0.08	91.22	91.27	91.27	91.29	0.042366	0.55	0.14	4.94	1.04
River 2	Reach 2	149	2YrSCS24Hr	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	5YrSCS24Hr	0.04	91.22	91.27	91.27	91.28	0.041591	0.44	0.10	4.62	0.98
River 2	Reach 2	149	10YrSCS24Hr	0.06	91.22	91.27	91.27	91.28	0.043743	0.49	0.11	4.75	1.02
River 2	Reach 2	149	25YrSCS24Hr	0.07	91.22	91.27	91.27	91.29	0.040131	0.53	0.14	4.93	1.01
River 2	Reach 2	149	50YrSCS24Hr	0.09	91.22	91.28	91.28	91.29	0.036673	0.55	0.16	5.05	0.98
River 2	Reach 2	149	100YrSCS24Hr	0.10	91.22	91.28	91.28	91.30	0.033967	0.57	0.18	5.09	0.96
River 2	Reach 2	124	2YrCHI3Hr	0.02	90.90	91.05	90.93	91.05	0.000051	0.04	0.51	5.20	0.04
River 2	Reach 2	124	5YrCHI3Hr	0.03	90.90	91.05	90.94	91.05	0.000070	0.05	0.54	5.32	0.05
River 2	Reach 2	124	10YrCHI3Hr	0.04	90.90	91.06	90.94	91.06	0.000126	0.06	0.59	5.58	0.07
River 2	Reach 2	124	25YrCHI3Hr	0.05	90.90	91.07	90.95	91.07	0.000169	0.08	0.66	5.85	0.08
River 2	Reach 2	124	50YrCHI3Hr	0.06	90.90	91.08	90.95	91.08	0.000184	0.09	0.74	7.09	0.08
River 2	Reach 2	124	100YrCHI3Hr	0.08	90.90	91.14	90.96	91.14	0.000071	0.07	1.15	8.03	0.06
River 2	Reach 2	124	2YrSCS24Hr	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	5YrSCS24Hr	0.04	90.90	91.07	90.94	91.07	0.000142	0.07	0.62	5.68	0.07
River 2	Reach 2	124	10YrSCS24Hr	0.06	90.90	91.08	90.95	91.08	0.000180	0.08	0.68	6.92	0.08
River 2	Reach 2	124	25YrSCS24Hr	0.07	90.90	91.12	90.95	91.12	0.000106	0.07	0.99	7.83	0.07
River 2	Reach 2	124	50YrSCS24Hr	0.09	90.90	91.18	90.96	91.18	0.000043	0.06	1.48	8.41	0.04
River 2	Reach 2	124	100YrSCS24Hr	0.10	90.90	91.24	90.97	91.24	0.000024	0.05	2.03	9.43	0.03
River 2	Reach 2	99	2YrCHI3Hr	0.02	90.90	91.05	90.92	91.05	0.000015	0.03	0.85	7.48	0.02
River 2	Reach 2	99	5YrCHI3Hr	0.03	90.90	91.05	90.93	91.05	0.000021	0.03	0.89	7.53	0.03
River 2	Reach 2	99	10YrCHI3Hr	0.04	90.90	91.06	90.93	91.06	0.000031	0.04	0.95	7.59	0.04
River 2	Reach 2	99	25YrCHI3Hr	0.05	90.90	91.07	90.94	91.07	0.000046	0.05	1.03	7.67	0.04
River 2	Reach 2	99	50YrCHI3Hr	0.06	90.90	91.08	90.94	91.08	0.000053	0.06	1.11	7.75	0.05
River 2	Reach 2	99	100YrCHI3Hr	0.08	90.90	91.14	90.94	91.14	0.000027	0.05	1.55	8.19	0.04
River 2	Reach 2	99	2YrSCS24Hr	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	5YrSCS24Hr	0.04	90.90	91.06	90.93	91.06	0.000037	0.04	0.98	7.62	0.04
River 2	Reach 2	99	10YrSCS24Hr	0.06	90.90	91.07	90.94	91.07	0.000050	0.05	1.05	7.69	0.05
River 2	Reach 2	99	25YrSCS24Hr	0.07	90.90	91.12	90.94	91.12	0.000036	0.05	1.38	8.02	0.04
River 2	Reach 2	99	50YrSCS24Hr	0.09	90.90	91.18	90.95	91.18	0.000020	0.05	1.88	8.49	0.03
River 2	Reach 2	99	100YrSCS24Hr	0.10	90.90	91.24	90.95	91.24	0.000012	0.04	2.43	8.95	0.03
River 2	Reach 2	74	2YrCHI3Hr	0.02	90.89	91.05	90.92	91.05	0.000018	0.03	0.76	6.42	0.03
River 2	Reach 2	74	5YrCHI3Hr	0.03	90.89	91.05	90.92	91.05	0.000025	0.04	0.80	6.46	0.03
River 2	Reach 2	74	10YrCHI3Hr	0.04	90.89	91.06	90.92	91.06	0.000038	0.04	0.85	6.52	0.04
River 2	Reach 2	74	25YrCHI3Hr	0.05	90.89	91.07	90.93	91.07	0.000056	0.06	0.91	6.60	0.05
River 2	Reach 2	74	50YrCHI3Hr	0.06	90.89	91.08	90.93	91.08	0.000067	0.06	0.98	6.67	0.05
River 2	Reach 2	74	100YrCHI3Hr	0.08	90.89	91.14	90.93	91.14	0.000034	0.06	1.36	7.04	0.04
River 2	Reach 2	74	2YrSCS24Hr	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	5YrSCS24Hr	0.04	90.89	91.06	90.93	91.06	0.000044	0.05	0.87	6.55	0.04
River 2	Reach 2	74	10YrSCS24Hr	0.06	90.89	91.07	90.93	91.07	0.000062	0.06	0.93	6.62	0.05
River 2	Reach 2	74	25YrSCS24Hr	0.07	90.89	91.11	90.93	91.11	0.000045	0.06	1.21	6.91	0.05
River 2	Reach 2	74	50YrSCS24Hr	0.09	90.89	91.18	90.94	91.18	0.000025	0.05	1.65	7.28	0.04
River 2	Reach 2	74	100YrSCS24Hr	0.10	90.89	91.24	90.94	91.24	0.000016	0.05	2.12	7.65	0.03

HEC-RAS Plan: 20260401-Post_Dev_v03 (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	91.04	91.04	91.04	0.041786	0.40	0.05	2.97	0.96
River 2	Reach 2	49	5YrCHI3Hr	0.03	91.00	91.04	91.04	91.05	0.047918	0.45	0.06	3.17	1.04
River 2	Reach 2	49	10YrCHI3Hr	0.04	91.00	91.04	91.04	91.05	0.036540	0.45	0.08	3.51	0.94
River 2	Reach 2	49	25YrCHI3Hr	0.05	91.00	91.05	91.05	91.06	0.040961	0.53	0.10	3.53	1.01
River 2	Reach 2	49	50YrCHI3Hr	0.06	91.00	91.06	91.05	91.07	0.014332	0.40	0.16	3.91	0.64
River 2	Reach 2	49	100YrCHI3Hr	0.08	91.00	91.13	91.06	91.13	0.000828	0.17	0.45	4.91	0.18
River 2	Reach 2	49	2YrSCS24Hr	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	5YrSCS24Hr	0.04	91.00	91.05	91.05	91.06	0.034072	0.47	0.09	3.52	0.92
River 2	Reach 2	49	10YrSCS24Hr	0.06	91.00	91.05	91.05	91.07	0.033949	0.51	0.11	3.55	0.94
River 2	Reach 2	49	25YrSCS24Hr	0.07	91.00	91.11	91.06	91.11	0.001793	0.21	0.34	4.60	0.25
River 2	Reach 2	49	50YrSCS24Hr	0.09	91.00	91.17	91.06	91.17	0.000366	0.13	0.67	5.80	0.12
River 2	Reach 2	49	100YrSCS24Hr	0.10	91.00	91.24	91.07	91.24	0.000125	0.09	1.07	6.54	0.07
River 2	Reach 2	28	2YrCHI3Hr	0.02	90.69	90.78	90.74	90.78	0.001371	0.13	0.15	3.29	0.20
River 2	Reach 2	28	5YrCHI3Hr	0.04	90.69	90.85	90.75	90.85	0.000177	0.08	0.48	5.18	0.08
River 2	Reach 2	28	10YrCHI3Hr	0.05	90.69	90.92	90.76	90.92	0.000054	0.06	0.88	6.27	0.05
River 2	Reach 2	28	25YrCHI3Hr	0.07	90.69	91.01	90.76	91.01	0.000023	0.05	1.45	7.10	0.03
River 2	Reach 2	28	50YrCHI3Hr	0.08	90.69	91.07	90.77	91.07	0.000015	0.04	1.90	7.62	0.03
River 2	Reach 2	28	100YrCHI3Hr	0.10	90.69	91.13	90.78	91.13	0.000011	0.04	2.39	8.10	0.02
River 2	Reach 2	28	2YrSCS24Hr	0.03	90.69	90.83	90.75	90.83	0.000322	0.09	0.36	4.71	0.11
River 2	Reach 2	28	5YrSCS24Hr	0.06	90.69	90.95	90.76	90.95	0.000043	0.05	1.04	6.53	0.04
River 2	Reach 2	28	10YrSCS24Hr	0.07	90.69	91.02	90.77	91.02	0.000022	0.05	1.55	7.23	0.03
River 2	Reach 2	28	25YrSCS24Hr	0.10	90.69	91.11	90.78	91.11	0.000013	0.04	2.21	7.92	0.03
River 2	Reach 2	28	50YrSCS24Hr	0.11	90.69	91.17	90.78	91.17	0.000010	0.04	2.73	8.41	0.02
River 2	Reach 2	28	100YrSCS24Hr	0.14	90.69	91.24	90.79	91.24	0.000008	0.04	3.29	8.89	0.02
River 2	Reach 2	7	2YrCHI3Hr	0.02	90.67	90.74	90.71	90.74	0.002152	0.15	0.13	3.25	0.25
River 2	Reach 2	7	5YrCHI3Hr	0.04	90.67	90.85	90.72	90.85	0.000083	0.06	0.60	5.19	0.06
River 2	Reach 2	7	10YrCHI3Hr	0.05	90.67	90.92	90.73	90.92	0.000032	0.05	1.00	5.91	0.04
River 2	Reach 2	7	25YrCHI3Hr	0.07	90.67	91.01	90.73	91.01	0.000017	0.04	1.53	6.42	0.03
River 2	Reach 2	7	50YrCHI3Hr	0.08	90.67	91.07	90.74	91.07	0.000012	0.04	1.93	6.67	0.03
River 2	Reach 2	7	100YrCHI3Hr	0.10	90.67	91.13	90.75	91.13	0.000009	0.04	2.36	6.94	0.02
River 2	Reach 2	7	2YrSCS24Hr	0.03	90.67	90.83	90.72	90.83	0.000130	0.07	0.47	4.76	0.07
River 2	Reach 2	7	5YrSCS24Hr	0.06	90.67	90.95	90.73	90.95	0.000028	0.05	1.15	6.08	0.04
River 2	Reach 2	7	10YrSCS24Hr	0.07	90.67	91.02	90.74	91.02	0.000016	0.05	1.62	6.47	0.03
River 2	Reach 2	7	25YrSCS24Hr	0.10	90.67	91.11	90.74	91.11	0.000011	0.04	2.20	6.84	0.02
River 2	Reach 2	7	50YrSCS24Hr	0.11	90.67	91.17	90.75	91.17	0.000009	0.04	2.65	7.11	0.02
River 2	Reach 2	7	100YrSCS24Hr	0.14	90.67	91.24	90.76	91.24	0.000007	0.04	3.12	7.38	0.02
River 1	Reach 1-Upper	908	2YrCHI3Hr	0.02	94.14	94.22	94.18	94.22	0.001632	0.16	0.12	2.47	0.22
River 1	Reach 1-Upper	908	5YrCHI3Hr	0.03	94.14	94.23	94.19	94.23	0.001834	0.18	0.15	2.66	0.24
River 1	Reach 1-Upper	908	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	0.04	94.14	94.25	94.20	94.25	0.002138	0.22	0.20	2.95	0.27
River 1	Reach 1-Upper	908	100YrCHI3Hr	0.05	94.14	94.26	94.20	94.26	0.002189	0.23	0.21	3.04	0.27
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	0.03	94.14	94.24	94.19	94.24	0.001946	0.19	0.17	2.76	0.25
River 1	Reach 1-Upper	908	10YrSCS24Hr	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	25YrSCS24Hr	0.04	94.14	94.25	94.20	94.25	0.002153	0.22	0.20	2.97	0.27
River 1	Reach 1-Upper	908	50YrSCS24Hr	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	100YrSCS24Hr	0.06	94.14	94.26	94.21	94.26	0.002259	0.24	0.23	3.15	0.28
River 1	Reach 1-Upper	887	2YrCHI3Hr	0.02	94.10	94.16	94.14	94.16	0.007210	0.24	0.08	2.48	0.44
River 1	Reach 1-Upper	887	5YrCHI3Hr	0.03	94.10	94.17	94.15	94.17	0.005770	0.25	0.11	2.82	0.40
River 1	Reach 1-Upper	887	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	0.04	94.10	94.19	94.16	94.19	0.004480	0.26	0.17	3.32	0.37
River 1	Reach 1-Upper	887	100YrCHI3Hr	0.05	94.10	94.19	94.16	94.20	0.004579	0.27	0.18	3.42	0.38
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	0.03	94.10	94.18	94.15	94.18	0.005292	0.25	0.13	2.98	0.39
River 1	Reach 1-Upper	887	10YrSCS24Hr	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	25YrSCS24Hr	0.04	94.10	94.19	94.16	94.19	0.004434	0.26	0.17	3.35	0.37
River 1	Reach 1-Upper	887	50YrSCS24Hr	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	100YrSCS24Hr	0.06	94.10	94.20	94.16	94.20	0.004863	0.29	0.19	3.53	0.39
River 1	Reach 1-Upper	868	2YrCHI3Hr	0.02	93.96	94.03	94.01	94.03	0.006094	0.26	0.07	1.89	0.41
River 1	Reach 1-Upper	868	5YrCHI3Hr	0.03	93.96	94.04	94.02	94.04	0.008117	0.32	0.09	1.99	0.49
River 1	Reach 1-Upper	868	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	0.04	93.96	94.04	94.03	94.05	0.012637	0.42	0.10	2.12	0.62
River 1	Reach 1-Upper	868	100YrCHI3Hr	0.05	93.96	94.05	94.03	94.06	0.013009	0.44	0.11	2.18	0.63
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	0.03	93.96	94.04	94.02	94.04	0.009697	0.35	0.09	2.03	0.53
River 1	Reach 1-Upper	868	10YrSCS24Hr	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	25YrSCS24Hr	0.04	93.96	94.04	94.03	94.05	0.013016	0.43	0.10	2.13	0.63
River 1	Reach 1-Upper	868	50YrSCS24Hr	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	100YrSCS24Hr	0.06	93.96	94.05	94.04	94.06	0.011619	0.44	0.12	2.30	0.60
River 1	Reach 1-Upper	848	2YrCHI3Hr	0.02	93.87	93.92	93.90	93.93	0.004549	0.20	0.09	2.73	0.35
River 1	Reach 1-Upper	848	5YrCHI3Hr	0.03	93.87	93.94	93.91	93.94	0.003629	0.21	0.13	3.01	0.32
River 1	Reach 1-Upper	848	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	0.04	93.87	93.96	93.92	93.96	0.002177	0.21	0.21	3.28	0.27
River 1	Reach 1-Upper	848	100YrCHI3Hr	0.05	93.87	93.97	93.92	93.97	0.002108	0.22	0.22	3.34	0.27
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	0.03	93.87	93.94	93.91	93.95	0.002995	0.21	0.15	3.10	0.30
River 1	Reach 1-Upper	848	10YrSCS24Hr	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	25YrSCS24Hr	0.04	93.87	93.96	93.92	93.96	0.002105	0.21	0.21	3.30	0.26
River 1	Reach 1-Upper	848	50YrSCS24Hr	0.05	93.87	93.97	93.92	93.97	0.002100	0.22	0.23	3.35	0.27

HEC-RAS Plan: 20260401-Post_Dev_v03 (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	93.97	93.92	93.97	0.002380	0.23	0.23	3.38	0.28
River 1	Reach 1-Upper	828	2YrCHI3Hr	0.02	93.78	93.86	93.82	93.86	0.002644	0.17	0.11	2.77	0.27
River 1	Reach 1-Upper	828	5YrCHI3Hr	0.03	93.78	93.86	93.83	93.86	0.004666	0.23	0.12	2.86	0.37
River 1	Reach 1-Upper	828	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	0.04	93.78	93.84	93.84	93.86	0.029914	0.53	0.08	2.30	0.90
River 1	Reach 1-Upper	828	100YrCHI3Hr	0.05	93.78	93.84	93.84	93.86	0.034267	0.57	0.08	2.34	0.97
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	0.03	93.78	93.86	93.83	93.86	0.007085	0.28	0.11	2.81	0.45
River 1	Reach 1-Upper	828	10YrSCS24Hr	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	25YrSCS24Hr	0.04	93.78	93.84	93.84	93.86	0.035591	0.57	0.08	2.22	0.98
River 1	Reach 1-Upper	828	50YrSCS24Hr	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	100YrSCS24Hr	0.06	93.78	93.86	93.85	93.87	0.020193	0.48	0.11	2.83	0.76
River 1	Reach 1-Upper	807	2YrCHI3Hr	0.02	93.65	93.70	93.70	93.71	0.044163	0.52	0.04	1.46	1.04
River 1	Reach 1-Upper	807	5YrCHI3Hr	0.03	93.65	93.73	93.71	93.73	0.007733	0.31	0.09	2.04	0.47
River 1	Reach 1-Upper	807	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	0.04	93.65	93.79	93.72	93.79	0.001072	0.17	0.25	3.27	0.20
River 1	Reach 1-Upper	807	100YrCHI3Hr	0.05	93.65	93.81	93.72	93.81	0.000618	0.15	0.32	3.62	0.15
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	0.03	93.65	93.75	93.71	93.75	0.003849	0.25	0.13	2.40	0.35
River 1	Reach 1-Upper	807	10YrSCS24Hr	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	25YrSCS24Hr	0.04	93.65	93.79	93.72	93.79	0.000946	0.17	0.26	3.34	0.19
River 1	Reach 1-Upper	807	50YrSCS24Hr	0.05	93.65	93.81	93.72	93.82	0.000538	0.15	0.34	3.71	0.14
River 1	Reach 1-Upper	807	100YrSCS24Hr	0.06	93.65	93.84	93.73	93.85	0.000286	0.13	0.46	4.22	0.11
River 1	Reach 1-Upper	789	2YrCHI3Hr	0.02	93.49	93.69	93.53	93.69	0.000037	0.05	0.38	3.33	0.04
River 1	Reach 1-Upper	789	5YrCHI3Hr	0.03	93.49	93.73	93.54	93.73	0.000036	0.06	0.47	3.77	0.04
River 1	Reach 1-Upper	789	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	0.04	93.49	93.79	93.55	93.79	0.000038	0.07	0.61	4.75	0.04
River 1	Reach 1-Upper	789	100YrCHI3Hr	0.05	93.49	93.81	93.56	93.81	0.000036	0.07	0.66	5.08	0.04
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	0.03	93.49	93.74	93.55	93.74	0.000038	0.06	0.51	4.05	0.04
River 1	Reach 1-Upper	789	10YrSCS24Hr	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	25YrSCS24Hr	0.04	93.49	93.79	93.56	93.79	0.000037	0.07	0.62	4.81	0.04
River 1	Reach 1-Upper	789	50YrSCS24Hr	0.05	93.49	93.81	93.56	93.81	0.000035	0.07	0.67	5.17	0.04
River 1	Reach 1-Upper	789	100YrSCS24Hr	0.06	93.49	93.84	93.56	93.84	0.000032	0.07	0.75	5.59	0.04
River 1	Reach 1-Upper	764		Culvert									
River 1	Reach 1-Upper	759	2YrCHI3Hr	0.02	93.46	93.54	93.50	93.54	0.002883	0.23	0.08	1.83	0.30
River 1	Reach 1-Upper	759	5YrCHI3Hr	0.03	93.46	93.56	93.51	93.56	0.001988	0.23	0.12	2.15	0.26
River 1	Reach 1-Upper	759	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	0.04	93.46	93.65	93.52	93.65	0.000433	0.18	0.24	3.23	0.14
River 1	Reach 1-Upper	759	100YrCHI3Hr	0.05	93.46	93.68	93.53	93.68	0.000309	0.17	0.29	3.59	0.12
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	0.03	93.46	93.58	93.51	93.58	0.001375	0.22	0.14	2.40	0.23
River 1	Reach 1-Upper	759	10YrSCS24Hr	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	25YrSCS24Hr	0.04	93.46	93.65	93.52	93.65	0.000408	0.17	0.25	3.29	0.14
River 1	Reach 1-Upper	759	50YrSCS24Hr	0.05	93.46	93.69	93.53	93.69	0.000262	0.16	0.31	3.73	0.11
River 1	Reach 1-Upper	759	100YrSCS24Hr	0.06	93.46	93.73	93.53	93.73	0.000176	0.15	0.37	4.23	0.10
River 1	Reach 1-Upper	743	2YrCHI3Hr	0.02	93.40	93.49	93.45	93.50	0.002754	0.25	0.08	1.55	0.30
River 1	Reach 1-Upper	743	5YrCHI3Hr	0.03	93.40	93.54	93.46	93.54	0.001046	0.20	0.13	2.00	0.20
River 1	Reach 1-Upper	743	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	0.04	93.40	93.64	93.48	93.64	0.000265	0.16	0.27	3.11	0.11
River 1	Reach 1-Upper	743	100YrCHI3Hr	0.05	93.40	93.67	93.48	93.67	0.000207	0.16	0.31	3.83	0.10
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	0.03	93.40	93.57	93.47	93.57	0.000696	0.19	0.17	2.25	0.17
River 1	Reach 1-Upper	743	10YrSCS24Hr	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	25YrSCS24Hr	0.04	93.40	93.65	93.48	93.65	0.000254	0.16	0.27	3.18	0.11
River 1	Reach 1-Upper	743	50YrSCS24Hr	0.05	93.40	93.68	93.48	93.69	0.000181	0.15	0.32	4.15	0.10
River 1	Reach 1-Upper	743	100YrSCS24Hr	0.06	93.40	93.73	93.49	93.73	0.000134	0.14	0.38	4.85	0.09
River 1	Reach 1-Upper	733		Culvert									
River 1	Reach 1-Upper	728	2YrCHI3Hr	0.02	93.33	93.48	93.39	93.48	0.000387	0.13	0.15	1.68	0.12
River 1	Reach 1-Upper	728	5YrCHI3Hr	0.03	93.33	93.52	93.40	93.52	0.000273	0.13	0.21	1.98	0.11
River 1	Reach 1-Upper	728	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	0.04	93.33	93.62	93.41	93.62	0.000131	0.13	0.34	2.70	0.08
River 1	Reach 1-Upper	728	100YrCHI3Hr	0.05	93.33	93.64	93.42	93.64	0.000117	0.13	0.38	2.90	0.08
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	0.03	93.33	93.55	93.40	93.55	0.000233	0.13	0.24	2.16	0.10
River 1	Reach 1-Upper	728	10YrSCS24Hr	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	25YrSCS24Hr	0.04	93.33	93.62	93.41	93.62	0.000128	0.13	0.35	2.74	0.08
River 1	Reach 1-Upper	728	50YrSCS24Hr	0.05	93.33	93.66	93.42	93.66	0.000106	0.12	0.39	2.98	0.08
River 1	Reach 1-Upper	728	100YrSCS24Hr	0.06	93.33	93.69	93.42	93.69	0.000091	0.12	0.44	3.24	0.07
River 1	Reach 1-Upper	715	2YrCHI3Hr	0.02	93.32	93.48	93.36	93.48	0.000151	0.10	0.20	2.44	0.08
River 1	Reach 1-Upper	715	5YrCHI3Hr	0.03	93.32	93.52	93.37	93.52	0.000132	0.11	0.26	2.85	0.08
River 1	Reach 1-Upper	715	10YrCHI3Hr	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	25YrCHI3Hr	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	50YrCHI3Hr	0.04	93.32	93.62	93.38	93.62	0.000091	0.11	0.39	3.82	0.07
River 1	Reach 1-Upper	715	100YrCHI3Hr	0.05	93.32	93.64	93.39	93.64	0.000075	0.11	0.43	4.07	0.06

HEC-RAS Plan: 20260401-Post_Dev_v03 (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	0.03	93.32	93.54	93.37	93.54	0.000123	0.11	0.29	3.09	0.08
River 1	Reach 1-Upper	715	10YrSCS24Hr	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	25YrSCS24Hr	0.04	93.32	93.62	93.39	93.62	0.000080	0.11	0.40	3.86	0.07
River 1	Reach 1-Upper	715	50YrSCS24Hr	0.05	93.32	93.65	93.39	93.65	0.000070	0.11	0.44	4.19	0.06
River 1	Reach 1-Upper	715	100YrSCS24Hr	0.06	93.32	93.69	93.39	93.69	0.000062	0.11	0.49	4.53	0.06
River 1	Reach 1-Upper	705	Culvert										
River 1	Reach 1-Upper	698	2YrCHI3Hr	0.02	93.24	93.31	93.29	93.32	0.010647	0.37	0.05	1.15	0.56
River 1	Reach 1-Upper	698	5YrCHI3Hr	0.03	93.24	93.31	93.30	93.33	0.018452	0.50	0.05	1.17	0.74
River 1	Reach 1-Upper	698	10YrCHI3Hr	0.03	93.24	93.31	93.31	93.33	0.031221	0.63	0.05	1.15	0.95
River 1	Reach 1-Upper	698	25YrCHI3Hr	0.04	93.24	93.38	93.31	93.38	0.002185	0.26	0.15	1.67	0.28
River 1	Reach 1-Upper	698	50YrCHI3Hr	0.04	93.24	93.51	93.32	93.51	0.000131	0.11	0.41	2.59	0.08
River 1	Reach 1-Upper	698	100YrCHI3Hr	0.05	93.24	93.51	93.32	93.51	0.000158	0.12	0.41	2.80	0.09
River 1	Reach 1-Upper	698	2YrSCS24Hr	0.02	93.24	93.31	93.30	93.32	0.016098	0.46	0.05	1.16	0.69
River 1	Reach 1-Upper	698	5YrSCS24Hr	0.03	93.24	93.31	93.31	93.33	0.033358	0.64	0.05	1.14	0.98
River 1	Reach 1-Upper	698	10YrSCS24Hr	0.04	93.24	93.41	93.31	93.41	0.000895	0.19	0.20	1.89	0.19
River 1	Reach 1-Upper	698	25YrSCS24Hr	0.04	93.24	93.51	93.32	93.51	0.000135	0.11	0.41	2.59	0.08
River 1	Reach 1-Upper	698	50YrSCS24Hr	0.05	93.24	93.51	93.32	93.51	0.000162	0.12	0.41	2.61	0.09
River 1	Reach 1-Upper	698	100YrSCS24Hr	0.06	93.24	93.51	93.33	93.52	0.000196	0.13	0.42	2.63	0.10
River 1	Reach 1-Upper	681	2YrCHI3Hr	0.02	93.14	93.22	93.19	93.22	0.003726	0.23	0.08	1.65	0.34
River 1	Reach 1-Upper	681	5YrCHI3Hr	0.03	93.14	93.24	93.20	93.25	0.001985	0.21	0.13	1.84	0.26
River 1	Reach 1-Upper	681	10YrCHI3Hr	0.03	93.14	93.27	93.20	93.27	0.001148	0.19	0.17	2.00	0.20
River 1	Reach 1-Upper	681	25YrCHI3Hr	0.04	93.14	93.37	93.20	93.37	0.000121	0.09	0.42	2.75	0.07
River 1	Reach 1-Upper	681	50YrCHI3Hr	0.04	93.14	93.51	93.21	93.51	0.000021	0.05	0.87	4.05	0.03
River 1	Reach 1-Upper	681	100YrCHI3Hr	0.05	93.14	93.51	93.21	93.51	0.000026	0.06	0.88	4.08	0.04
River 1	Reach 1-Upper	681	2YrSCS24Hr	0.02	93.14	93.24	93.19	93.24	0.002292	0.21	0.11	1.78	0.27
River 1	Reach 1-Upper	681	5YrSCS24Hr	0.03	93.14	93.28	93.20	93.28	0.000837	0.17	0.19	2.07	0.18
River 1	Reach 1-Upper	681	10YrSCS24Hr	0.04	93.14	93.41	93.20	93.41	0.000070	0.07	0.52	2.97	0.06
River 1	Reach 1-Upper	681	25YrSCS24Hr	0.04	93.14	93.51	93.21	93.51	0.000022	0.05	0.87	4.07	0.03
River 1	Reach 1-Upper	681	50YrSCS24Hr	0.05	93.14	93.51	93.21	93.51	0.000027	0.06	0.88	4.09	0.04
River 1	Reach 1-Upper	681	100YrSCS24Hr	0.06	93.14	93.51	93.22	93.51	0.000032	0.06	0.89	4.13	0.04
River 1	Reach 1-Upper	663	2YrCHI3Hr	0.02	93.05	93.19		93.19	0.000887	0.16	0.12	1.35	0.18
River 1	Reach 1-Upper	663	5YrCHI3Hr	0.03	93.05	93.22		93.23	0.000652	0.16	0.17	1.60	0.16
River 1	Reach 1-Upper	663	10YrCHI3Hr	0.03	93.05	93.25		93.26	0.000453	0.15	0.22	1.81	0.13
River 1	Reach 1-Upper	663	25YrCHI3Hr	0.04	93.05	93.37		93.37	0.000079	0.08	0.48	2.88	0.06
River 1	Reach 1-Upper	663	50YrCHI3Hr	0.04	93.05	93.51		93.51	0.000018	0.05	0.96	4.41	0.03
River 1	Reach 1-Upper	663	100YrCHI3Hr	0.05	93.05	93.51		93.51	0.000022	0.05	0.96	4.44	0.03
River 1	Reach 1-Upper	663	2YrSCS24Hr	0.02	93.05	93.22		93.22	0.000662	0.16	0.15	1.54	0.16
River 1	Reach 1-Upper	663	5YrSCS24Hr	0.03	93.05	93.27		93.27	0.000342	0.13	0.24	1.90	0.12
River 1	Reach 1-Upper	663	10YrSCS24Hr	0.04	93.05	93.40		93.40	0.000052	0.07	0.57	3.04	0.05
River 1	Reach 1-Upper	663	25YrSCS24Hr	0.04	93.05	93.51		93.51	0.000019	0.05	0.96	4.42	0.03
River 1	Reach 1-Upper	663	50YrSCS24Hr	0.05	93.05	93.51		93.51	0.000023	0.05	0.97	4.46	0.03
River 1	Reach 1-Upper	663	100YrSCS24Hr	0.06	93.05	93.51		93.51	0.000028	0.06	0.98	4.50	0.04
River 1	Reach 1-Upper	656	2YrCHI3Hr	0.06	93.03	93.15	93.12	93.16	0.007897	0.46	0.13	1.69	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	0.13	93.03	93.23	93.16	93.24	0.004432	0.48	0.28	2.13	0.43
River 1	Reach 1-Upper	656	25YrCHI3Hr	0.17	93.03	93.36	93.18	93.37	0.000771	0.28	0.62	2.88	0.19
River 1	Reach 1-Upper	656	50YrCHI3Hr	0.21	93.03	93.51	93.19	93.51	0.000193	0.19	1.16	4.64	0.10
River 1	Reach 1-Upper	656	100YrCHI3Hr	0.24	93.03	93.51	93.20	93.51	0.000260	0.22	1.17	4.65	0.12
River 1	Reach 1-Upper	656	2YrSCS24Hr	0.09	93.03	93.18	93.14	93.19	0.007161	0.50	0.18	1.86	0.52
River 1	Reach 1-Upper	656	5YrSCS24Hr	0.14	93.03	93.24	93.17	93.25	0.003570	0.45	0.31	2.22	0.39
River 1	Reach 1-Upper	656	10YrSCS24Hr	0.18	93.03	93.40	93.18	93.40	0.000519	0.25	0.73	3.49	0.16
River 1	Reach 1-Upper	656	25YrSCS24Hr	0.22	93.03	93.51	93.20	93.51	0.000230	0.21	1.16	4.65	0.11
River 1	Reach 1-Upper	656	50YrSCS24Hr	0.26	93.03	93.51	93.21	93.51	0.000307	0.24	1.17	4.66	0.13
River 1	Reach 1-Upper	656	100YrSCS24Hr	0.30	93.03	93.51	93.22	93.51	0.000404	0.28	1.17	4.67	0.15
River 1	Reach 1-Upper	638	2YrCHI3Hr	0.06	92.92	93.08	93.01	93.08	0.002811	0.33	0.19	1.85	0.33
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	0.13	92.92	93.20	93.05	93.20	0.001110	0.29	0.46	2.70	0.22
River 1	Reach 1-Upper	638	25YrCHI3Hr	0.17	92.92	93.36	93.07	93.36	0.000206	0.17	1.05	4.59	0.10
River 1	Reach 1-Upper	638	50YrCHI3Hr	0.21	92.92	93.50	93.08	93.50	0.000072	0.13	1.86	6.83	0.06
River 1	Reach 1-Upper	638	100YrCHI3Hr	0.24	92.92	93.50	93.10	93.51	0.000098	0.15	1.86	6.83	0.08
River 1	Reach 1-Upper	638	2YrSCS24Hr	0.09	92.92	93.12	93.03	93.12	0.002263	0.34	0.27	2.12	0.30
River 1	Reach 1-Upper	638	5YrSCS24Hr	0.14	92.92	93.22	93.06	93.22	0.000920	0.27	0.52	2.92	0.20
River 1	Reach 1-Upper	638	10YrSCS24Hr	0.18	92.92	93.40	93.07	93.40	0.000148	0.16	1.22	5.04	0.09
River 1	Reach 1-Upper	638	25YrSCS24Hr	0.22	92.92	93.50	93.09	93.51	0.000086	0.14	1.86	6.83	0.07
River 1	Reach 1-Upper	638	50YrSCS24Hr	0.26	92.92	93.50	93.10	93.51	0.000115	0.16	1.86	6.84	0.08
River 1	Reach 1-Upper	638	100YrSCS24Hr	0.30	92.92	93.50	93.12	93.51	0.000153	0.19	1.87	6.84	0.09
River 1	Reach 1-Upper	617	2YrCHI3Hr	0.06	92.84	93.02	92.95	93.02	0.002976	0.32	0.19	2.05	0.33
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	0.13	92.84	93.18	92.99	93.19	0.000468	0.20	0.68	3.73	0.15
River 1	Reach 1-Upper	617	25YrCHI3Hr	0.17	92.84	93.36	93.01	93.36	0.000105	0.11	1.56	6.63	0.07
River 1	Reach 1-Upper	617	50YrCHI3Hr	0.21	92.84	93.50	93.02	93.50	0.000032	0.07	2.93	15.16	0.04
River 1	Reach 1-Upper	617	100YrCHI3Hr	0.24	92.84	93.50	93.04	93.50	0.000044	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	0.001249	0.26	0.35	2.72	0.23
River 1	Reach 1-Upper	617	5YrSCS24Hr	0.14	92.84	93.21	93.00	93.21	0.000388	0.18	0.77	4.08	0.13
River 1	Reach 1-Upper	617	10YrSCS24Hr	0.18	92.84	93.39	93.01	93.39	0.000079	0.10	1.82	7.56	0.06
River 1	Reach 1-Upper	617	25YrSCS24Hr	0.22	92.84	93.50	93.03	93.50	0.000039	0.08	2.93	15.17	0.05
River 1	Reach 1-Upper	617	50YrSCS24Hr	0.26	92.84	93.50	93.04	93.50	0.000052	0.09	2.93	15.17	0.05
River 1	Reach 1-Upper	617	100YrSCS24Hr	0.30	92.84	93.50	93.05	93.50	0.000069	0.11	2.93	15.18	0.06
River 1	Reach 1-Upper	598	2YrCHI3Hr	0.06	92.76	93.00	92.86	93.00	0.000514	0.18	0.36	2.60	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	0.14	92.76	93.18	92.91	93.18	0.000181	0.18	0.80	5.32	0.10

HEC-RAS Plan: 20260401-Post_Dev_v03 (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	93.36	92.92	93.36	0.000070	0.15	1.25	8.76	0.07
River 1	Reach 1-Upper	598	50YrCHI3Hr	0.22	92.76	93.50	92.94	93.50	0.000018	0.07	4.94	31.21	0.03
River 1	Reach 1-Upper	598	100YrCHI3Hr	0.26	92.76	93.50	92.95	93.50	0.000024	0.09	4.94	31.21	0.04
River 1	Reach 1-Upper	598	2YrSCS24Hr	0.10	92.76	93.07	92.88	93.08	0.000317	0.18	0.54	3.19	0.12
River 1	Reach 1-Upper	598	5YrSCS24Hr	0.15	92.76	93.20	92.91	93.21	0.000160	0.17	0.87	5.82	0.10
River 1	Reach 1-Upper	598	10YrSCS24Hr	0.19	92.76	93.39	92.93	93.39	0.000059	0.14	1.34	9.49	0.06
River 1	Reach 1-Upper	598	25YrSCS24Hr	0.24	92.76	93.50	92.94	93.50	0.000021	0.08	4.94	31.21	0.04
River 1	Reach 1-Upper	598	50YrSCS24Hr	0.28	92.76	93.50	92.96	93.50	0.000029	0.09	4.93	31.21	0.04
River 1	Reach 1-Upper	598	100YrSCS24Hr	0.33	92.76	93.50	92.97	93.50	0.000039	0.11	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	0.002034	0.27	0.24	2.66	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	0.14	92.71	92.96	92.86	92.97	0.001613	0.34	0.41	4.03	0.27
River 1	Reach 1-Upper	581	25YrCHI3Hr	0.19	92.71	93.02	92.88	93.03	0.000990	0.33	0.56	5.14	0.22
River 1	Reach 1-Upper	581	50YrCHI3Hr	0.22	92.71	93.13	92.89	93.13	0.000386	0.27	0.83	7.07	0.15
River 1	Reach 1-Upper	581	100YrCHI3Hr	0.26	92.71	93.25	92.90	93.25	0.000185	0.23	1.13	30.32	0.11
River 1	Reach 1-Upper	581	2YrSCS24Hr	0.10	92.71	92.92	92.84	92.92	0.002055	0.32	0.31	3.20	0.29
River 1	Reach 1-Upper	581	5YrSCS24Hr	0.15	92.71	92.97	92.86	92.98	0.001468	0.34	0.44	4.26	0.26
River 1	Reach 1-Upper	581	10YrSCS24Hr	0.19	92.71	93.03	92.88	93.04	0.000901	0.32	0.59	5.33	0.21
River 1	Reach 1-Upper	581	25YrSCS24Hr	0.24	92.71	93.24	92.89	93.24	0.000172	0.22	1.11	30.02	0.10
River 1	Reach 1-Upper	581	50YrSCS24Hr	0.28	92.71	93.25	92.90	93.25	0.000220	0.25	1.13	30.33	0.12
River 1	Reach 1-Upper	581	100YrSCS24Hr	0.33	92.71	93.25	92.91	93.25	0.000294	0.29	1.13	30.33	0.14
River 1	Reach 1-Upper	572	2YrCHI3Hr	0.06	92.73	92.85	92.82	92.86	0.008674	0.45	0.14	2.02	0.54
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	0.14	92.73	92.94	92.86	92.95	0.002796	0.37	0.38	3.05	0.34
River 1	Reach 1-Upper	572	25YrCHI3Hr	0.19	92.73	93.01	92.87	93.01	0.001251	0.30	0.62	3.87	0.24
River 1	Reach 1-Upper	572	50YrCHI3Hr	0.22	92.73	93.12	92.88	93.12	0.000367	0.19	1.14	5.93	0.13
River 1	Reach 1-Upper	572	100YrCHI3Hr	0.26	92.73	93.25	92.90	93.25	0.000064	0.10	4.09	35.88	0.06
River 1	Reach 1-Upper	572	2YrSCS24Hr	0.10	92.73	92.88	92.84	92.89	0.005817	0.44	0.22	2.44	0.46
River 1	Reach 1-Upper	572	5YrSCS24Hr	0.15	92.73	92.95	92.86	92.96	0.002326	0.36	0.43	3.23	0.31
River 1	Reach 1-Upper	572	10YrSCS24Hr	0.19	92.73	93.02	92.88	93.03	0.001095	0.28	0.67	4.01	0.22
River 1	Reach 1-Upper	572	25YrSCS24Hr	0.24	92.73	93.24	92.89	93.24	0.000064	0.10	3.83	34.17	0.06
River 1	Reach 1-Upper	572	50YrSCS24Hr	0.28	92.73	93.25	92.90	93.25	0.000076	0.11	4.10	35.90	0.06
River 1	Reach 1-Upper	572	100YrSCS24Hr	0.33	92.73	93.25	92.92	93.25	0.000102	0.13	4.10	35.94	0.07
River 1	Reach 1-Upper	555	2YrCHI3Hr	0.06	92.61	92.81	92.71	92.81	0.000982	0.20	0.32	2.99	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	0.14	92.61	92.92	92.75	92.93	0.000498	0.19	0.74	4.40	0.15
River 1	Reach 1-Upper	555	25YrCHI3Hr	0.19	92.61	93.00	92.77	93.00	0.000277	0.17	1.12	5.37	0.12
River 1	Reach 1-Upper	555	50YrCHI3Hr	0.22	92.61	93.12	92.78	93.12	0.000080	0.11	2.69	31.73	0.07
River 1	Reach 1-Upper	555	100YrCHI3Hr	0.26	92.61	93.25	92.79	93.25	0.000015	0.06	7.39	40.94	0.03
River 1	Reach 1-Upper	555	2YrSCS24Hr	0.10	92.61	92.85	92.73	92.86	0.000843	0.21	0.46	3.51	0.19
River 1	Reach 1-Upper	555	5YrSCS24Hr	0.15	92.61	92.94	92.76	92.94	0.000435	0.19	0.82	4.62	0.14
River 1	Reach 1-Upper	555	10YrSCS24Hr	0.19	92.61	93.02	92.77	93.02	0.000251	0.16	1.19	5.53	0.11
River 1	Reach 1-Upper	555	25YrSCS24Hr	0.24	92.61	93.24	92.79	93.24	0.000015	0.06	7.08	40.75	0.03
River 1	Reach 1-Upper	555	50YrSCS24Hr	0.28	92.61	93.25	92.80	93.25	0.000018	0.07	7.39	40.94	0.03
River 1	Reach 1-Upper	555	100YrSCS24Hr	0.33	92.61	93.25	92.81	93.25	0.000025	0.08	7.39	40.94	0.04
River 1	Reach 1-Upper	534	2YrCHI3Hr	0.06	92.59	92.79	92.69	92.79	0.001542	0.25	0.26	2.47	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	0.14	92.59	92.91	92.74	92.92	0.000601	0.21	0.70	7.10	0.16
River 1	Reach 1-Upper	534	25YrCHI3Hr	0.19	92.59	93.00	92.76	93.00	0.000148	0.12	2.58	34.75	0.09
River 1	Reach 1-Upper	534	50YrCHI3Hr	0.22	92.59	93.12	92.77	93.12	0.000015	0.05	8.09	50.92	0.03
River 1	Reach 1-Upper	534	100YrCHI3Hr	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	2YrSCS24Hr	0.10	92.59	92.83	92.71	92.84	0.001197	0.25	0.39	3.05	0.22
River 1	Reach 1-Upper	534	5YrSCS24Hr	0.15	92.59	92.93	92.74	92.93	0.000491	0.20	0.89	13.42	0.15
River 1	Reach 1-Upper	534	10YrSCS24Hr	0.19	92.59	93.01	92.76	93.01	0.000110	0.11	3.08	38.60	0.07
River 1	Reach 1-Upper	534	25YrSCS24Hr	0.24	92.59	93.24	92.78	93.24	0.000003	0.03	14.22	51.36	0.01
River 1	Reach 1-Upper	534	50YrSCS24Hr	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	100YrSCS24Hr	0.33	92.59	93.25	92.80	93.25	0.000005	0.04	14.61	51.39	0.02
River 1	Reach 1-Upper	510	2YrCHI3Hr	0.06	92.60	92.72	92.68	92.73	0.004446	0.41	0.16	2.77	0.41
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	0.14	92.60	92.89	92.71	92.90	0.000737	0.33	0.44	5.18	0.20
River 1	Reach 1-Upper	510	25YrCHI3Hr	0.19	92.60	92.99	92.73	92.99	0.000465	0.32	0.59	11.84	0.17
River 1	Reach 1-Upper	510	50YrCHI3Hr	0.22	92.60	93.11	92.75	93.12	0.000243	0.28	0.79	109.05	0.13
River 1	Reach 1-Upper	510	100YrCHI3Hr	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	2YrSCS24Hr	0.10	92.60	92.80	92.69	92.80	0.001471	0.34	0.28	3.82	0.26
River 1	Reach 1-Upper	510	5YrSCS24Hr	0.15	92.60	92.91	92.72	92.92	0.000658	0.32	0.47	5.55	0.19
River 1	Reach 1-Upper	510	10YrSCS24Hr	0.19	92.60	93.00	92.73	93.01	0.000435	0.31	0.61	13.01	0.16
River 1	Reach 1-Upper	510	25YrSCS24Hr	0.24	92.60	93.24	92.75	93.24	0.000000	0.01	41.54	109.50	0.00
River 1	Reach 1-Upper	510	50YrSCS24Hr	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	100YrSCS24Hr	0.33	92.60	93.25	92.78	93.25	0.000000	0.01	42.37	109.53	0.01
River 1	Reach 1-Upper	505		Culvert									
River 1	Reach 1-Upper	502	2YrCHI3Hr	0.07	92.49	92.61	92.57	92.62	0.007737	0.51	0.14	2.26	0.54
River 1	Reach 1-Upper	502	5YrCHI3Hr	0.12	92.49	92.65	92.60	92.67	0.006529	0.60	0.20	2.74	0.53
River 1	Reach 1-Upper	502	10YrCHI3Hr	0.16	92.49	92.67	92.62	92.70	0.006086	0.66	0.24	3.04	0.52
River 1	Reach 1-Upper	502	25YrCHI3Hr	0.21	92.49	92.72	92.64	92.74	0.004564	0.67	0.31	3.72	0.47
River 1	Reach 1-Upper	502	50YrCHI3Hr	0.25	92.49	92.80	92.65	92.82	0.002112	0.57	0.43	5.24	0.34
River 1	Reach 1-Upper	502	100YrCHI3Hr	0.29	92.49	92.93	92.67	92.94	0.000855	0.47	0.63	7.55	0.23
River 1	Reach 1-Upper	502	2YrSCS24Hr	0.11	92.49	92.64	92.59	92.65	0.006707	0.58	0.19	2.62	0.53
River 1	Reach 1-Upper	502	5YrSCS24Hr	0.17	92.49	92.68	92.62	92.71	0.005738	0.66	0.26	3.15	0.51
River 1	Reach 1-Upper	502	10YrSCS24Hr	0.22	92.49	92.73	92.64	92.75	0.004158	0.66	0.33	3.95	0.45
River 1	Reach 1-Upper	502	25YrSCS24Hr	0.27	92.49	92.87	92.66	92.88	0.001296	0.51	0.53	6.24	0.27
River 1	Reach 1-Upper	502	50YrSCS24Hr	0.32	92.49	93.03	92.68	93.04	0.000519	0.42	0.77	104.89	0.19

HEC-RAS Plan: 20260401-Post_Dev_v03 (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	0.37	92.49	93.23	92.70	93.24	0.000228	0.34	1.08	105.45	0.13
River 1	Reach 1-Upper	493	2YrCHI3Hr	0.07	92.34	92.61	92.42	92.61	0.000133	0.10	0.75	4.68	0.08
River 1	Reach 1-Upper	493	5YrCHI3Hr	0.12	92.34	92.65	92.45	92.65	0.000201	0.13	0.96	5.45	0.10
River 1	Reach 1-Upper	493	10YrCHI3Hr	0.16	92.34	92.68	92.46	92.68	0.000231	0.14	1.12	5.94	0.10
River 1	Reach 1-Upper	493	25YrCHI3Hr	0.21	92.34	92.73	92.47	92.73	0.000214	0.15	1.42	6.71	0.10
River 1	Reach 1-Upper	493	50YrCHI3Hr	0.25	92.34	92.81	92.49	92.81	0.000122	0.12	2.01	8.05	0.08
River 1	Reach 1-Upper	493	100YrCHI3Hr	0.29	92.34	92.94	92.50	92.94	0.000003	0.02	22.75	101.14	0.01
River 1	Reach 1-Upper	493	2YrSCS24Hr	0.11	92.34	92.64	92.44	92.64	0.000184	0.12	0.90	5.25	0.09
River 1	Reach 1-Upper	493	5YrSCS24Hr	0.17	92.34	92.69	92.46	92.69	0.000232	0.14	1.18	6.13	0.11
River 1	Reach 1-Upper	493	10YrSCS24Hr	0.22	92.34	92.74	92.48	92.74	0.000200	0.15	1.49	6.81	0.10
River 1	Reach 1-Upper	493	25YrSCS24Hr	0.27	92.34	92.87	92.49	92.87	0.000073	0.11	2.58	9.70	0.06
River 1	Reach 1-Upper	493	50YrSCS24Hr	0.32	92.34	93.03	92.51	93.03	0.000001	0.02	32.27	101.55	0.01
River 1	Reach 1-Upper	493	100YrSCS24Hr	0.37	92.34	93.23	92.52	93.23	0.000000	0.01	52.95	102.61	0.00
River 1	Reach 1-Upper	474	2YrCHI3Hr	0.07	92.41	92.60	92.50	92.60	0.000597	0.15	0.49	5.07	0.15
River 1	Reach 1-Upper	474	5YrCHI3Hr	0.12	92.41	92.64	92.53	92.65	0.000602	0.17	0.72	5.95	0.16
River 1	Reach 1-Upper	474	10YrCHI3Hr	0.16	92.41	92.67	92.54	92.67	0.000568	0.18	0.89	6.54	0.16
River 1	Reach 1-Upper	474	25YrCHI3Hr	0.21	92.41	92.72	92.55	92.72	0.000404	0.17	1.23	7.58	0.13
River 1	Reach 1-Upper	474	50YrCHI3Hr	0.25	92.41	92.81	92.56	92.81	0.000152	0.13	1.98	11.32	0.09
River 1	Reach 1-Upper	474	100YrCHI3Hr	0.29	92.41	92.94	92.57	92.94	0.000001	0.01	34.63	91.93	0.01
River 1	Reach 1-Upper	474	2YrSCS24Hr	0.11	92.41	92.63	92.52	92.64	0.000604	0.16	0.66	5.73	0.16
River 1	Reach 1-Upper	474	5YrSCS24Hr	0.17	92.41	92.68	92.54	92.68	0.000532	0.18	0.96	6.77	0.15
River 1	Reach 1-Upper	474	10YrSCS24Hr	0.22	92.41	92.73	92.56	92.73	0.000363	0.16	1.31	7.81	0.13
River 1	Reach 1-Upper	474	25YrSCS24Hr	0.27	92.41	92.87	92.57	92.87	0.000001	0.01	28.89	91.64	0.01
River 1	Reach 1-Upper	474	50YrSCS24Hr	0.32	92.41	93.03	92.58	93.03	0.000000	0.01	43.29	92.35	0.00
River 1	Reach 1-Upper	474	100YrSCS24Hr	0.37	92.41	93.23	92.59	93.23	0.000000	0.01	62.09	93.27	0.00
River 1	Reach 1-Upper	454	2YrCHI3Hr	0.07	92.44	92.58	92.51	92.59	0.001604	0.25	0.29	2.89	0.25
River 1	Reach 1-Upper	454	5YrCHI3Hr	0.12	92.44	92.62	92.53	92.63	0.001687	0.29	0.42	3.32	0.26
River 1	Reach 1-Upper	454	10YrCHI3Hr	0.16	92.44	92.65	92.54	92.66	0.001610	0.31	0.51	3.61	0.26
River 1	Reach 1-Upper	454	25YrCHI3Hr	0.21	92.44	92.70	92.56	92.71	0.001084	0.29	0.72	4.18	0.22
River 1	Reach 1-Upper	454	50YrCHI3Hr	0.25	92.44	92.80	92.57	92.80	0.000421	0.22	1.17	5.42	0.14
River 1	Reach 1-Upper	454	100YrCHI3Hr	0.29	92.44	92.94	92.58	92.94	0.000003	0.02	20.32	83.17	0.01
River 1	Reach 1-Upper	454	2YrSCS24Hr	0.11	92.44	92.61	92.52	92.62	0.001708	0.28	0.38	3.20	0.26
River 1	Reach 1-Upper	454	5YrSCS24Hr	0.17	92.44	92.66	92.55	92.67	0.001485	0.31	0.56	3.74	0.25
River 1	Reach 1-Upper	454	10YrSCS24Hr	0.22	92.44	92.72	92.56	92.72	0.000949	0.28	0.77	4.30	0.21
River 1	Reach 1-Upper	454	25YrSCS24Hr	0.27	92.44	92.87	92.58	92.87	0.000007	0.03	15.12	82.99	0.02
River 1	Reach 1-Upper	454	50YrSCS24Hr	0.32	92.44	93.03	92.59	93.03	0.000001	0.02	28.15	83.46	0.01
River 1	Reach 1-Upper	454	100YrSCS24Hr	0.37	92.44	93.23	92.60	93.23	0.000000	0.01	45.11	84.07	0.01
River 1	Reach 1-Upper	434	2YrCHI3Hr	0.07	92.42	92.54	92.49	92.54	0.003131	0.30	0.24	2.93	0.33
River 1	Reach 1-Upper	434	5YrCHI3Hr	0.12	92.42	92.58	92.51	92.59	0.002184	0.32	0.39	3.35	0.30
River 1	Reach 1-Upper	434	10YrCHI3Hr	0.16	92.42	92.62	92.52	92.62	0.001749	0.32	0.50	3.64	0.27
River 1	Reach 1-Upper	434	25YrCHI3Hr	0.21	92.42	92.70	92.53	92.70	0.000136	0.10	3.47	39.92	0.08
River 1	Reach 1-Upper	434	50YrCHI3Hr	0.25	92.42	92.80	92.55	92.80	0.000022	0.05	9.17	73.84	0.03
River 1	Reach 1-Upper	434	100YrCHI3Hr	0.29	92.42	92.94	92.56	92.94	0.000003	0.03	19.34	74.32	0.01
River 1	Reach 1-Upper	434	2YrSCS24Hr	0.11	92.42	92.57	92.50	92.57	0.002416	0.31	0.34	3.23	0.31
River 1	Reach 1-Upper	434	5YrSCS24Hr	0.17	92.42	92.63	92.52	92.64	0.001606	0.31	0.56	4.00	0.26
River 1	Reach 1-Upper	434	10YrSCS24Hr	0.22	92.42	92.71	92.54	92.71	0.000108	0.09	4.02	43.59	0.07
River 1	Reach 1-Upper	434	25YrSCS24Hr	0.27	92.42	92.87	92.55	92.87	0.000006	0.03	14.69	74.10	0.02
River 1	Reach 1-Upper	434	50YrSCS24Hr	0.32	92.42	93.03	92.56	93.03	0.000001	0.02	26.34	74.64	0.01
River 1	Reach 1-Upper	434	100YrSCS24Hr	0.37	92.42	93.23	92.57	93.23	0.000000	0.01	41.53	75.37	0.01
River 1	Reach 1-Upper	416	2YrCHI3Hr	0.07	92.34	92.52	92.42	92.52	0.000594	0.15	0.47	4.81	0.15
River 1	Reach 1-Upper	416	5YrCHI3Hr	0.12	92.34	92.57	92.45	92.57	0.000421	0.17	0.75	5.85	0.14
River 1	Reach 1-Upper	416	10YrCHI3Hr	0.16	92.34	92.61	92.46	92.61	0.000169	0.13	2.17	28.54	0.09
River 1	Reach 1-Upper	416	25YrCHI3Hr	0.21	92.34	92.70	92.47	92.70	0.000038	0.08	4.95	34.66	0.05
River 1	Reach 1-Upper	416	50YrCHI3Hr	0.25	92.34	92.80	92.48	92.80	0.000012	0.05	8.86	43.80	0.03
River 1	Reach 1-Upper	416	100YrCHI3Hr	0.29	92.34	92.94	92.49	92.94	0.000004	0.04	16.28	66.50	0.02
River 1	Reach 1-Upper	416	2YrSCS24Hr	0.11	92.34	92.56	92.44	92.56	0.000460	0.17	0.67	5.57	0.14
River 1	Reach 1-Upper	416	5YrSCS24Hr	0.17	92.34	92.63	92.46	92.63	0.000124	0.11	2.65	29.68	0.08
River 1	Reach 1-Upper	416	10YrSCS24Hr	0.22	92.34	92.71	92.47	92.71	0.000032	0.07	5.42	35.57	0.04
River 1	Reach 1-Upper	416	25YrSCS24Hr	0.27	92.34	92.87	92.49	92.87	0.000006	0.04	12.48	53.40	0.02
River 1	Reach 1-Upper	416	50YrSCS24Hr	0.32	92.34	93.03	92.49	93.03	0.000002	0.03	22.58	67.08	0.01
River 1	Reach 1-Upper	416	100YrSCS24Hr	0.37	92.34	93.23	92.50	93.23	0.000001	0.02	36.24	67.81	0.01
River 1	Reach 1-Upper	398	2YrCHI3Hr	0.07	92.28	92.50	92.40	92.51	0.000938	0.22	0.33	2.54	0.20
River 1	Reach 1-Upper	398	5YrCHI3Hr	0.12	92.28	92.56	92.42	92.56	0.000913	0.26	0.48	2.86	0.20
River 1	Reach 1-Upper	398	10YrCHI3Hr	0.16	92.28	92.60	92.44	92.61	0.000764	0.26	0.61	3.13	0.19
River 1	Reach 1-Upper	398	25YrCHI3Hr	0.21	92.28	92.70	92.46	92.70	0.000401	0.23	0.93	4.03	0.14
River 1	Reach 1-Upper	398	50YrCHI3Hr	0.25	92.28	92.80	92.47	92.80	0.000150	0.16	2.51	35.14	0.09
River 1	Reach 1-Upper	398	100YrCHI3Hr	0.29	92.28	92.94	92.48	92.94	0.000018	0.07	9.30	58.44	0.03
River 1	Reach 1-Upper	398	2YrSCS24Hr	0.11	92.28	92.54	92.42	92.55	0.000934	0.25	0.43	2.78	0.20
River 1	Reach 1-Upper	398	5YrSCS24Hr	0.17	92.28	92.62	92.44	92.62	0.000689	0.26	0.67	3.24	0.18
River 1	Reach 1-Upper	398	10YrSCS24Hr	0.22	92.28	92.71	92.46	92.71	0.000365	0.22	0.99	4.50	0.14
River 1	Reach 1-Upper	398	25YrSCS24Hr	0.27	92.28	92.87	92.48	92.87	0.000042	0.10	5.90	48.09	0.05
River 1	Reach 1-Upper	398	50YrSCS24Hr	0.32	92.28	93.03	92.49	93.03	0.000006	0.04	14.82	58.71	0.02
River 1	Reach 1-Upper	398	100YrSCS24Hr	0.37	92.28	93.23	92.50	93.23	0.000001	0.02	26.77	59.29	0.01
River 1	Reach 1-Upper	383	2YrCHI3Hr	0.07	92.34	92.47	92.42	92.48	0.004360	0.39	0.19	1.94	0.40
River 1	Reach 1-Upper	383	5YrCHI3Hr	0.12	92.34	92.53	92.45	92.54	0.002848	0.39	0.31	2.30	0.34
River 1	Reach 1-Upper	383	10YrCHI3Hr	0.16	92.34	92.58	92.46	92.59	0.001793	0.36	0.44	2.60	0.28
River 1	Reach 1-Upper	383	25YrCHI3Hr	0.21	92.34	92.69	92.48	92.69	0.000720	0.28	0.74	3.18	0.19
River 1	Reach 1-Upper	383	50YrCHI3Hr	0.25	92.34	92.79	92.50	92.80	0.000334	0.22	1.11	3.78	0.13
River 1	Reach 1-Upper	383	100YrCHI3Hr	0.29	92.34	92.93	92.51	92.94	0.000138	0.17	1.71	4.83	0.09
River 1	Reach 1-Upper	383	2YrSCS24Hr	0.11	92.34	92.51	92.44	92.52	0.003235	0.40	0.27	2.21	0.36
River 1	Reach 1-Upper	383	5YrSCS24Hr	0.17	92.34	92.60	92.47	92.61	0.001493	0.35	0.49	2.71	0.26
River 1	Reach 1-Upper	383	10YrSCS24Hr	0.22	92.34	92.70	92.49	92.70	0.000650	0.28	0.78	3.26	0.18
River 1	Reach 1-Upper	383	25YrSCS24Hr	0.27	92.34	92.87	92.51	92.87	0.000205	0.19	1.42	4.21	0.11

HEC-RAS Plan: 20260401-Post_Dev_v03 (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	0.32	92.34	93.03	92.52	93.03	0.000013	0.06	10.49	51.62	0.03
River 1	Reach 1-Upper	383	100YrSCS24Hr	0.37	92.34	93.23	92.53	93.23	0.000002	0.03	21.02	52.21	0.01
River 1	Reach 1-Upper	364	2YrCHI3Hr	0.07	92.23	92.43	92.33	92.44	0.001347	0.27	0.27	2.04	0.23
River 1	Reach 1-Upper	364	5YrCHI3Hr	0.12	92.23	92.50	92.36	92.51	0.001091	0.29	0.42	2.38	0.22
River 1	Reach 1-Upper	364	10YrCHI3Hr	0.16	92.23	92.56	92.38	92.57	0.000757	0.28	0.58	2.68	0.19
River 1	Reach 1-Upper	364	25YrCHI3Hr	0.21	92.23	92.68	92.40	92.68	0.000366	0.23	0.92	3.24	0.14
River 1	Reach 1-Upper	364	50YrCHI3Hr	0.25	92.23	92.79	92.41	92.79	0.000203	0.19	1.31	3.88	0.11
River 1	Reach 1-Upper	364	100YrCHI3Hr	0.29	92.23	92.93	92.43	92.93	0.000094	0.15	1.98	5.87	0.07
River 1	Reach 1-Upper	364	2YrSCS24Hr	0.11	92.23	92.48	92.35	92.49	0.001191	0.29	0.37	2.28	0.23
River 1	Reach 1-Upper	364	5YrSCS24Hr	0.17	92.23	92.59	92.38	92.59	0.000655	0.27	0.64	2.80	0.18
River 1	Reach 1-Upper	364	10YrSCS24Hr	0.22	92.23	92.69	92.40	92.70	0.000339	0.22	0.97	3.32	0.13
River 1	Reach 1-Upper	364	25YrSCS24Hr	0.27	92.23	92.87	92.42	92.87	0.000135	0.17	1.64	4.67	0.09
River 1	Reach 1-Upper	364	50YrSCS24Hr	0.32	92.23	93.03	92.44	93.03	0.000032	0.10	6.11	44.02	0.04
River 1	Reach 1-Upper	364	100YrSCS24Hr	0.37	92.23	93.23	92.45	93.23	0.000005	0.04	15.12	44.59	0.02
River 1	Reach 1-Upper	347	2YrCHI3Hr	0.07	92.26	92.41	92.33	92.41	0.001311	0.25	0.29	2.48	0.23
River 1	Reach 1-Upper	347	5YrCHI3Hr	0.12	92.26	92.49	92.35	92.49	0.000799	0.25	0.49	2.81	0.19
River 1	Reach 1-Upper	347	10YrCHI3Hr	0.16	92.26	92.55	92.37	92.56	0.000501	0.23	0.69	3.10	0.16
River 1	Reach 1-Upper	347	25YrCHI3Hr	0.21	92.26	92.67	92.38	92.68	0.000235	0.19	1.09	3.61	0.11
River 1	Reach 1-Upper	347	50YrCHI3Hr	0.25	92.26	92.79	92.39	92.79	0.000131	0.16	1.52	4.09	0.09
River 1	Reach 1-Upper	347	100YrCHI3Hr	0.29	92.26	92.93	92.41	92.93	0.000067	0.13	2.17	5.17	0.06
River 1	Reach 1-Upper	347	2YrSCS24Hr	0.11	92.26	92.46	92.34	92.47	0.000924	0.25	0.43	2.71	0.20
River 1	Reach 1-Upper	347	5YrSCS24Hr	0.17	92.26	92.58	92.37	92.58	0.000426	0.22	0.77	3.20	0.14
River 1	Reach 1-Upper	347	10YrSCS24Hr	0.22	92.26	92.69	92.38	92.69	0.000218	0.19	1.15	3.67	0.11
River 1	Reach 1-Upper	347	25YrSCS24Hr	0.27	92.26	92.87	92.40	92.87	0.000091	0.15	1.87	4.46	0.07
River 1	Reach 1-Upper	347	50YrSCS24Hr	0.32	92.26	93.03	92.41	93.03	0.000041	0.12	2.88	10.67	0.05
River 1	Reach 1-Upper	347	100YrSCS24Hr	0.37	92.26	93.23	92.43	93.23	0.000008	0.06	10.68	37.82	0.02
River 1	Reach 1-Upper	328	2YrCHI3Hr	0.07	92.20	92.38	92.29	92.38	0.001752	0.30	0.24	1.87	0.27
River 1	Reach 1-Upper	328	5YrCHI3Hr	0.12	92.20	92.47	92.32	92.47	0.001008	0.29	0.42	2.25	0.21
River 1	Reach 1-Upper	328	10YrCHI3Hr	0.16	92.20	92.54	92.33	92.55	0.000632	0.26	0.60	2.56	0.17
River 1	Reach 1-Upper	328	25YrCHI3Hr	0.21	92.20	92.67	92.36	92.67	0.000304	0.22	0.95	3.08	0.13
River 1	Reach 1-Upper	328	50YrCHI3Hr	0.25	92.20	92.78	92.37	92.78	0.000178	0.19	1.34	3.69	0.10
River 1	Reach 1-Upper	328	100YrCHI3Hr	0.29	92.20	92.93	92.39	92.93	0.000093	0.15	1.96	4.66	0.07
River 1	Reach 1-Upper	328	2YrSCS24Hr	0.11	92.20	92.44	92.31	92.45	0.001172	0.29	0.37	2.14	0.23
River 1	Reach 1-Upper	328	5YrSCS24Hr	0.17	92.20	92.57	92.34	92.57	0.000541	0.26	0.67	2.67	0.16
River 1	Reach 1-Upper	328	10YrSCS24Hr	0.22	92.20	92.68	92.36	92.69	0.000283	0.22	1.00	3.14	0.12
River 1	Reach 1-Upper	328	25YrSCS24Hr	0.27	92.20	92.86	92.38	92.87	0.000127	0.16	1.67	4.31	0.08
River 1	Reach 1-Upper	328	50YrSCS24Hr	0.32	92.20	93.03	92.40	93.03	0.000063	0.13	2.46	5.51	0.06
River 1	Reach 1-Upper	328	100YrSCS24Hr	0.37	92.20	93.23	92.41	93.23	0.000014	0.07	8.02	29.79	0.03
River 1	Reach 1-Upper	306	2YrCHI3Hr	0.07	92.07	92.36	92.19	92.36	0.000723	0.26	0.28	1.53	0.18
River 1	Reach 1-Upper	306	5YrCHI3Hr	0.12	92.07	92.45	92.22	92.45	0.000687	0.30	0.40	1.84	0.18
River 1	Reach 1-Upper	306	10YrCHI3Hr	0.16	92.07	92.53	92.25	92.53	0.000563	0.31	0.52	2.11	0.17
River 1	Reach 1-Upper	306	25YrCHI3Hr	0.21	92.07	92.66	92.27	92.66	0.000340	0.29	0.71	2.60	0.14
River 1	Reach 1-Upper	306	50YrCHI3Hr	0.25	92.07	92.78	92.29	92.78	0.000232	0.28	0.89	3.10	0.12
River 1	Reach 1-Upper	306	100YrCHI3Hr	0.29	92.07	92.92	92.31	92.93	0.000151	0.26	1.11	3.98	0.10
River 1	Reach 1-Upper	306	2YrSCS24Hr	0.11	92.07	92.42	92.22	92.43	0.000711	0.29	0.37	1.75	0.18
River 1	Reach 1-Upper	306	5YrSCS24Hr	0.17	92.07	92.56	92.26	92.56	0.000514	0.31	0.56	2.21	0.16
River 1	Reach 1-Upper	306	10YrSCS24Hr	0.22	92.07	92.67	92.28	92.68	0.000325	0.29	0.74	2.67	0.13
River 1	Reach 1-Upper	306	25YrSCS24Hr	0.27	92.07	92.86	92.31	92.86	0.000182	0.27	1.01	3.45	0.11
River 1	Reach 1-Upper	306	50YrSCS24Hr	0.32	92.07	93.02	92.32	93.03	0.000120	0.25	1.26	4.87	0.09
River 1	Reach 1-Upper	306	100YrSCS24Hr	0.37	92.07	93.23	92.34	93.23	0.000077	0.24	1.57	20.82	0.07
River 1	Reach 1-Upper	300		Culvert									
River 1	Reach 1-Upper	294	2YrCHI3Hr	0.07	92.15	92.32	92.23	92.33	0.001574	0.32	0.23	2.11	0.26
River 1	Reach 1-Upper	294	5YrCHI3Hr	0.12	92.15	92.37	92.26	92.38	0.001843	0.41	0.30	2.35	0.30
River 1	Reach 1-Upper	294	10YrCHI3Hr	0.16	92.15	92.39	92.28	92.40	0.002112	0.48	0.33	2.47	0.32
River 1	Reach 1-Upper	294	25YrCHI3Hr	0.21	92.15	92.42	92.30	92.44	0.002418	0.56	0.38	2.62	0.35
River 1	Reach 1-Upper	294	50YrCHI3Hr	0.25	92.15	92.44	92.31	92.46	0.002632	0.61	0.41	2.73	0.37
River 1	Reach 1-Upper	294	100YrCHI3Hr	0.29	92.15	92.46	92.33	92.49	0.002788	0.66	0.44	2.84	0.39
River 1	Reach 1-Upper	294	2YrSCS24Hr	0.11	92.15	92.36	92.25	92.36	0.001772	0.39	0.28	2.29	0.29
River 1	Reach 1-Upper	294	5YrSCS24Hr	0.17	92.15	92.40	92.28	92.41	0.002190	0.50	0.34	2.51	0.33
River 1	Reach 1-Upper	294	10YrSCS24Hr	0.22	92.15	92.42	92.30	92.44	0.002481	0.57	0.38	2.64	0.36
River 1	Reach 1-Upper	294	25YrSCS24Hr	0.27	92.15	92.45	92.32	92.48	0.002750	0.64	0.43	2.79	0.39
River 1	Reach 1-Upper	294	50YrSCS24Hr	0.32	92.15	92.48	92.34	92.50	0.002931	0.70	0.46	2.91	0.40
River 1	Reach 1-Upper	294	100YrSCS24Hr	0.37	92.15	92.50	92.35	92.53	0.003160	0.76	0.49	3.01	0.42
River 1	Reach 1-Upper	279	2YrCHI3Hr	0.09	92.08	92.21	92.21	92.25	0.030968	0.83	0.10	1.54	1.01
River 1	Reach 1-Upper	279	5YrCHI3Hr	0.15	92.08	92.25	92.24	92.29	0.025757	0.90	0.16	1.85	0.97
River 1	Reach 1-Upper	279	10YrCHI3Hr	0.20	92.08	92.28		92.32	0.017921	0.87	0.23	2.03	0.83
River 1	Reach 1-Upper	279	25YrCHI3Hr	0.26	92.08	92.31		92.35	0.013590	0.86	0.30	2.25	0.75
River 1	Reach 1-Upper	279	50YrCHI3Hr	0.31	92.08	92.34		92.38	0.011935	0.87	0.36	2.40	0.71
River 1	Reach 1-Upper	279	100YrCHI3Hr	0.37	92.08	92.36		92.40	0.010878	0.88	0.42	2.54	0.69
River 1	Reach 1-Upper	279	2YrSCS24Hr	0.13	92.08	92.24	92.24	92.28	0.028026	0.89	0.15	1.77	1.00
River 1	Reach 1-Upper	279	5YrSCS24Hr	0.21	92.08	92.29		92.33	0.016973	0.87	0.24	2.08	0.82
River 1	Reach 1-Upper	279	10YrSCS24Hr	0.27	92.08	92.32		92.36	0.013275	0.86	0.31	2.27	0.74
River 1	Reach 1-Upper	279	25YrSCS24Hr	0.34	92.08	92.35		92.39	0.011320	0.87	0.39	2.47	0.70
River 1	Reach 1-Upper	279	50YrSCS24Hr	0.40	92.08	92.38		92.42	0.010412	0.89	0.45	2.61	0.68
River 1	Reach 1-Upper	279	100YrSCS24Hr	0.47	92.08	92.40		92.44	0.009682	0.90	0.52	2.76	0.67
River 1	Reach 1-Upper	277	2YrCHI3Hr	0.09	91.95	92.21		92.21	0.000715	0.22	0.40	2.73	0.18
River 1	Reach 1-Upper	277	5YrCHI3Hr	0.15	91.95	92.26		92.26	0.000859	0.28	0.55	3.02	0.20
River 1	Reach 1-Upper	277	10YrCHI3Hr	0.20	91.95	92.29		92.29	0.000926	0.32	0.64	3.19	0.21
River 1	Reach 1-Upper	277	25YrCHI3Hr	0.26	91.95	92.32		92.33	0.000998	0.37	0.75	3.39	0.23
River 1	Reach 1-Upper	277	50YrCHI3Hr	0.31	91.95	92.35		92.36	0.001055	0.40	0.84	3.52	0.24
River 1	Reach 1-Upper	277	100YrCHI3Hr	0.37	91.95	92.37		92.38	0.001115	0.43	0.92	3.65	0.25
River 1	Reach 1-Upper	277	2YrSCS24Hr	0.13	91.95	92.25		92.25	0.000829	0.26	0.51	2.95	0.20

HEC-RAS Plan: 20260401-Post_Dev_v03 (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	0.21	91.95	92.30		92.30	0.000956	0.33	0.66	3.23	0.22
River 1	Reach 1-Upper	277	10YrSCS24Hr	0.27	91.95	92.33		92.34	0.001007	0.37	0.77	3.41	0.23
River 1	Reach 1-Upper	277	25YrSCS24Hr	0.34	91.95	92.36		92.37	0.001088	0.42	0.88	3.60	0.24
River 1	Reach 1-Upper	277	50YrSCS24Hr	0.40	91.95	92.39		92.40	0.001148	0.45	0.97	3.73	0.25
River 1	Reach 1-Upper	277	100YrSCS24Hr	0.47	91.95	92.41		92.42	0.001203	0.48	1.06	3.86	0.26
River 1	Reach 1-Upper	270	2YrCHI3Hr	0.09	92.03	92.20		92.20	0.001702	0.28	0.31	2.65	0.26
River 1	Reach 1-Upper	270	5YrCHI3Hr	0.15	92.03	92.25		92.26	0.001752	0.33	0.45	3.08	0.28
River 1	Reach 1-Upper	270	10YrCHI3Hr	0.20	92.03	92.28		92.29	0.001743	0.36	0.54	3.36	0.28
River 1	Reach 1-Upper	270	25YrCHI3Hr	0.26	92.03	92.31		92.32	0.001731	0.40	0.67	3.69	0.29
River 1	Reach 1-Upper	270	50YrCHI3Hr	0.31	92.03	92.34		92.35	0.001733	0.42	0.76	3.96	0.29
River 1	Reach 1-Upper	270	100YrCHI3Hr	0.37	92.03	92.36		92.37	0.001677	0.44	0.86	4.77	0.29
River 1	Reach 1-Upper	270	2YrSCS24Hr	0.13	92.03	92.24		92.24	0.001762	0.32	0.41	2.96	0.27
River 1	Reach 1-Upper	270	5YrSCS24Hr	0.21	92.03	92.29		92.29	0.001769	0.37	0.57	3.43	0.28
River 1	Reach 1-Upper	270	10YrSCS24Hr	0.27	92.03	92.32		92.33	0.001732	0.40	0.68	3.72	0.29
River 1	Reach 1-Upper	270	25YrSCS24Hr	0.34	92.03	92.35		92.36	0.001702	0.43	0.81	4.41	0.29
River 1	Reach 1-Upper	270	50YrSCS24Hr	0.40	92.03	92.38		92.39	0.001649	0.46	0.93	5.22	0.29
River 1	Reach 1-Upper	270	100YrSCS24Hr	0.47	92.03	92.40		92.41	0.001589	0.48	1.06	5.67	0.29
River 1	Reach 1-Upper	261	2YrCHI3Hr	0.09	92.00	92.18	92.10	92.19	0.002251	0.33	0.26	2.11	0.30
River 1	Reach 1-Upper	261	5YrCHI3Hr	0.15	92.00	92.23	92.13	92.24	0.002551	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	0.002717	0.45	0.43	2.48	0.35
River 1	Reach 1-Upper	261	25YrCHI3Hr	0.26	92.00	92.29	92.17	92.30	0.002863	0.50	0.52	2.64	0.36
River 1	Reach 1-Upper	261	50YrCHI3Hr	0.31	92.00	92.31	92.19	92.33	0.002989	0.54	0.58	2.75	0.38
River 1	Reach 1-Upper	261	100YrCHI3Hr	0.37	92.00	92.34	92.21	92.35	0.003096	0.57	0.64	2.86	0.39
River 1	Reach 1-Upper	261	2YrSCS24Hr	0.13	92.00	92.22	92.12	92.22	0.002475	0.39	0.33	2.28	0.32
River 1	Reach 1-Upper	261	5YrSCS24Hr	0.21	92.00	92.26	92.16	92.28	0.002821	0.47	0.45	2.51	0.36
River 1	Reach 1-Upper	261	10YrSCS24Hr	0.27	92.00	92.29	92.18	92.31	0.002885	0.51	0.53	2.66	0.37
River 1	Reach 1-Upper	261	25YrSCS24Hr	0.34	92.00	92.33	92.20	92.34	0.003049	0.56	0.61	2.81	0.38
River 1	Reach 1-Upper	261	50YrSCS24Hr	0.40	92.00	92.35	92.21	92.37	0.003151	0.59	0.68	2.93	0.39
River 1	Reach 1-Upper	261	100YrSCS24Hr	0.47	92.00	92.37	92.23	92.39	0.003253	0.62	0.75	3.06	0.40
River 1	Reach 1-Upper	239	2YrCHI3Hr	0.09	91.93	92.05	92.04	92.07	0.017641	0.69	0.12	1.58	0.78
River 1	Reach 1-Upper	239	5YrCHI3Hr	0.15	91.93	92.09	92.07	92.12	0.014089	0.75	0.20	1.89	0.73
River 1	Reach 1-Upper	239	10YrCHI3Hr	0.20	91.93	92.12	92.09	92.15	0.012625	0.78	0.25	2.05	0.71
River 1	Reach 1-Upper	239	25YrCHI3Hr	0.26	91.93	92.15	92.11	92.18	0.011287	0.82	0.32	2.22	0.69
River 1	Reach 1-Upper	239	50YrCHI3Hr	0.31	91.93	92.17	92.13	92.21	0.010600	0.84	0.37	2.34	0.68
River 1	Reach 1-Upper	239	100YrCHI3Hr	0.37	91.93	92.20	92.15	92.23	0.010052	0.87	0.42	2.45	0.67
River 1	Reach 1-Upper	239	2YrSCS24Hr	0.13	91.93	92.08	92.06	92.11	0.014856	0.73	0.18	1.80	0.74
River 1	Reach 1-Upper	239	5YrSCS24Hr	0.21	91.93	92.13	92.10	92.16	0.012234	0.79	0.27	2.09	0.70
River 1	Reach 1-Upper	239	10YrSCS24Hr	0.27	91.93	92.15	92.12	92.19	0.011165	0.82	0.33	2.24	0.69
River 1	Reach 1-Upper	239	25YrSCS24Hr	0.34	91.93	92.19	92.14	92.22	0.010287	0.86	0.40	2.40	0.67
River 1	Reach 1-Upper	239	50YrSCS24Hr	0.40	91.93	92.21	92.16	92.25	0.009754	0.88	0.45	2.52	0.66
River 1	Reach 1-Upper	239	100YrSCS24Hr	0.47	91.93	92.23	92.17	92.27	0.009233	0.90	0.52	2.64	0.65
River 1	Reach 1-Upper	218	2YrCHI3Hr	0.09	91.82	91.97	91.90	91.98	0.002011	0.30	0.29	2.50	0.28
River 1	Reach 1-Upper	218	5YrCHI3Hr	0.15	91.82	92.02	91.92	92.02	0.002154	0.37	0.41	2.72	0.30
River 1	Reach 1-Upper	218	10YrCHI3Hr	0.20	91.82	92.05	91.94	92.05	0.002195	0.40	0.49	2.86	0.31
River 1	Reach 1-Upper	218	25YrCHI3Hr	0.26	91.82	92.08	91.96	92.09	0.002317	0.45	0.58	3.01	0.33
River 1	Reach 1-Upper	218	50YrCHI3Hr	0.31	91.82	92.10	91.97	92.11	0.002380	0.48	0.65	3.13	0.34
River 1	Reach 1-Upper	218	100YrCHI3Hr	0.37	91.82	92.12	91.99	92.14	0.002427	0.51	0.72	3.24	0.34
River 1	Reach 1-Upper	218	2YrSCS24Hr	0.13	91.82	92.00	91.92	92.01	0.002121	0.35	0.37	2.66	0.30
River 1	Reach 1-Upper	218	5YrSCS24Hr	0.21	91.82	92.05	91.94	92.06	0.002229	0.42	0.51	2.90	0.32
River 1	Reach 1-Upper	218	10YrSCS24Hr	0.27	91.82	92.08	91.96	92.09	0.002328	0.45	0.59	3.03	0.33
River 1	Reach 1-Upper	218	25YrSCS24Hr	0.34	91.82	92.11	91.98	92.13	0.002406	0.50	0.69	3.19	0.34
River 1	Reach 1-Upper	218	50YrSCS24Hr	0.40	91.82	92.14	91.99	92.15	0.002455	0.52	0.77	3.32	0.35
River 1	Reach 1-Upper	218	100YrSCS24Hr	0.47	91.82	92.16	92.01	92.18	0.002479	0.55	0.85	3.47	0.35
River 1	Reach 1-Upper	197	2YrCHI3Hr	0.09	91.73	91.86	91.84	91.88	0.015766	0.67	0.13	1.59	0.75
River 1	Reach 1-Upper	197	5YrCHI3Hr	0.15	91.73	91.90	91.87	91.93	0.013264	0.74	0.20	1.88	0.72
River 1	Reach 1-Upper	197	10YrCHI3Hr	0.20	91.73	91.92	91.89	91.96	0.012348	0.78	0.25	2.01	0.71
River 1	Reach 1-Upper	197	25YrCHI3Hr	0.26	91.73	91.95	91.92	91.99	0.011605	0.83	0.31	2.16	0.70
River 1	Reach 1-Upper	197	50YrCHI3Hr	0.31	91.73	91.98	91.94	92.01	0.010864	0.86	0.36	2.27	0.69
River 1	Reach 1-Upper	197	100YrCHI3Hr	0.37	91.73	92.00	91.95	92.04	0.010606	0.90	0.41	2.36	0.68
River 1	Reach 1-Upper	197	2YrSCS24Hr	0.13	91.73	91.89	91.87	91.91	0.013909	0.72	0.18	1.81	0.72
River 1	Reach 1-Upper	197	5YrSCS24Hr	0.21	91.73	91.93	91.90	91.96	0.012137	0.79	0.27	2.05	0.70
River 1	Reach 1-Upper	197	10YrSCS24Hr	0.27	91.73	91.96	91.92	91.99	0.011514	0.84	0.32	2.18	0.70
River 1	Reach 1-Upper	197	25YrSCS24Hr	0.34	91.73	91.99	91.95	92.03	0.010714	0.88	0.39	2.32	0.69
River 1	Reach 1-Upper	197	50YrSCS24Hr	0.40	91.73	92.01	91.96	92.05	0.010480	0.92	0.44	2.41	0.69
River 1	Reach 1-Upper	197	100YrSCS24Hr	0.47	91.73	92.03	91.98	92.08	0.010295	0.95	0.49	2.51	0.69
River 1	Reach 1-Upper	174	2YrCHI3Hr	0.09	91.52	91.70	91.64	91.71	0.004240	0.42	0.20	1.84	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	2.18	0.43
River 1	Reach 1-Upper	174	10YrCHI3Hr	0.20	91.52	91.78	91.70	91.79	0.004630	0.55	0.36	2.30	0.45
River 1	Reach 1-Upper	174	25YrCHI3Hr	0.26	91.52	91.81	91.72	91.82	0.004764	0.60	0.43	2.46	0.46
River 1	Reach 1-Upper	174	50YrCHI3Hr	0.31	91.52	91.83	91.74	91.85	0.004920	0.64	0.48	2.56	0.47
River 1	Reach 1-Upper	174	100YrCHI3Hr	0.37	91.52	91.85	91.76	91.87	0.005045	0.68	0.54	2.67	0.48
River 1	Reach 1-Upper	174	2YrSCS24Hr	0.13	91.52	91.74	91.67	91.75	0.004376	0.48	0.27	2.09	0.42
River 1	Reach 1-Upper	174	5YrSCS24Hr	0.21	91.52	91.78	91.70	91.80	0.004673	0.56	0.37	2.34	0.45
River 1	Reach 1-Upper	174	10YrSCS24Hr	0.27	91.52	91.81	91.72	91.83	0.004791	0.61	0.44	2.47	0.46
River 1	Reach 1-Upper	174	25YrSCS24Hr	0.34	91.52	91.84	91.75	91.86	0.004993	0.67	0.51	2.62	0.48
River 1	Reach 1-Upper	174	50YrSCS24Hr	0.40	91.52	91.86	91.77	91.89	0.005108	0.70	0.57	2.72	0.49
River 1	Reach 1-Upper	174	100YrSCS24Hr	0.47	91.52	91.88	91.78	91.91	0.005150	0.73	0.63	2.83	0.50
River 1	Reach 1-Upper	154	2YrCHI3Hr	0.09	91.43	91.62	91.56	91.63	0.004316	0.40	0.22	2.21	0.40
River 1	Reach 1-Upper	154	5YrCHI3Hr	0.15	91.43	91.66	91.59	91.67	0.004196	0.46	0.33	2.61	0.41
River 1	Reach 1-Upper	154	10YrCHI3Hr	0.20	91.43	91.69	91.61	91.70	0.004192	0.49	0.40	2.83	0.42
River 1	Reach 1-Upper	154	25YrCHI3Hr	0.26	91.43	91.72	91.63	91.74	0.004098	0.53	0.49	3.08	0.42
River 1	Reach 1-Upper	154	50YrCHI3Hr	0.31	91.43	91.74	91.65	91.76	0.004007	0.55	0.56	3.25	0.43
River 1	Reach 1-Upper	154	100YrCHI3Hr	0.37	91.43	91.77	91.67	91.78	0.003907	0.58	0.64	3.40	0.43

HEC-RAS Plan: 20260401-Post_Dev_v03 (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	0.004250	0.44	0.29	2.50	0.41
River 1	Reach 1-Upper	154	5YrSCS24Hr	0.21	91.43	91.70	91.62	91.71	0.004172	0.50	0.42	2.89	0.42
River 1	Reach 1-Upper	154	10YrSCS24Hr	0.27	91.43	91.72	91.64	91.74	0.004085	0.53	0.50	3.11	0.42
River 1	Reach 1-Upper	154	25YrSCS24Hr	0.34	91.43	91.76	91.66	91.77	0.003951	0.57	0.60	3.33	0.43
River 1	Reach 1-Upper	154	50YrSCS24Hr	0.40	91.43	91.78	91.68	91.80	0.003857	0.59	0.68	3.48	0.43
River 1	Reach 1-Upper	154	100YrSCS24Hr	0.47	91.43	91.80	91.69	91.82	0.003775	0.61	0.76	3.63	0.43
River 1	Reach 1-Upper	137	2YrCHI3Hr	0.09	91.33	91.49	91.46	91.51	0.011391	0.63	0.14	1.43	0.65
River 1	Reach 1-Upper	137	5YrCHI3Hr	0.15	91.33	91.53	91.50	91.56	0.011329	0.73	0.20	1.66	0.67
River 1	Reach 1-Upper	137	10YrCHI3Hr	0.20	91.33	91.56	91.52	91.59	0.011021	0.78	0.25	1.80	0.67
River 1	Reach 1-Upper	137	25YrCHI3Hr	0.26	91.33	91.59	91.55	91.63	0.010598	0.84	0.31	1.97	0.67
River 1	Reach 1-Upper	137	50YrCHI3Hr	0.31	91.33	91.62	91.57	91.65	0.010270	0.87	0.36	2.09	0.67
River 1	Reach 1-Upper	137	100YrCHI3Hr	0.37	91.33	91.64	91.58	91.68	0.009885	0.90	0.41	2.22	0.67
River 1	Reach 1-Upper	137	2YrSCS24Hr	0.13	91.33	91.52	91.49	91.55	0.011458	0.71	0.18	1.59	0.67
River 1	Reach 1-Upper	137	5YrSCS24Hr	0.21	91.33	91.57	91.53	91.60	0.010925	0.80	0.26	1.84	0.67
River 1	Reach 1-Upper	137	10YrSCS24Hr	0.27	91.33	91.60	91.55	91.63	0.010544	0.84	0.32	1.99	0.67
River 1	Reach 1-Upper	137	25YrSCS24Hr	0.34	91.33	91.63	91.58	91.67	0.010099	0.89	0.39	2.16	0.67
River 1	Reach 1-Upper	137	50YrSCS24Hr	0.40	91.33	91.65	91.60	91.69	0.009666	0.91	0.44	2.29	0.66
River 1	Reach 1-Upper	137	100YrSCS24Hr	0.47	91.33	91.68	91.61	91.72	0.009370	0.93	0.50	2.42	0.66
River 1	Reach 1-Upper	116	2YrCHI3Hr	0.09	91.23	91.38	91.32	91.39	0.003211	0.37	0.23	2.08	0.35
River 1	Reach 1-Upper	116	5YrCHI3Hr	0.15	91.23	91.44	91.35	91.44	0.002924	0.42	0.35	2.37	0.35
River 1	Reach 1-Upper	116	10YrCHI3Hr	0.20	91.23	91.47	91.37	91.48	0.002866	0.46	0.43	2.54	0.36
River 1	Reach 1-Upper	116	25YrCHI3Hr	0.26	91.23	91.50	91.39	91.52	0.002818	0.49	0.53	2.75	0.36
River 1	Reach 1-Upper	116	50YrCHI3Hr	0.31	91.23	91.53	91.41	91.54	0.002810	0.52	0.60	2.89	0.36
River 1	Reach 1-Upper	116	100YrCHI3Hr	0.37	91.23	91.56	91.42	91.57	0.002815	0.54	0.68	3.03	0.37
River 1	Reach 1-Upper	116	2YrSCS24Hr	0.13	91.23	91.42	91.34	91.43	0.002958	0.41	0.32	2.29	0.35
River 1	Reach 1-Upper	116	5YrSCS24Hr	0.21	91.23	91.48	91.37	91.49	0.002849	0.47	0.45	2.59	0.36
River 1	Reach 1-Upper	116	10YrSCS24Hr	0.27	91.23	91.51	91.39	91.52	0.002820	0.50	0.54	2.77	0.36
River 1	Reach 1-Upper	116	25YrSCS24Hr	0.34	91.23	91.54	91.41	91.56	0.002805	0.53	0.64	2.96	0.37
River 1	Reach 1-Upper	116	50YrSCS24Hr	0.40	91.23	91.58	91.43	91.59	0.002603	0.54	0.74	3.12	0.36
River 1	Reach 1-Upper	116	100YrSCS24Hr	0.47	91.23	91.60	91.45	91.62	0.002583	0.57	0.82	3.24	0.36
River 1	Reach 1-Upper	95	2YrCHI3Hr	0.09	91.07	91.29	91.23	91.30	0.006154	0.52	0.16	1.38	0.48
River 1	Reach 1-Upper	95	5YrCHI3Hr	0.15	91.07	91.33	91.27	91.35	0.006882	0.63	0.24	1.61	0.53
River 1	Reach 1-Upper	95	10YrCHI3Hr	0.20	91.07	91.36	91.30	91.39	0.007544	0.71	0.28	1.73	0.56
River 1	Reach 1-Upper	95	25YrCHI3Hr	0.26	91.07	91.39	91.33	91.42	0.007915	0.77	0.34	1.88	0.58
River 1	Reach 1-Upper	95	50YrCHI3Hr	0.31	91.07	91.41	91.35	91.45	0.008499	0.83	0.37	1.97	0.61
River 1	Reach 1-Upper	95	100YrCHI3Hr	0.37	91.07	91.42	91.37	91.47	0.008857	0.92	0.40	2.03	0.66
River 1	Reach 1-Upper	95	2YrSCS24Hr	0.13	91.07	91.32	91.26	91.34	0.006702	0.60	0.21	1.55	0.52
River 1	Reach 1-Upper	95	5YrSCS24Hr	0.21	91.07	91.37	91.30	91.39	0.007595	0.72	0.29	1.76	0.57
River 1	Reach 1-Upper	95	10YrSCS24Hr	0.27	91.07	91.39	91.33	91.43	0.008212	0.79	0.34	1.88	0.60
River 1	Reach 1-Upper	95	25YrSCS24Hr	0.34	91.07	91.42	91.36	91.46	0.008586	0.86	0.40	2.03	0.62
River 1	Reach 1-Upper	95	50YrSCS24Hr	0.40	91.07	91.39	91.38	91.46	0.020514	1.23	0.33	1.85	0.94
River 1	Reach 1-Upper	95	100YrSCS24Hr	0.47	91.07	91.40	91.40	91.49	0.023191	1.34	0.35	1.90	1.00
River 1	Reach 1-Upper	72	2YrCHI3Hr	0.09	90.91	91.00	91.00	91.03	0.030446	0.75	0.12	1.98	0.99
River 1	Reach 1-Upper	72	5YrCHI3Hr	0.15	90.91	91.03	91.03	91.07	0.029306	0.85	0.18	2.40	1.01
River 1	Reach 1-Upper	72	10YrCHI3Hr	0.20	90.91	91.05	91.05	91.09	0.027108	0.89	0.22	2.63	0.99
River 1	Reach 1-Upper	72	25YrCHI3Hr	0.26	90.91	91.06	91.06	91.11	0.027545	0.98	0.27	2.80	1.02
River 1	Reach 1-Upper	72	50YrCHI3Hr	0.31	90.91	91.08	91.08	91.13	0.025861	1.01	0.31	2.94	1.00
River 1	Reach 1-Upper	72	100YrCHI3Hr	0.37	90.91	91.10	91.09	91.15	0.020926	0.99	0.37	3.11	0.92
River 1	Reach 1-Upper	72	2YrSCS24Hr	0.13	90.91	91.02	91.02	91.06	0.029339	0.82	0.16	2.29	1.00
River 1	Reach 1-Upper	72	5YrSCS24Hr	0.21	90.91	91.05	91.05	91.09	0.027610	0.92	0.23	2.67	1.00
River 1	Reach 1-Upper	72	10YrSCS24Hr	0.27	90.91	91.07	91.07	91.12	0.025875	0.97	0.28	2.84	0.99
River 1	Reach 1-Upper	72	25YrSCS24Hr	0.34	90.91	91.09	91.09	91.14	0.025973	1.05	0.33	2.99	1.01
River 1	Reach 1-Upper	72	50YrSCS24Hr	0.40	90.91	91.16	91.10	91.18	0.007464	0.71	0.56	3.60	0.57
River 1	Reach 1-Upper	72	100YrSCS24Hr	0.47	90.91	91.23	91.11	91.24	0.003199	0.55	0.84	4.09	0.39
River 1	Reach 1-Lower	56	2YrCHI3Hr	0.15	90.47	90.73	90.57	90.74	0.000357	0.19	0.75	10.20	0.13
River 1	Reach 1-Lower	56	5YrCHI3Hr	0.27	90.47	90.84	90.60	90.85	0.000296	0.23	1.14	14.31	0.13
River 1	Reach 1-Lower	56	10YrCHI3Hr	0.36	90.47	90.92	90.62	90.92	0.000278	0.26	1.39	16.93	0.13
River 1	Reach 1-Lower	56	25YrCHI3Hr	0.49	90.47	91.00	90.64	91.01	0.000268	0.29	1.69	19.74	0.13
River 1	Reach 1-Lower	56	50YrCHI3Hr	0.59	90.47	91.06	90.66	91.07	0.000266	0.31	1.90	20.02	0.13
River 1	Reach 1-Lower	56	100YrCHI3Hr	0.70	90.47	91.12	90.68	91.13	0.000265	0.33	2.12	20.02	0.14
River 1	Reach 1-Lower	56	2YrSCS24Hr	0.24	90.47	90.82	90.59	90.82	0.000304	0.22	1.05	13.13	0.13
River 1	Reach 1-Lower	56	5YrSCS24Hr	0.39	90.47	90.94	90.63	90.94	0.000277	0.27	1.48	18.00	0.13
River 1	Reach 1-Lower	56	10YrSCS24Hr	0.51	90.47	91.02	90.65	91.02	0.000267	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	0.000263	0.32	2.04	20.02	0.13
River 1	Reach 1-Lower	56	50YrSCS24Hr	0.78	90.47	91.17	90.69	91.17	0.000262	0.34	2.26	20.02	0.14
River 1	Reach 1-Lower	56	100YrSCS24Hr	0.91	90.47	91.23	90.71	91.24	0.000261	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	0.005051	0.43	0.34	30.28	0.44
River 1	Reach 1-Lower	38	5YrCHI3Hr	0.27	90.46	90.60	90.56	90.62	0.007031	0.60	0.44	34.43	0.54
River 1	Reach 1-Lower	38	10YrCHI3Hr	0.36	90.46	90.61	90.57	90.64	0.008579	0.72	0.50	35.66	0.61
River 1	Reach 1-Lower	38	25YrCHI3Hr	0.49	90.46	90.63	90.60	90.67	0.010583	0.87	0.56	36.52	0.69
River 1	Reach 1-Lower	38	50YrCHI3Hr	0.59	90.46	90.64	90.61	90.69	0.012203	0.98	0.60	36.89	0.75
River 1	Reach 1-Lower	38	100YrCHI3Hr	0.70	90.46	90.66	90.63	90.72	0.013813	1.09	0.65	37.64	0.81
River 1	Reach 1-Lower	38	2YrSCS24Hr	0.24	90.46	90.59	90.55	90.61	0.006467	0.56	0.42	33.58	0.52
River 1	Reach 1-Lower	38	5YrSCS24Hr	0.39	90.46	90.62	90.58	90.65	0.009154	0.76	0.52	36.19	0.63
River 1	Reach 1-Lower	38	10YrSCS24Hr	0.51	90.46	90.63	90.60	90.67	0.010929	0.89	0.57	36.58	0.70
River 1	Reach 1-Lower	38	25YrSCS24Hr	0.66	90.46	90.65	90.63	90.71	0.013171	1.05	0.63	37.34	0.79
River 1	Reach 1-Lower	38	50YrSCS24Hr	0.78	90.46	90.66	90.64	90.73	0.015114	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	0.017482	1.30	0.70	38.43	0.92
River 1	Reach 1-Lower	0	2YrCHI3Hr	0.15	90.42	90.50	90.46	90.50	0.001001	0.13	1.08	18.88	0.18
River 1	Reach 1-Lower	0	5YrCHI3Hr	0.27	90.42	90.53	90.47	90.53	0.001000	0.17	1.59	20.05	0.19
River 1	Reach 1-Lower	0	10YrCHI3Hr	0.36	90.42	90.54	90.48	90.54	0.001000	0.19	1.92	20.28	0.19

HEC-RAS Plan: 20260401-Post_Dev_v03 (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	2.31	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	2.60	20.77	0.20
River 1	Reach 1-Lower	0	100YrCHI3Hr	0.70	90.42	90.59	90.50	90.60	0.001000	0.24	2.93	21.43	0.21
River 1	Reach 1-Lower	0	2YrSCS24Hr	0.24	90.42	90.52	90.46	90.52	0.001000	0.16	1.48	19.96	0.19
River 1	Reach 1-Lower	0	5YrSCS24Hr	0.39	90.42	90.55	90.48	90.55	0.001000	0.19	2.03	20.37	0.20
River 1	Reach 1-Lower	0	10YrSCS24Hr	0.51	90.42	90.57	90.48	90.57	0.001001	0.21	2.37	20.61	0.20
River 1	Reach 1-Lower	0	25YrSCS24Hr	0.66	90.42	90.59	90.49	90.59	0.001000	0.23	2.81	21.18	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