

September 29, 2025

Project Number: 2001(e01)

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Attention: Braden Kaminski, P.Eng

Subject: Tamarack Richmond: Marlborough Creek Preliminary SWM Design

INTRODUCTION

JFSA Canada Inc. (JFSA) has been retained by David Schaeffer Engineering Ltd. (DSEL) to undertake a preliminary stormwater management (SWM) pond sizing analysis for the proposed Tamarack Richmond development in Richmond, Ontario. The site encompasses approximately **60.48 ha**, located south of Ottawa Street and west of Eagleson Road, and will consist primarily of residential units. Under both existing and future conditions, stormwater from the site will discharge to Marlborough Creek, a tributary of the Jock River.

This analysis aims to ensure sufficient space is allocated for the SWM facility within the development lands and to determine the required storage volume and allowable release rates. Additionally, the analysis aims to prevent adverse impacts—specifically flooding and erosion—on the downstream watercourse. This memo outlines the methodology and results used to determine the necessary SWM storage volume to mitigate these potential concerns.

PRE-DEVELOPMENT

Overview

To assess the pre- and post-development peak flows for the site and the broader Marlborough Creek watershed (a tributary of the Jock River), a hydrologic model was developed using SWMHYMO v5.5. This software is widely used across Ontario and Canada for simulating the transformation of rainfall into surface runoff. Hydrologic parameters applicable to this study were calculated and are described in detail in the sections below.

The model encompasses the full extent of the Marlborough Creek watershed (1,205.5 ha), extending from just south of Goodstown Road to its confluence with the Jock River, located just downstream of the village of Richmond. Refer to **Figure A1 in Attachment A** for a complete overview of the study area

Drainage Delineation

LiDAR data acquired from Land Information Ontario (LIO) was used to support watershed delineation for this study. The LiDAR was flown during 2019–2020 at a 0.5 m resolution, providing high-quality topographic information across the study area. Using this data, watersheds were delineated using JFSA's in-house GIS-based delineation software, which accounts for culverts and major crossings to ensure accurate representation of flow paths and drainage boundaries. **Figure A1 in Attachment A** provides a visual overview of the existing drainage areas within the study area.

Land Use

Land use information has been acquired from Land Information Ontario's (LIO) SOLRIS Southern Ontario Land Resource Information System 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. The LIO data was reviewed with background aerial imagery (Google) to ensure an accurate representation of the various land uses.

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. It is recommended instead 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 Abstraction Ratio paper, and applied to the hydrologic model.

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

Table A2 in Attachment A provides a full summary of the CN/CN* calculations for each of the subcatchments.

Time to Peak (t_p)

For natural areas within the study area, the time-to-peak values for each of the subcatchments have 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 A4 in Attachment A** 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 most appropriate for calculating the Time-to-Peak. Full details of these calculations have been provided in **Table A3 in Attachment A**, along with other time-to-peak values using alternative t_p calculation methods.

Channel Routing

Channel routing has been incorporated throughout the Marlborough Creek watershed using detailed topographic data derived from LiDAR. This high-resolution elevation data enabled precise delineation of flow paths and identification of key confluence points. To represent the natural flow dynamics within the watercourse, nodes were added to the hydrologic model at strategic locations where tributary flows converge along Marlborough Creek.

Figure A4 in Attachment A illustrates the major flow paths within the study area, which were used to support channel routing and time-to-peak calculations for each subcatchment. Cross-sections extracted from the digital terrain model (DTM) were applied in the SWMHYMO model using ROUTE CHANNEL commands to simulate flow movement through the channel network.

Design Storm Simulations

The hydrologic model was assessed using a comprehensive suite of design storms to evaluate the potential downstream impacts across a range of rainfall intensities and durations. The 3Hr Chicago and 24Hr SCS storms per the City of Ottawa Design Guidelines were applied to this model. Model parameters for these lands were applied in accordance with the City of Ottawa Design Guidelines and typical model parameters per the SWMHYMO Manual and are outlined below in **Table 1**. Note that a 2- 100-year 10 Day snow melt scenario was also assessed for this watershed but based on this analysis it was determined that this event is not the critical condition for SWM pond sizing.

Continuous Simulations

Both the existing and proposed conditions hydrologic models have been converted into continuous simulation models to assess and quantify the potential erosion impacts that the proposed development may have on the greater watercourse on a long-term basis. To convert the design storm models, additional simulation parameters have been added to each of the subcatchments, which are outlined below in **Tables 1 & 2**.

The existing and proposed continuous models were then run for 47 years (1967 - 2016) using hourly rainfall data from the Ottawa International Airport. The hourly rainfall data used in this analysis is a heavily reviewed and vetted product sold by Environment Canada. Note that this product only includes rainfall data and does not include any snowfall that occurred during this window. Additionally, for some years, the gauge was only operational for partial durations throughout the year, and not operational at all for the years 2001, 2005 and 2011. Nonetheless, both the existing and proposed condition models were run over the same period. Existing and proposed hydrographs were extracted from the model and provided at the critical erosion locations determined by Geo Morphix as a part of their erosion analysis for the site. Refer to Geo Morphix September 2025 report for this site for additional details regarding the erosion analysis and impacts due to the development.

Pre-Development Hydrologic Parameters

As the majority of the study area under existing conditions is predominately agricultural land or wooded land, only NASHYD commands have been used in the model as this command is best at representing the hydrology of natural lands. The following table outlines the parameters assumed in this hydrologic model.

Table 1: Natural Area (NASHYD) Hydrologic Parameter Summary

Parameters	Description
Design Storm Parameters	
AREA	As per Figure A1 and based on DTM
CN*	Values were derived using land cover and soil information from Land Information Ontario (LIO) as well as from imagery from Google Earth. Refer to Table A2 in Attachment A .
N	The number of linear reservoirs used in the computation for the Nash unit hydrograph. The typical value for southern Ontario is N=3. (Included in default value file)
Tp	Is the time to peak of the Nash unit hydrograph, set to 2/3 x time of concentration (Tc). Tc is calculated using the Federal Aviation Administration (FAA) formula. Refer to Table A3 in Attachment A for additional information.
IA	Initial Abstraction (wetting losses) set to 4.67 mm reflecting the default value per the City of Ottawa Sewer Design Guidelines. (Included in default value file).
Continuous Parameters	
IaRECper= 24 hours	Is the recovery time of Ia. During periods of no rain, the initial value of Ia will be replenished linearly to its original value over the given IaRECper period.
SMIN= -1, SMAX = -1	Is the 'S' value obtained, internally, from the AMC_III and AMC_I of the entered CN value.
SK = 0.1 / mm	Is typically a calibrating coefficient which increases in value with a decrease in infiltration rates. Typical values have been known to vary between 0.01 and 0.30. From experience in other projects, a value of 0.1 / mm was selected.
InterEventTime = 24 hours	Is the continuous dry time that is required to occur to define one storm event from another. When the cumulative dry time between rainfall increments exceeds the given value of InterEventTime, the runoff computations will treat the next rainfall increments as a new event. This is necessary when the SCS Procedure is used to calculate the runoff.
InitGWResVol = 0 mm	Is the initial groundwater reservoir volume over the catchment area.
GWResk = 0.95 mm/day/mm	Is the groundwater reservoir depletion constant which controls how quickly the stored groundwater is released back to the receiving system.
VhydCond = 0.1 mm/hr	Is the vertical hydraulic conductivity (or infiltration rate) of the soils that make up the groundwater reservoir. Any water loss through this mechanism does not return to the receiving system.

POST-DEVELOPMENT

Under post-development conditions, approximately **60.48 ha** of land with **65% imperviousness** will be directed to a single stormwater management (SWM) facility within the site. The exact location and configuration of this facility will be finalized during detailed design. In addition to the development lands, approximately **88.23 ha** of external drainage areas (EXT 1 to EXT 5) will also be conveyed through the site to the same SWM pond.

For modeling purposes, the development lands were represented as a single lumped subcatchment using the **STANDHYD** command in SWMHYMO, with default design parameters per the City of Ottawa guidelines. The SWM facility was modeled using a single **ROUTE RESERVOIR** command. **Figure B1 in Attachment B** provides an overview of the post-development model configuration.

The SWM facility was iteratively sized for all design storm events to ensure that post-development peak flows downstream of the site remain at or below pre-development levels. Due to the site's location within the broader watershed, matching peak flows to Marlborough Creek alone was insufficient, as the SWM pond alters the timing of peak flows. Therefore, **Node J12**, located approximately **300 m downstream** of the site along Marlborough Creek, was selected as the critical point for sizing the SWM facility. This pond sizing also incorporates water quality treatment volumes in accordance with **MECP Guidelines**, assumed to be released over 48 hours.

Post-Development Hydrologic Parameters

Under post-development conditions, the development site has been represented as a STANDHYD, as this command is best at representing the hydrology of urban lands. The following table outlines the parameters assumed in this hydrologic model. Note that all lands outside of the Development area remain unchanged from the existing conditions model.

Table 2: Developed Area (STANDHYD) Hydrologic Parameter Summary

Parameters	Description
Design Storm Parameters	
TIMP	Is the total imperviousness area, expressed as a ratio. TIMP is as provided by Civil Designer.
XIMP = TIMP-0.10	Is the directly connected impervious area, expressed as a ratio. To account for disconnected roof runoff, the XIMP values were set to 10% less than the selected TIMP values.
Horton's Infiltration	Per City of Ottawa Design Guidelines – Fo=[76.2] (mm/hr), Fc=[13.2](mm/hr), DCAY=[4.14](/hr), F=[0.00](mm),
IAPER and IAIMP	Are the initial abstraction values for pervious and impervious surfaces; IAPER=4.67 mm and IAIMP=1.57 mm in accordance City Design Guidelines
SLPP and SLPI	Are the average surface slopes for the pervious and impervious surfaces. These were both set to 2.0%.
LGP and LGI	Are the average surface lengths for the pervious and impervious surfaces. The LGP was set to the default value of 40 m and LGI was calculated based on (Total Area/1.5) ^{0.5} .
MNP and MNI	Are the Manning's roughness values for the pervious and impervious surfaces. Both were set to City default values; MNP=0.25 and MNI=0.013.

Continuous Parameters	
laRECper = 24 Hrs	Is the recovery time of Ia for pervious Areas. During periods of no rain, the initial value of Ia will be replenished linearly to its original value over the given laRECper period.
laRECimp = 10 Hrs	Is the recovery time of Ia for impervious Areas. During periods of no rain, the initial value of Ia will be replenished linearly to its original value over the given laRECimp period.
InterEventTime = 24 hours	Is the continuous dry time that is required to occur to define one storm event from another. When the cumulative dry time between rainfall increments exceeds the given value of InterEventTime, the runoff computations will treat the next rainfall increments as a new event. This is necessary when the SCS Procedure is used to calculate the runoff.

Full copies of the SWMHYMO modelling input and summary files for proposed conditions have been provided in **Attachment B**.

RESULTS

Required Storage Volume & Release Rates

Table 3 below outlines the peak inflows required storage volumes and allowable release rates from the development site to achieve the peak flows outlined in **Table 4** below. These results will assist in the future detailed design of the SWM facility within the development site. From this analysis, it was determined that the development lands will need to provide at least **32,160 m³** of storage volume within the SWM pond to ensure peak flows from the development are attenuated to pre-development conditions.

Table 3: SWM Pond - Peak Inflow / Outflow & Required Storage Volume

Event	Peak Inflow (m ³ /s)	Peak Outflow (m ³ /s)	Required Storage Volume (m ³)
25mmCHI4Hr	4.597	0.140	9,056
2YRCHI3Hr	6.233	0.240	12,220
5YRCHI3Hr	9.313	0.487	17,110
10YRCHI3Hr	11.464	0.713	20,070
25YRCHI3Hr	14.52	1.101	23,320
50YRCHI3Hr	16.871	1.430	25,430
100YRCHI3Hr	19.376	1.807	27,680
2YRSCS24Hr	5.501	0.386	15,790
5YRSCS24Hr	8.382	0.772	20,840
10YRSCS24Hr	10.22	1.135	23,570
25YRSCS24Hr	12.587	1.656	26,850
50YRSCS24Hr	14.468	2.143	29,510
100YRSCS24Hr	16.314	2.896	32,160

Downstream Peak Flows

Table 4 below outlines the peak flows downstream of the site at Junction J12. As shown in this table, the post-development peak flows are equal to or less than pre-development conditions for all design events.

Table 4: Pre- & Post-Development Peak Flows Downstream on Marlborough Creek
(Node: J12 - 566.50 ha)

Event	Pre Dev (m ³ /s)	Post Dev (m ³ /s)	Difference (m ³ /s)
25mmCHI4Hr	0.385	0.385	0.000
2YRCHI3Hr	0.762	0.761	-0.001
5YRCHI3Hr	1.575	1.526	-0.049
10YRCHI3Hr	2.255	2.196	-0.059
25YRCHI3Hr	3.213	3.108	-0.105
50YRCHI3Hr	4.038	3.893	-0.145
100YRCHI3Hr	4.957	4.780	-0.177
2YRSCS24Hr	1.373	1.373	0.000
5YRSCS24Hr	2.583	2.583	0.000
10YRSCS24Hr	3.518	3.507	-0.011
25YRSCS24Hr	4.81	4.762	-0.048
50YRSCS24Hr	5.912	5.823	-0.089
100YRSCS24Hr	7.158	6.982	-0.176

CONCLUSION

This preliminary stormwater management (SWM) analysis has evaluated the hydrologic impacts of the proposed Tamarack Richmond development on the Marlborough Creek watershed. Using SWMHYMO v5.5 and high-resolution LiDAR data, both pre- and post-development conditions were modeled to assess peak flows, storage requirements, and erosion potential.

Under post-development conditions, runoff from approximately **60.48 ha** of residential land and **88.23 ha** of external drainage areas will be conveyed to a single SWM facility. The facility has been sized to attenuate peak flows to pre-development levels at a critical downstream location (Node J12), ensuring compliance with City of Ottawa and MECP guidelines.

To assess long-term erosion impacts, both the existing and proposed hydrologic models were converted into continuous simulation models and run over a 47-year period (1967–2016) using hourly rainfall data from the Ottawa International Airport. This analysis allowed for a detailed comparison of hydrographs at critical erosion locations identified by Geo Morphix, ensuring that the proposed SWM facility effectively mitigates erosion risks over time

The analysis confirms that the proposed SWM pond will need to provide at least **32,160 m³** of storage volume to maintains downstream peak flows at or below existing conditions for all design storm events and mitigate erosion concern.

Yours truly,
JFSA Canada Inc.

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Tables

Table 1:	Natural Area (NASHYD) Hydrologic Parameter Summary
Table 2:	Developed Area (STANDHYD) Hydrologic Parameter Summary
Table 3:	SWM Pond – Peak Inflow / Outflow & Required Storage Volume
Table 4:	Pre- & Post-Development Peak Flows Downstream on Marlborough Creek (Node J12 – 566.50 ha)

Attachments

Attachment A:	Pre Development
Attachment B:	Post Development

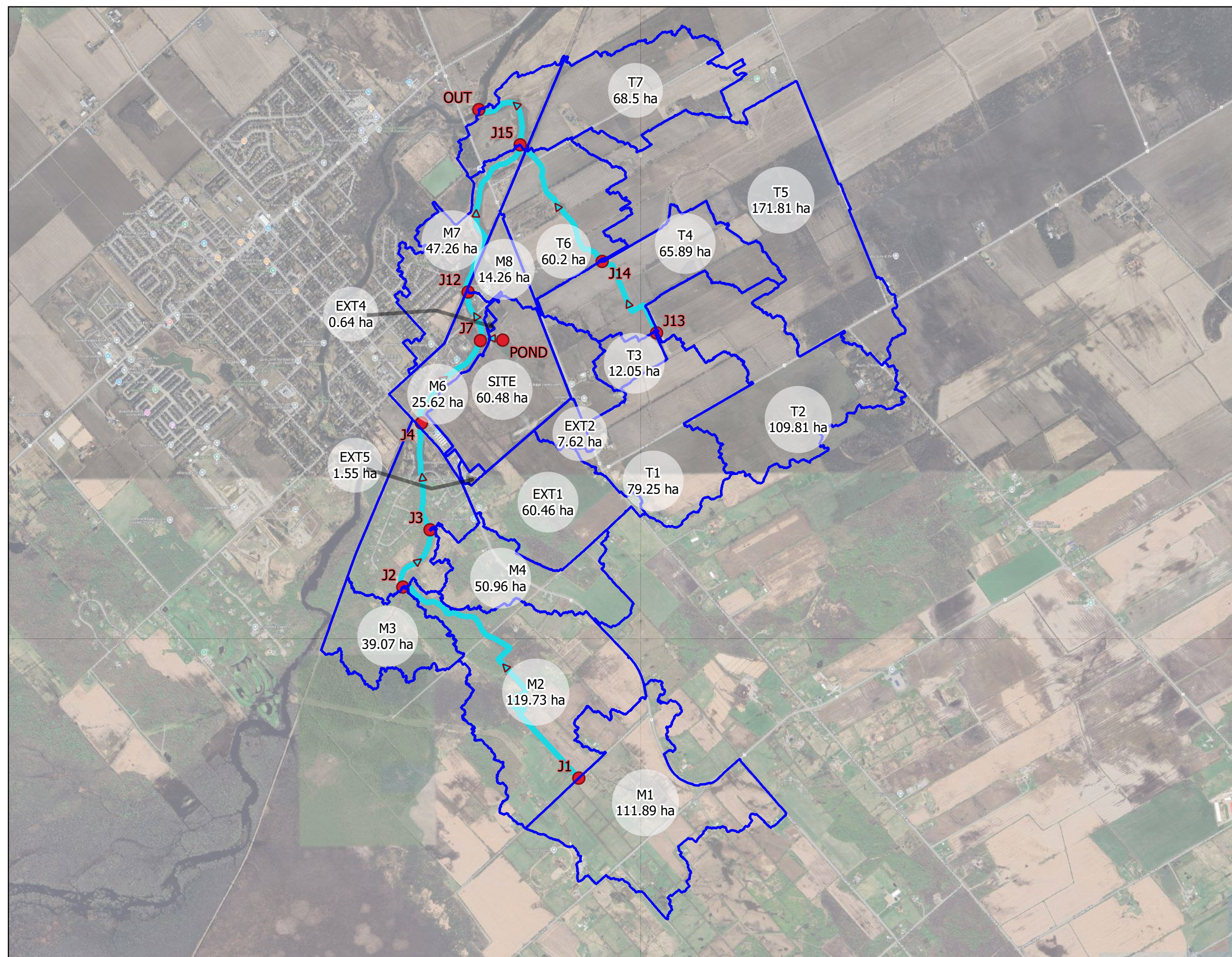


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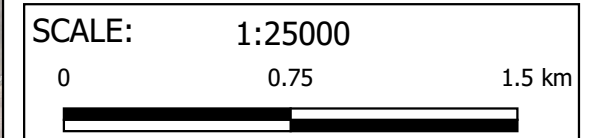
Attachment A

Pre Development



Legend

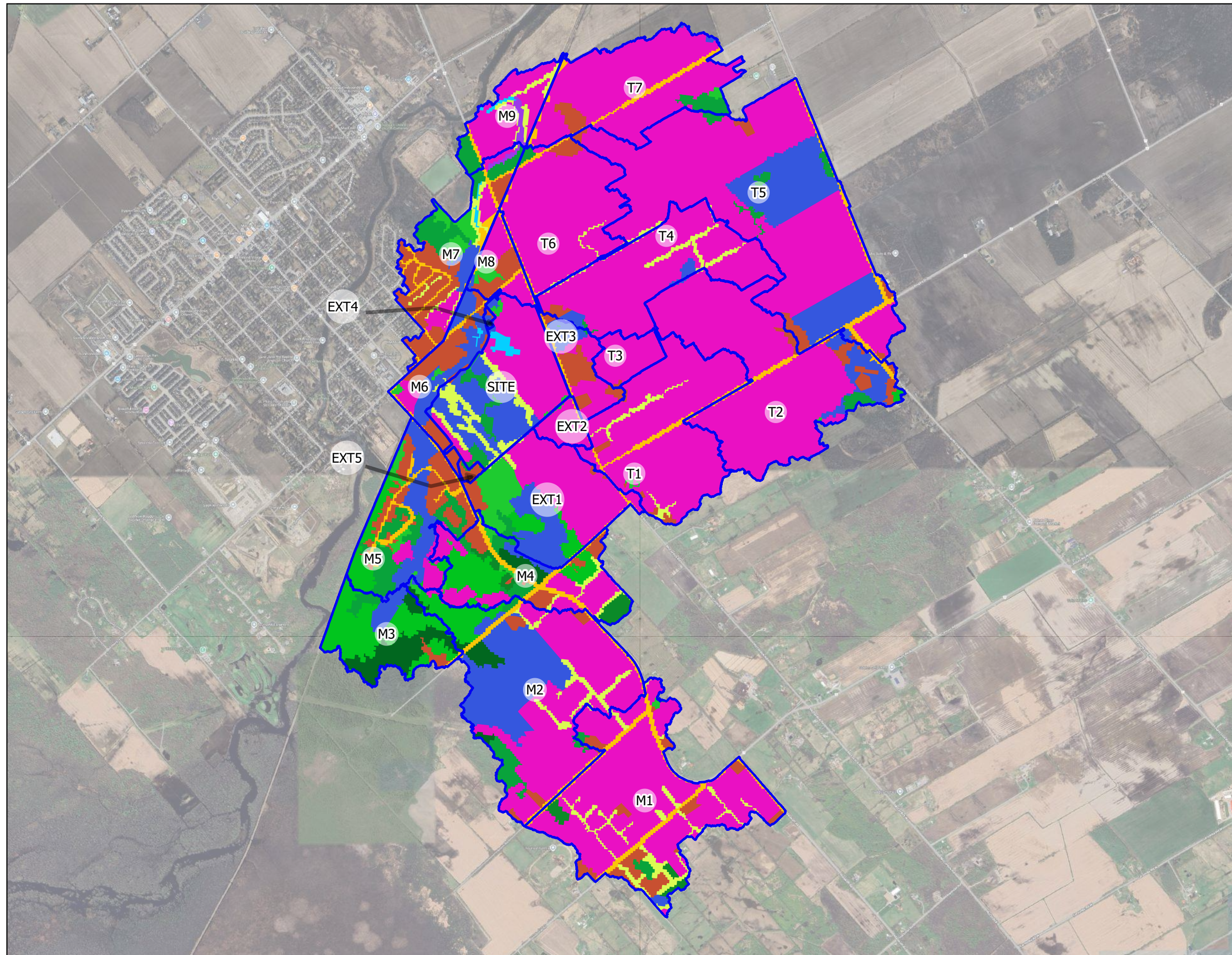
- Subcatchments
[Name]
[Area]
- Junctions
- ▶ Main Channel



Tamarack Richmond
Malborough creek

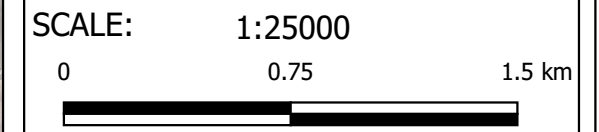
Figure A1: Pre-development Drainage Areas

PROJECT	2001(e01)
DRAWN	OS
DATE	29-09-2025



Legend

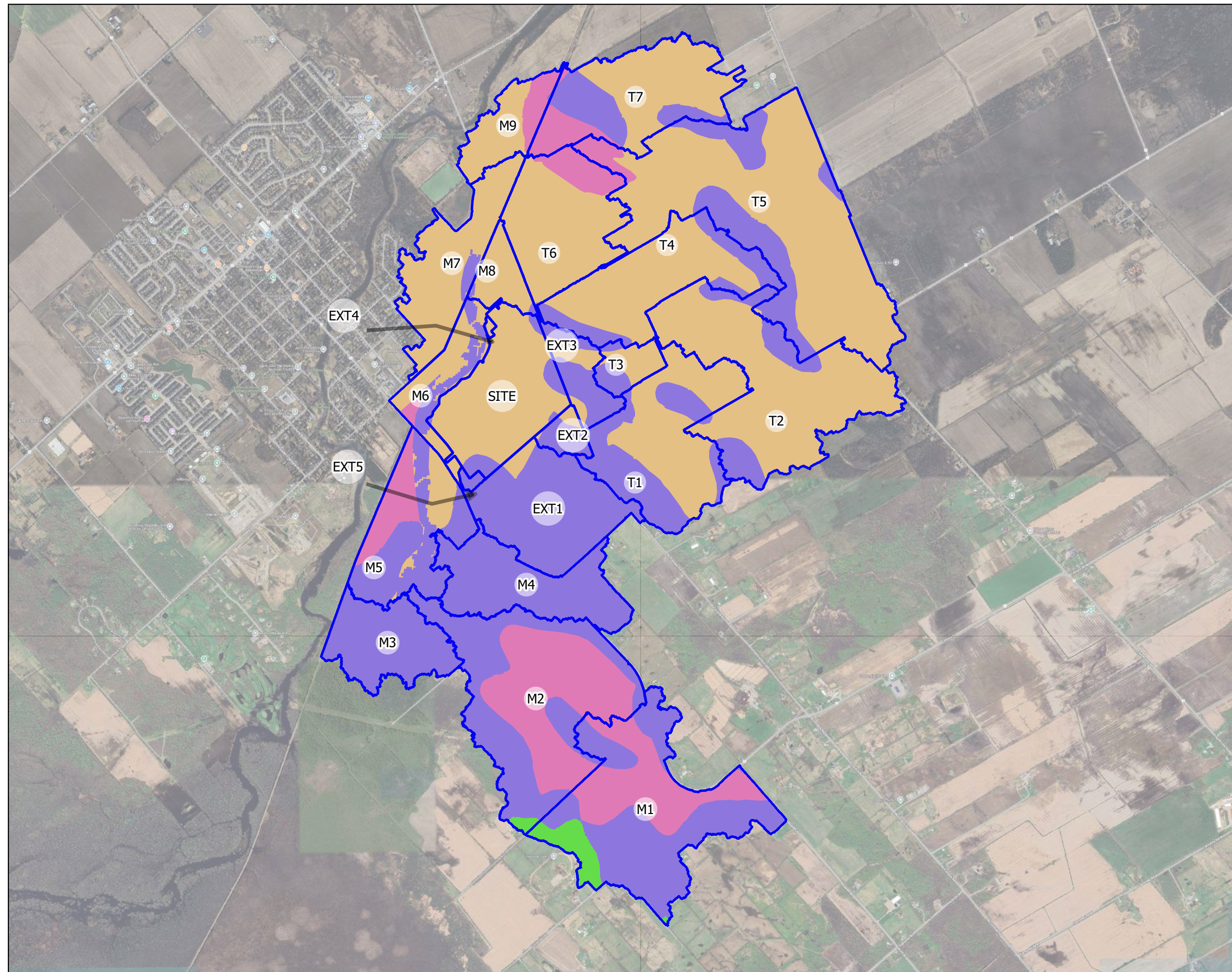
- Subcatchments
[Name]
- Land Use**
- Built Up Area - Impervious
- Built Up Area - Pervious
- Coniferous Forest
- Deciduous Forest
- Forest
- Hedge Rows
- Marsh
- Mixed Forest
- Open Water
- Plantation
- Tilled
- Transportation
- Treed Swamp



Tamarack Richmond
Malborough creek

Figure A2: Pre-development Land Use

PROJECT	2001(e01)
DRAWN	OS
DATE	29-09-2025



Legend

Subcatchments
[Name]

Soil Type

- A
- B
- C
- D



SCALE: 1:25000

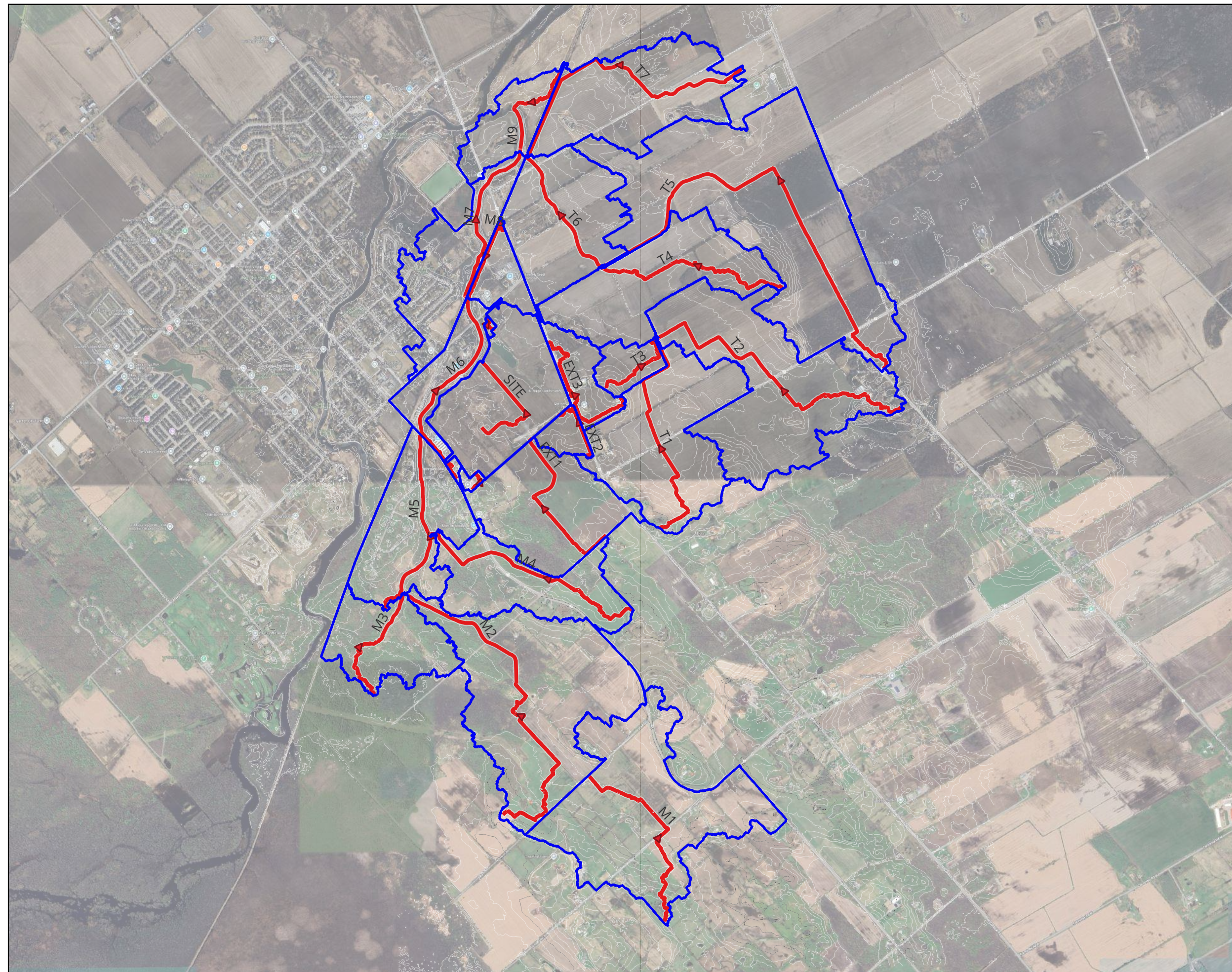
0 0.75 1.5 km






Tamarack Richmond
Malborough creek

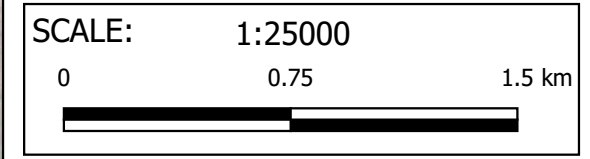
Figure A3: Pre-development Soils

PROJECT	2001(e01)
DRAWN	OS
DATE	29-09-2025



Legend

-  Flow Paths
-  Subcatchments
-  LiDAR
1 m



Tamarack Richmond
Malborough creek

Figure A4: Pre-development Flow Paths

PROJECT	2001(e01)
DRAWN	OS
DATE	29-09-2025

Table A1 -Land Use & Soil Type Summary

Name	Subcatchment Area (ha)	Unit Area (ha)	Land Use	Soil Name	Soil Type	Hydro Cond	CN	CN x Area
EXT1	60.46	1.541	Transportation	FARMINGTON	B	Fair	98	2.5
EXT1	60.46	2.181	Tilled	NORTH GOWER	D	Fair	84	3.0
EXT1	60.46	2.265	Built Up Area - Pervious	FARMINGTON	B	Fair	69	2.6
EXT1	60.46	0.047	Treed Swamp	NORTH GOWER	D	Fair	50	0.0
EXT1	60.46	4.981	Mixed Forest	FARMINGTON	B	Fair	60	4.9
EXT1	60.46	9.137	Forest	FARMINGTON	B	Fair	60	9.1
EXT1	60.46	0.084	Hedge Rows	FARMINGTON	B	Fair	56	0.1
EXT1	60.46	27.292	Tilled	GRENVILLE	B	Fair	69	31.1
EXT1	60.46	1.042	Deciduous Forest	FARMINGTON	B	Fair	60	1.0
EXT1	60.46	11.494	Treed Swamp	FARMINGTON	B	Fair	50	9.5
EXT1	60.46	0.001	Forest	NORTH GOWER	D	Fair	79	0.0
EXT1	60.46	0.395	Hedge Rows	NORTH GOWER	D	Fair	77	0.5
EXT2	7.616	1.27	Tilled	NORTH GOWER	D	Fair	84	14.0
EXT2	7.616	0.25	Transportation	GRENVILLE	B	Fair	98	3.2
EXT2	7.616	0.026	Treed Swamp	NORTH GOWER	D	Fair	50	0.2
EXT2	7.616	5.704	Tilled	GRENVILLE	B	Fair	69	51.7
EXT2	7.616	0.057	Forest	GRENVILLE	B	Fair	60	0.4
EXT2	7.616	0.21	Transportation	NORTH GOWER	D	Fair	98	2.7
EXT2	7.616	0.1	Forest	NORTH GOWER	D	Fair	79	1.0
EXT3	17.956	0.912	Transportation	GRENVILLE	B	Fair	98	5.0
EXT3	17.956	1.386	Treed Swamp	BRANDON	D	Fair	50	3.9
EXT3	17.956	5.183	Tilled	GRENVILLE	B	Fair	69	19.9
EXT3	17.956	4.811	Built Up Area - Pervious	GRENVILLE	B	Fair	69	18.5
EXT3	17.956	0.589	Transportation	BRANDON	D	Fair	98	3.2
EXT3	17.956	0.193	Deciduous Forest	GRENVILLE	B	Fair	60	0.6
EXT3	17.956	1.812	Treed Swamp	GRENVILLE	B	Fair	50	5.0
EXT3	17.956	2.371	Tilled	BRANDON	D	Fair	84	11.1
EXT3	17.956	0.689	Built Up Area - Pervious	NORTH GOWER	D	Fair	84	3.2
EXT3	17.956	0.01	Forest	NORTH GOWER	D	Fair	79	0.0
EXT4	0.643	0.367	Treed Swamp	NORTH GOWER	D	Fair	50	28.5
EXT4	0.643	0.047	Treed Swamp	ERODED CHANNEL	B	Fair	50	3.7
EXT4	0.643	0.223	Built Up Area - Pervious	ERODED CHANNEL	D	Fair	84	29.1
EXT4	0.643	0.006	Forest	NORTH GOWER	D	Fair	79	0.7
EXT5	1.547	0.003	Tilled	FARMINGTON	B	Fair	69	0.1
EXT5	1.547	1.324	Built Up Area - Pervious	FARMINGTON	B	Fair	69	59.1
EXT5	1.547	0.014	Forest	FARMINGTON	B	Fair	60	0.5
EXT5	1.547	0.173	Deciduous Forest	FARMINGTON	B	Fair	60	6.7
EXT5	1.547	0.032	Built Up Area - Pervious	NORTH GOWER	D	Fair	84	1.7
M1	111.885	2.645	Plantation	GRENVILLE	B	Fair	60	1.4
M1	111.885	35.075	Tilled	MACDONALD	C	Fair	79	24.8
M1	111.885	2.159	Transportation	MACDONALD	C	Fair	98	1.9
M1	111.885	8.34	Built Up Area - Pervious	GRENVILLE	B	Fair	69	5.1
M1	111.885	1.447	Deciduous Forest	GRENVILLE	B	Fair	60	0.8
M1	111.885	1.468	Hedge Rows	MACDONALD	C	Fair	70	0.9
M1	111.885	0.78	Built Up Area - Pervious	MACDONALD	C	Fair	79	0.6
M1	111.885	8.001	Tilled	OKA	A	Fair	49	3.5
M1	111.885	7.798	Hedge Rows	GRENVILLE	B	Fair	56	3.9
M1	111.885	0.221	Transportation	OKA	A	Fair	98	0.2
M1	111.885	0.37	Forest	GRENVILLE	B	Fair	60	0.2
M1	111.885	0.031	Built Up Area - Pervious	NORTH GOWER - SHALLOW PHASE	D	Fair	84	0.0
M1	111.885	0.318	Plantation	OKA	A	Fair	36	0.1
M1	111.885	0.561	Treed Swamp	GRENVILLE	B	Fair	50	0.3
M1	111.885	38.3	Tilled	GRENVILLE	B	Fair	69	23.6
M1	111.885	3.285	Transportation	GRENVILLE	B	Fair	98	2.9
M1	111.885	0.157	Hedge Rows	OKA	A	Fair	35	0.0
M1	111.885	0.928	Built Up Area - Pervious	OKA	A	Fair	49	0.4
M2	119.733	22.272	Treed Swamp	MACDONALD	C	Fair	50	9.3
M2	119.733	35.366	Tilled	MACDONALD	C	Fair	79	23.3
M2	119.733	0.002	Forest	ERODED CHANNEL	D	Fair	79	0.0
M2	119.733	0.353	Transportation	MACDONALD	C	Fair	98	0.3
M2	119.733	1.8	Built Up Area - Pervious	FARMINGTON	B	Fair	69	1.0
M2	119.733	5.695	Deciduous Forest	GRENVILLE	B	Fair	60	2.9
M2	119.733	2.779	Hedge Rows	MACDONALD	C	Fair	70	1.6
M2	119.733	0.874	Built Up Area - Pervious	MACDONALD	C	Fair	79	0.6
M2	119.733	0.07	Deciduous Forest	MACDONALD	C	Fair	73	0.0
M2	119.733	4.499	Coniferous Forest	FARMINGTON	B	Fair	60	2.3
M2	119.733	8.093	Mixed Forest	FARMINGTON	B	Fair	60	4.1
M2	119.733	0.999	Tilled	OKA	A	Fair	49	0.4
M2	119.733	1.476	Hedge Rows	FARMINGTON	B	Fair	56	0.7
M2	119.733	0.178	Transportation	OKA	A	Fair	98	0.1
M2	119.733	0.361	Forest	FARMINGTON	B	Fair	60	0.2

Table A1 - Land Use & Soil Type Summary

Name	Subcatchment Area (ha)	Unit Area (ha)	Land Use	Soil Name	Soil Type	Hydro Cond	CN	CN x Area
M2	119.733	0.039	Coniferous Forest	MACDONALD	C	Fair	73	0.0
M2	119.733	11.929	Treed Swamp	ERODED CHANNEL	B	Fair	50	5.0
M2	119.733	20.169	Tilled	GRENVILLE	B	Fair	69	11.6
M2	119.733	2.465	Transportation	FARMINGTON	B	Fair	98	2.0
M2	119.733	0.011	Hedge Rows	OKA	A	Fair	35	0.0
M2	119.733	0.3	Built Up Area - Pervious	OKA	A	Fair	49	0.1
M3	39.07	1.519	Built Up Area - Pervious	FARMINGTON	B	Fair	69	2.7
M3	39.07	1.939	Deciduous Forest	FARMINGTON	B	Fair	60	3.0
M3	39.07	12.483	Coniferous Forest	FARMINGTON	B	Fair	60	19.2
M3	39.07	19.617	Mixed Forest	FARMINGTON	B	Fair	60	30.1
M3	39.07	0.024	Deciduous Forest	ERODED CHANNEL	D	Fair	79	0.0
M3	39.07	3.306	Treed Swamp	ERODED CHANNEL	B	Fair	50	4.2
M3	39.07	0.181	Transportation	FARMINGTON	B	Fair	98	0.5
M4	50.96	5.036	Plantation	FARMINGTON	B	Fair	60	5.9
M4	50.96	5.934	Built Up Area - Pervious	MATILDA	B	Fair	69	8.0
M4	50.96	0.023	Tilled	ERODED CHANNEL	D	Fair	84	0.0
M4	50.96	3.365	Deciduous Forest	FARMINGTON	B	Fair	60	4.0
M4	50.96	3.223	Coniferous Forest	FARMINGTON	B	Fair	60	3.8
M4	50.96	12.006	Mixed Forest	FARMINGTON	B	Fair	60	14.1
M4	50.96	2.114	Hedge Rows	FARMINGTON	B	Fair	56	2.3
M4	50.96	1.461	Forest	FARMINGTON	B	Fair	60	1.7
M4	50.96	0.006	Deciduous Forest	ERODED CHANNEL	D	Fair	79	0.0
M4	50.96	1.184	Treed Swamp	ERODED CHANNEL	B	Fair	50	1.2
M4	50.96	13.295	Tilled	GRENVILLE	B	Fair	69	18.0
M4	50.96	3.314	Transportation	FARMINGTON	B	Fair	98	6.4
M5	56.258	2.116	Treed Swamp	OSGOODE	C	Fair	50	1.9
M5	56.258	0.026	Forest	ERODED CHANNEL	D	Fair	79	0.0
M5	56.258	1.919	Transportation	OSGOODE	C	Fair	98	3.3
M5	56.258	4.319	Built Up Area - Pervious	FARMINGTON	B	Fair	69	5.3
M5	56.258	0.74	Tilled	ERODED CHANNEL	D	Fair	84	1.1
M5	56.258	8.543	Deciduous Forest	FARMINGTON	B	Fair	60	9.1
M5	56.258	0.757	Treed Swamp	NORTH GOWER	D	Fair	50	0.7
M5	56.258	1.757	Transportation	ERODED CHANNEL	D	Fair	98	3.1
M5	56.258	4.732	Built Up Area - Pervious	OSGOODE	C	Fair	79	6.6
M5	56.258	1.091	Deciduous Forest	OSGOODE	C	Fair	73	1.4
M5	56.258	4.354	Mixed Forest	FARMINGTON	B	Fair	60	4.6
M5	56.258	1.091	Forest	FARMINGTON	B	Fair	60	1.2
M5	56.258	5.072	Built Up Area - Pervious	ERODED CHANNEL	D	Fair	84	7.6
M5	56.258	1.073	Deciduous Forest	NORTH GOWER	D	Fair	79	1.5
M5	56.258	9.838	Treed Swamp	ERODED CHANNEL	B	Fair	50	8.7
M5	56.258	2.91	Mixed Forest	OSGOODE	C	Fair	73	3.8
M5	56.258	3.167	Tilled	FARMINGTON	B	Fair	69	3.9
M5	56.258	1.082	Forest	OSGOODE	C	Fair	73	1.4
M5	56.258	1.667	Transportation	FARMINGTON	B	Fair	98	2.9
M6	25.623	0.406	Open Water	ERODED CHANNEL	D	Fair	98	1.6
M6	25.623	1.474	Tilled	OSGOODE	C	Fair	79	4.5
M6	25.623	0.892	Forest	NOT MAPPED	D	Fair	79	2.8
M6	25.623	0.298	Hedge Rows	ERODED CHANNEL	D	Fair	77	0.9
M6	25.623	0.096	Built Up Area - Pervious	FARMINGTON	B	Fair	69	0.3
M6	25.623	0.158	Transportation	OSGOODE	C	Fair	98	0.6
M6	25.623	0.922	Tilled	NORTH GOWER	D	Fair	84	3.0
M6	25.623	1.922	Treed Swamp	NORTH GOWER	D	Fair	50	3.8
M6	25.623	1.934	Transportation	NOT MAPPED	D	Fair	98	7.4
M6	25.623	0.034	Built Up Area - Pervious	OSGOODE	C	Fair	79	0.1
M6	25.623	10.426	Built Up Area - Pervious	ERODED CHANNEL	D	Fair	84	34.2
M6	25.623	7.013	Treed Swamp	ERODED CHANNEL	B	Fair	50	13.7
M6	25.623	0.047	Transportation	FARMINGTON	B	Fair	98	0.2
M7	47.255	0.654	Open Water	ERODED CHANNEL	D	Fair	98	1.4
M7	47.255	5.109	Forest	NOT MAPPED	D	Fair	79	8.5
M7	47.255	3.703	Hedge Rows	NOT MAPPED	D	Fair	77	6.0
M7	47.255	5.851	Tilled	DALHOUSIE	D	Fair	84	10.4
M7	47.255	0.875	Treed Swamp	NORTH GOWER	D	Fair	50	0.9
M7	47.255	0.709	Marsh	DALHOUSIE	D	Fair	50	0.8
M7	47.255	6.773	Transportation	NOT MAPPED	D	Fair	98	14.0
M7	47.255	14.873	Built Up Area - Pervious	NORTH GOWER	D	Fair	84	26.4
M7	47.255	1.909	Treed Swamp	ERODED CHANNEL	B	Fair	50	2.0
M7	47.255	6.797	Deciduous Forest	NORTH GOWER	D	Fair	79	11.4
M8	14.262	1.991	Forest	NORTH GOWER	D	Fair	79	11.0
M8	14.262	6.44	Tilled	DALHOUSIE	D	Fair	84	37.9
M8	14.262	1.52	Transportation	ERODED CHANNEL	D	Fair	98	10.4
M8	14.262	3.753	Built Up Area - Pervious	ERODED CHANNEL	D	Fair	84	22.1

Table A1 - Land Use & Soil Type Summary

Name	Subcatchment Area (ha)	Unit Area (ha)	Land Use	Soil Name	Soil Type	Hydro Cond	CN	CN x Area
M8	14.262	0.218	Treed Swamp	ERODED CHANNEL	B	Fair	50	0.8
M8	14.262	0.234	Tilled	GRENVILLE	B	Fair	69	1.1
M8	14.262	0.107	Transportation	GRENVILLE	B	Fair	98	0.7
M9	24.236	0.743	Open Water	ERODED CHANNEL	D	Fair	98	3.0
M9	24.236	5.109	Tilled	CASTOR	C	Fair	79	16.7
M9	24.236	0.219	Marsh	CASTOR	C	Fair	50	0.5
M9	24.236	0.004	Transportation	ERODED CHANNEL	D	Fair	98	0.0
M9	24.236	1.178	Hedge Rows	BRANDON	D	Fair	77	3.7
M9	24.236	11.376	Tilled	BRANDON	D	Fair	84	39.4
M9	24.236	1.456	Hedge Rows	CASTOR	C	Fair	70	4.2
M9	24.236	0.953	Marsh	WATER	D	Fair	50	2.0
M9	24.236	0.6	Transportation	NOT MAPPED	D	Fair	98	2.4
M9	24.236	0.059	Hedge Rows	CHATEAUGUAY - MARL PHASE	B	Fair	56	0.1
M9	24.236	2.494	Deciduous Forest	BRANDON	D	Fair	79	8.1
M9	24.236	0.042	Transportation	CHATEAUGUAY - MARL PHASE	B	Fair	98	0.2
SITE	60.482	1.549	Deciduous Forest	FARMINGTON	B	Fair	60	1.5
SITE	60.482	0.703	Treed Swamp	ERODED CHANNEL	B	Fair	50	0.6
SITE	60.482	23.448	Tilled	NORTH GOWER	D	Fair	84	32.6
SITE	60.482	0.053	Built Up Area - Pervious	FARMINGTON	B	Fair	69	0.1
SITE	60.482	0.297	Hedge Rows	FARMINGTON	B	Fair	56	0.3
SITE	60.482	1.53	Open Water	NORTH GOWER	D	Fair	98	2.5
SITE	60.482	0.12	Forest	GRENVILLE	B	Fair	60	0.1
SITE	60.482	0.013	Transportation	NORTH GOWER	D	Fair	98	0.0
SITE	60.482	3.371	Deciduous Forest	NORTH GOWER	D	Fair	79	4.4
SITE	60.482	19.237	Treed Swamp	NORTH GOWER	D	Fair	50	15.9
SITE	60.482	3.056	Tilled	GRENVILLE	B	Fair	69	3.5
SITE	60.482	6.086	Hedge Rows	ERODED CHANNEL	D	Fair	77	7.7
SITE	60.482	0.349	Built Up Area - Pervious	NORTH GOWER	D	Fair	84	0.5
SITE	60.482	0.628	Forest	NORTH GOWER	D	Fair	79	0.8
SITE	60.482	0.041	Transportation	GRENVILLE	B	Fair	98	0.1
T1	79.248	1.494	Transportation	GRENVILLE	B	Fair	98	1.8
T1	79.248	2.002	Hedge Rows	GRENVILLE	B	Fair	56	1.4
T1	79.248	46.186	Tilled	BRANDON	D	Fair	84	49.0
T1	79.248	0.428	Forest	GRENVILLE	B	Fair	60	0.3
T1	79.248	1.79	Built Up Area - Pervious	GRENVILLE	B	Fair	69	1.6
T1	79.248	1.373	Transportation	BRANDON	D	Fair	98	1.7
T1	79.248	25.142	Tilled	GRENVILLE	B	Fair	69	21.9
T1	79.248	0.832	Hedge Rows	BRANDON	D	Fair	77	0.8
T2	109.81	4.959	Built Up Area - Pervious	BELMEADE - PEATY PHASE	D	Fair	84	3.8
T2	109.81	0.351	Transportation	GRENVILLE	B	Fair	98	0.3
T2	109.81	0.492	Mixed Forest	BRANDON	D	Fair	79	0.4
T2	109.81	77.424	Tilled	BRANDON	D	Fair	84	59.2
T2	109.81	6.965	Treed Swamp	BRANDON	D	Fair	50	3.2
T2	109.81	1.056	Built Up Area - Pervious	GRENVILLE	B	Fair	69	0.7
T2	109.81	1.759	Transportation	BELMEADE - PEATY PHASE	D	Fair	98	1.6
T2	109.81	15.212	Tilled	GRENVILLE	B	Fair	69	9.6
T2	109.81	0.048	Hedge Rows	BRANDON	D	Fair	77	0.0
T2	109.81	1.481	Deciduous Forest	BRANDON	D	Fair	79	1.1
T2	109.81	0.062	Forest	BRANDON	D	Fair	79	0.0
T3	12.052	7.584	Tilled	BRANDON	D	Fair	84	52.9
T3	12.052	0.318	Built Up Area - Pervious	GRENVILLE	B	Fair	69	1.8
T3	12.052	4.15	Tilled	GRENVILLE	B	Fair	69	23.8
T4	65.892	0.003	Transportation	GRENVILLE	B	Fair	98	0.0
T4	65.892	47.813	Tilled	BRANDON	D	Fair	84	61.0
T4	65.892	0.508	Hedge Rows	GRENVILLE	B	Fair	56	0.4
T4	65.892	0.957	Treed Swamp	BRANDON	D	Fair	50	0.7
T4	65.892	0.331	Deciduous Forest	GRENVILLE	B	Fair	60	0.3
T4	65.892	1.017	Built Up Area - Pervious	GRENVILLE	B	Fair	69	1.1
T4	65.892	11.697	Tilled	GRENVILLE	B	Fair	69	12.2
T4	65.892	2.464	Hedge Rows	BRANDON	D	Fair	77	2.9
T4	65.892	1.103	Treed Swamp	GRENVILLE	B	Fair	50	0.8
T5	171.814	1.141	Built Up Area - Pervious	BELMEADE - PEATY PHASE	D	Fair	84	0.6
T5	171.814	0.588	Transportation	CHATEAUGUAY - MARL PHASE	B	Fair	98	0.3
T5	171.814	0.003	Mixed Forest	ORGANIC	D	Fair	79	0.0
T5	171.814	91.393	Tilled	BRANDON	D	Fair	84	44.7
T5	171.814	35.216	Treed Swamp	BRANDON	D	Fair	50	10.2
T5	171.814	2.775	Deciduous Forest	CHATEAUGUAY - MARL PHASE	B	Fair	60	1.0
T5	171.814	0.129	Transportation	CASTOR	C	Fair	98	0.1
T5	171.814	0.141	Hedge Rows	GRENVILLE	B	Fair	56	0.0
T5	171.814	0.023	Marsh	BELMEADE - PEATY PHASE	D	Fair	50	0.0
T5	171.814	3.021	Built Up Area - Pervious	GRENVILLE	B	Fair	69	1.2

Table A1 -Land Use & Soil Type Summary

Name	Subcatchment Area (ha)	Unit Area (ha)	Land Use	Soil Name	Soil Type	Hydro Cond	CN	CN x Area
T5	171.814	3.59	Transportation	BELMEADE - PEATY PHASE	D	Fair	98	2.0
T5	171.814	26.02	Tilled	GRENVILLE	B	Fair	69	10.4
T5	171.814	0.026	Mixed Forest	CHATEAUGUAY - MARL PHASE	B	Fair	60	0.0
T5	171.814	0.459	Built Up Area - Pervious	CASTOR	C	Fair	79	0.2
T5	171.814	0.625	Hedge Rows	BRANDON	D	Fair	77	0.3
T5	171.814	1.286	Treed Swamp	GRENVILLE	B	Fair	50	0.4
T5	171.814	0.638	Deciduous Forest	NORTH GOWER	D	Fair	79	0.3
T5	171.814	4.721	Tilled	CASTOR	C	Fair	79	2.2
T5	171.814	0.017	Marsh	CHATEAUGUAY - MARL PHASE	B	Fair	50	0.0
T6	60.196	1.553	Hedge Rows	BRANDON	D	Fair	77	2.0
T6	60.196	0.125	Transportation	GRENVILLE	B	Fair	98	0.2
T6	60.196	46.739	Tilled	BRANDON	D	Fair	84	65.2
T6	60.196	0.509	Transportation	CASTOR	C	Fair	98	0.8
T6	60.196	0.025	Hedge Rows	GRENVILLE	B	Fair	56	0.0
T6	60.196	0.015	Built Up Area - Pervious	GRENVILLE	B	Fair	69	0.0
T6	60.196	0.046	Deciduous Forest	CASTOR	C	Fair	73	0.1
T6	60.196	1.233	Transportation	ERODED CHANNEL	D	Fair	98	2.0
T6	60.196	0.049	Tilled	GRENVILLE	B	Fair	69	0.1
T6	60.196	1.727	Built Up Area - Pervious	CASTOR	C	Fair	79	2.3
T6	60.196	0.615	Deciduous Forest	BRANDON	D	Fair	79	0.8
T6	60.196	7.56	Tilled	CASTOR	C	Fair	79	9.9
T7	68.501	0.398	Transportation	CHATEAUGUAY - MARL PHASE	B	Fair	98	0.6
T7	68.501	38.515	Tilled	BRANDON	D	Fair	84	47.2
T7	68.501	0.009	Hedge Rows	CASTOR	C	Fair	70	0.0
T7	68.501	0.264	Treed Swamp	BRANDON	D	Fair	50	0.2
T7	68.501	2.17	Deciduous Forest	GRENVILLE	B	Fair	60	1.9
T7	68.501	1.73	Transportation	CASTOR	C	Fair	98	2.5
T7	68.501	0.016	Hedge Rows	CHATEAUGUAY - MARL PHASE	B	Fair	56	0.0
T7	68.501	0.286	Built Up Area - Pervious	CHATEAUGUAY - MARL PHASE	B	Fair	69	0.3
T7	68.501	1.719	Transportation	ERODED CHANNEL	D	Fair	98	2.5
T7	68.501	14.299	Tilled	CHATEAUGUAY - MARL PHASE	B	Fair	69	14.4
T7	68.501	2.306	Built Up Area - Pervious	CASTOR	C	Fair	79	2.7
T7	68.501	1.017	Deciduous Forest	BRANDON	D	Fair	79	1.2
T7	68.501	0.402	Forest	BRANDON	D	Fair	79	0.5
T7	68.501	5.368	Tilled	CASTOR	C	Fair	79	6.2

Table A2 - CN Summary

Subcatchment	Subcatchemnt Area (ha)	Sum of Unit Area (ha)	CN	CN*
EXT1	60.46	60.46	64	51
EXT2	7.616	7.617	73	63
EXT3	17.956	17.956	71	59
EXT4	0.643	0.643	62	48
EXT5	1.547	1.546	68	56
M1	111.885	111.884	71	59
M2	119.733	119.73	66	53
M3	39.07	39.069	60	46
M4	50.96	50.961	65	53
M5	56.258	56.254	68	56
M6	25.623	25.622	73	62
M7	47.255	47.253	82	75
M8	14.262	14.263	84	78
M9	24.236	24.233	80	73
SITE	60.482	60.481	71	59
T1	79.248	79.247	78	70
T2	109.81	109.809	80	72
T3	12.052	12.052	78	70
T4	65.892	65.893	79	72
T5	171.814	171.812	74	64
T6	60.196	60.196	83	77
T7	68.501	68.499	80	72

Table A3: Time to Peak Calculations

Parameter	Units	EXT1	EXT2	EXT3	EXT4	EXT5	M1
Area	ha	60.46	7.62	17.96	0.64	1.55	111.89
CN*	-	51	63	59	48	56	59
Ptotal to calc C from CN, use 2 yr 3 hr Chicago OTTAWA stom	P(mm)	31.4	31.4	31.4	31.4	31.4	31.4
	la(mm)	4.67	4.67	4.67	4.67	4.67	4.67
	RV(mm)	2.7	4.0	3.5	2.4	3.2	3.5
Ptotal to calc C from CN, use 2 yr 24 hr SCS OTTAWA stom	P(mm)	48.46	48.46	48.46	48.46	48.46	48.46
	RV(mm)	6.7	9.9	8.8	6.1	7.9	8.8
C (From Chicago storm)	-	0.085	0.129	0.113	0.076	0.101	0.113
C (From SCS storm)	-	0.139	0.204	0.181	0.126	0.163	0.181
Length of Channel	m	1271	580	1262	130	151	1723
	ft	4169	1903	4140	426	496	5652
Elevation of Head Water	m	99.10	98.20	98.41	94.35	98.51	105.80
	ft	325	322	323	310	323	347
Elevation of Outlet	m	94.55	94.70	93.66	93.31	97.19	96.75
	ft	310	311	307	306	319	317
Average Slope	m/m	0.36%	0.60%	0.38%	0.80%	0.87%	0.53%
	ft/ft	0.36%	0.60%	0.38%	0.80%	0.87%	0.53%
Kirpich							
Time of Concentration	mins	42	19	41	5	6	46
Time to Peak	min	28	12	27	4	4	30
Time to Peak	Hours	0.46	0.21	0.45	0.06	0.06	0.51
FAA (From Chicago storm)							
Time of Concentration	mins	166	90	158	41	42	166
Time to Peak	mins	111	60	106	27	28	110
Time to Peak	Hours	1.85	1.00	1.76	0.46	0.47	1.84
FAA (From SCS storm)							
Time of Concentration	mins	157	83	147	39	39	154
Time to Peak	mins	105	55	98	26	26	103
Time to Peak	Hours	1.75	0.92	1.64	0.43	0.44	1.71
Barnsby Williams							
Time of Concentration	mins	60	30	66	8	9	70
Time to Peak	mins	40	20	44	5	6	47
Time to Peak	Hours	0.66	0.33	0.73	0.09	0.10	0.78
SCS							
Time of Concentration	mins	359	110	285	42	37	309
Time to Peak	mins	239	73	190	28	25	206
Time to Peak	Hours	3.99	1.22	3.17	0.46	0.41	3.43
Selected Method							
FAA (From SCS storm)							
Time to Peak	min	105	55	98	26	26	103
Time to Peak	Hours	1.75	0.92	1.64	0.43	0.44	1.71

Note:

All methods calculated as per Appendix A of the SWMMHYMO manual

Time to Peak calculated as 2/3 Time of concentration

Table A3: Time to Peak Calculations

Parameter	Units	M2	M3	M4	M5	M6	M7
Area	ha	119.73	39.07	50.96	56.26	25.62	47.26
CN*	-	53	46	53	56	62	75
Ptotal to calc C from CN, use 2 yr 3 hr Chicago OTTAWA storm	P(mm)	31.4	31.4	31.4	31.4	31.4	31.4
	la(mm)	4.67	4.67	4.67	4.67	4.67	4.67
	RV(mm)	2.8	2.2	2.8	3.2	4.0	6.4
Ptotal to calc C from CN, use 2 yr 24 hr SCS OTTAWA storm	P(mm)	48.46	48.46	48.46	48.46	48.46	48.46
	RV(mm)	7.1	5.5	7.0	7.9	9.8	15.0
C (From Chicago storm)	-	0.089	0.069	0.089	0.101	0.127	0.205
C (From SCS storm)	-	0.146	0.114	0.145	0.163	0.201	0.309
Length of Channel	m	2853	1072	1857	1357	1550	1171
	ft	9361	3516	6093	4452	5084	3841
Elevation of Head Water	m	100.54	97.70	102.06	95.45	96.74	91.41
	ft	330	321	335	313	317	300
Elevation of Outlet	m	94.62	94.07	93.76	92.56	91.42	90.49
	ft	310	309	308	304	300	297
Average Slope	m/m	0.21%	0.34%	0.45%	0.21%	0.34%	0.08%
	ft/ft	0.21%	0.34%	0.45%	0.21%	0.34%	0.08%
Kirpich							
Time of Concentration	mins	96	37	51	54	49	70
Time to Peak	min	64	25	34	36	33	47
Time to Peak	Hours	1.07	0.42	0.57	0.60	0.55	0.78
FAA (From Chicago storm)							
Time of Concentration	mins	297	158	186	201	178	233
Time to Peak	mins	198	105	124	134	119	155
Time to Peak	Hours	3.30	1.76	2.06	2.23	1.98	2.59
FAA (From SCS storm)							
Time of Concentration	mins	281	151	175	188	165	206
Time to Peak	mins	187	101	117	126	110	137
Time to Peak	Hours	3.12	1.68	1.95	2.09	1.83	2.29
Barnsby Williams							
Time of Concentration	mins	139	53	85	71	80	76
Time to Peak	mins	93	35	56	47	53	51
Time to Peak	Hours	1.55	0.59	0.94	0.79	0.89	0.85
SCS							
Time of Concentration	mins	868	374	421	435	324	385
Time to Peak	mins	578	249	280	290	216	257
Time to Peak	Hours	9.64	4.15	4.67	4.83	3.60	4.28
Selected Method							
FAA (From SCS storm)							
Time to Peak	min	187	101	117	126	110	137
Time to Peak	Hours	3.12	1.68	1.95	2.09	1.83	2.29

Note:

All methods calculated as per Appendix A of the SWMHYMO nr

Time to Peak calculated as 2/3 Time of concentration

Table A3: Time to Peak Calculations

Parameter	Units	M8	M9	SITE	T1	T2	T3
Area	ha	14.26	24.24	60.48	79.25	109.81	12.05
CN*	-	78	73	59	70	72	70
Ptotal to calc C from CN, use 2 yr 3 hr Chicago OTTAWA stom	P(mm)	31.4	31.4	31.4	31.4	31.4	31.4
	la(mm)	4.67	4.67	4.67	4.67	4.67	4.67
	RV(mm)	7.4	5.9	3.5	5.3	5.7	5.3
Ptotal to calc C from CN, use 2 yr 24 hr SCS OTTAWA stom	P(mm)	48.46	48.46	48.46	48.46	48.46	48.46
	RV(mm)	16.8	13.9	8.8	12.7	13.5	12.6
C (From Chicago storm)	-	0.235	0.187	0.113	0.169	0.182	0.169
C (From SCS storm)	-	0.348	0.286	0.181	0.261	0.278	0.261
Length of Channel	m	709	943	884	1748	2379	752
	ft	2325	3094	2901	5736	7804	2467
Elevation of Head Water	m	93.33	93.31	98.14	99.73	97.21	98.99
	ft	306	306	322	327	319	325
Elevation of Outlet	m	91.44	90.49	92.59	91.56	91.56	92.46
	ft	300	297	304	300	300	303
Average Slope	m/m	0.27%	0.30%	0.63%	0.47%	0.24%	0.87%
	ft/ft	0.27%	0.30%	0.63%	0.47%	0.24%	0.87%
Kirpich							
Time of Concentration	mins	30	36	25	48	79	20
Time to Peak	min	20	24	17	32	53	13
Time to Peak	Hours	0.33	0.40	0.28	0.54	0.88	0.22
FAA (From Chicago storm)							
Time of Concentration	mins	117	137	112	164	236	87
Time to Peak	mins	78	91	75	109	157	58
Time to Peak	Hours	1.30	1.52	1.24	1.82	2.62	0.97
FAA (From SCS storm)							
Time of Concentration	mins	102	122	104	147	211	79
Time to Peak	mins	68	81	69	98	141	52
Time to Peak	Hours	1.13	1.35	1.16	1.64	2.34	0.87
Barnsby Williams							
Time of Concentration	mins	41	50	37	76	114	35
Time to Peak	mins	27	33	25	50	76	23
Time to Peak	Hours	0.45	0.56	0.41	0.84	1.27	0.39
SCS							
Time of Concentration	mins	127	177	166	249	425	93
Time to Peak	mins	85	118	111	166	283	62
Time to Peak	Hours	1.41	1.96	1.84	2.77	4.72	1.04
Selected Method							
FAA (From SCS storm)							
Time to Peak	min	68	81	69	98	141	52
Time to Peak	Hours	1.13	1.35	1.16	1.64	2.34	0.87

Note:

All methods calculated as per Appendix A of the SWMHYMO nr

Time to Peak calculated as 2/3 Time of concentration

Table A3: Time to Peak Calculations

Parameter	Units	T4	T5	T6	T7
Area	ha	65.89	171.81	60.20	68.50
CN*	-	72	64	77	72
Ptotal to calc C from CN, use 2 yr 3 hr Chicago OTTAWA stom	P(mm)	31.4	31.4	31.4	31.4
	la(mm)	4.67	4.67	4.67	4.67
	RV(mm)	5.6	4.2	7.0	5.8
Ptotal to calc C from CN, use 2 yr 24 hr SCS OTTAWA stom	P(mm)	48.46	48.46	48.46	48.46
	RV(mm)	13.3	10.2	16.2	13.6
C (From Chicago storm)	-	0.178	0.133	0.224	0.184
C (From SCS storm)	-	0.274	0.211	0.334	0.282
Length of Channel	m	1780	3255	959	2053
	ft	5841	10678	3146	6736
Elevation of Head Water	m	97.37	97.74	90.73	93.23
	ft	319	321	298	306
Elevation of Outlet	m	90.74	90.73	90.51	90.50
	ft	298	298	297	297
Average Slope	m/m	0.37%	0.22%	0.02%	0.13%
	ft/ft	0.37%	0.22%	0.02%	0.13%
Kirpich					
Time of Concentration	mins	53	105	95	89
Time to Peak	min	36	70	64	59
Time to Peak	Hours	0.59	1.17	1.06	0.98
FAA (From Chicago storm)					
Time of Concentration	mins	176	300	307	265
Time to Peak	mins	118	200	205	177
Time to Peak	Hours	1.96	3.33	3.41	2.95
FAA (From SCS storm)					
Time of Concentration	mins	158	276	268	237
Time to Peak	mins	105	184	179	158
Time to Peak	Hours	1.76	3.07	2.98	2.63
Barnsby Williams					
Time of Concentration	mins	82	152	77	116
Time to Peak	mins	55	101	52	77
Time to Peak	Hours	0.91	1.69	0.86	1.29
SCS					
Time of Concentration	mins	273	714	559	501
Time to Peak	mins	182	476	372	334
Time to Peak	Hours	3.03	7.93	6.21	5.56
Selected Method					
FAA (From SCS storm)					
Time to Peak	min	105	184	179	158
Time to Peak	Hours	1.76	3.07	2.98	2.63

Note:

All methods calculated as per Appendix A of the SWMHYMO nr

Time to Peak calculated as 2/3 Time of concentration

```
1 20 Metric units / ID numbers OFF
2 *#*****
  *****
3 *# SWMHYMO / INPUT DATA FILE
4 *#*****
  *****
5 *# Project Name : [Tamarack Richmond]
6 *# Project Number: [P2001(e01)]
7 *# Date : [2025 JULY 18]
8 *# Modeller : [JF and OS]
9 *# Company : JFSA Canada Inc.
10 *# License # : 2549237
11 *#*****
  *****
12 *# Model developed to simulate runoff from subcatchments under pre development conditions
13 *#*****
  *****
14 *% 25mm, 3-Hour Chicago Storm
15 START TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[001]
16 ["25MMC3H.stm"] <--storm filename, one per line for NSTORM time
17 *%-----|-----|
18 READ STORM STORM_FILENAME=["STORM.001"]
19 *%-----|-----|
20 *#*****
  *****
21 *# EXT1
22 *#*****
  *****
23 CALIB NASHYD NHYD=["EXT1"], DT[1] (min), AREA=[60.46] (ha),
24 DWF=[0] (cms), CN=[51],
25 IA=[4.67] (mm), N=[3], TP[1.75] (hrs),
26 RAINFALL[ , , -1]
27 *#*****
  *****
28 *# EXT2
29 *#*****
  *****
30 CALIB NASHYD NHYD=["EXT2"], DT[1] (min), AREA=[7.62] (ha),
31 DWF=[0] (cms), CN=[63],
32 IA=[4.67] (mm), N=[3], TP[0.92] (hrs),
33 RAINFALL[ , , -1]
34 *#*****
  *****
35 *# EXT3
36 *#*****
  *****
37 CALIB NASHYD NHYD=["EXT3"], DT[1] (min), AREA=[17.96] (ha),
38 DWF=[0] (cms), CN=[59],
39 IA=[4.67] (mm), N=[3], TP[1.64] (hrs),
40 RAINFALL[ , , -1]
41 *#*****
  *****
42 *# EXT4
43 *#*****
  *****
44 CALIB NASHYD NHYD=["EXT4"], DT[1] (min), AREA=[0.64] (ha),
45 DWF=[0] (cms), CN=[48],
46 IA=[4.67] (mm), N=[3], TP[0.43] (hrs),
47 RAINFALL[ , , -1]
48 *#*****
  *****
49 *# EXT5
50 *#*****
  *****
51 CALIB NASHYD NHYD=["EXT5"], DT[1] (min), AREA=[1.55] (ha),
52 DWF=[0] (cms), CN=[56],
53 IA=[4.67] (mm), N=[3], TP[0.44] (hrs),
54 RAINFALL[ , , -1]
55 *#*****
  *****
```

```
*****
56 *# M1
57 *#*****
*****
58 CALIB NASHYD      NHYD=["M1"], DT[1] (min), AREA=[111.89] (ha),
59                   DWF=[0] (cms), CN=[59],
60                   IA=[4.67] (mm), N=[3], TP[1.71] (hrs),
61                   RAINFALL[ , , -1]
62 *#*****
*****
63 *# M2
64 *#*****
*****
65 CALIB NASHYD      NHYD=["M2"], DT[1] (min), AREA=[119.73] (ha),
66                   DWF=[0] (cms), CN=[53],
67                   IA=[4.67] (mm), N=[3], TP[3.12] (hrs),
68                   RAINFALL[ , , -1]
69 *#*****
*****
70 *# M3
71 *#*****
*****
72 CALIB NASHYD      NHYD=["M3"], DT[1] (min), AREA=[39.07] (ha),
73                   DWF=[0] (cms), CN=[46],
74                   IA=[4.67] (mm), N=[3], TP[1.68] (hrs),
75                   RAINFALL[ , , -1]
76 *#*****
*****
77 *# M4
78 *#*****
*****
79 CALIB NASHYD      NHYD=["M4"], DT[1] (min), AREA=[50.96] (ha),
80                   DWF=[0] (cms), CN=[53],
81                   IA=[4.67] (mm), N=[3], TP[1.95] (hrs),
82                   RAINFALL[ , , -1]
83 *#*****
*****
84 *# M5
85 *#*****
*****
86 CALIB NASHYD      NHYD=["M5"], DT[1] (min), AREA=[56.26] (ha),
87                   DWF=[0] (cms), CN=[56],
88                   IA=[4.67] (mm), N=[3], TP[2.09] (hrs),
89                   RAINFALL[ , , -1]
90 *#*****
*****
91 *# M6
92 *#*****
*****
93 CALIB NASHYD      NHYD=["M6"], DT[1] (min), AREA=[25.62] (ha),
94                   DWF=[0] (cms), CN=[62],
95                   IA=[4.67] (mm), N=[3], TP[1.83] (hrs),
96                   RAINFALL[ , , -1]
97 *#*****
*****
98 *# M7
99 *#*****
*****
100 CALIB NASHYD     NHYD=["M7"], DT[1] (min), AREA=[47.26] (ha),
101                   DWF=[0] (cms), CN=[75],
102                   IA=[4.67] (mm), N=[3], TP[2.29] (hrs),
103                   RAINFALL[ , , -1]
104 *#*****
*****
105 *# M8
106 *#*****
*****
107 CALIB NASHYD     NHYD=["M8"], DT[1] (min), AREA=[14.26] (ha),
108                   DWF=[0] (cms), CN=[78],
```



```
109 IA=[4.67] (mm), N=[3], TP[1.13] (hrs),
110 RAINFALL[ , , -1]
111 *#*****
*****
112 *# M9
113 *#*****
*****
114 CALIB NASHYD NHYD=["M9"], DT[1] (min), AREA=[24.24] (ha),
115 DWF=[0] (cms), CN=[73],
116 IA=[4.67] (mm), N=[3], TP[1.13] (hrs),
117 RAINFALL[ , , -1]
118 *#*****
*****
119 *# SITE
120 *#*****
*****
121 CALIB NASHYD NHYD=["SITE"], DT[1] (min), AREA=[60.48] (ha),
122 DWF=[0] (cms), CN=[59],
123 IA=[4.67] (mm), N=[3], TP[1.16] (hrs),
124 RAINFALL[ , , -1]
125 *#*****
*****
126 *# T1
127 *#*****
*****
128 CALIB NASHYD NHYD=["T1"], DT[1] (min), AREA=[79.25] (ha),
129 DWF=[0] (cms), CN=[70],
130 IA=[4.67] (mm), N=[3], TP[1.64] (hrs),
131 RAINFALL[ , , -1]
132 *#*****
*****
133 *# T2
134 *#*****
*****
135 CALIB NASHYD NHYD=["T2"], DT[1] (min), AREA=[109.81] (ha),
136 DWF=[0] (cms), CN=[72],
137 IA=[4.67] (mm), N=[3], TP[2.34] (hrs),
138 RAINFALL[ , , -1]
139 *#*****
*****
140 *# T3
141 *#*****
*****
142 CALIB NASHYD NHYD=["T3"], DT[1] (min), AREA=[12.05] (ha),
143 DWF=[0] (cms), CN=[70],
144 IA=[4.67] (mm), N=[3], TP[0.87] (hrs),
145 RAINFALL[ , , -1]
146 *#*****
*****
147 *# T4
148 *#*****
*****
149 CALIB NASHYD NHYD=["T4"], DT[1] (min), AREA=[65.89] (ha),
150 DWF=[0] (cms), CN=[72],
151 IA=[4.67] (mm), N=[3], TP[1.76] (hrs),
152 RAINFALL[ , , -1]
153 *#*****
*****
154 *# T5
155 *#*****
*****
156 CALIB NASHYD NHYD=["T5"], DT[1] (min), AREA=[171.81] (ha),
157 DWF=[0] (cms), CN=[64],
158 IA=[4.67] (mm), N=[3], TP[3.07] (hrs),
159 RAINFALL[ , , -1]
160 *#*****
*****
161 *# T6
162 *#*****
```

```

*****
163 CALIB NASHYD      NHYD=["T6"], DT[1] (min), AREA=[60.20] (ha),
164                  DWF=[0] (cms), CN=[77],
165                  IA=[4.67] (mm), N=[3], TP[2.98] (hrs),
166                  RAINFALL[ , , -1]
167 *#*****
*****
168 *# T7
169 *#*****
*****
170 CALIB NASHYD      NHYD=["T7"], DT[1] (min), AREA=[68.50] (ha),
171                  DWF=[0] (cms), CN=[72],
172                  IA=[4.67] (mm), N=[3], TP[2.63] (hrs),
173                  RAINFALL[ , , -1]
174
175 *#*****
*****
176 * NOTE: Cross-section C1 is taken from the LiDAR data
177 ROUTE CHANNEL      NHYDout=["R1"], NHYDin=["M1"], RDT=[1] (min),
178                  CHLGTH=[2381.159] (m), CHSLOPE=[0.105] (%), FPSLOPE=[0.105] (%),
179                  SECNUM=[1], NSEG=[3],
180                  ( SEGROUGH, SEGDIST (m))=[0.08,2.74 -0.035,26.04 0.08,28.78] NSEG
181                  times
182                  ( DISTANCE (m), ELEVATION (m))=[1.37, 94.96]
183                  [2.74, 94.87]
184                  [4.11, 94.78]
185                  [5.48, 94.67]
186                  [6.85, 94.62]
187                  [8.22, 94.39]
188                  [9.59, 94.24]
189                  [10.96, 94.27]
190                  [12.33, 94.35]
191                  [13.7, 94.42]
192                  [15.07, 94.49]
193                  [16.44, 94.57]
194                  [17.81, 94.61]
195                  [23.29, 94.75]
196                  [24.66, 94.82]
197                  [26.04, 94.85]
198                  [27.41, 94.91]
199                  [28.78, 94.94]
200 *%-----|-----|
201 ADD HYD          NHYDsum=["J2"], NHYDs to add=["R1"+"M2"+"M3"]
202 *%-----|-----|
203 * NOTE: Cross-section C2 is taken from the LiDAR data
204 ROUTE CHANNEL      NHYDout=["R2"], NHYDin=["J2"], RDT=[1] (min),
205                  CHLGTH=[470.986] (m), CHSLOPE=[0.221] (%), FPSLOPE=[0.221] (%),
206                  SECNUM=[2], NSEG=[3],
207                  ( SEGROUGH, SEGDIST (m))=[0.08,8.28 -0.035,28.98 0.08,30.36] NSEG
208                  times
209                  ( DISTANCE (m), ELEVATION (m))=[5.52, 94.07]
210                  [6.9, 94.04]
211                  [8.28, 93.99]
212                  [9.66, 93.84]
213                  [11.04, 93.75]
214                  [12.42, 93.58]
215                  [13.8, 93.53]
216                  [15.18, 93.48]
217                  [16.56, 93.44]
218                  [17.94, 93.35]
219                  [19.32, 93.4]
220                  [20.7, 93.47]
221                  [22.08, 93.58]
222                  [23.46, 93.64]
223                  [24.84, 93.79]
224                  [26.22, 93.88]
225                  [27.6, 93.92]
226                  [28.98, 94.01]
227                  [30.36, 94.14]

```

```

226 *%-----|-----|
227 ADD HYD          NHYDsum=["J3"], NHYDs to add=["R2"+"M4"]
228 *%-----|-----|
229 * NOTE: Cross-section C3 is taken from the LiDAR data
230 ROUTE CHANNEL    NHYDout=["R3"], NHYDin=["J3"], RDT=[1] (min),
231                  CHLGTH=[733.681] (m), CHSLOPE=[0.1] (%), FPSLOPE=[0.1] (%),
232                  SECNUM=[3], NSEG=[3],
233                  ( SEGROUGH, SEGDIST (m))=[0.08,4.06 -0.035,61.98 0.08,67.06] NSEG
                times
234                  ( DISTANCE (m), ELEVATION (m))=[2.03, 94.57]
235                  [4.06, 94.33]
236                  [6.1, 94.26]
237                  [9.14, 94.13]
238                  [15.24, 93.62]
239                  [17.27, 93.57]
240                  [22.35, 93.39]
241                  [24.38, 93.13]
242                  [25.4, 93.08]
243                  [27.43, 92.9]
244                  [42.67, 92.8]
245                  [43.69, 92.87]
246                  [47.75, 93.28]
247                  [48.77, 93.35]
248                  [50.8, 93.65]
249                  [53.85, 93.82]
250                  [55.88, 93.88]
251                  [61.98, 94.31]
252                  [64.01, 94.42]
253                  [67.06, 94.48]
254 *%-----|-----|
255 * NOTE: Cross-section C4 is taken from the LiDAR data
256 ROUTE CHANNEL    NHYDout=["R4"], NHYDin=["EXT5"], RDT=[1] (min),
257                  CHLGTH=[693.089] (m), CHSLOPE=[0.72] (%), FPSLOPE=[0.72] (%),
258                  SECNUM=[4], NSEG=[3],
259                  ( SEGROUGH, SEGDIST (m))=[0.08,2.67 -0.035,10.69 0.08,12.02] NSEG
                times
260                  ( DISTANCE (m), ELEVATION (m))=[0, 96.04]
261                  [1.34, 96.01]
262                  [2.67, 95.98]
263                  [4.01, 95.74]
264                  [5.34, 95.8]
265                  [6.68, 95.84]
266                  [8.01, 95.86]
267                  [9.35, 95.91]
268                  [10.69, 95.95]
269                  [12.02, 96.05]
270 *%-----|-----|
271 ADD HYD          NHYDsum=["J4"], NHYDs to add=["R4"+"R3"+"M5"]
272 *%-----|-----|
273 * NOTE: Cross-section C5 is taken from the LiDAR data
274 ROUTE CHANNEL    NHYDout=["R5"], NHYDin=["J4"], RDT=[1] (min),
275                  CHLGTH=[664.278] (m), CHSLOPE=[0.157] (%), FPSLOPE=[0.157] (%),
276                  SECNUM=[5], NSEG=[3],
277                  ( SEGROUGH, SEGDIST (m))=[0.08,71.08 -0.035,96.93 0.08,102.1] NSEG
                times
278                  ( DISTANCE (m), ELEVATION (m))=[67.2, 93.03]
279                  [68.49, 92.95]
280                  [71.08, 92.81]
281                  [73.66, 92.64]
282                  [74.96, 92.5]
283                  [77.54, 92.22]
284                  [78.83, 92.09]
285                  [82.71, 91.89]
286                  [85.29, 91.86]
287                  [87.88, 91.84]
288                  [90.46, 92]
289                  [91.76, 92.23]
290                  [93.05, 92.45]
291                  [95.63, 92.73]

```

```

292                                     [96.93, 92.87]
293                                     [99.51, 93.13]
294                                     [102.1, 93.39]
295 *%-----|-----|
296 ADD HYD          NHYDsum=["J7"], NHYDs to add=["R5"]
297 *%-----|-----|
298 * NOTE: Cross-section C6 is taken from the LiDAR data
299 ROUTE CHANNEL    NHYDout=["R6"], NHYDin=["EXT1"], RDT=[1] (min),
300                 CHLGTH=[871.277] (m), CHSLOPE=[0.343] (%), FPSLOPE=[0.343] (%),
301                 SECNUM=[6], NSEG=[3],
302                 ( SEGRROUGH, SEGDIST (m))=[0.08,54.88 -0.035,60.11 0.08,61.42] NSEG
303                 times
304                 ( DISTANCE (m), ELEVATION (m))=[53.58, 94.61]
305                                     [54.88, 94.29]
306                                     [56.19, 93.29]
307                                     [57.5, 93.1]
308                                     [58.8, 93.14]
309                                     [60.11, 94.12]
310                                     [61.42, 94.43]
311 *%-----|-----|
312 * NOTE: Cross-section C7 is taken from the LiDAR data
313 ROUTE CHANNEL    NHYDout=["R7"], NHYDin=["EXT2"], RDT=[1] (min),
314                 CHLGTH=[651.395] (m), CHSLOPE=[0.258] (%), FPSLOPE=[0.258] (%),
315                 SECNUM=[7], NSEG=[3],
316                 ( SEGRROUGH, SEGDIST (m))=[0.08,71.74 -0.035,108.26 0.08,112.17]
317                 NSEG times
318                 ( DISTANCE (m), ELEVATION (m))=[69.13, 93.97]
319                                     [71.74, 93.96]
320                                     [74.35, 93.89]
321                                     [75.65, 93.8]
322                                     [76.95, 93.8]
323                                     [78.26, 93.75]
324                                     [79.56, 93.74]
325                                     [80.87, 93.75]
326                                     [82.17, 93.78]
327                                     [84.78, 93.83]
328                                     [92.61, 93.86]
329                                     [93.91, 93.9]
330                                     [96.52, 93.91]
331                                     [99.13, 93.92]
332                                     [101.74, 93.94]
333                                     [104.34, 93.95]
334                                     [108.26, 93.95]
335                                     [110.87, 93.98]
336                                     [112.17, 93.99]
337 *%-----|-----|
338 * NOTE: Cross-section C8 is taken from the LiDAR data
339 ROUTE CHANNEL    NHYDout=["R8"], NHYDin=["EXT3"], RDT=[1] (min),
340                 CHLGTH=[181.107] (m), CHSLOPE=[0.339] (%), FPSLOPE=[0.339] (%),
341                 SECNUM=[8], NSEG=[3],
342                 ( SEGRROUGH, SEGDIST (m))=[0.08,64.17 -0.035,66.42 0.08,68.68] NSEG
343                 times
344                 ( DISTANCE (m), ELEVATION (m))=[63.05, 93.85]
345                                     [64.17, 93.53]
346                                     [65.3, 93.38]
347                                     [66.42, 93.51]
348                                     [67.55, 93.68]
349                                     [68.68, 94]
350 *%-----|-----|
351 * NOTE: Cross-section C9 is taken from the LiDAR data
352 ROUTE CHANNEL    NHYDout=["R9"], NHYDin=["J10"], RDT=[1] (min),
353                 CHLGTH=[366.191] (m), CHSLOPE=[0.414] (%), FPSLOPE=[0.414] (%),
354                 SECNUM=[9], NSEG=[3],
355                 ( SEGRROUGH, SEGDIST (m))=[0.08,69.01 -0.035,74.86 0.08,77.2] NSEG
356                 times
357                 ( DISTANCE (m), ELEVATION (m))=[67.84, 93.02]
358                                     [69.01, 92.95]

```

```

357                                     [70.18, 92.39]
358                                     [71.35, 92.37]
359                                     [72.52, 92.36]
360                                     [73.69, 92.81]
361                                     [74.86, 92.98]
362                                     [76.03, 93.07]
363                                     [77.2, 93.16]
364 *%-----|-----|
365 ADD HYD          NHYDsum=["CATCHMENT"], NHYDs to add=["R6"+"R9"+"EXT4"+"R4"+"SITE"]
366 *%-----|-----|
367 *%-----|-----|
368 ADD HYD          NHYDsum=["J11"], NHYDs to add=["J7"+"R6"+"R9"+"EXT4"+"SITE"]
369 *%-----|-----|
370 * NOTE: Cross-section C10 is taken from the LiDAR data
371 ROUTE CHANNEL    NHYDout=["R10"], NHYDin=["J11"], RDT=[1] (min),
372                  CHLGTH=[308.179] (m), CHSLOPE=[0.1] (%), FPSLOPE=[0.1] (%),
373                  SECNUM=[10], NSEG=[3],
374                  ( SEGRROUGH, SEGDIST (m))=[0.08,7.52 -0.035,87.69 0.08,95.21] NSEG
375                  times
376                  ( DISTANCE (m), ELEVATION (m))=[0, 93.73]
377                                     [3.76, 93.66]
378                                     [7.52, 93.51]
379                                     [16.29, 93.22]
380                                     [22.55, 92.99]
381                                     [31.32, 92.89]
382                                     [40.09, 92.81]
383                                     [50.11, 92.49]
384                                     [51.36, 92.25]
385                                     [61.38, 91.74]
386                                     [63.89, 91.5]
387                                     [80.18, 91.52]
388                                     [81.43, 91.71]
389                                     [83.93, 92]
390                                     [85.19, 92.66]
391                                     [86.44, 93.31]
392                                     [87.69, 93.51]
393                                     [91.45, 93.69]
394                                     [95.21, 93.73]
395 *%-----|-----|
396 ADD HYD          NHYDsum=["J12"], NHYDs to add=["R10"+"M6"+"M8"]
397 *%-----|-----|
398 * NOTE: Cross-section C11 is taken from the LiDAR data
399 ROUTE CHANNEL    NHYDout=["R11"], NHYDin=["J12"], RDT=[1] (min),
400                  CHLGTH=[1181.518] (m), CHSLOPE=[0.1] (%), FPSLOPE=[0.1] (%),
401                  SECNUM=[11], NSEG=[3],
402                  ( SEGRROUGH, SEGDIST (m))=[0.08,37.47 -0.035,88.11 0.08,97.22] NSEG
403                  times
404                  ( DISTANCE (m), ELEVATION (m))=[34.43, 93.16]
405                                     [37.47, 92.53]
406                                     [40.51, 91.85]
407                                     [43.55, 91.36]
408                                     [46.59, 91.07]
409                                     [51.65, 90.71]
410                                     [58.74, 90.66]
411                                     [62.79, 90.85]
412                                     [66.84, 90.95]
413                                     [71.9, 91.37]
414                                     [80.01, 91.45]
415                                     [84.06, 91.85]
416                                     [86.08, 92.16]
417                                     [88.11, 92.59]
418                                     [94.19, 92.94]
419                                     [97.22, 93.2]
420 *%-----|-----|
421 ADD HYD          NHYDsum=["J13"], NHYDs to add=["T1"+"T2"+"T3"]
422 *%-----|-----|
423 * NOTE: Cross-section C12 is taken from the LiDAR data
424 ROUTE CHANNEL    NHYDout=["R12"], NHYDin=["J13"], RDT=[1] (min),
425                  CHLGTH=[705.792] (m), CHSLOPE=[0.116] (%), FPSLOPE=[0.116] (%),

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424 SECNUM=[12], NSEG=[3],
425 ( SEGROUGH, SEGDIST (m))=[0.08,67.9 -0.035,74.69 0.08,75.82] NSEG
times
426 ( DISTANCE (m), ELEVATION (m))=[66.77, 92.59]
427 [67.9, 92.33]
428 [69.03, 91.9]
429 [70.17, 91.16]
430 [71.3, 91.07]
431 [72.43, 91.23]
432 [73.56, 91.75]
433 [74.69, 92.68]
434 [75.82, 92.75]
435 *%-----|-----|
436 ADD HYD NHYDsum=["J14"], NHYDs to add=["T4"+"T5"+"R12"]
437 *%-----|-----|
438 * NOTE: Cross-section C13 is taken from the LiDAR data
439 ROUTE CHANNEL NHYDout=["R13"], NHYDin=["J14"], RDT=[1] (min),
440 CHLGTH=[1015.406] (m), CHSLOPE=[0.1] (%), FPSLOPE=[0.1] (%),
441 SECNUM=[13], NSEG=[3],
442 ( SEGROUGH, SEGDIST (m))=[0.08,4.12 -0.035,67.25 0.08,71.37] NSEG
times
443 ( DISTANCE (m), ELEVATION (m))=[0, 92.15]
444 [1.37, 92.1]
445 [4.12, 92.02]
446 [9.61, 91.92]
447 [17.84, 91.82]
448 [21.96, 91.8]
449 [31.57, 91.73]
450 [42.54, 91.66]
451 [46.66, 91.62]
452 [54.9, 91.58]
453 [56.27, 91.21]
454 [57.64, 90.73]
455 [59.01, 90.67]
456 [61.76, 90.77]
457 [63.13, 91.31]
458 [64.5, 91.8]
459 [67.25, 92.03]
460 [69.99, 92.16]
461 [71.37, 92.28]
462 *%-----|-----|
463 ADD HYD NHYDsum=["J15"], NHYDs to add=["T6"+"T7"+"M7"+"R11"+"R13"]
464 *%-----|-----|
465 * NOTE: Cross-section C14 is taken from the LiDAR data
466 ROUTE CHANNEL NHYDout=["R14"], NHYDin=["J15"], RDT=[1] (min),
467 CHLGTH=[555.855] (m), CHSLOPE=[0.1] (%), FPSLOPE=[0.1] (%),
468 SECNUM=[14], NSEG=[3],
469 ( SEGROUGH, SEGDIST (m))=[0.08,62.04 -0.035,159.54 0.08,163.34]
NSEG times
470 ( DISTANCE (m), ELEVATION (m))=[58.24, 91.88]
471 [59.51, 91.83]
472 [60.78, 91.76]
473 [62.04, 91.53]
474 [63.31, 91.13]
475 [64.58, 90.7]
476 [67.11, 90.45]
477 [75.97, 90.38]
478 [82.3, 90.37]
479 [93.7, 90.38]
480 [98.76, 90.42]
481 [100.03, 90.56]
482 [103.83, 91.07]
483 [105.09, 91.1]
484 [153.21, 91.26]
485 [154.48, 91.32]
486 [158.27, 91.48]
487 [159.54, 91.53]
488 [160.81, 91.6]
489 [163.34, 91.63]

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490 *%-----|-----|
491 ADD HYD          NHYDsum=["OUT"], NHYDs to add=["M9"+"R14"]
492 *%-----|-----|
493 #####
494 *# STORMS
495 #####
496 *% 2-Year, 3-Hour Chicago Storm
497 START          TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[002]
498                ["002YC3H.stm"] <--storm filename, one per line for NSTORM time
499 *%-----|-----|
500 *% 5-Year, 3-Hour Chicago Storm
501 START          TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[005]
502                ["005YC3H.stm"] <--storm filename, one per line for NSTORM time
503 *%-----|-----|
504 *% 10-Year, 3-Hour Chicago Storm
505 START          TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[010]
506                ["010YC3H.stm"] <--storm filename, one per line for NSTORM time
507 *%-----|-----|
508 *% 25-Year, 3-Hour Chicago Storm
509 START          TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[025]
510                ["025YC3H.stm"] <--storm filename, one per line for NSTORM time
511 *%-----|-----|
512 *% 50-Year, 3-Hour Chicago Storm
513 START          TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[050]
514                ["050YC3H.stm"] <--storm filename, one per line for NSTORM time
515 *%-----|-----|
516 *% 100-Year, 3-Hour Chicago Storm
517 START          TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[099]
518                ["100YC3H.stm"] <--storm filename, one per line for NSTORM time
519 *%-----|-----|
520 *% 2-Year, 24-Hour SCS Storm
521 START          TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[102]
522                ["SC24002x.stm"] <--storm filename, one per line for NSTORM time
523 *%-----|-----|
524 *% 5-Year, 24-Hour SCS Storm
525 START          TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[105]
526                ["SC24005x.stm"] <--storm filename, one per line for NSTORM time
527 *%-----|-----|
528 *% 10-Year, 24-Hour SCS Storm
529 START          TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[110]
530                ["SC24010x.stm"] <--storm filename, one per line for NSTORM time
531 *%-----|-----|
532 *% 25-Year, 24-Hour SCS Storm
533 START          TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[125]
534                ["SC24025x.stm"] <--storm filename, one per line for NSTORM time
535 *%-----|-----|
536 *% 50-Year, 24-Hour SCS Storm
537 START          TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[150]
538                ["SC24050x.stm"] <--storm filename, one per line for NSTORM time
539 *%-----|-----|
540 *% 100-Year, 24-Hour SCS Storm
541 START          TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[199]
542                ["SC24100x.stm"] <--storm filename, one per line for NSTORM time
543 *%-----|-----|
544 *% 100-Year, 24-Hour SCS Storm + 20%
545 *START          TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[998]
546 *%                ["SC24100x+.stm"] <--storm filename, one per line for NSTORM time
547 *%-----|-----|
548 *% 100-Year, 3-Hour Chicago Storm + 20%
549 *START          TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[999]
550 *                ["100YRCHI3HR+.stm"] <--storm filename, one per line for NSTORM time
551 *%-----|-----|
552 FINISH

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00001
00002
00003 SSSS W M M M H H Y Y M M M O O O 222 000 11 5555
00004 S W M M M M H H Y Y M M M O O O 2 0 0 11 5
00005 SSSS W M M M H H Y Y M M M O O O 222 0 0 11 5 Ver 5.500
00006 S W M M M M H H Y Y M M M O O O 222 0 0 11 555 FEB 2013
00007 SSSS W M M M H H Y Y M M M O O O 222 0 0 11 5
00008 2 0 0 11 5 2549237
00009 StormWater Management Hydrologic Model 222 000 11 555
00010
00011
00012 ***** SWHYND Ver 3.500 *****
00013 A single event and continuous hydrologic simulation model
00014 based on the principles of HYMO and its successors
00015 *****
00016 *****
00017 ***** Distributed by: J.F. Sabourin and Associates Inc.
00018 ***** Ottawa, Ontario: (613) 836-3884
00019 ***** Gatineau, Quebec: (819) 243-6858
00020 *****
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 *****
00039 ***** RUN DATE: 2025-07-28 TIME: 10:23:58 RUN COUNTER: 03901 *****
00040 *****
00041 ***** Input file: C:\Temp\202507\Fee\MALB-Pre v01-Summer.dat *****
00042 ***** Output file: C:\Temp\202507\Fee\MALB-Pre v01-Summer.out *****
00043 ***** Summary file: C:\Temp\202507\Fee\MALB-Pre v01-Summer.sum *****
00044 ***** User comments: *****
00045 *****
00046 *****
00047 *****
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00049 *****
00050 *****
00051 ***** SWHYND / INPUT DATA FILE *****
00052 *****
00053 ***** Project Name : [Tamarack Richmond] *****
00054 ***** Project Number: [P0001.e011] *****
00055 ***** Date : [2025 JUL 28] *****
00056 ***** Modeller : [JF and GS] *****
00057 ***** Company : [JFSa Inc.] *****
00058 ***** License # : [2549237] *****
00059 *****
00060 ***** Model developed to simulate runoff from subcatchments under pre development conditions *****
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00181 ***** [CNF 70.0: N= 3.00; Tpe = .87] *****
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00361# # Data : [2025 JULY 18]
00362# # Modeler : [JFS]
00363# # Company : JFSA Canada Inc.
00364# # License # : 2549237
00365# *****
00366# # Model developed to simulate runoff from subcatchments under pre development conditions
00367# *****
00368# R0002:C00002-----DtmIn-ID:INHYD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
00369# READ STORM#
00370# Filename = STORM_001
00371# Comment = CHICAGO STORM 2 Year, 3 Hours
00372# [SDT=10.00:SDUR= 3.00:PTOT= 42.51]
00373# *****
00374# # EXT1
00375# *****
00376# R0002:C00003-----DtmIn-ID:INHYD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
00377# CALIB NASHYD 1.0 01:EXT1 60.46 .126 No_date 3:21 2.73 .086 .000
00378# [CNF 51.0: N= 3.00: Tpe= 1.75]
00379# *****
00380# # EXT2
00381# *****
00382# R0002:C00004-----DtmIn-ID:INHYD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
00383# CALIB NASHYD 1.0 01:EXT2 7.62 .098 No_date 2:16 4.19 .132 .000
00384# [CNF 61.0: N= 3.00: Tpe= .92]
00385# *****
00386# # EXT3
00387# *****
00388# R0002:C00005-----DtmIn-ID:INHYD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
00389# CALIB NASHYD 1.0 01:EXT3 17.96 .052 No_date 3:14 3.63 .114 .000
00390# [CNF 59.0: N= 3.00: Tpe= 1.64]
00391# *****
00392# # EXT4
00393# *****
00394# R0002:C00006-----DtmIn-ID:INHYD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
00395# CALIB NASHYD 1.0 01:EXT4 50.64 .003 No_date 1:35 2.44 .077 .000
00396# [CNF 48.0: N= 3.00: Tpe= .43]
00397# *****
00398# # EXT5
00399# *****
00400# R0002:C00007-----DtmIn-ID:INHYD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
00401# CALIB NASHYD 1.0 01:EXT5 1.55 .010 No_date 1:36 3.26 .102 .000
00402# [CNF 58.0: N= 3.00: Tpe= 1.32]
00403# *****
00404# # M1
00405# *****
00406# R0002:C00008-----DtmIn-ID:INHYD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
00407# CALIB NASHYD 1.0 01:EXT5 111.89 .316 No_date 3:18 3.63 .114 .000
00408# [CNF 59.0: N= 3.00: Tpe= 1.71]
00409# *****
00410# # M2
00411# *****
00412# R0002:C00009-----DtmIn-ID:INHYD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
00413# CALIB NASHYD 1.0 01:EXT2 119.73 .165 No_date 4:40 2.93 .092 .000
00414# [CNF 51.0: N= 3.00: Tpe= 3.12]
00415# *****
00416# # M3
00417# *****
00418# R0002:C00010-----DtmIn-ID:INHYD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
00419# CALIB NASHYD 1.0 01:EXT3 39.07 .070 No_date 3:17 2.27 .071 .000
00420# [CNF 46.0: N= 3.00: Tpe= 1.68]
00421# *****
00422# # M4
00423# *****
00424# R0002:C00011-----DtmIn-ID:INHYD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
00425# CALIB NASHYD 1.0 01:EXT4 50.96 .105 No_date 3:32 2.83 .092 .000
00426# [CNF 53.0: N= 3.00: Tpe= 1.95]
00427# *****
00428# # M5
00429# *****
00430# R0002:C00012-----DtmIn-ID:INHYD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
00431# CALIB NASHYD 1.0 01:EXT5 56.26 .122 No_date 3:40 3.26 .102 .000
00432# [CNF 58.0: N= 3.00: Tpe= 1.87]
00433# *****
00434# # M6
00435# *****
00436# R0002:C00013-----DtmIn-ID:INHYD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
00437# CALIB NASHYD 1.0 01:EXT4 25.62 .077 No_date 3:25 4.04 .127 .000
00438# [CNF 62.0: N= 3.00: Tpe= 1.83]
00439# *****
00440# # M7
00441# *****
00442# R0002:C00014-----DtmIn-ID:INHYD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
00443# CALIB NASHYD 1.0 01:EXT7 47.26 .193 No_date 3:50 6.61 .207 .000
00444# [CNF 75.0: N= 3.00: Tpe= 2.29]
00445# *****
00446# # M8
00447# *****
00448# R0002:C00015-----DtmIn-ID:INHYD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
00449# CALIB NASHYD 1.0 01:EXT8 14.26 .111 No_date 2:32 7.48 .235 .000
00450# [CNF 74.0: N= 3.00: Tpe= 1.33]
00451# *****
00452# # M9
00453# *****
00454# R0002:C00016-----DtmIn-ID:INHYD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
00455# CALIB NASHYD 1.0 01:EXT9 24.24 .154 No_date 3:23 6.10 .192 .000
00456# [CNF 73.0: N= 3.00: Tpe= 1.13]
00457# *****
00458# # SITE
00459# *****
00460# R0002:C00017-----DtmIn-ID:INHYD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
00461# CALIB NASHYD 1.0 01:SITE 60.48 .223 No_date 2:37 3.63 .114 .000
00462# [CNF 59.0: N= 3.00: Tpe= 1.54]
00463# *****
00464# # T1
00465# *****
00466# R0002:C00018-----DtmIn-ID:INHYD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
00467# CALIB NASHYD 1.0 01:SITE 79.25 .346 No_date 3:13 5.43 .171 .000
00468# [CNF 70.0: N= 3.00: Tpe= 1.64]
00469# *****
00470# # T2
00471# *****
00472# R0002:C00019-----DtmIn-ID:INHYD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
00473# CALIB NASHYD 1.0 01:EXT2 109.81 .390 No_date 3:53 5.87 .184 .000
00474# [CNF 72.0: N= 3.00: Tpe= 2.34]
00475# *****
00476# # T3
00477# *****
00478# R0002:C00020-----DtmIn-ID:INHYD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
00479# CALIB NASHYD 1.0 01:EXT3 12.05 .081 No_date 2:11 5.43 .171 .000
00480# [CNF 70.0: N= 3.00: Tpe= .87]
00481# *****
00482# # T4
00483# *****
00484# R0002:C00021-----DtmIn-ID:INHYD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
00485# CALIB NASHYD 1.0 01:EXT9 65.89 .295 No_date 3:23 6.10 .184 .000
00486# [CNF 72.0: N= 3.00: Tpe= 1.76]
00487# *****
00488# # T5
00489# *****
00490# R0002:C00022-----DtmIn-ID:INHYD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
00491# CALIB NASHYD 1.0 01:EXT5 171.81 .356 No_date 4:36 4.35 .136 .000
00492# [CNF 59.0: N= 3.00: Tpe= 2.07]
00493# *****
00494# # T6
00495# *****
00496# R0002:C00023-----DtmIn-ID:INHYD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
00497# CALIB NASHYD 1.0 01:EXT6 60.20 .212 No_date 4:30 7.17 .229 .000
00498# [CNF 77.0: N= 3.00: Tpe= 2.98]
00499# *****
00500# # T7
00501# *****
00502# R0002:C00024-----DtmIn-ID:INHYD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
00503# CALIB NASHYD 1.0 01:EXT7 68.50 .220 No_date 4:10 5.87 .184 .000
00504# [CNF 72.0: N= 3.00: Tpe= 2.63]
00505# *****
00506# R0002:C00025-----DtmIn-ID:INHYD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
00507# ROUTE CHANNEL -> 1.0 01:EXT1 111.89 .316 No_date 3:18 3.63 n/a .000
00508# [RDT= 1.00: out<- 1.0 01:R1 111.89 .176 No_date 4:43 3.63 n/a .000]
00509# [L/S/n= 291./ 159./035]
00510# *****
00511# R0002:C00026-----DtmIn-ID:INHYD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
00512# ADD HYD + 1.0 02:R1 111.89 .176 No_date 4:43 3.63 n/a .000
00513# + 1.0 02:R2 119.73 .165 No_date 4:40 2.93 n/a .000
00514# + 1.0 02:R3 39.07 .070 No_date 3:17 2.27 n/a .000
00515# SUM= 270.69 .393 No_date 4:24 3.12 n/a .000
00516# R0002:C00027-----DtmIn-ID:INHYD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
00517# ROUTE CHANNEL -> 1.0 01:EXT2 270.69 .393 No_date 4:24 3.12 n/a .000
00518# [RDT= 1.00: out<- 1.0 01:R2 270.69 .393 No_date 4:46 3.12 n/a .000]
00519# [L/S/n= 471./ 221./035]
00520# *****
00521# R0002:C00028-----DtmIn-ID:INHYD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
00522# ADD HYD + 1.0 02:R4 270.69 .393 No_date 4:46 3.12 n/a .000
00523# + 1.0 02:R5 50.96 .105 No_date 3:32 2.93 n/a .000
00524# + 1.0 02:R6 321.65 .469 No_date 4:29 3.09 n/a .000
00525# SUM= 652.90 .900 No_date 4:24 3.12 n/a .000
00526# R0002:C00029-----DtmIn-ID:INHYD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
00527# ROUTE CHANNEL -> 1.0 02:R3 321.65 .469 No_date 4:29 3.09 n/a .000
00528# [RDT= 1.00: out<- 1.0 02:R3 321.65 .469 No_date 5:14 3.09 n/a .000]
00529# [L/S/n= 734./ 100./035]
00530# *****
00531# R0002:C00030-----DtmIn-ID:INHYD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
00532# ROUTE CHANNEL -> 1.0 02:EXT5 1.55 .010 No_date 1:36 3.26 n/a .000
00533# [RDT= 1.00: out<- 1.0 01:R4 1.55 .005 No_date 2:16 3.26 n/a .000]
00534# [L/S/n= 693./ 720./035]
00535# *****
00536# R0002:C00031-----DtmIn-ID:INHYD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
00537# ADD HYD + 1.0 02:R4 1.55 .010 No_date 2:17 3.30 n/a .000
00538# + 1.0 02:R5 1.55 .010 No_date 2:17 3.30 n/a .000
00539# + 1.0 02:R6 56.26 .122 No_date 3:40 3.26 n/a .000
00540# SUM= 3.66 .042 No_date 2:17 3.30 n/a .000
00541# R0002:C00032-----DtmIn-ID:INHYD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
00542# ROUTE CHANNEL -> 1.0 02:EXT3 379.46 .527 No_date 4:50 3.12 n/a .000
00543# [RDT= 1.00: out<- 1.0 01:R5 379.46 .503 No_date 5:29 3.12 n/a .000]
00544# [L/S/n= 664./ 157./035]
00545# *****
00546# R0002:C00033-----DtmIn-ID:INHYD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
00547# ADD HYD + 1.0 02:R5 379.46 .503 No_date 5:29 3.12 n/a .000
00548# SUM= 379.46 .503 No_date 5:29 3.12 n/a .000
00549# R0002:C00034-----DtmIn-ID:INHYD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
00550# ROUTE CHANNEL -> 1.0 02:EXT1 60.46 .126 No_date 3:21 2.73 n/a .000
00551# [RDT= 1.00: out<- 1.0 01:R6 60.46 .116 No_date 3:51 2.73 n/a .000]
00552# [L/S/n= 871./ 343./035]
00553# *****
00554# R0002:C00035-----DtmIn-ID:INHYD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
00555# ROUTE CHANNEL -> 1.0 02:EXT2 7.62 .098 No_date 2:16 4.19 n/a .000
00556# [RDT= 1.00: out<- 1.0 01:R7 7.62 .026 No_date 3:11 4.19 n/a .000]
00557# [L/S/n= 651./ 238./035]
00558# *****
00559# R0002:C00036-----DtmIn-ID:INHYD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
00560# ROUTE CHANNEL -> 1.0 02:EXT3 17.96 .052 No_date 3:14 3.63 n/a .000
00561# [RDT= 1.00: out<- 1.0 01:R8 17.96 .052 No_date 3:20 3.63 n/a .000]
00562# [L/S/n= 181./ 339./035]
00563# *****
00564# R0002:C00037-----DtmIn-ID:INHYD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
00565# ADD HYD + 1.0 02:R7 17.96 .026 No_date 3:11 4.19 n/a .000
00566# + 1.0 02:R8 17.96 .026 No_date 3:20 3.63 n/a .000
00567# SUM= 35.92 .052 No_date 3:11 4.19 n/a .000
00568# R0002:C00038-----DtmIn-ID:INHYD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
00569# ROUTE CHANNEL -> 1.0 02:EXT1 25.58 .078 No_date 3:20 3.80 n/a .000
00570# [RDT= 1.00: out<- 1.0 01:R9 25.58 .078 No_date 3:20 3.80 n/a .000]
00571# [L/S/n= 346./ 414./035]
00572# *****
00573# R0002:C00039-----DtmIn-ID:INHYD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
00574# ADD HYD + 1.0 02:R6 60.46 .116 No_date 3:51 2.73 n/a .000
00575# + 1.0 02:R8 25.58 .077 No_date 3:28 3.80 n/a .000
00576# + 1.0 02:EXT4 64 .003 No_date 3:13 2.44 n/a .000
00577# + 1.0 02:R4 1.55 .010 No_date 2:17 3.30 n/a .000
00578# + 1.0 02:SITE 60.48 .223 No_date 2:37 3.63 n/a .000
00579# SUM= 148.71 .386 No_date 3:09 3.28 n/a .000
00580# R0002:C00040-----DtmIn-ID:INHYD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
00581# ADD HYD + 1.0 02:R6 60.46 .116 No_date 3:51 2.73 n/a .000
00582# + 1.0 02:R8 25.58 .077 No_date 3:28 3.80 n/a .000
00583# + 1.0 02:EXT4 64 .003 No_date 3:13 2.44 n/a .000
00584# + 1.0 02:SITE 60.48 .223 No_date 2:37 3.63 n/a .000
00585# SUM= 246.56 .688 No_date 4:43 3.16 n/a .000
00586# R0002:C00041-----DtmIn-ID:INHYD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
00587# ROUTE CHANNEL -> 1.0 01:EXT1 526.62 .688 No_date 4:43 3.16 n/a .000
00588# [RDT= 1.00: out<- 1.0 01:R10 526.62 .679 No_date 4:58 3.16 n/a .000]
00589# [L/S/n= 308./ 100./035]
00590# *****
00591# R0002:C00042-----DtmIn-ID:INHYD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rvmm-R-C-----DWfms
00592# ADD HYD + 1.0 02:R10 526.62 .679 No_date 4:58 3.16 n/a .000
00593# + 1.0 02:R6 25.62 .077 No_date 3:29 4.04 n/a .000
00594# + 1.0 02:R8 14.26 .111 No_date 2:32 7.48 n/a .000
00595# + 1.0 01:EXT2 111.89 .316 No_date 3:18 3.63 n/a .000
00596# + 1.0 01:EXT3 39.07 .070 No_date 3:17 2.27 n/a .000
00597# + 1.0 01:EXT4 50.96 .105 No_date 3:32 2.83 n/a .000
00598# + 1.0 01:EXT5 56.26 .122 No_date 3:40 3.26 n/a .000
00599# + 1.0 01:EXT6 25.62 .077 No_date 3:25 4.04 n/a .000
00600# + 1.0 01:EXT7 47.26 .193 No_date 3:50 6.61 n/a .000
00601# + 1.0 01:EXT8 14.26 .111 No_date 2:32 7.48 n/a .000
00602# + 1.0 01:EXT9 24.24 .154 No_date 3:23 6.10 n/a .000
00603# + 1.0 02:R1 109.81 .390 No_date 3:53 5.87 n/a .000
00604# + 1.0 02:R2 12.05 .081 No_date 2:11 5.43 n/a .000
00605# + 1.0 02:R3 270.69 .393 No_date 4:24 3.12 n/a .000
00606# + 1.0 02:R4 1.55 .010 No_date 2:17 3.30 n/a .000
00607# + 1.0 01:EXT1 111.89 .316 No_date 3:18 3.63 n/a .000
00608# + 1.0 01:EXT2 111.89 .316 No_date 3:18 3.63 n/a .000
00609# + 1.0 01:EXT3 39.07 .070 No_date 3:17 2.27 n/a .000
00610# + 1.0 01:EXT4 50.96 .105 No_date 3:32 2.83 n/a .000
00611# + 1.0 01:EXT5 56.26 .122 No_date 3:40 3.26 n/a .000
00612# + 1.0 01:EXT6 25.62 .077 No_date 3:25 4.04 n/a .000
00613# + 1.0 01:EXT7 47.26 .193 No_date 3:50 6.61 n/a .000
00614# + 1.0 01:EXT8 14.26 .111 No_date 2:32 7.48 n/a .000
00615# + 1.0 01:EXT9 24.24 .154 No_date 3:23 6.10 n/a .000
00616# + 1.0 01:EXT10 24.24 .154 No_date 3:23 6.10 n/a .000
00617# + 1.0 01:EXT11 24.24 .154 No_date 3:23 6.10 n/a .000
00618# + 1.0 01:EXT12 24.24 .154 No_date 3:23 6.10 n/a .000
00619# + 1.0 01:EXT13 24.24 .154 No_date 3:23 6.10 n/a .000
00620# + 1.0 01:EXT14 24.24 .154 No_date 3:23 6.10 n/a .000
00621# + 1.0 01:EXT15 24.24 .154 No_date 3:23 6.10 n/a .000
00622# + 1.0 01:EXT16 24.24 .154 No_date 3:23 6.10 n/a .000
00623# + 1.0 01:EXT17 24.24 .154 No_date 3:23 6.10 n/a .000
00624# + 1.0 01:EXT18 24.24 .154 No_date 3:23 6.10 n/a .000
00625# + 1.0 01:EXT19 24.24 .154 No_date 3:23 6.10 n/a .000
00626# + 1.0 01:EXT20 24.24 .154 No_date 3:23 6.10 n/a .000
00627# + 1.0 01:EXT21 24.24 .154 No_date 3:23 6.10 n/a .000
00628# + 1.0 01:EXT22 24.24 .154 No_date 3:23 6.10 n/a .000
00629# + 1.0 01:EXT23 24.24 .154 No_date 3:23 6.10 n/a .000
00630# + 1.0 01:EXT24 24.24 .154 No_date 3:23 6.10 n/a .000
00631# + 1.0 01:EXT25 24.24 .154 No_date 3:23 6.10 n/a .000
00632# + 1.0 01:EXT26 24.24 .154 No_date 3:23 6.10 n/a .000
00633# + 1.0 01:EXT27 24.24 .154 No_date 3:23 6.10 n/a .000
00634# + 1.0 01:EXT28 24.24 .154 No_date 3:23 6.10 n/a .000
00635# + 1.0 01:EXT29 24.24 .154 No_date 3:23 6.10 n/a .000
00636# + 1.0 01:EXT30 24.24 .154 No_date 3:23 6.10 n/a .000
00637# + 1.0 01:EXT31 24.24 .154 No_date 3:23 6.10 n/a .000
00638# + 1.0 01:EXT32 24.24 .154 No_date 3:23 6.10 n/a .000
00639# + 1.0 01:EXT33 24.24 .154 No_date 3:23 6.10 n/a .000
00640# + 1.0 01:EXT34 24.24 .154 No_date 3:23 6.10 n/a .000
00641# + 1.0 01:EXT35 24.24 .154 No_date 3:23 6.10 n/a .000
00642# + 1.0 01:EXT36 24.24 .154 No_date 3:23 6.10 n/a .000
00643# + 1.0 01:EXT37 24.24 .154 No_date 3:23 6.10 n/a .000
00644# + 1.0 01:EXT38 24.24 .154 No_date 3:23 6.10 n/a .000
00645# + 1.0 01:EXT39 24.24 .154 No_date 3:23 6.10 n/a .000
00646# + 1.0 01:EXT40 24.24 .154 No_date 3:23 6.10 n/a .000
00647# + 1.0 01:EXT41 24.24 .154 No_date 3:23 6.10 n/a .000
00648# + 1.0 01:EXT42 24.24 .154 No_date 3:23 6.10 n/a .000
00649# + 1.0 01:EXT43 24.24 .154 No_date 3:23 6.10 n/a .000
00650# + 1.0 01:EXT44 24.24 .154 No_date 3:23 6.10 n/a .000
00651# + 1.0 01:EXT45 24.24 .154 No_date 3:23 6.10 n/a .000
00652# + 1.0 01:EXT46 24.24 .154 No_date 3:23 6.10 n/a .000
00653# + 1.0 01:EXT47 24.24 .154 No_date 3:23 6.10 n/a .000
00654# + 1.0 01:EXT48 24.24 .154 No_date 3:23 6.10 n/a .000
00655# + 1.0 01:EXT49 24.24 .154 No_date 3:23 6.10 n/a .000
00656# + 1.0 01:EXT50 24.24 .154 No_date 3:23 6.10 n/a .000
00657# + 1.0 01:EXT51 24.24 .154 No_date 3:23 6.10 n/a .000
00658# + 1.0 01:EXT52 24.24 .154 No_date 3:23 6.10 n/a .000
00659# + 1.0 01:EXT53 24.24 .154 No_date 3:23 6.10 n/a .000
00660# + 1.0 01:EXT54 24.24 .154 No_date 3:23 6.10 n/a .000
00661# + 1.0 01:EXT55 24.24 .154 No_date 3:23 6.10 n/a .000
00662# + 1.0 01:EXT56 24.24 .154 No_date 3:23 6.10 n/a .000
00663# + 1.0 01:EXT57 24.24 .154 No_date 3:23 6.10 n/a .000
00664# + 1.0 01:EXT58 24.24 .154 No_date 3:23 6.10 n/a .000
00665# + 1.0 01:EXT59 24.24 .154 No_date 3:23 6.10 n/a .000
00666# + 1.0 01:EXT60 24.24 .154 No_date 3:23 6.10 n/a .000
00667# + 1.0 01:EXT61 24.24 .154 No_date 3:23 6.10 n/a .000
00668# + 1.0 01:EXT62 24.24 .154 No_date 3:23 6.10 n/a .000
00669# + 1.0 01:EXT63 24.24 .154 No_date 3:23 6.10 n/a .000
00670# + 1.0 01:EXT64 24.24 .154 No_date 3:23 6.10 n/a .000
00671# + 1.0 01:EXT65 24.24 .154 No_date 3:23 6.10 n/a .000
00672# + 1.0 01:EXT66 24.24 .154 No_date 3:23 6.10 n/a .000
00673# + 1.0 01:EXT67 24.24 .154 No_date 3:23 6.10 n/a .000
00674# + 1.0 01:EXT68 24.24 .154 No_date 3:23 6.10 n/a .000
00675# + 1.0 01:EXT69 24.24 .154 No_date 3:23 6.10 n/a .000
00676# + 1.0 01:EXT70 24.24 .154 No_date 3:23 6.10 n/a .000
00677# + 1.0 01:EXT71 24.24 .154 No_date 3:23 6.10 n/a .000
00678# + 1.0 01:EXT72 24.24 .154 No_date 3:23 6.10 n/a .000
00679# + 1.0 01:EXT73 24.24 .154 No_date 3:23 6.10 n/a .000
00680# + 1.0 01:EXT74 24.24 .154 No_date 3:23 6.10 n/a .000
00681# + 1.0 01:EXT75 24.24 .154 No_date 3:23 6.10 n/a .000
00682# + 1.0 01:EXT76 24.24 .154 No_date 3:23 6.10 n/a .000
00683# + 1.0 01:EXT77 24.24 .154 No_date 3:23 6.10 n/a .000
00684# + 1.0 01:EXT78 24.24 .154 No_date 3:23 6.10 n/a .000
00685# + 1.0 01:EXT79 24.24 .154 No_date 3:23 6.10 n/a .000
00686# + 1.0 01:EXT80 24.24 .154 No_date 3:23 6.10 n/a .000
00687# + 1.0 01:EXT81 24.24 .154 No_date 3:23 6.10 n/a .000
00688# + 1.0 01:EXT82 24.24 .154 No_date 3:23 6.10 n/a .000
00689# + 1.0 01:EXT83 24.24 .154 No_date 3:23 6.10 n/a .000
00690# + 1.0 01:EXT84 24.24 .154 No_date 3:23 6.10 n/a .000
00691# + 1.0 01:EXT85 24.24 .154 No_date 3:23 6.10 n/a .000
00692# + 1.0 01:EXT86 24.24 .154 No_date 3:23 6.10 n/a .000
00693# + 1.0 01:EXT87 24.24 .154 No_date 3:23 6.10 n/a .000
00694# + 1.0 01:EXT88 24.24 .154 No_date 3:23 6.10 n/a .000
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01441> (Vmax=.488;Dmax=.410)
01442> R025:C0003>-----DtmIn-ID:HYDV-----AREAhA-OPEARcns-TpeakDate_hh:mm-----RvM-R-C-----DWfMS
01443> ADD HYD + 1.0 02:185 379.46 2.011 No_date 4:50 10.87 n/a .000
01444> SUMM: 1.0 01:57 379.46 2.011 No_date 4:50 10.87 n/a .000
01445> R025:C0004>-----DtmIn-ID:HYDV-----AREAhA-OPEARcns-TpeakDate_hh:mm-----RvM-R-C-----DWfMS
01446> ROUTE CHANNEL -> 1.0 02:EXT1 60.46 4.47 No_date 3:16 9.64 n/a .000
01447> (RDT=1.00) out< 1.0 01:196 60.46 4.47 No_date 3:16 9.64 n/a .000
01448> (L/S= 871./ 4147./035)
01449> (Vmax=.406;Dmax=.312)
01450> R025:C0005>-----DtmIn-ID:HYDV-----AREAhA-OPEARcns-TpeakDate_hh:mm-----RvM-R-C-----DWfMS
01451> ROUTE CHANNEL -> 1.0 02:EXT2 7.62 .132 No_date 2:11 14.15 n/a .000
01452> (RDT=1.00) out< 1.0 01:197 7.62 .132 No_date 2:11 14.15 n/a .000
01453> (L/S= 651./ 258./035)
01454> (Vmax=.193;Dmax=.106)
01455> R025:C0006>-----DtmIn-ID:HYDV-----AREAhA-OPEARcns-TpeakDate_hh:mm-----RvM-R-C-----DWfMS
01456> ROUTE CHANNEL -> 1.0 02:EXT3 17.96 .181 No_date 3:08 12.47 n/a .000
01457> (RDT=1.00) out< 1.0 01:198 17.96 .181 No_date 3:08 12.47 n/a .000
01458> (L/S= 181./ 339./035)
01459> (Vmax=.444;Dmax=.330)
01460> R025:C0007>-----DtmIn-ID:HYDV-----AREAhA-OPEARcns-TpeakDate_hh:mm-----RvM-R-C-----DWfMS
01461> ADD HYD + 1.0 02:187 7.62 .132 No_date 2:11 14.15 n/a .000
01462> + 1.0 02:188 17.96 .180 No_date 3:14 12.47 n/a .000
01463> SUMM: 1.0 01:210 25.58 .278 No_date 3:06 12.97 n/a .000
01464> R025:C0008>-----DtmIn-ID:HYDV-----AREAhA-OPEARcns-TpeakDate_hh:mm-----RvM-R-C-----DWfMS
01465> ROUTE CHANNEL -> 1.0 02:EXT1 379.46 2.011 No_date 4:50 10.87 n/a .000
01466> (RDT=1.00) out< 1.0 01:189 25.58 .276 No_date 3:15 12.97 n/a .000
01467> (L/S= 366./ 4147./035)
01468> (Vmax=.534;Dmax=.199)
01469> R025:C0009>-----DtmIn-ID:HYDV-----AREAhA-OPEARcns-TpeakDate_hh:mm-----RvM-R-C-----DWfMS
01470> ADD HYD + 1.0 02:189 25.58 .276 No_date 3:15 12.97 n/a .000
01471> + 1.0 02:190 64 .014 No_date 1:33 9.72 n/a .000
01472> + 1.0 02:191 60.48 .155 No_date 2:04 11.40 n/a .000
01473> + 1.0 02:192 60.48 .781 No_date 2:31 12.47 n/a .000
01474> SUMM: 1.0 01:CATCHMENT 148.71 4.408 No_date 2:58 11.38 n/a .000
01475> R025:C00040>-----DtmIn-ID:HYDV-----AREAhA-OPEARcns-TpeakDate_hh:mm-----RvM-R-C-----DWfMS
01476> ROUTE CHANNEL -> 1.0 02:EXT1 60.46 4.43 No_date 3:14 9.64 n/a .000
01477> (RDT=1.00) out< 1.0 01:195 60.46 4.43 No_date 3:14 9.64 n/a .000
01478> + 1.0 02:196 25.58 .276 No_date 3:15 12.97 n/a .000
01479> + 1.0 02:197 64 .014 No_date 1:33 9.72 n/a .000
01480> + 1.0 02:198 60.48 .781 No_date 2:31 12.47 n/a .000
01481> SUMM: 1.0 02:SITE 60.48 .781 No_date 2:31 12.47 n/a .000
01482> (L/S= 181./ 339./035)
01483> R025:C00041>-----DtmIn-ID:HYDV-----AREAhA-OPEARcns-TpeakDate_hh:mm-----RvM-R-C-----DWfMS
01484> ROUTE CHANNEL -> 1.0 02:EXT1 526.62 2.862 No_date 4:08 11.01 n/a .000
01485> (RDT=1.00) out< 1.0 01:191 526.62 2.862 No_date 4:17 11.01 n/a .000
01486> (L/S= 308./ 100./035)
01487> (Vmax=.488;Dmax=.410)
01488> R025:C00042>-----DtmIn-ID:HYDV-----AREAhA-OPEARcns-TpeakDate_hh:mm-----RvM-R-C-----DWfMS
01489> ADD HYD + 1.0 02:199 526.62 2.862 No_date 4:17 11.01 n/a .000
01490> + 1.0 02:196 25.58 .276 No_date 3:15 12.97 n/a .000
01491> + 1.0 02:198 14.26 .350 No_date 2:25 22.91 n/a .000
01492> SUMM: 1.0 01:212 566.50 3.213 No_date 4:02 11.43 n/a .000
01493> R025:C00043>-----DtmIn-ID:HYDV-----AREAhA-OPEARcns-TpeakDate_hh:mm-----RvM-R-C-----DWfMS
01494> ROUTE CHANNEL -> 1.0 02:EXT1 566.50 3.213 No_date 4:02 11.43 n/a .000
01495> (RDT=1.00) out< 1.0 01:191 566.50 3.213 No_date 4:02 11.43 n/a .000
01496> (L/S= 1182./ 100./035)
01497> (Vmax=.422;Dmax=.368)
01498> R025:C00044>-----DtmIn-ID:HYDV-----AREAhA-OPEARcns-TpeakDate_hh:mm-----RvM-R-C-----DWfMS
01499> ADD HYD + 1.0 02:201 79.25 1.131 No_date 3:06 17.66 n/a .000
01500> + 1.0 02:193 12.05 .273 No_date 2:06 17.66 n/a .000
01501> + 1.0 02:194 171.81 1.198 No_date 3:18 14.60 n/a .000
01502> SUMM: 1.0 01:213 201.11 2.478 No_date 3:18 14.60 n/a .000
01503> R025:C00045>-----DtmIn-ID:HYDV-----AREAhA-OPEARcns-TpeakDate_hh:mm-----RvM-R-C-----DWfMS
01504> ROUTE CHANNEL -> 1.0 02:EXT1 201.11 2.478 No_date 3:18 14.60 n/a .000
01505> (RDT=1.00) out< 1.0 01:192 201.11 2.478 No_date 3:18 14.60 n/a .000
01506> (L/S= 706./ 116./035)
01507> (Vmax=.488;Dmax=.410)
01508> R025:C00046>-----DtmIn-ID:HYDV-----AREAhA-OPEARcns-TpeakDate_hh:mm-----RvM-R-C-----DWfMS
01509> ADD HYD + 1.0 02:202 65.89 .951 No_date 3:14 18.83 n/a .000
01510> + 1.0 02:195 171.81 1.198 No_date 3:18 14.60 n/a .000
01511> + 1.0 02:192 201.11 2.430 No_date 3:11 18.30 n/a .000
01512> SUMM: 1.0 01:214 438.81 4.426 No_date 3:37 16.93 n/a .000
01513> R025:C00047>-----DtmIn-ID:HYDV-----AREAhA-OPEARcns-TpeakDate_hh:mm-----RvM-R-C-----DWfMS
01514> ROUTE CHANNEL -> 1.0 02:EXT1 438.81 4.426 No_date 3:37 16.93 n/a .000
01515> (RDT=1.00) out< 1.0 01:193 438.81 4.426 No_date 3:40 16.93 n/a .000
01516> (L/S= 1015./ 100./035)
01517> (Vmax=.375;Dmax=.168)
01518> R025:C00048>-----DtmIn-ID:HYDV-----AREAhA-OPEARcns-TpeakDate_hh:mm-----RvM-R-C-----DWfMS
01519> ADD HYD + 1.0 02:203 60.20 6.55 No_date 4:24 22.16 n/a .000
01520> + 1.0 02:197 68.50 1.08 No_date 3:45 20.75 n/a .000
01521> + 1.0 02:197 47.26 6.07 No_date 3:45 20.75 n/a .000
01522> SUMM: 1.0 01:215 118.71 8.795 No_date 4:12 14.82 n/a .000
01523> + 1.0 02:193 438.81 4.426 No_date 3:37 16.93 n/a .000
01524> SUMM: 1.0 01:215 118.71 8.795 No_date 4:12 14.82 n/a .000
01525> R025:C00049>-----DtmIn-ID:HYDV-----AREAhA-OPEARcns-TpeakDate_hh:mm-----RvM-R-C-----DWfMS
01526> ROUTE CHANNEL -> 1.0 02:EXT1 118.71 8.795 No_date 4:12 14.82 n/a .000
01527> (RDT=1.00) out< 1.0 01:214 118.71 8.795 No_date 5:06 14.82 n/a .000
01528> (L/S= 556./ 100./035)
01529> (Vmax=.521;Dmax=.500)
01530> R025:C00050>-----DtmIn-ID:HYDV-----AREAhA-OPEARcns-TpeakDate_hh:mm-----RvM-R-C-----DWfMS
01531> ADD HYD + 1.0 02:199 24.24 .502 No_date 2:26 19.45 n/a .000
01532> + 1.0 02:204 1181.27 4.339 No_date 4:14 14.82 n/a .000
01533> SUMM: 1.0 01:007 1205.51 8.709 No_date 4:12 14.92 n/a .000
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01801 *****
01802 R050:CO0045-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
01803 ROUTE CHANNEL -> 1.0 02:313 201.11 3.002 No_date 3:17 22.14 n/a .000
01804 [RDT= 1.00] out<- 1.0 01:812 201.11 2.946 No_date 3:30 22.14 n/a .000
01805 [L/S/N= 706./ 100./035]
01806 (Vmax=.729;Dmax=.112)
01807 R050:CO0046-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
01808 ADD HYD + 1.0 02:274 65.89 1.151 No_date 3:13 22.76 n/a .000
01809 + 1.0 02:275 171.81 1.462 No_date 4:31 17.81 n/a .000
01810 + 1.0 02:812 201.11 2.946 No_date 3:30 22.14 n/a .000
01811 01:01:214 438.81 5.371 No_date 3:36 20.54 n/a .000
01812 R050:CO0047-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
01813 ROUTE CHANNEL -> 1.0 01:214 438.81 5.371 No_date 3:36 20.54 n/a .000
01814 [RDT= 1.00] out<- 1.0 01:813 438.81 4.744 No_date 4:26 20.54 n/a .000
01815 [L/S/N= 706./ 100./035]
01816 (Vmax=.385;Dmax=.118)
01817 R050:CO0048-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
01818 ADD HYD + 1.0 02:276 60.20 .786 No_date 4:24 26.59 n/a .000
01819 + 1.0 02:277 68.50 .856 No_date 4:04 22.76 n/a .000
01820 + 1.0 02:812 201.11 2.946 No_date 3:30 22.14 n/a .000
01821 + 1.0 02:811 566.50 3.737 No_date 4:37 14.03 n/a .000
01822 + 1.0 02:812 438.81 4.744 No_date 4:26 20.54 n/a .000
01823 R050:CO0049-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
01824 ROUTE CHANNEL -> 1.0 01:215 1181.27 10.776 No_date 4:25 18.03 n/a .000
01825 [RDT= 1.00] out<- 1.0 01:814 1181.27 10.654 No_date 4:37 18.03 n/a .000
01826 [L/S/N= 556./ 100./035]
01827 (Vmax=.561;Dmax=.560)
01828 R050:CO0050-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
01829 ADD HYD + 1.0 02:814 1181.27 10.654 No_date 4:37 18.03 n/a .000
01830 24:100
01831 + 1.0 02:814 1181.27 10.654 No_date 4:37 18.03 n/a .000
01832 SUM= 10.010207 43.33 18.14 n/a .000
01833 *****
01834 # STORM#
01835 *****
01836 ** END OF RUN : 98
01837 *****
01838 *****
01839 *****
01840 *****
01841 CALIB NASHYD 1.0 01:EXT3 60.46 .670 No_date 3:15 14.43 .201 .000
01842 [CN= 51.0; N= 3.00; Tpe= 1.75]
01843 *****
01844 R050:COMMAND#
01845 *****
01846 START
01847 (TZERO = .00 hrs on 0)
01848 (MXTOUT= 2 (1=imperial, 2=metric output))
01849 (MFORM= )
01850 (MUN = 009)
01851 # SWHYD / INPUT DATA FILE
01852 # Project Name : [Tamarack Richmond]
01853 # Date : [2025 JULY 18]
01854 # Modeler : [JF and OS]
01855 # Company : [JFSA Canada Inc.]
01856 # License # : 2549237
01857 *****
01858 # Model developed to simulate runoff from subcatchments under pre development conditions
01859 *****
01860 R050:CO0002-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
01861 READ STORM#
01862 FILENAME= STORM_001
01863 Comment= CHICAGO STORM 100 Year, 3 Hours
01864 (MFORM= )
01865 (MUN = 009)
01866 *****
01867 R050:CO0003-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
01868 ADD HYD + 1.0 02:184 1181.27 10.654 No_date 4:37 18.03 n/a .000
01869 + 1.0 02:184 1181.27 10.654 No_date 4:37 18.03 n/a .000
01870 + 1.0 02:812 201.11 2.946 No_date 3:30 22.14 n/a .000
01871 R050:CO0003-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
01872 CALIB NASHYD 1.0 01:EXT3 60.46 .670 No_date 3:15 14.43 .201 .000
01873 [CN= 51.0; N= 3.00; Tpe= 1.75]
01874 *****
01875 # EXT#
01876 *****
01877 R050:CO0004-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
01878 CALIB NASHYD 1.0 01:EXT2 7.62 .195 No_date 2:10 20.76 .290 .000
01879 [CN= 61.0; N= 3.00; Tpe= .92]
01880 *****
01881 # EXT#
01882 *****
01883 R050:CO0005-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
01884 CALIB NASHYD 1.0 01:EXT3 17.96 .267 No_date 3:06 18.43 .257 .000
01885 [CN= 59.0; N= 3.00; Tpe= 1.64]
01886 *****
01887 # EXT#
01888 *****
01889 R050:CO0006-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
01890 CALIB NASHYD 1.0 01:EXT4 50.96 .953 No_date 3:26 15.16 .183 .000
01891 [CN= 48.0; N= 3.00; Tpe= .43]
01892 *****
01893 # EXT#
01894 *****
01895 R050:CO0007-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
01896 CALIB NASHYD 1.0 01:EXT5 1.55 .053 No_date 1:33 16.84 .235 .000
01897 [CN= 59.0; N= 3.00; Tpe= 1.75]
01898 *****
01899 # M#
01900 *****
01901 R050:CO0008-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
01902 CALIB NASHYD 1.0 01:EXT5 111.89 1.614 No_date 3:11 18.43 .257 .000
01903 [CN= 59.0; N= 3.00; Tpe= 1.71]
01904 *****
01905 # M#
01906 *****
01907 R050:CO0009-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
01908 CALIB NASHYD 1.0 01:EXT2 119.73 .865 No_date 4:35 15.36 .214 .000
01909 [CN= 51.0; N= 3.00; Tpe= 1.12]
01910 *****
01911 # M#
01912 *****
01913 R050:CO0010-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
01914 CALIB NASHYD 1.0 01:EXT3 39.07 .380 No_date 3:11 12.29 .172 .000
01915 [CN= 46.0; N= 3.00; Tpe= 1.64]
01916 *****
01917 # M#
01918 *****
01919 R050:CO0011-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
01920 CALIB NASHYD 1.0 01:EXT4 50.96 .953 No_date 3:26 15.16 .183 .000
01921 [CN= 58.0; N= 3.00; Tpe= 1.95]
01922 *****
01923 # M#
01924 *****
01925 R050:CO0012-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
01926 CALIB NASHYD 1.0 01:EXT5 56.26 .632 No_date 3:34 16.84 .235 .000
01927 [CN= 59.0; N= 3.00; Tpe= 1.71]
01928 *****
01929 # M#
01930 *****
01931 R050:CO0013-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
01932 CALIB NASHYD 1.0 01:EXT6 25.62 .384 No_date 3:18 20.16 .181 .000
01933 [CN= 62.0; N= 3.00; Tpe= 1.83]
01934 *****
01935 # M#
01936 *****
01937 R050:CO0014-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
01938 CALIB NASHYD 1.0 01:EXT7 47.26 .867 No_date 3:43 29.59 .413 .000
01939 [CN= 75.0; N= 3.00; Tpe= 2.29]
01940 *****
01941 # M#
01942 *****
01943 R050:CO0015-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
01944 CALIB NASHYD 1.0 01:EXT8 14.26 .498 No_date 2:24 32.37 .452 .000
01945 [CN= 46.0; N= 3.00; Tpe= 1.64]
01946 *****
01947 # M#
01948 *****
01949 R050:CO0016-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
01950 CALIB NASHYD 1.0 01:EXT6 24.24 .325 No_date 2:25 27.89 .389 .000
01951 [CN= 73.0; N= 3.00; Tpe= 1.13]
01952 *****
01953 # SITE
01954 *****
01955 R050:CO0017-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
01956 CALIB NASHYD 1.0 01:SITE 60.48 1.160 No_date 2:29 18.43 .257 .000
01957 [CN= 59.0; N= 3.00; Tpe= 1.71]
01958 *****
01959 # T#
01960 *****
01961 R050:CO0018-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
01962 CALIB NASHYD 1.0 01:EXT6 79.25 1.639 No_date 3:05 25.52 .336 .000
01963 [CN= 70.0; N= 3.00; Tpe= 1.64]
01964 *****
01965 # T#
01966 *****
01967 R050:CO0019-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
01968 CALIB NASHYD 1.0 01:EXT2 109.81 1.809 No_date 3:47 27.07 .378 .000
01969 [CN= 72.0; N= 3.00; Tpe= 2.34]
01970 *****
01971 # T#
01972 *****
01973 R050:CO0020-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
01974 CALIB NASHYD 1.0 01:EXT3 12.05 .399 No_date 2:05 25.52 .356 .000
01975 [CN= 70.0; N= 3.00; Tpe= 1.83]
01976 *****
01977 # T#
01978 *****
01979 R050:CO0021-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
01980 CALIB NASHYD 1.0 01:EXT4 65.89 1.371 No_date 3:12 27.07 .378 .000

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01981 [CN= 72.0; N= 3.00; Tpe= 1.76]
01982 *****
01983 # T#
01984 *****
01985 R050:CO0022-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
01986 CALIB NASHYD 1.0 01:EXT5 171.81 1.755 No_date 4:31 21.39 .298 .000
01987 [CN= 61.0; N= 3.00; Tpe= 1.71]
01988 *****
01989 # T#
01990 *****
01991 R050:CO0023-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
01992 CALIB NASHYD 1.0 01:EXT6 60.20 .929 No_date 4:23 31.42 .438 .000
01993 [CN= 77.0; N= 3.00; Tpe= 2.98]
01994 *****
01995 # T#
01996 *****
01997 R050:CO0024-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
01998 CALIB NASHYD 1.0 01:EXT7 68.50 1.019 No_date 4:04 27.07 .378 .000
01999 [CN= 72.0; N= 3.00; Tpe= 2.63]
02000 *****
02001 R050:CO0025-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
02002 CALIB NASHYD 1.0 02:811 111.89 1.614 No_date 3:11 18.43 n/a .000
02003 [RDT= 1.00] out<- 1.0 01:81 111.89 1.048 No_date 4:27 18.43 n/a .000
02004 [L/S/N= 291./ 105./035]
02005 (Vmax=.352;Dmax=.528)
02006 R050:CO0026-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
02007 ADD HYD + 1.0 02:812 119.73 .865 No_date 4:35 15.36 n/a .000
02008 + 1.0 02:813 39.07 .380 No_date 3:11 12.29 n/a .000
02009 + 1.0 02:812 270.69 2.195 No_date 4:14 16.19 n/a .000
02010 R050:CO0027-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
02011 CALIB NASHYD 1.0 01:EXT2 270.69 2.180 No_date 4:27 16.19 n/a .000
02012 [RDT= 1.00] out<- 1.0 01:82 270.69 2.180 No_date 4:27 16.19 n/a .000
02013 [L/S/N= 471./ 221./035]
02014 (Vmax=.552;Dmax=.458)
02015 R050:CO0028-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
02016 ADD HYD + 1.0 02:184 321.65 3.066 No_date 4:42 16.17 n/a .000
02017 + 1.0 02:184 321.65 3.066 No_date 4:42 16.17 n/a .000
02018 + 1.0 02:184 321.65 3.066 No_date 4:42 16.17 n/a .000
02019 + 1.0 02:184 321.65 3.066 No_date 4:42 16.17 n/a .000
02020 R050:CO0029-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
02021 CALIB NASHYD 1.0 02:EXT3 321.65 2.659 No_date 4:13 16.05 n/a .000
02022 [RDT= 1.00] out<- 1.0 01:83 321.65 2.562 No_date 4:38 16.05 n/a .000
02023 [L/S/N= 734./ 100./035]
02024 (Vmax=.392;Dmax=.395)
02025 R050:CO0030-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
02026 CALIB NASHYD 1.0 02:EXT5 1.55 .053 No_date 1:33 16.84 n/a .000
02027 [RDT= 1.00] out<- 1.0 01:84 1.55 .035 No_date 2:02 16.84 n/a .000
02028 [L/S/N= 693./ 720./035]
02029 (Vmax=.312;Dmax=.107)
02030 R050:CO0031-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
02031 ADD HYD + 1.0 02:184 321.65 3.066 No_date 4:42 16.17 n/a .000
02032 + 1.0 02:184 321.65 3.066 No_date 4:42 16.17 n/a .000
02033 + 1.0 02:184 321.65 3.066 No_date 4:42 16.17 n/a .000
02034 + 1.0 02:184 321.65 3.066 No_date 4:42 16.17 n/a .000
02035 R050:CO0032-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
02036 CALIB NASHYD 1.0 02:EXT4 379.46 3.113 No_date 4:25 16.17 n/a .000
02037 [RDT= 1.00] out<- 1.0 01:85 379.46 3.066 No_date 4:42 16.17 n/a .000
02038 [L/S/N= 664./ 157./035]
02039 (Vmax=.558;Dmax=.501)
02040 R050:CO0033-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
02041 ADD HYD + 1.0 02:185 379.46 3.066 No_date 4:42 16.17 n/a .000
02042 + 1.0 02:185 379.46 3.066 No_date 4:42 16.17 n/a .000
02043 R050:CO0034-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
02044 CALIB NASHYD 1.0 02:EXT1 60.46 .670 No_date 3:15 14.43 n/a .000
02045 [RDT= 1.00] out<- 1.0 01:86 60.46 .655 No_date 3:30 14.43 n/a .000
02046 [L/S/N= 871./ 343./035]
02047 (Vmax=.491;Dmax=.383)
02048 R050:CO0035-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
02049 CALIB NASHYD 1.0 02:EXT2 7.62 .195 No_date 2:10 20.76 n/a .000
02050 [RDT= 1.00] out<- 1.0 01:87 7.62 1.43 No_date 3:00 20.76 n/a .000
02051 [L/S/N= 651./ 238./035]
02052 (Vmax=.454;Dmax=.469)
02053 R050:CO0036-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
02054 CALIB NASHYD 1.0 02:EXT3 17.96 .267 No_date 3:06 18.43 n/a .000
02055 [L/S/N= 181./ 339./035]
02056 (Vmax=.454;Dmax=.469)
02057 R050:CO0037-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
02058 CALIB NASHYD 1.0 02:EXT4 17.96 .267 No_date 3:06 18.43 n/a .000
02059 + 1.0 02:EXT5 17.96 .267 No_date 3:06 18.43 n/a .000
02060 + 1.0 02:EXT6 17.96 .267 No_date 3:06 18.43 n/a .000
02061 + 1.0 02:EXT7 17.96 .267 No_date 3:06 18.43 n/a .000
02062 R050:CO0038-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
02063 CALIB NASHYD 1.0 02:EXT10 25.58 .409 No_date 3:07 19.13 n/a .000
02064 [RDT= 1.00] out<- 1.0 01:89 25.58 .409 No_date 3:15 19.13 n/a .000
02065 [L/S/N= 346./ 414./035]
02066 (Vmax=.608;Dmax=.245)
02067 R050:CO0039-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
02068 ADD HYD + 1.0 02:186 60.46 .655 No_date 3:30 14.43 n/a .000
02069 + 1.0 02:189 25.58 .407 No_date 3:15 19.13 n/a .000
02070 + 1.0 02:184 321.65 3.066 No_date 4:42 16.17 n/a .000
02071 + 1.0 02:184 321.65 3.066 No_date 4:42 16.17 n/a .000
02072 + 1.0 02:184 321.65 3.066 No_date 4:42 16.17 n/a .000
02073 + 1.0 02:184 321.65 3.066 No_date 4:42 16.17 n/a .000
02074 R050:CO0040-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
02075 CALIB NASHYD 1.0 02:EXT7 379.46 3.066 No_date 4:42 16.17 n/a .000
02076 + 1.0 02:186 60.46 .655 No_date 3:30 14.43 n/a .000
02077 + 1.0 02:189 25.58 .407 No_date 3:15 19.13 n/a .000
02078 + 1.0 02:EXT4 .64 .017 No_date 1:32 13.12 n/a .000
02079 + 1.0 02:SITE 60.48 1.160 No_date 2:29 18.43 n/a .000
02080 + 1.0 01:211 438.81 4.744 No_date 4:26 20.54 n/a .000
02081 R050:CO0041-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
02082 CALIB NASHYD 1.0 02:EXT8 526.62 4.414 No_date 4:09 16.37 n/a .000
02083 [RDT= 1.00] out<- 1.0 01:810 526.62 4.484 No_date 4:09 16.37 n/a .000
02084 [L/S/N= 308./ 107./035]
02085 (Vmax=.454;Dmax=.469)
02086 R050:CO0042-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
02087 CALIB NASHYD 1.0 02:EXT6 60.20 .929 No_date 4:23 31.42 n/a .000
02088 + 1.0 02:186 25.62 .384 No_date 3:18 20.16 n/a .000
02089 + 1.0 02:189 14.26 .498 No_date 2:24 32.37 n/a .000
02090 + 1.0 02:184 321.65 3.066 No_date 4:42 16.17 n/a .000
02091 R050:CO0043-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
02092 CALIB NASHYD 1.0 01:EXT12 566.50 4.617 No_date 4:37 14.03 n/a .000
02093 [RDT= 1.00] out<- 1.0 01:811 566.50 4.617 No_date 4:31 16.95 n/a .000
02094 [L/S/N= 1182./ 100./035]
02095 (Vmax=.481;Dmax=.388)
02096 R050:CO0044-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
02097 ADD HYD + 1.0 02:187 109.81 1.809 No_date 3:47 27.07 n/a .000
02098 + 1.0 02:EXT3 12.05 .399 No_date 2:05 25.52 n/a .000
02099 + 1.0 02:184 321.65 3.066 No_date 4:42 16.17 n/a .000
02100 R050:CO0045-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
02101 CALIB NASHYD 1.0 01:EXT13 201.11 3.513 No_date 3:29 26.37 n/a .000
02102 [RDT= 1.00] out<- 1.0 01:812 201.11 3.513 No_date 3:29 26.37 n/a .000
02103 [L/S/N= 706./ 116./035]
02104 (Vmax=.742;Dmax=.308)
02105 R050:CO0046-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
02106 CALIB NASHYD 1.0 02:EXT4 65.89 1.371 No_date 3:12 27.07 n/a .000
02107 + 1.0 02:EXT5 171.81 1.755 No_date 4:31 21.39 n/a .000
02108 + 1.0 02:EXT6 201.11 3.513 No_date 3:29 26.37 n/a .000
02109 + 1.0 02:EXT7 438.81 4.744 No_date 4:26 20.54 n/a .000
02110 R050:CO0047-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
02111 CALIB NASHYD 1.0 02:EXT12 438.81 4.744 No_date 4:26 20.54 n/a .000
02112 + [RDT= 1.00] out<- 1.0 01:813 438.81 5.766 No_date 4:20 24.52 n/a .000
02113 [L/S/N= 1015./ 100./035]
02114 (Vmax=.401;Dmax=.123)
02115 R050:CO0048-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
02116 CALIB NASHYD 1.0 02:EXT7 68.50 1.019 No_date 4:04 27.07 n/a .000
02117 + 1.0 02:EXT8 47.26 .867 No_date 3:43 29.59 n/a .000
02118 + 1.0 02:EXT9 566.50 4.617 No_date 4:37 14.03 n/a .000
02119 + 1.0 02:EXT13 438.81 5.766 No_date 4:20 24.52 n/a .000
02120 + 1.0 02:EXT12 1181.27 13.123 No_date 4:20 21.59 n/a .000
02121 [RDT= 1.00] out<- 1.0 01:814 1181.27 12.978 No_date 4:28 21.59 n/a .000
02122 [L/S/N= 556./ 100./035]
02123 (Vmax=.601;Dmax=.628)
02124 R050:CO0050-----DtmIn-ID:INHYD-----AREAhA-QFEARcMs-TPeakDate_hh:mm-----RvMm-R.C-----DWfMcs
02125 ADD HYD + 1.0 02:189 24.24 .325 No_date 2:25 27.89 n/a .000
02126 + 1.0 02:184 1181.27 12.978 No_date 4:28 21.59 n/a .000
02127 + 1.0 01:EXT6 1200.51 13.208 No_date 4:28 21.72 n/a .000
02128 *****
02129 # STORM#
02130 *****
02131 *****
02132 *****
02133 *****
02134 *****
02135 *****
02136 *****
02137 *****
02138 *****
02139 *****
02140 *****
02141 *****
02142 *****
02143 R050:COMMAND#
02144 *****
02145 START
02146 (TZERO = .00 hrs on 0)
02147 (MXTOUT= 2 (1=imperial, 2=metric output))
02148 (MFORM= )
02149 (MUN = 010)
02150 # SWHYD / INPUT DATA FILE
02151 # Project Name : [Tamarack Richmond]
02152 # Date : [2025 JULY 18]
02153 # Modeler : [JF and OS]
02154 # Company : [JFSA Canada Inc.]
02155 # License # : 2549237
02156 # Model developed to simulate runoff from subcatchments under pre development conditions

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02161# *****
02162# READ STORM
02163#
02164# Filename = STORM_001
02165# Comment = 2 Years SCE Type 2 Storm 24 Hours step 10 min, City of Ottawa
02166# [SDT=10.00;SDUR= 24.00;PDT= 48.46]
02167# *****
02168# EXT1
02169# *****
02170# R0102:C00003-----DtmIn-ID:HNVD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rwm-R-C-----DWfms
02171# CALIB NASHYD 1.0 01:EXT1 60.46 .198 No_date 14:00 6.66 .137 .000
02172# [CNF 59.0: Nm 3.00: Tpm 1.88]
02173# *****
02174# EXT2
02175# *****
02176# R0102:C00004-----DtmIn-ID:HNVD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rwm-R-C-----DWfms
02177# CALIB NASHYD 1.0 01:EXT2 7.62 .061 No_date 12:57 9.94 .209 .000
02178# [CNF 63.0: Nm 3.00: Tpm .92]
02179# *****
02180# EXT3
02181# *****
02182# R0102:C00005-----DtmIn-ID:HNVD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rwm-R-C-----DWfms
02183# CALIB NASHYD 1.0 01:EXT3 17.96 .081 No_date 13:51 8.70 .180 .000
02184# [CNF 59.0: Nm 3.00: Tpm 1.64]
02185# *****
02186# EXT4
02187# *****
02188# R0102:C00006-----DtmIn-ID:HNVD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rwm-R-C-----DWfms
02189# CALIB NASHYD 1.0 01:EXT4 .64 .005 No_date 12:22 6.01 .124 .000
02190# [CNF 48.0: Nm 3.00: Tpm .43]
02191# *****
02192# EXT5
02193# *****
02194# R0102:C00007-----DtmIn-ID:HNVD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rwm-R-C-----DWfms
02195# CALIB NASHYD 1.0 01:EXT5 1.55 .017 No_date 12:22 7.88 .163 .000
02196# [CNF 56.0: Nm 3.00: Tpm .44]
02197# *****
02198# M1
02199# *****
02200# R0102:C00008-----DtmIn-ID:HNVD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rwm-R-C-----DWfms
02201# CALIB NASHYD 1.0 01:M1 111.89 .492 No_date 13:56 8.70 .180 .000
02202# [CNF 59.0: Nm 3.00: Tpm 1.64]
02203# *****
02204# M2
02205# *****
02206# R0102:C00009-----DtmIn-ID:HNVD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rwm-R-C-----DWfms
02207# CALIB NASHYD 1.0 01:M2 119.73 .272 No_date 15:43 7.13 .147 .000
02208# [CNF 59.0: Nm 3.00: Tpm 3.12]
02209# *****
02210# M3
02211# *****
02212# R0102:C00010-----DtmIn-ID:HNVD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rwm-R-C-----DWfms
02213# CALIB NASHYD 1.0 01:M3 39.07 .110 No_date 13:55 5.61 .116 .000
02214# [CNF 46.0: Nm 3.00: Tpm 1.68]
02215# *****
02216# M4
02217# *****
02218# R0102:C00011-----DtmIn-ID:HNVD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rwm-R-C-----DWfms
02219# CALIB NASHYD 1.0 01:M4 50.96 .165 No_date 14:14 7.13 .147 .000
02220# [CNF 52.0: Nm 3.00: Tpm 1.93]
02221# *****
02222# M5
02223# *****
02224# R0102:C00012-----DtmIn-ID:HNVD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rwm-R-C-----DWfms
02225# CALIB NASHYD 1.0 01:M5 56.05 .192 No_date 14:26 7.88 .163 .000
02226# [CNF 56.0: Nm 3.00: Tpm 2.09]
02227# *****
02228# M6
02229# *****
02230# R0102:C00013-----DtmIn-ID:HNVD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rwm-R-C-----DWfms
02231# CALIB NASHYD 1.0 01:M6 25.62 .119 No_date 14:05 9.61 .198 .000
02232# [CNF 59.0: Nm 3.00: Tpm 1.64]
02233# *****
02234# M7
02235# *****
02236# R0102:C00014-----DtmIn-ID:HNVD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rwm-R-C-----DWfms
02237# CALIB NASHYD 1.0 01:M7 47.26 .294 No_date 14:36 14.93 .308 .000
02238# [CNF 75.0: Nm 3.00: Tpm 2.29]
02239# *****
02240# M8
02241# *****
02242# R0102:C00015-----DtmIn-ID:HNVD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rwm-R-C-----DWfms
02243# CALIB NASHYD 1.0 01:M8 14.26 .170 No_date 13:11 16.61 .343 .000
02244# [CNF 78.0: Nm 3.00: Tpm 1.33]
02245# *****
02246# M9
02247# *****
02248# R0102:C00016-----DtmIn-ID:HNVD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rwm-R-C-----DWfms
02249# CALIB NASHYD 1.0 01:M9 24.24 .239 No_date 13:12 13.92 .287 .000
02250# [CNF 72.0: Nm 3.00: Tpm 1.81]
02251# *****
02252# SITE
02253# *****
02254# R0102:C00017-----DtmIn-ID:HNVD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rwm-R-C-----DWfms
02255# CALIB NASHYD 1.0 01:SITE 60.46 .198 No_date 14:00 6.66 .137 .000
02256# [CNF 59.0: Nm 3.00: Tpm 1.88]
02257# *****
02258# T1
02259# *****
02260# R0102:C00018-----DtmIn-ID:HNVD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rwm-R-C-----DWfms
02261# CALIB NASHYD 1.0 01:T1 79.25 .529 No_date 13:49 12.56 .259 .000
02262# [CNF 70.0: Nm 3.00: Tpm 1.81]
02263# *****
02264# T2
02265# *****
02266# R0102:C00019-----DtmIn-ID:HNVD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rwm-R-C-----DWfms
02267# CALIB NASHYD 1.0 01:T2 109.81 .601 No_date 14:40 13.45 .278 .000
02268# [CNF 72.0: Nm 3.00: Tpm 2.34]
02269# *****
02270# T3
02271# *****
02272# R0102:C00020-----DtmIn-ID:HNVD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rwm-R-C-----DWfms
02273# CALIB NASHYD 1.0 01:T3 12.05 .129 No_date 12:53 12.56 .259 .000
02274# [CNF 70.0: Nm 3.00: Tpm .87]
02275# *****
02276# T4
02277# *****
02278# R0102:C00021-----DtmIn-ID:HNVD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rwm-R-C-----DWfms
02279# CALIB NASHYD 1.0 01:T4 65.89 .448 No_date 13:58 13.45 .278 .000
02280# [CNF 72.0: Nm 3.00: Tpm 1.76]
02281# *****
02282# T5
02283# *****
02284# R0102:C00022-----DtmIn-ID:HNVD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rwm-R-C-----DWfms
02285# CALIB NASHYD 1.0 01:T5 171.83 .576 No_date 15:37 8.07 .212 .000
02286# [CNF 64.0: Nm 3.00: Tpm 3.07]
02287# *****
02288# T6
02289# *****
02290# R0102:C00023-----DtmIn-ID:HNVD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rwm-R-C-----DWfms
02291# CALIB NASHYD 1.0 01:T6 60.20 .329 No_date 15:26 16.02 .331 .000
02292# [CNF 70.0: Nm 3.00: Tpm 1.81]
02293# *****
02294# T7
02295# *****
02296# R0102:C00024-----DtmIn-ID:HNVD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rwm-R-C-----DWfms
02297# CALIB NASHYD 1.0 01:T7 68.50 .343 No_date 15:01 13.45 .278 .000
02298# [CNF 72.0: Nm 3.00: Tpm 2.63]
02299# *****
02300# R0102:C00025-----DtmIn-ID:HNVD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rwm-R-C-----DWfms
02301# ROUTE CHANNEL -> 1.0 02:M1 111.89 .492 No_date 13:56 8.70 n/a .000
02302# [R/S=1.00;out= 1.0 01:M1 111.89 .309 No_date 15:30 8.70 n/a .000]
02303# [L/S/N= 2381./, 109./035]
02304# [Vmax .295;Dmax .246]
02305# R0102:C00026-----DtmIn-ID:HNVD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rwm-R-C-----DWfms
02306# ADD HYD + 1.0 02:M1 111.89 .309 No_date 15:30 8.70 n/a .000
02307# + 1.0 02:M2 159.73 .272 No_date 15:43 7.13 n/a .000
02308# + 1.0 02:M3 39.07 .110 No_date 13:55 5.61 n/a .000
02309# + 1.0 02:M4 50.96 .165 No_date 14:14 7.13 n/a .000
02310# + 1.0 02:M5 56.05 .192 No_date 14:26 7.88 n/a .000
02311# R0102:C00027-----DtmIn-ID:HNVD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rwm-R-C-----DWfms
02312# ROUTE CHANNEL -> 1.0 02:T2 270.69 .659 No_date 15:23 7.56 n/a .000
02313# [R/S=1.00;out= 1.0 01:T2 270.69 .653 No_date 15:38 7.56 n/a .000]
02314# [L/S/N= 471./, 221./035]
02315# [Vmax .380;Dmax .287]
02316# R0102:C00028-----DtmIn-ID:HNVD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rwm-R-C-----DWfms
02317# ADD HYD + 1.0 02:T2 270.69 .653 No_date 15:38 7.56 n/a .000
02318# + 1.0 02:T3 321.65 .748 No_date 16:06 7.49 n/a .000
02319# + 1.0 02:T4 321.65 .748 No_date 16:06 7.49 n/a .000
02320# + 1.0 02:T5 321.65 .748 No_date 16:06 7.49 n/a .000
02321# R0102:C00029-----DtmIn-ID:HNVD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rwm-R-C-----DWfms
02322# ROUTE CHANNEL -> 1.0 01:M1 111.89 .492 No_date 13:56 8.70 n/a .000
02323# [R/S=1.00;out= 1.0 01:M3 321.65 .748 No_date 16:06 7.49 n/a .000]
02324# [L/S/N= 74./, 109./035]
02325# [Vmax .251;Dmax .218]
02326# R0102:C00030-----DtmIn-ID:HNVD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rwm-R-C-----DWfms
02327# ROUTE CHANNEL -> 1.0 02:R1 1.55 .029 No_date 12:22 13.64 .213 .000
02328# [R/S=1.00;out= 1.0 01:R4 1.55 .010 No_date 12:50 7.88 n/a .000]
02329# [Vmax .247;Dmax .068]
02330# R0102:C00031-----DtmIn-ID:HNVD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rwm-R-C-----DWfms
02331# ADD HYD + 1.0 02:R1 1.55 .029 No_date 12:22 13.64 .213 .000
02332# + 1.0 02:R3 321.65 .748 No_date 16:06 7.49 n/a .000
02333# + 1.0 02:R4 321.65 .748 No_date 16:06 7.49 n/a .000
02334# + 1.0 02:R5 321.65 .748 No_date 16:06 7.49 n/a .000
02335# R0102:C00032-----DtmIn-ID:HNVD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rwm-R-C-----DWfms
02336# ROUTE CHANNEL -> 1.0 01:T4 50.96 .165 No_date 14:14 7.13 .147 .000
02337# [R/S=1.00;out= 1.0 01:R5 379.46 .887 No_date 16:14 7.55 n/a .000]
02338# [Vmax .370;Dmax .279]
02339# R0102:C00033-----DtmIn-ID:HNVD-----AREAh-QPEARgms-TpeakDate_hh:mm-----Rwm-R-C-----DWfms
02340# ADD HYD + 1.0 02:R5 379.46 .887 No_date 16:14 7.55 n/a .000

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02521> # M5
02522> *****
02523> R0105:C00012-----DtmIn-ID:HVND-----AREAhA-OPEARcGms-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
02524> CALIB NASHYD 1.0 01:85 56.26 .336 No_date 14:22 13.64 213 .000
02525> [CN= 62.0: Nm 3.00: Tpe= 1.491]
02526> *****
02527> # M6
02528> *****
02529> R0105:C00013-----DtmIn-ID:HVND-----AREAhA-OPEARcGms-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
02530> CALIB NASHYD 1.0 01:86 25.62 .056 No_date 15:03 16.52 236 .000
02531> [CN= 62.0: Nm 3.00: Tpe= 1.83]
02532> *****
02533> # M7
02534> *****
02535> R0105:C00014-----DtmIn-ID:HVND-----AREAhA-OPEARcGms-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
02536> CALIB NASHYD 1.0 01:87 47.26 .490 No_date 14:33 24.51 382 .000
02537> [CN= 71.0: Nm 3.00: Tpe= 1.13]
02538> *****
02539> # M8
02540> *****
02541> R0105:C00015-----DtmIn-ID:HVND-----AREAhA-OPEARcGms-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
02542> CALIB NASHYD 1.0 01:88 14.26 .291 No_date 13:10 26.95 420 .000
02543> [CN= 78.0: Nm 3.00: Tpe= 1.13]
02544> *****
02545> # M9
02546> *****
02547> R0105:C00016-----DtmIn-ID:HVND-----AREAhA-OPEARcGms-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
02548> CALIB NASHYD 1.0 01:89 24.24 .402 No_date 13:10 23.03 359 .000
02549> [CN= 71.0: Nm 3.00: Tpe= 1.13]
02550> *****
02551> # SITE
02552> *****
02553> R0105:C00017-----DtmIn-ID:HVND-----AREAhA-OPEARcGms-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
02554> CALIB NASHYD 1.0 01:SITE 60.48 .620 No_date 13:14 14.97 234 .000
02555> [CN= 59.0: Nm 3.00: Tpe= 1.461]
02556> *****
02557> # T1
02558> *****
02559> R0105:C00018-----DtmIn-ID:HVND-----AREAhA-OPEARcGms-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
02560> CALIB NASHYD 1.0 01:74 79.23 .898 No_date 13:47 26.89 327 .000
02561> [CN= 70.0: Nm 3.00: Tpe= 1.64]
02562> *****
02563> # T2
02564> *****
02565> R0105:C00019-----DtmIn-ID:HVND-----AREAhA-OPEARcGms-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
02566> CALIB NASHYD 1.0 01:72 109.81 1.014 No_date 14:37 22.33 348 .000
02567> [CN= 72.0: Nm 3.00: Tpe= 1.031]
02568> *****
02569> # T3
02570> *****
02571> R0105:C00020-----DtmIn-ID:HVND-----AREAhA-OPEARcGms-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
02572> CALIB NASHYD 1.0 01:74 12.05 .220 No_date 12:52 20.99 327 .000
02573> [CN= 70.0: Nm 3.00: Tpe= 87]
02574> *****
02575> # T4
02576> *****
02577> R0105:C00021-----DtmIn-ID:HVND-----AREAhA-OPEARcGms-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
02578> CALIB NASHYD 1.0 01:74 65.89 .756 No_date 13:56 22.33 348 .000
02579> [CN= 72.0: Nm 3.00: Tpe= 1.76]
02580> *****
02581> # T5
02582> *****
02583> R0105:C00022-----DtmIn-ID:HVND-----AREAhA-OPEARcGms-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
02584> CALIB NASHYD 1.0 01:75 171.81 .991 No_date 15:33 17.46 272 .000
02585> [CN= 64.0: Nm 3.00: Tpe= 1.071]
02586> *****
02587> # T6
02588> *****
02589> R0105:C00023-----DtmIn-ID:HVND-----AREAhA-OPEARcGms-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
02590> CALIB NASHYD 1.0 01:76 60.29 .848 No_date 15:22 24.41 407 .000
02591> [CN= 77.0: Nm 3.00: Tpe= 2.98]
02592> *****
02593> # T7
02594> *****
02595> R0105:C00024-----DtmIn-ID:HVND-----AREAhA-OPEARcGms-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
02596> CALIB NASHYD 1.0 01:77 68.50 .578 No_date 14:58 22.33 348 .000
02597> [CN= 72.0: Nm 3.00: Tpe= 1.031]
02598> *****
02599> R0105:C00025-----DtmIn-ID:HVND-----AREAhA-OPEARcGms-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
02600> ROUTE CHANNEL 1.0 01:81 111.89 .576 No_date 15:31 14.97 n/a .000
02601> [Rf= 1.00] out<- 1.0 01:81 111.89 .576 No_date 15:31 14.97 n/a .000
02602> [L/S= 787 / 100 / 035]
02603> [Vmax= 311;Dmax= 422]
02604> R0105:C00026-----DtmIn-ID:HVND-----AREAhA-OPEARcGms-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
02605> ADD HYD + 1.0 02:82 37.69 .376 No_date 15:47 14.97 n/a .000
02606> + 1.0 02:82 139.77 .478 No_date 15:40 12.41 n/a .000
02607> + 1.0 02:82 39.07 .988 No_date 15:40 12.41 n/a .000
02608> SUM= 1.0 01:32 270.69 1.195 No_date 15:17 13.10 n/a .000
02609> R0105:C00027-----DtmIn-ID:HVND-----AREAhA-OPEARcGms-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
02610> ROUTE CHANNEL 1.0 01:82 270.69 1.195 No_date 15:17 13.10 n/a .000
02611> [Rf= 1.00] out<- 1.0 01:82 270.69 1.195 No_date 15:17 13.10 n/a .000
02612> [L/S= 787 / 100 / 035]
02613> [Vmax= 461;Dmax= 398]
02614> R0105:C00028-----DtmIn-ID:HVND-----AREAhA-OPEARcGms-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
02615> ADD HYD + 1.0 02:84 270.69 1.195 No_date 15:17 13.10 n/a .000
02616> + 1.0 02:84 50.96 .291 No_date 14:12 12.41 n/a .000
02617> + 1.0 02:84 316.96 1.586 No_date 15:17 13.10 n/a .000
02618> R0105:C00029-----DtmIn-ID:HVND-----AREAhA-OPEARcGms-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
02619> ROUTE CHANNEL 1.0 01:23 321.65 1.436 No_date 15:15 12.99 n/a .000
02620> [Rf= 1.00] out<- 1.0 01:23 321.65 1.436 No_date 15:15 12.99 n/a .000
02621> [L/S= 734 / 100 / 035]
02622> [Vmax= 457;Dmax= 398]
02623> R0105:C00030-----DtmIn-ID:HVND-----AREAhA-OPEARcGms-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
02624> ROUTE CHANNEL 1.0 01:23 321.65 1.436 No_date 15:15 12.99 n/a .000
02625> [Rf= 1.00] out<- 1.0 01:23 321.65 1.436 No_date 15:15 12.99 n/a .000
02626> [L/S= 693 / 720 / 035]
02627> [Vmax= 457;Dmax= 398]
02628> R0105:C00031-----DtmIn-ID:HVND-----AREAhA-OPEARcGms-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
02629> ADD HYD + 1.0 02:84 1.55 .018 No_date 12:49 13.67 n/a .000
02630> + 1.0 02:84 321.65 1.381 No_date 15:50 12.89 n/a .000
02631> + 1.0 02:85 56.26 .336 No_date 14:22 13.64 n/a .000
02632> + 1.0 02:85 14.96 0.166 No_date 15:26 13.09 n/a .000
02633> R0105:C00032-----DtmIn-ID:HVND-----AREAhA-OPEARcGms-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
02634> ROUTE CHANNEL 1.0 01:24 379.46 1.666 No_date 15:36 13.09 n/a .000
02635> [Rf= 1.00] out<- 1.0 01:24 379.46 1.666 No_date 15:36 13.09 n/a .000
02636> [L/S= 664 / 157 / 035]
02637> [Vmax= 457;Dmax= 398]
02638> R0105:C00033-----DtmIn-ID:HVND-----AREAhA-OPEARcGms-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
02639> ADD HYD + 1.0 02:85 379.46 1.645 No_date 15:55 13.09 n/a .000
02640> + 1.0 02:87 379.46 1.645 No_date 15:55 13.09 n/a .000
02641> R0105:C00034-----DtmIn-ID:HVND-----AREAhA-OPEARcGms-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
02642> ROUTE CHANNEL 1.0 01:27 379.46 1.645 No_date 15:55 13.09 n/a .000
02643> [Rf= 1.00] out<- 1.0 01:86 60.46 .340 No_date 14:19 11.64 n/a .000
02644> [L/S= 871 / 347 / 035]
02645> [Vmax= 562;Dmax= 398]
02646> R0105:C00035-----DtmIn-ID:HVND-----AREAhA-OPEARcGms-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
02647> ROUTE CHANNEL 1.0 01:27 379.46 1.645 No_date 15:55 13.09 n/a .000
02648> [Rf= 1.00] out<- 1.0 01:87 7.62 .077 No_date 13:40 16.93 n/a .000
02649> [L/S= 651 / 259 / 035]
02650> [Vmax= 386;Dmax= 398]
02651> R0105:C00036-----DtmIn-ID:HVND-----AREAhA-OPEARcGms-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
02652> ROUTE CHANNEL 1.0 01:28 17.96 .142 No_date 13:49 14.97 n/a .000
02653> [Rf= 1.00] out<- 1.0 01:88 17.96 .142 No_date 13:55 14.97 n/a .000
02654> [L/S= 181 / 339 / 035]
02655> [Vmax= 416;Dmax= 410]
02656> R0105:C00037-----DtmIn-ID:HVND-----AREAhA-OPEARcGms-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
02657> ADD HYD + 1.0 02:87 7.62 .077 No_date 13:40 16.93 n/a .000
02658> + 1.0 02:88 17.96 .142 No_date 13:55 14.97 n/a .000
02659> + 1.0 02:88 25.58 .218 No_date 13:47 15.56 n/a .000
02660> R0105:C00038-----DtmIn-ID:HVND-----AREAhA-OPEARcGms-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
02661> ROUTE CHANNEL 1.0 01:210 25.58 .218 No_date 13:47 15.56 n/a .000
02662> [Rf= 1.00] out<- 1.0 01:89 25.58 .216 No_date 13:55 15.56 n/a .000
02663> [L/S= 564 / 414 / 035]
02664> [Vmax= 494;Dmax= 415]
02665> R0105:C00039-----DtmIn-ID:HVND-----AREAhA-OPEARcGms-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
02666> ADD HYD + 1.0 02:86 60.46 .340 No_date 14:19 11.64 n/a .000
02667> + 1.0 02:87 25.58 .216 No_date 13:55 15.56 n/a .000
02668> + 1.0 02:87 1.64 .009 No_date 12:21 10.56 n/a .000
02669> + 1.0 02:84 1.55 .018 No_date 12:49 13.67 n/a .000
02670> + 1.0 02:84 60.48 .620 No_date 13:14 14.97 n/a .000
02671> + 1.0 01:CATCUMENT 148.71 1.107 No_date 13:39 13.69 n/a .000
02672> R0105:C00040-----DtmIn-ID:HVND-----AREAhA-OPEARcGms-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
02673> ADD HYD + 1.0 02:27 379.46 1.645 No_date 15:55 13.09 n/a .000
02674> + 1.0 02:86 60.46 .340 No_date 14:19 11.64 n/a .000
02675> + 1.0 02:89 25.58 .216 No_date 13:47 15.56 n/a .000
02676> + 1.0 02:87 1.64 .009 No_date 12:21 10.56 n/a .000
02677> + 1.0 02:84 60.48 .620 No_date 13:14 14.97 n/a .000
02678> + 1.0 01:211 526.62 2.305 No_date 15:07 13.26 n/a .000
02679> R0105:C00041-----DtmIn-ID:HVND-----AREAhA-OPEARcGms-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
02680> ROUTE CHANNEL 1.0 01:810 526.62 2.305 No_date 15:07 13.26 n/a .000
02681> [Rf= 1.00] out<- 1.0 01:810 526.62 2.305 No_date 15:16 13.26 n/a .000
02682> [L/S= 112 / 100 / 035]
02683> [Vmax= 374;Dmax= 328]
02684> R0105:C00042-----DtmIn-ID:HVND-----AREAhA-OPEARcGms-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
02685> ADD HYD + 1.0 02:86 60.46 .340 No_date 14:19 11.64 n/a .000
02686> + 1.0 02:86 25.62 .206 No_date 14:02 16.42 n/a .000
02687> + 1.0 02:88 14.26 .282 No_date 13:10 26.95 n/a .000
02688> + 1.0 01:212 566.50 2.583 No_date 15:00 13.75 n/a .000
02689> R0105:C00043-----DtmIn-ID:HVND-----AREAhA-OPEARcGms-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
02690> ROUTE CHANNEL 1.0 01:811 566.50 2.583 No_date 15:00 13.75 n/a .000
02691> [Rf= 1.00] out<- 1.0 01:811 566.50 2.583 No_date 15:00 13.75 n/a .000
02692> [L/S= 112 / 100 / 035]
02693> [Vmax= 387;Dmax= 443]
02694> R0105:C00044-----DtmIn-ID:HVND-----AREAhA-OPEARcGms-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
02695> ADD HYD + 1.0 02:12 79.23 .898 No_date 13:47 26.89 n/a .000
02696> + 1.0 02:12 109.81 1.014 No_date 14:37 22.33 n/a .000
02697> + 1.0 02:73 12.05 .220 No_date 12:52 20.99 n/a .000
02698> + 1.0 01:213 201.11 1.974 No_date 14:02 21.72 n/a .000
02699> R0105:C00045-----DtmIn-ID:HVND-----AREAhA-OPEARcGms-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
02700> ROUTE CHANNEL 1.0 01:213 201.11 1.974 No_date 14:02 21.72 n/a .000

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028811 *****
028812 R0110:CO0022-----DtmIn-ID:HVHD-----AREAhA-QFEARcMs-TpeakDate_hh:mm--RvMm-R.C-----DWfMcs
028813 CALIB MASHVD 1.0 01:25 171.81 1.305 Mo_date 15:31 22.84 307 000
028814 [Cm: 64.0; Nm: 3.00; Tpm: 3.07]
028815 *****
028816 # 76
028817 *****
028818 R0110:CO0023-----DtmIn-ID:HVHD-----AREAhA-QFEARcMs-TpeakDate_hh:mm--RvMm-R.C-----DWfMcs
028819 CALIB MASHVD 1.0 01:26 60.20 .700 Mo_date 15:20 33.36 449 000
028820 [Cm: 77.0; Nm: 3.00; Tpm: 2.81]
028821 *****
028822 # 77
028823 R0110:CO0024-----DtmIn-ID:HVHD-----AREAhA-QFEARcMs-TpeakDate_hh:mm--RvMm-R.C-----DWfMcs
028824 CALIB MASHVD 1.0 01:27 68.49 .750 Mo_date 14:56 28.62 488 000
028825 [Cm: 72.0; Nm: 3.00; Tpm: 2.63]
028826 *****
028827 R0110:CO0025-----DtmIn-ID:HVHD-----AREAhA-QFEARcMs-TpeakDate_hh:mm--RvMm-R.C-----DWfMcs
028828 ROUTE CHANNEL -> 1.0 02:01 111.89 1.188 Mo_date 13:53 19.72 n/a 000
028829 [RFS: 1.00] outc<- 1.0 01:81 111.89 1.188 Mo_date 13:52 19.72 n/a 000
028830 (L/S: Nm= 2381; / 105; / 035)
028831 *****
028832 R0110:CO0026-----DtmIn-ID:HVHD-----AREAhA-QFEARcMs-TpeakDate_hh:mm--RvMm-R.C-----DWfMcs
028833 ADD HYD + 1.0 02:81 111.89 .763 Mo_date 15:32 19.72 n/a 000
028834 + 1.0 02:82 119.73 .588 Mo_date 15:38 16.46 n/a 000
028835 + 1.0 02:83 39.07 .264 Mo_date 13:52 13.20 n/a 000
028836 SUM: 1.0 02:22 270.69 1.590 Mo_date 15:17 17.24 n/a 000
028837 *****
028838 R0110:CO0027-----DtmIn-ID:HVHD-----AREAhA-QFEARcMs-TpeakDate_hh:mm--RvMm-R.C-----DWfMcs
028839 ROUTE CHANNEL -> 1.0 02:22 270.69 1.590 Mo_date 15:17 17.24 n/a 000
028840 [RFS: 1.00] outc<- 1.0 01:83 270.69 1.593 Mo_date 15:28 17.34 n/a 000
028841 (L/S: Nm= 471; / 221; / 035)
028842 *****
028843 R0110:CO0028-----DtmIn-ID:HVHD-----AREAhA-QFEARcMs-TpeakDate_hh:mm--RvMm-R.C-----DWfMcs
028844 ADD HYD + 1.0 02:82 270.69 1.593 Mo_date 15:28 17.34 n/a 000
028845 + 1.0 02:84 50.96 .388 Mo_date 14:11 16.46 n/a 000
028846 + 1.0 02:83 321.65 1.916 Mo_date 15:08 17.20 n/a 000
028847 SUM: 1.0 01:23 379.46 2.252 Mo_date 15:18 17.33 n/a 000
028848 *****
028849 R0110:CO0029-----DtmIn-ID:HVHD-----AREAhA-QFEARcMs-TpeakDate_hh:mm--RvMm-R.C-----DWfMcs
028850 ROUTE CHANNEL -> 1.0 02:23 321.65 1.916 Mo_date 15:08 17.20 n/a 000
028851 [RFS: 1.00] outc<- 1.0 01:83 321.65 1.863 Mo_date 15:42 17.20 n/a 000
028852 (L/S: Nm= 784; / 100; / 035)
028853 *****
028854 R0110:CO0030-----DtmIn-ID:HVHD-----AREAhA-QFEARcMs-TpeakDate_hh:mm--RvMm-R.C-----DWfMcs
028855 ROUTE CHANNEL -> 1.0 02:03 1.55 .024 Mo_date 12:22 18.03 n/a 000
028856 [RFS: 1.00] outc<- 1.0 01:84 1.55 .024 Mo_date 12:48 18.03 n/a 000
028857 (L/S: Nm= 693; / 720; / 035)
028858 *****
028859 R0110:CO0031-----DtmIn-ID:HVHD-----AREAhA-QFEARcMs-TpeakDate_hh:mm--RvMm-R.C-----DWfMcs
028860 ADD HYD + 1.0 02:84 1.55 .024 Mo_date 12:48 18.07 n/a 000
028861 + 1.0 02:83 321.65 1.863 Mo_date 15:42 17.20 n/a 000
028862 + 1.0 02:85 56.26 .447 Mo_date 14:21 18.03 n/a 000
028863 SUM: 1.0 01:24 379.46 2.252 Mo_date 15:23 17.33 n/a 000
028864 *****
028865 R0110:CO0032-----DtmIn-ID:HVHD-----AREAhA-QFEARcMs-TpeakDate_hh:mm--RvMm-R.C-----DWfMcs
028866 ROUTE CHANNEL -> 1.0 02:24 379.46 2.252 Mo_date 15:23 17.33 n/a 000
028867 [RFS: 1.00] outc<- 1.0 01:85 379.46 2.252 Mo_date 15:45 17.33 n/a 000
028868 (L/S: Nm= 664; / 157; / 035)
028869 *****
028870 R0110:CO0033-----DtmIn-ID:HVHD-----AREAhA-QFEARcMs-TpeakDate_hh:mm--RvMm-R.C-----DWfMcs
028871 ADD HYD + 1.0 02:85 379.46 2.226 Mo_date 15:45 17.33 n/a 000
028872 + 1.0 02:87 379.46 2.226 Mo_date 15:45 17.33 n/a 000
028873 SUM: 1.0 01:27 379.46 2.226 Mo_date 15:45 17.33 n/a 000
028874 *****
028875 R0110:CO0034-----DtmIn-ID:HVHD-----AREAhA-QFEARcMs-TpeakDate_hh:mm--RvMm-R.C-----DWfMcs
028876 ROUTE CHANNEL -> 1.0 02:01 60.46 .466 Mo_date 13:57 15.48 n/a 000
028877 [RFS: 1.00] outc<- 1.0 01:86 60.46 .456 Mo_date 14:16 15.48 n/a 000
028878 (L/S: Nm= 871; / 343; / 035)
028879 *****
028880 R0110:CO0035-----DtmIn-ID:HVHD-----AREAhA-QFEARcMs-TpeakDate_hh:mm--RvMm-R.C-----DWfMcs
028881 ROUTE CHANNEL -> 1.0 02:01 7.62 .140 Mo_date 12:56 22.19 n/a 000
028882 [RFS: 1.00] outc<- 1.0 01:87 7.62 .145 Mo_date 13:43 22.19 n/a 000
028883 (L/S: Nm= 651; / 258; / 035)
028884 *****
028885 R0110:CO0036-----DtmIn-ID:HVHD-----AREAhA-QFEARcMs-TpeakDate_hh:mm--RvMm-R.C-----DWfMcs
028886 ROUTE CHANNEL -> 1.0 02:03 17.96 .188 Mo_date 13:48 19.72 n/a 000
028887 [RFS: 1.00] outc<- 1.0 01:88 17.96 .188 Mo_date 13:53 19.72 n/a 000
028888 (L/S: Nm= 181; / 339; / 035)
028889 *****
028890 R0110:CO0037-----DtmIn-ID:HVHD-----AREAhA-QFEARcMs-TpeakDate_hh:mm--RvMm-R.C-----DWfMcs
028891 ADD HYD + 1.0 02:87 7.62 .105 Mo_date 13:43 22.19 n/a 000
028892 + 1.0 02:86 19.88 .188 Mo_date 13:52 19.72 n/a 000
028893 + 1.0 01:10 25.58 .292 Mo_date 13:45 20.46 n/a 000
028894 SUM: 1.0 01:10 25.58 .292 Mo_date 13:45 20.46 n/a 000
028895 *****
028896 R0110:CO0038-----DtmIn-ID:HVHD-----AREAhA-QFEARcMs-TpeakDate_hh:mm--RvMm-R.C-----DWfMcs
028897 ROUTE CHANNEL -> 1.0 01:89 25.58 .289 Mo_date 13:54 20.46 n/a 000
028898 [RFS: 1.00] outc<- 1.0 01:89 25.58 .289 Mo_date 13:54 20.46 n/a 000
028899 (L/S: Nm= 366; / 416; / 035)
028900 *****
028901 R0110:CO0039-----DtmIn-ID:HVHD-----AREAhA-QFEARcMs-TpeakDate_hh:mm--RvMm-R.C-----DWfMcs
028902 ADD HYD + 1.0 02:89 25.58 .289 Mo_date 13:54 20.46 n/a 000
028903 + 1.0 02:89 25.58 .289 Mo_date 13:54 20.46 n/a 000
028904 + 1.0 02:88 60.48 .823 Mo_date 13:13 19.72 n/a 000
028905 SUM: 1.0 01:12 148.71 1.490 Mo_date 13:17 19.48 n/a 000
028906 *****
028907 R0110:CO0040-----DtmIn-ID:HVHD-----AREAhA-QFEARcMs-TpeakDate_hh:mm--RvMm-R.C-----DWfMcs
028908 ADD HYD + 1.0 02:86 60.46 .456 Mo_date 14:16 15.48 n/a 000
028909 + 1.0 02:89 25.58 .289 Mo_date 13:54 20.46 n/a 000
028910 + 1.0 02:90 60.48 .823 Mo_date 13:13 19.72 n/a 000
028911 + 1.0 02:88 148.71 1.490 Mo_date 13:17 19.48 n/a 000
028912 SUM: 1.0 01:12 148.71 1.490 Mo_date 13:17 19.48 n/a 000
028913 *****
028914 R0110:CO0041-----DtmIn-ID:HVHD-----AREAhA-QFEARcMs-TpeakDate_hh:mm--RvMm-R.C-----DWfMcs
028915 ROUTE CHANNEL -> 1.0 02:11 526.62 3.149 Mo_date 15:00 17.54 n/a 000
028916 [RFS: 1.00] outc<- 1.0 01:80 526.62 3.132 Mo_date 15:09 17.54 n/a 000
028917 (L/S: Nm= 308; / 100; / 035)
028918 *****
028919 R0110:CO0042-----DtmIn-ID:HVHD-----AREAhA-QFEARcMs-TpeakDate_hh:mm--RvMm-R.C-----DWfMcs
028920 ADD HYD + 1.0 02:80 526.62 3.112 Mo_date 15:09 17.54 n/a 000
028921 + 1.0 02:86 25.58 .292 Mo_date 14:01 21.55 n/a 000
028922 + 1.0 02:88 14.26 .361 Mo_date 13:09 34.36 n/a 000
028923 SUM: 1.0 01:12 566.50 3.518 Mo_date 14:53 18.14 n/a 000
028924 *****
028925 R0110:CO0043-----DtmIn-ID:HVHD-----AREAhA-QFEARcMs-TpeakDate_hh:mm--RvMm-R.C-----DWfMcs
028926 ROUTE CHANNEL -> 1.0 02:12 566.50 3.518 Mo_date 14:53 18.14 n/a 000
028927 [RFS: 1.00] outc<- 1.0 01:80 566.50 3.518 Mo_date 15:40 18.14 n/a 000
028928 (L/S: Nm= 1182; / 100; / 035)
028929 *****
028930 R0110:CO0044-----DtmIn-ID:HVHD-----AREAhA-QFEARcMs-TpeakDate_hh:mm--RvMm-R.C-----DWfMcs
028931 ADD HYD + 1.0 02:71 79.25 1.172 Mo_date 13:46 27.20 n/a 000
028932 + 1.0 02:82 119.73 1.137 Mo_date 14:26 28.62 n/a 000
028933 + 1.0 02:73 12.05 .287 Mo_date 12:52 27.20 n/a 000
028934 SUM: 1.0 01:12 201.11 2.572 Mo_date 14:00 28.09 n/a 000
028935 *****
028936 R0110:CO0045-----DtmIn-ID:HVHD-----AREAhA-QFEARcMs-TpeakDate_hh:mm--RvMm-R.C-----DWfMcs
028937 ROUTE CHANNEL -> 1.0 02:13 201.11 2.572 Mo_date 14:00 28.09 n/a 000
028938 [RFS: 1.00] outc<- 1.0 01:84 201.11 2.566 Mo_date 14:16 28.09 n/a 000
028939 (L/S: Nm= 706; / 116; / 035)
028940 *****
028941 R0110:CO0046-----DtmIn-ID:HVHD-----AREAhA-QFEARcMs-TpeakDate_hh:mm--RvMm-R.C-----DWfMcs
028942 ADD HYD + 1.0 02:74 65.89 .983 Mo_date 13:55 28.82 n/a 000
028943 + 1.0 02:85 171.81 1.305 Mo_date 15:31 22.84 n/a 000
028944 + 1.0 02:82 201.11 2.526 Mo_date 14:16 28.09 n/a 000
028945 SUM: 1.0 01:14 438.81 4.632 Mo_date 14:23 26.14 n/a 000
028946 *****
028947 R0110:CO0047-----DtmIn-ID:HVHD-----AREAhA-QFEARcMs-TpeakDate_hh:mm--RvMm-R.C-----DWfMcs
028948 ROUTE CHANNEL -> 1.0 02:14 438.81 4.632 Mo_date 14:23 26.14 n/a 000
028949 [RFS: 1.00] outc<- 1.0 01:84 438.81 4.632 Mo_date 14:23 26.14 n/a 000
028950 (L/S: Nm= 1015; / 100; / 035)
028951 *****
028952 R0110:CO0048-----DtmIn-ID:HVHD-----AREAhA-QFEARcMs-TpeakDate_hh:mm--RvMm-R.C-----DWfMcs
028953 ADD HYD + 1.0 02:76 60.20 .700 Mo_date 15:20 33.36 n/a 000
028954 + 1.0 02:77 68.50 .750 Mo_date 14:56 28.62 n/a 000
028955 + 1.0 02:87 47.26 .633 Mo_date 14:31 31.46 n/a 000
028956 + 1.0 02:81 181.27 9.252 Mo_date 15:38 23.04 n/a 000
028957 + 1.0 02:83 438.81 4.235 Mo_date 16:30 26.14 n/a 000
028958 SUM: 1.0 01:15 1181.27 9.424 Mo_date 15:26 23.04 n/a 000
028959 *****
028960 R0110:CO0049-----DtmIn-ID:HVHD-----AREAhA-QFEARcMs-TpeakDate_hh:mm--RvMm-R.C-----DWfMcs
028961 ROUTE CHANNEL -> 1.0 02:15 1181.27 9.424 Mo_date 15:26 23.04 n/a 000
028962 [RFS: 1.00] outc<- 1.0 01:84 1181.27 9.351 Mo_date 15:38 23.04 n/a 000
028963 (L/S: Nm= 556; / 100; / 035)
028964 *****
028965 R0110:CO0050-----DtmIn-ID:HVHD-----AREAhA-QFEARcMs-TpeakDate_hh:mm--RvMm-R.C-----DWfMcs
028966 ADD HYD + 1.0 02:89 24.24 .522 Mo_date 13:10 29.68 n/a 000
028967 + 1.0 02:90 181.27 9.252 Mo_date 15:38 23.04 n/a 000
028968 + 1.0 01:07 1205.51 9.518 Mo_date 15:35 23.18 n/a 000
028969 SUM: 1.0 01:07 1205.51 9.518 Mo_date 15:35 23.18 n/a 000
028970 *****
028971 #####
028972 # STORM
028973 #####
028974 # END OF RUN : 124
028975 #####
028976 #####
028977 #####
028978 #####
028979 #####
028980 #####
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1  20    Metric units / ID numbers OFF
2  *#*****
3  *# SWMHYMO / INPUT DATA FILE
4  *#*****
5  *# Project Name : [Tamarack Richmond]
6  *# Project Number: [P2001(e01)]
7  *# Date : [2025 JULY 23]
8  *# Modeller : [MM and OS]
9  *# Company : JFSA Canada Inc.
10 *# License # : 2549237
11 *#*****
12 *# SUMMER CONDITIONS MODEL
13 *# Model developed to simulate runoff from subcatchments under pre development conditions
14 *#*****
15 *#=====
16 *
17 *#=====
18 *# CONTINUOUS SIMULATIONS
19 *#=====
20 *# START TZERO=[1967.0101], METOUT=[2], NSTORM=[0], NRUN=[1967]
21 *# [% [""] <--storm filename, one per line for NSTORM time
22 *# [%-----|-----]
23 *# Ottawa International Airport - 19 July 1967 to 01 Nov 2016
24 *# READ AES DATA AES_FILENAME=["YOW_1967-2016.txt"],
25 *# IELEM=[123], START_DATE=[0], END_DATE=[-364]
26 *# [%-----|-----]
27 *# *SAVE ALL HYDS ON=[1], Start saving all hydrographs.
28 *# * {All hydrographs will be saved as NHYD.NRUN}
29 *# * {Use SAVE ALL HYDS with ON=[0] to cancel the autosave.}
30 *# [%-----|-----]
31 *# * Use APII=20 for Design Storms
32 *# * COMPUTE API APII=[20], APIK=[0.8]/day,
33 *# * Use APII=40 for Continuous Simulations (Spring start)
34 *# * COMPUTE API APII=[40], APIK=[0.8]/day,
35 *# * Use APII=0 for Continuous Simulations (Colin Brenan calibration)
36 *# * COMPUTE API APII=[0], APIK=[0.8]/day,
37 *# [%-----|-----]
38 *# *#=====
39 *# *#*****
40 *# *# Pre-Development Conditions
41 *# *#*****
42 *# *# EXT1
43 *# *#*****
44 *# CONTINUOUS NASHYD NHYD=["EXT1"], DT=[5] (min), AREA=[60.46] (ha),
45 *# DWF=[0] (cms), CN/C=[51], IA=[4.67] (mm), N=[3.0], TP=[1.75] (hrs),
46 *# Continuous simulation parameters:
47 *# IaRECper=[24] (hrs), SMIN=[-1] (mm), SMAX=[-1] (mm), SK=[0.1]/(mm),
48 *# InterEventTime=[24] (hrs),
49 *# Baseflow simulation parameters:
50 *# BaseFlowOption=[1], InitGWResVol=[0] (mm), GWResK=[0.95] (mm/day/mm),
51 *# VHydCond=[0.1] (mm/hr), END=-1
52 *# *#*****
53 *# *# EXT2
54 *# *#*****
55 *# CONTINUOUS NASHYD NHYD=["EXT2"], DT=[5] (min), AREA=[7.62] (ha),
56 *# DWF=[0] (cms), CN/C=[63], IA=[4.67] (mm), N=[3.0], TP=[0.92] (hrs),
57 *# Continuous simulation parameters:
58 *# IaRECper=[24] (hrs), SMIN=[-1] (mm), SMAX=[-1] (mm), SK=[0.1]/(mm),
59 *# InterEventTime=[24] (hrs),

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60         Baseflow simulation parameters:
61         BaseFlowOption=[1] , InitGWResVol=[0] (mm) , GWResK=[0.95] (mm/day/mm) ,
62         VHydCond=[0.1] (mm/hr) , END=-1
63 *****
64 *# EXT3
65 *****
66 CONTINUOUS NASHYD   NHYD=["EXT3"] , DT=[5] (min) , AREA=[17.96] (ha) ,
67                   DWF=[0] (cms) , CN/C=[59] , IA=[4.67] (mm) , N=[3.0] , TP=[1.64] (hrs) ,
68                   Continuous simulation parameters:
69                   IaRECPer=[24] (hrs) , SMIN=[-1] (mm) ,   SMAX=[-1] (mm) , SK=[0.1] / (mm) ,
70                   InterEventTime=[24] (hrs) ,
71                   Baseflow simulation parameters:
72                   BaseFlowOption=[1] , InitGWResVol=[0] (mm) , GWResK=[0.95] (mm/day/mm) ,
73                   VHydCond=[0.1] (mm/hr) , END=-1
74 *****
75 *# EXT4
76 *****
77 CONTINUOUS NASHYD   NHYD=["EXT4"] , DT=[5] (min) , AREA=[0.64] (ha) ,
78                   DWF=[0] (cms) , CN/C=[48] , IA=[4.67] (mm) , N=[3.0] , TP=[0.43] (hrs) ,
79                   Continuous simulation parameters:
80                   IaRECPer=[24] (hrs) , SMIN=[-1] (mm) ,   SMAX=[-1] (mm) , SK=[0.1] / (mm) ,
81                   InterEventTime=[24] (hrs) ,
82                   Baseflow simulation parameters:
83                   BaseFlowOption=[1] , InitGWResVol=[0] (mm) , GWResK=[0.95] (mm/day/mm) ,
84                   VHydCond=[0.1] (mm/hr) , END=-1
85 *****
86 *# EXT5
87 *****
88 CONTINUOUS NASHYD   NHYD=["EXT5"] , DT=[5] (min) , AREA=[1.55] (ha) ,
89                   DWF=[0] (cms) , CN/C=[56] , IA=[4.67] (mm) , N=[3.0] , TP=[0.44] (hrs) ,
90                   Continuous simulation parameters:
91                   IaRECPer=[24] (hrs) , SMIN=[-1] (mm) ,   SMAX=[-1] (mm) , SK=[0.1] / (mm) ,
92                   InterEventTime=[24] (hrs) ,
93                   Baseflow simulation parameters:
94                   BaseFlowOption=[1] , InitGWResVol=[0] (mm) , GWResK=[0.95] (mm/day/mm) ,
95                   VHydCond=[0.1] (mm/hr) , END=-1
96 *****
97 *# M1
98 *****
99 CONTINUOUS NASHYD   NHYD=["M1"] , DT=[5] (min) , AREA=[111.89] (ha) ,
100                   DWF=[0] (cms) , CN/C=[59] , IA=[4.67] (mm) , N=[3.0] , TP=[1.71] (hrs) ,
101                   Continuous simulation parameters:
102                   IaRECPer=[24] (hrs) , SMIN=[-1] (mm) ,   SMAX=[-1] (mm) , SK=[0.1] / (mm) ,
103                   InterEventTime=[24] (hrs) ,
104                   Baseflow simulation parameters:
105                   BaseFlowOption=[1] , InitGWResVol=[0] (mm) , GWResK=[0.95] (mm/day/mm) ,
106                   VHydCond=[0.1] (mm/hr) , END=-1
107 *****
108 *# M2
109 *****
110 CONTINUOUS NASHYD   NHYD=["M2"] , DT=[5] (min) , AREA=[119.73] (ha) ,
111                   DWF=[0] (cms) , CN/C=[53] , IA=[4.67] (mm) , N=[3.0] , TP=[3.12] (hrs) ,
112                   Continuous simulation parameters:
113                   IaRECPer=[24] (hrs) , SMIN=[-1] (mm) ,   SMAX=[-1] (mm) , SK=[0.1] / (mm) ,
114                   InterEventTime=[24] (hrs) ,
115                   Baseflow simulation parameters:
116                   BaseFlowOption=[1] , InitGWResVol=[0] (mm) , GWResK=[0.95] (mm/day/mm) ,
117                   VHydCond=[0.1] (mm/hr) , END=-1
118 *****
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*****
119 *# M3
120 *#*****
*****
121 CONTINUOUS NASHYD  NHYD=["M3"], DT=[5] (min), AREA=[39.07] (ha),
122 DWF=[0] (cms), CN/C=[46], IA=[4.67] (mm), N=[3.0], TP=[1.68] (hrs),
123 Continuous simulation parameters:
124 IaRECper=[24] (hrs), SMIN=[-1] (mm),  SMAX=[-1] (mm), SK=[0.1]/(mm),
125 InterEventTime=[24] (hrs),
126 Baseflow simulation parameters:
127 BaseFlowOption=[1] , InitGWResVol=[0] (mm), GWResK=[0.95] (mm/day/mm),
128 VHydCond=[0.1] (mm/hr), END=-1
129 *#*****
*****
130 *# M4
131 *#*****
*****
132 CONTINUOUS NASHYD  NHYD=["M4"], DT=[5] (min), AREA=[50.96] (ha),
133 DWF=[0] (cms), CN/C=[53], IA=[4.67] (mm), N=[3.0], TP=[1.95] (hrs),
134 Continuous simulation parameters:
135 IaRECper=[24] (hrs), SMIN=[-1] (mm),  SMAX=[-1] (mm), SK=[0.1]/(mm),
136 InterEventTime=[24] (hrs),
137 Baseflow simulation parameters:
138 BaseFlowOption=[1] , InitGWResVol=[0] (mm), GWResK=[0.95] (mm/day/mm),
139 VHydCond=[0.1] (mm/hr), END=-1
140 *#*****
*****
141 *# M5
142 *#*****
*****
143 CONTINUOUS NASHYD  NHYD=["M5"], DT=[5] (min), AREA=[56.26] (ha),
144 DWF=[0] (cms), CN/C=[56], IA=[4.67] (mm), N=[3.0], TP=[2.09] (hrs),
145 Continuous simulation parameters:
146 IaRECper=[24] (hrs), SMIN=[-1] (mm),  SMAX=[-1] (mm), SK=[0.1]/(mm),
147 InterEventTime=[24] (hrs),
148 Baseflow simulation parameters:
149 BaseFlowOption=[1] , InitGWResVol=[0] (mm), GWResK=[0.95] (mm/day/mm),
150 VHydCond=[0.1] (mm/hr), END=-1
151 *#*****
*****
152 *# M6
153 *#*****
*****
154 CONTINUOUS NASHYD  NHYD=["M6"], DT=[5] (min), AREA=[25.62] (ha),
155 DWF=[0] (cms), CN/C=[62], IA=[4.67] (mm), N=[3.0], TP=[1.83] (hrs),
156 Continuous simulation parameters:
157 IaRECper=[24] (hrs), SMIN=[-1] (mm),  SMAX=[-1] (mm), SK=[0.1]/(mm),
158 InterEventTime=[24] (hrs),
159 Baseflow simulation parameters:
160 BaseFlowOption=[1] , InitGWResVol=[0] (mm), GWResK=[0.95] (mm/day/mm),
161 VHydCond=[0.1] (mm/hr), END=-1
162 *#*****
*****
163 *# M7
164 *#*****
*****
165 CONTINUOUS NASHYD  NHYD=["M7"], DT=[5] (min), AREA=[47.26] (ha),
166 DWF=[0] (cms), CN/C=[75], IA=[4.67] (mm), N=[3.0], TP=[2.29] (hrs),
167 Continuous simulation parameters:
168 IaRECper=[24] (hrs), SMIN=[-1] (mm),  SMAX=[-1] (mm), SK=[0.1]/(mm),
169 InterEventTime=[24] (hrs),
170 Baseflow simulation parameters:
171 BaseFlowOption=[1] , InitGWResVol=[0] (mm), GWResK=[0.95] (mm/day/mm),
172 VHydCond=[0.1] (mm/hr), END=-1
173 *#*****
*****
174 *# M8
175 *#*****
*****
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176 CONTINUOUS NASHYD  NHYD=["M8"], DT=[5] (min), AREA=[14.26] (ha),
177 DWF=[0] (cms), CN/C=[78], IA=[4.67] (mm), N=[3.0], TP=[1.13] (hrs),
178 Continuous simulation parameters:
179 IaRECPper=[24] (hrs), SMIN=[-1] (mm),  SMAX=[-1] (mm), SK=[0.1]/(mm),
180 InterEventTime=[24] (hrs),
181 Baseflow simulation parameters:
182 BaseFlowOption=[1] , InitGWResVol=[0] (mm), GWResK=[0.95] (mm/day/mm),
183 VHydCond=[0.1] (mm/hr), END=-1
184 *#*****
185 *# M9
186 *#*****
187 CONTINUOUS NASHYD  NHYD=["M9"], DT=[5] (min), AREA=[24.24] (ha),
188 DWF=[0] (cms), CN/C=[73], IA=[4.67] (mm), N=[3.0], TP=[1.13] (hrs),
189 Continuous simulation parameters:
190 IaRECPper=[24] (hrs), SMIN=[-1] (mm),  SMAX=[-1] (mm), SK=[0.1]/(mm),
191 InterEventTime=[24] (hrs),
192 Baseflow simulation parameters:
193 BaseFlowOption=[1] , InitGWResVol=[0] (mm), GWResK=[0.95] (mm/day/mm),
194 VHydCond=[0.1] (mm/hr), END=-1
195 *#*****
196 *# SITE
197 *#*****
198 CONTINUOUS NASHYD  NHYD=["SITE"], DT=[5] (min), AREA=[60.48] (ha),
199 DWF=[0] (cms), CN/C=[59], IA=[4.67] (mm), N=[3.0], TP=[1.16] (hrs),
200 Continuous simulation parameters:
201 IaRECPper=[24] (hrs), SMIN=[-1] (mm),  SMAX=[-1] (mm), SK=[0.1]/(mm),
202 InterEventTime=[24] (hrs),
203 Baseflow simulation parameters:
204 BaseFlowOption=[1] , InitGWResVol=[0] (mm), GWResK=[0.95] (mm/day/mm),
205 VHydCond=[0.1] (mm/hr), END=-1
206 *#*****
207 *# T1
208 *#*****
209 CONTINUOUS NASHYD  NHYD=["T1"], DT=[5] (min), AREA=[79.25] (ha),
210 DWF=[0] (cms), CN/C=[70], IA=[4.67] (mm), N=[3.0], TP=[1.64] (hrs),
211 Continuous simulation parameters:
212 IaRECPper=[24] (hrs), SMIN=[-1] (mm),  SMAX=[-1] (mm), SK=[0.1]/(mm),
213 InterEventTime=[24] (hrs),
214 Baseflow simulation parameters:
215 BaseFlowOption=[1] , InitGWResVol=[0] (mm), GWResK=[0.95] (mm/day/mm),
216 VHydCond=[0.1] (mm/hr), END=-1
217 *#*****
218 *# T2
219 *#*****
220 CONTINUOUS NASHYD  NHYD=["T2"], DT=[5] (min), AREA=[109.81] (ha),
221 DWF=[0] (cms), CN/C=[72], IA=[4.67] (mm), N=[3.0], TP=[2.34] (hrs),
222 Continuous simulation parameters:
223 IaRECPper=[24] (hrs), SMIN=[-1] (mm),  SMAX=[-1] (mm), SK=[0.1]/(mm),
224 InterEventTime=[24] (hrs),
225 Baseflow simulation parameters:
226 BaseFlowOption=[1] , InitGWResVol=[0] (mm), GWResK=[0.95] (mm/day/mm),
227 VHydCond=[0.1] (mm/hr), END=-1
228 *#*****
229 *# T3
230 *#*****
231 CONTINUOUS NASHYD  NHYD=["T3"], DT=[5] (min), AREA=[12.05] (ha),
232 DWF=[0] (cms), CN/C=[70], IA=[4.67] (mm), N=[3.0], TP=[0.87] (hrs),
233 Continuous simulation parameters:
234 IaRECPper=[24] (hrs), SMIN=[-1] (mm),  SMAX=[-1] (mm), SK=[0.1]/(mm),

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235         InterEventTime=[24] (hrs),
236         Baseflow simulation parameters:
237         BaseFlowOption=[1] , InitGWResVol=[0] (mm) , GWResK=[0.95] (mm/day/mm) ,
238         VHydCond=[0.1] (mm/hr) , END=-1
239     *#*****
240     *# T4
241     *#*****
242     CONTINUOUS NASHYD     NHYD=["T4"] , DT=[5] (min) , AREA=[65.89] (ha) ,
243                         DWF=[0] (cms) , CN/C=[72] , IA=[4.67] (mm) , N=[3.0] , TP=[1.76] (hrs) ,
244                         Continuous simulation parameters:
245                         IaREcper=[24] (hrs) , SMIN=[-1] (mm) , SMAX=[-1] (mm) , SK=[0.1] / (mm) ,
246                         InterEventTime=[24] (hrs) ,
247                         Baseflow simulation parameters:
248                         BaseFlowOption=[1] , InitGWResVol=[0] (mm) , GWResK=[0.95] (mm/day/mm) ,
249                         VHydCond=[0.1] (mm/hr) , END=-1
250     *#*****
251     *# T5
252     *#*****
253     CONTINUOUS NASHYD     NHYD=["T5"] , DT=[5] (min) , AREA=[171.81] (ha) ,
254                         DWF=[0] (cms) , CN/C=[64] , IA=[4.67] (mm) , N=[3.0] , TP=[3.07] (hrs) ,
255                         Continuous simulation parameters:
256                         IaREcper=[24] (hrs) , SMIN=[-1] (mm) , SMAX=[-1] (mm) , SK=[0.1] / (mm) ,
257                         InterEventTime=[24] (hrs) ,
258                         Baseflow simulation parameters:
259                         BaseFlowOption=[1] , InitGWResVol=[0] (mm) , GWResK=[0.95] (mm/day/mm) ,
260                         VHydCond=[0.1] (mm/hr) , END=-1
261     *#*****
262     *# T6
263     *#*****
264     CONTINUOUS NASHYD     NHYD=["T6"] , DT=[5] (min) , AREA=[60.20] (ha) ,
265                         DWF=[0] (cms) , CN/C=[77] , IA=[4.67] (mm) , N=[3.0] , TP=[2.98] (hrs) ,
266                         Continuous simulation parameters:
267                         IaREcper=[24] (hrs) , SMIN=[-1] (mm) , SMAX=[-1] (mm) , SK=[0.1] / (mm) ,
268                         InterEventTime=[24] (hrs) ,
269                         Baseflow simulation parameters:
270                         BaseFlowOption=[1] , InitGWResVol=[0] (mm) , GWResK=[0.95] (mm/day/mm) ,
271                         VHydCond=[0.1] (mm/hr) , END=-1
272     *#*****
273     *# T7
274     *#*****
275     CONTINUOUS NASHYD     NHYD=["T7"] , DT=[5] (min) , AREA=[68.50] (ha) ,
276                         DWF=[0] (cms) , CN/C=[72] , IA=[4.67] (mm) , N=[3.0] , TP=[2.63] (hrs) ,
277                         Continuous simulation parameters:
278                         IaREcper=[24] (hrs) , SMIN=[-1] (mm) , SMAX=[-1] (mm) , SK=[0.1] / (mm) ,
279                         InterEventTime=[24] (hrs) ,
280                         Baseflow simulation parameters:
281                         BaseFlowOption=[1] , InitGWResVol=[0] (mm) , GWResK=[0.95] (mm/day/mm) ,
282                         VHydCond=[0.1] (mm/hr) , END=-1
283     *#*****
284     * NOTE: Cross-section C1 is taken from the LiDAR data
285     ROUTE CHANNEL         NHYDout=["R1"] , NHYDin=["M1"] , RDT=[5] (min) ,
286                         CHLGTH=[2381.159] (m) , CHSLOPE=[0.105] (%) , FPSLOPE=[0.105] (%) ,
287                         SECNUM=[1] , NSEG=[3] ,
288                         ( SEGROUGH , SEGDIST (m) )=[0.08,2.74 -0.035,26.04 0.08,28.78] NSEG
289                         times
290                         ( DISTANCE (m) , ELEVATION (m) )=[1.37 , 94.96]
291                         [2.74 , 94.87]
292                         [4.11 , 94.78]
293                         [5.48 , 94.67]
294                         [6.85 , 94.62]

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294 [8.22, 94.39]
295 [9.59, 94.24]
296 [10.96, 94.27]
297 [12.33, 94.35]
298 [13.7, 94.42]
299 [15.07, 94.49]
300 [16.44, 94.57]
301 [17.81, 94.61]
302 [23.29, 94.75]
303 [24.66, 94.82]
304 [26.04, 94.85]
305 [27.41, 94.91]
306 [28.78, 94.94]
307 *%-----|-----|
308 ADD HYD      NHYDsum=["J2"], NHYDs to add=["R1"+"M2"+"M3"]
309 *%-----|-----|
310 * NOTE: Cross-section C2 is taken from the LiDAR data
311 ROUTE CHANNEL NHYDout=["R2"], NHYDin=["J2"], RDT=[5] (min),
312 CHLGTH=[470.986] (m), CHSLOPE=[0.221] (%), FPSLOPE=[0.221] (%),
313 SECNUM=[2], NSEG=[3],
314 ( SEGROUGH, SEGDIST (m))=[0.08,8.28 -0.035,28.98 0.08,30.36] NSEG
    times
315 ( DISTANCE (m), ELEVATION (m))=[5.52, 94.07]
316 [6.9, 94.04]
317 [8.28, 93.99]
318 [9.66, 93.84]
319 [11.04, 93.75]
320 [12.42, 93.58]
321 [13.8, 93.53]
322 [15.18, 93.48]
323 [16.56, 93.44]
324 [17.94, 93.35]
325 [19.32, 93.4]
326 [20.7, 93.47]
327 [22.08, 93.58]
328 [23.46, 93.64]
329 [24.84, 93.79]
330 [26.22, 93.88]
331 [27.6, 93.92]
332 [28.98, 94.01]
333 [30.36, 94.14]
334 *%-----|-----|
335 ADD HYD      NHYDsum=["J3"], NHYDs to add=["R2"+"M4"]
336 *%-----|-----|
337 * NOTE: Cross-section C3 is taken from the LiDAR data
338 ROUTE CHANNEL NHYDout=["R3"], NHYDin=["J3"], RDT=[5] (min),
339 CHLGTH=[733.681] (m), CHSLOPE=[0.1] (%), FPSLOPE=[0.1] (%),
340 SECNUM=[3], NSEG=[3],
341 ( SEGROUGH, SEGDIST (m))=[0.08,4.06 -0.035,61.98 0.08,67.06] NSEG
    times
342 ( DISTANCE (m), ELEVATION (m))=[2.03, 94.57]
343 [4.06, 94.33]
344 [6.1, 94.26]
345 [9.14, 94.13]
346 [15.24, 93.62]
347 [17.27, 93.57]
348 [22.35, 93.39]
349 [24.38, 93.13]
350 [25.4, 93.08]
351 [27.43, 92.9]
352 [42.67, 92.8]
353 [43.69, 92.87]
354 [47.75, 93.28]
355 [48.77, 93.35]
356 [50.8, 93.65]
357 [53.85, 93.82]
358 [55.88, 93.88]
359 [61.98, 94.31]
360 [64.01, 94.42]

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361                                     [67.06, 94.48]
362 *%-----|-----|
363 * NOTE: Cross-section C4 is taken from the LiDAR data
364 ROUTE CHANNEL      NHYDout=["R4"], NHYDin=["EXT5"], RDT=[5] (min),
365                   CHLGTH=[693.089] (m), CHSLOPE=[0.72] (%), FPSLOPE=[0.72] (%),
366                   SECNUM=[4], NSEG=[3],
367                   ( SEGROUGH, SEGDIST (m))=[0.08,2.67 -0.035,10.69 0.08,12.02] NSEG
368                   times
369                   ( DISTANCE (m), ELEVATION (m))=[0, 96.04]
370                                     [1.34, 96.01]
371                                     [2.67, 95.98]
372                                     [4.01, 95.74]
373                                     [5.34, 95.8]
374                                     [6.68, 95.84]
375                                     [8.01, 95.86]
376                                     [9.35, 95.91]
377                                     [10.69, 95.95]
378                                     [12.02, 96.05]
379 *%-----|-----|
380 ADD HYD            NHYDsum=["J4"], NHYDs to add=["R4"+"R3"+"M5"]
381 *%-----|-----|
382 * NOTE: Cross-section C5 is taken from the LiDAR data
383 ROUTE CHANNEL      NHYDout=["R5"], NHYDin=["J4"], RDT=[5] (min),
384                   CHLGTH=[664.278] (m), CHSLOPE=[0.157] (%), FPSLOPE=[0.157] (%),
385                   SECNUM=[5], NSEG=[3],
386                   ( SEGROUGH, SEGDIST (m))=[0.08,71.08 -0.035,96.93 0.08,102.1] NSEG
387                   times
388                   ( DISTANCE (m), ELEVATION (m))=[67.2, 93.03]
389                                     [68.49, 92.95]
390                                     [71.08, 92.81]
391                                     [73.66, 92.64]
392                                     [74.96, 92.5]
393                                     [77.54, 92.22]
394                                     [78.83, 92.09]
395                                     [82.71, 91.89]
396                                     [85.29, 91.86]
397                                     [87.88, 91.84]
398                                     [90.46, 92]
399                                     [91.76, 92.23]
400                                     [93.05, 92.45]
401                                     [95.63, 92.73]
402                                     [96.93, 92.87]
403                                     [99.51, 93.13]
404                                     [102.1, 93.39]
405 *%-----|-----|
406 ADD HYD            NHYDsum=["J7"], NHYDs to add=["R5"]
407 *%-----|-----|
408 * NOTE: Cross-section C6 is taken from the LiDAR data
409 ROUTE CHANNEL      NHYDout=["R6"], NHYDin=["EXT1"], RDT=[5] (min),
410                   CHLGTH=[871.277] (m), CHSLOPE=[0.343] (%), FPSLOPE=[0.343] (%),
411                   SECNUM=[6], NSEG=[3],
412                   ( SEGROUGH, SEGDIST (m))=[0.08,54.88 -0.035,60.11 0.08,61.42] NSEG
413                   times
414                   ( DISTANCE (m), ELEVATION (m))=[53.58, 94.61]
415                                     [54.88, 94.29]
416                                     [56.19, 93.29]
417                                     [57.5, 93.1]
418                                     [58.8, 93.14]
419                                     [60.11, 94.12]
420                                     [61.42, 94.43]
421 *%-----|-----|
422 * NOTE: Cross-section C7 is taken from the LiDAR data
423 ROUTE CHANNEL      NHYDout=["R7"], NHYDin=["EXT2"], RDT=[5] (min),
424                   CHLGTH=[651.395] (m), CHSLOPE=[0.258] (%), FPSLOPE=[0.258] (%),
425                   SECNUM=[7], NSEG=[3],
426                   ( SEGROUGH, SEGDIST (m))=[0.08,71.74 -0.035,108.26 0.08,112.17]
427                   NSEG times
428                   ( DISTANCE (m), ELEVATION (m))=[69.13, 93.97]
429                                     [71.74, 93.96]

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426 [74.35, 93.89]
427 [75.65, 93.8]
428 [76.95, 93.8]
429 [78.26, 93.75]
430 [79.56, 93.74]
431 [80.87, 93.75]
432 [82.17, 93.78]
433 [84.78, 93.83]
434 [92.61, 93.86]
435 [93.91, 93.9]
436 [96.52, 93.91]
437 [99.13, 93.92]
438 [101.74, 93.94]
439 [104.34, 93.95]
440 [108.26, 93.95]
441 [110.87, 93.98]
442 [112.17, 93.99]
443 *%-----|-----|
444 * NOTE: Cross-section C8 is taken from the LiDAR data
445 ROUTE CHANNEL NHYDout=["R8"], NHYDin=["EXT3"], RDT=[5] (min),
446 CHLGTH=[181.107] (m), CHSLOPE=[0.339] (%), FPSLOPE=[0.339] (%),
447 SECNUM=[8], NSEG=[3],
448 ( SEGROUGH, SEGDIST (m))=[0.08,64.17 -0.035,66.42 0.08,68.68] NSEG
times
449 ( DISTANCE (m), ELEVATION (m))=[63.05, 93.85]
450 [64.17, 93.53]
451 [65.3, 93.38]
452 [66.42, 93.51]
453 [67.55, 93.68]
454 [68.68, 94]
455 *%-----|-----|
456 ADD HYD NHYDsum=["J10"], NHYDs to add=["R7"+"R8"]
457 *%-----|-----|
458 * NOTE: Cross-section C9 is taken from the LiDAR data
459 ROUTE CHANNEL NHYDout=["R9"], NHYDin=["J10"], RDT=[5] (min),
460 CHLGTH=[366.191] (m), CHSLOPE=[0.414] (%), FPSLOPE=[0.414] (%),
461 SECNUM=[9], NSEG=[3],
462 ( SEGROUGH, SEGDIST (m))=[0.08,69.01 -0.035,74.86 0.08,77.2] NSEG
times
463 ( DISTANCE (m), ELEVATION (m))=[67.84, 93.02]
464 [69.01, 92.95]
465 [70.18, 92.39]
466 [71.35, 92.37]
467 [72.52, 92.36]
468 [73.69, 92.81]
469 [74.86, 92.98]
470 [76.03, 93.07]
471 [77.2, 93.16]
472 *%-----|-----|
473 ADD HYD NHYDsum=["CATCHMENT"], NHYDs to add=["R6"+"R9"+"EXT4"+"R4"+"SITE"]
474 *%-----|-----|
475 SAVE HYD NHYD=["CATCHMENT"], # OF PCYCLES=[-1], ICASEsh=[1]
476 HYD_COMMENT=["Total Pre Dev Runoff From Site"]
477 *%-----|-----|
478 ADD HYD NHYDsum=["J11"], NHYDs to add=["J7"+"R6"+"R9"+"EXT4"+"SITE"]
479 *%-----|-----|
480 * NOTE: Cross-section C10 is taken from the LiDAR data
481 ROUTE CHANNEL NHYDout=["R10"], NHYDin=["J11"], RDT=[5] (min),
482 CHLGTH=[308.179] (m), CHSLOPE=[0.1] (%), FPSLOPE=[0.1] (%),
483 SECNUM=[10], NSEG=[3],
484 ( SEGROUGH, SEGDIST (m))=[0.08,7.52 -0.035,87.69 0.08,95.21] NSEG
times
485 ( DISTANCE (m), ELEVATION (m))=[0, 93.73]
486 [3.76, 93.66]
487 [7.52, 93.51]
488 [16.29, 93.22]
489 [22.55, 92.99]
490 [31.32, 92.89]
491 [40.09, 92.81]

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492 [50.11, 92.49]
493 [51.36, 92.25]
494 [61.38, 91.74]
495 [63.89, 91.5]
496 [80.18, 91.52]
497 [81.43, 91.71]
498 [83.93, 92]
499 [85.19, 92.66]
500 [86.44, 93.31]
501 [87.69, 93.51]
502 [91.45, 93.69]
503 [95.21, 93.73]
504 *%-----|-----|
505 ADD HYD NHYDsum=["J12"], NHYDs to add=["R10"+"M6"+"M8"]
506 *%-----|-----|
-----|
507 EROSION INDEX INDEX_METHOD=[1], QCE=[ 0.175 ](cms) NHYDsErosion=[ "J12" ]
508 *%-----|-----|
-----|
509 SAVE HYD NHYD=["J12"], # OF PCYCLES=[-1], ICASEsh=[1]
510 HYD_COMMENT=["J12- GMX Erosion Node MC-3"]
511 *%-----|-----|
512 * NOTE: Cross-section C11 is taken from the LiDAR data
513 ROUTE CHANNEL NHYDout=["R11"], NHYDin=["J12"], RDT=[5](min),
514 CHLGTH=[1181.518](m), CHSLOPE=[0.1](%), FPSLOPE=[0.1](%),
515 SECNUM=[11], NSEG=[3],
516 ( SEGROUGH, SEGDIST (m))=[0.08,37.47 -0.035,88.11 0.08,97.22] NSEG
times
517 ( DISTANCE (m), ELEVATION (m))=[34.43, 93.16]
518 [37.47, 92.53]
519 [40.51, 91.85]
520 [43.55, 91.36]
521 [46.59, 91.07]
522 [51.65, 90.71]
523 [58.74, 90.66]
524 [62.79, 90.85]
525 [66.84, 90.95]
526 [71.9, 91.37]
527 [80.01, 91.45]
528 [84.06, 91.85]
529 [86.08, 92.16]
530 [88.11, 92.59]
531 [94.19, 92.94]
532 [97.22, 93.2]
533 *%-----|-----|
534 ADD HYD NHYDsum=["J13"], NHYDs to add=["T1"+"T2"+"T3"]
535 *%-----|-----|
536 * NOTE: Cross-section C12 is taken from the LiDAR data
537 ROUTE CHANNEL NHYDout=["R12"], NHYDin=["J13"], RDT=[5](min),
538 CHLGTH=[705.792](m), CHSLOPE=[0.116](%), FPSLOPE=[0.116](%),
539 SECNUM=[12], NSEG=[3],
540 ( SEGROUGH, SEGDIST (m))=[0.08,67.9 -0.035,74.69 0.08,75.82] NSEG
times
541 ( DISTANCE (m), ELEVATION (m))=[66.77, 92.59]
542 [67.9, 92.33]
543 [69.03, 91.9]
544 [70.17, 91.16]
545 [71.3, 91.07]
546 [72.43, 91.23]
547 [73.56, 91.75]
548 [74.69, 92.68]
549 [75.82, 92.75]
550 *%-----|-----|
551 ADD HYD NHYDsum=["J14"], NHYDs to add=["T4"+"T5"+"R12"]
552 *%-----|-----|
553 * NOTE: Cross-section C13 is taken from the LiDAR data
554 ROUTE CHANNEL NHYDout=["R13"], NHYDin=["J14"], RDT=[5](min),
555 CHLGTH=[1015.406](m), CHSLOPE=[0.1](%), FPSLOPE=[0.1](%),
556 SECNUM=[13], NSEG=[3],

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557      ( SEGROUGH, SEGDIST (m))=[0.08,4.12 -0.035,67.25 0.08,71.37] NSEG
times
558      ( DISTANCE (m), ELEVATION (m))=[0, 92.15]
559      [1.37, 92.1]
560      [4.12, 92.02]
561      [9.61, 91.92]
562      [17.84, 91.82]
563      [21.96, 91.8]
564      [31.57, 91.73]
565      [42.54, 91.66]
566      [46.66, 91.62]
567      [54.9, 91.58]
568      [56.27, 91.21]
569      [57.64, 90.73]
570      [59.01, 90.67]
571      [61.76, 90.77]
572      [63.13, 91.31]
573      [64.5, 91.8]
574      [67.25, 92.03]
575      [69.99, 92.16]
576      [71.37, 92.28]
577 *%-----|-----|
578 ADD HYD      NHYDsum=["J15"], NHYDs to add=["T6"+"T7"+"M7"+"R11"+"R13"]
579 *%-----|-----|
580 * NOTE: Cross-section C14 is taken from the LiDAR data
581 ROUTE CHANNEL      NHYDout=["R14"], NHYDin=["J15"], RDT=[5] (min),
582      CHLGTH=[555.855] (m), CHSLOPE=[0.1] (%), FPSLOPE=[0.1] (%),
583      SECNUM=[14], NSEG=[3],
584      ( SEGROUGH, SEGDIST (m))=[0.08,62.04 -0.035,159.54 0.08,163.34]
NSEG times
585      ( DISTANCE (m), ELEVATION (m))=[58.24, 91.88]
586      [59.51, 91.83]
587      [60.78, 91.76]
588      [62.04, 91.53]
589      [63.31, 91.13]
590      [64.58, 90.7]
591      [67.11, 90.45]
592      [75.97, 90.38]
593      [82.3, 90.37]
594      [93.7, 90.38]
595      [98.76, 90.42]
596      [100.03, 90.56]
597      [103.83, 91.07]
598      [105.09, 91.1]
599      [153.21, 91.26]
600      [154.48, 91.32]
601      [158.27, 91.48]
602      [159.54, 91.53]
603      [160.81, 91.6]
604      [163.34, 91.63]
605 *%-----|-----|
606 ADD HYD      NHYDsum=["OUT"], NHYDs to add=["M9"+"R14"]
607 *%-----|-----|
608 *#=====
609 *
610 *#=====
611 START      TZERO=[1968.0101], METOUT=[2], NSTORM=[0], NRUN=[1968]
612 START      TZERO=[1969.0101], METOUT=[2], NSTORM=[0], NRUN=[1969]
613 START      TZERO=[1970.0101], METOUT=[2], NSTORM=[0], NRUN=[1970]
614 START      TZERO=[1971.0101], METOUT=[2], NSTORM=[0], NRUN=[1971]
615 START      TZERO=[1972.0101], METOUT=[2], NSTORM=[0], NRUN=[1972]
616 START      TZERO=[1973.0101], METOUT=[2], NSTORM=[0], NRUN=[1973]
617 START      TZERO=[1974.0101], METOUT=[2], NSTORM=[0], NRUN=[1974]
618 START      TZERO=[1975.0101], METOUT=[2], NSTORM=[0], NRUN=[1975]
619 START      TZERO=[1976.0101], METOUT=[2], NSTORM=[0], NRUN=[1976]
620 START      TZERO=[1977.0101], METOUT=[2], NSTORM=[0], NRUN=[1977]
621 START      TZERO=[1978.0101], METOUT=[2], NSTORM=[0], NRUN=[1978]
622 START      TZERO=[1979.0101], METOUT=[2], NSTORM=[0], NRUN=[1979]
623 START      TZERO=[1980.0101], METOUT=[2], NSTORM=[0], NRUN=[1980]

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624 START TZERO=[1981.0101], METOUT=[2], NSTORM=[0], NRUN=[1981]
625 START TZERO=[1982.0101], METOUT=[2], NSTORM=[0], NRUN=[1982]
626 START TZERO=[1983.0101], METOUT=[2], NSTORM=[0], NRUN=[1983]
627 START TZERO=[1984.0101], METOUT=[2], NSTORM=[0], NRUN=[1984]
628 START TZERO=[1985.0101], METOUT=[2], NSTORM=[0], NRUN=[1985]
629 START TZERO=[1986.0101], METOUT=[2], NSTORM=[0], NRUN=[1986]
630 START TZERO=[1987.0101], METOUT=[2], NSTORM=[0], NRUN=[1987]
631 START TZERO=[1988.0101], METOUT=[2], NSTORM=[0], NRUN=[1988]
632 START TZERO=[1989.0101], METOUT=[2], NSTORM=[0], NRUN=[1989]
633 START TZERO=[1990.0101], METOUT=[2], NSTORM=[0], NRUN=[1990]
634 START TZERO=[1991.0101], METOUT=[2], NSTORM=[0], NRUN=[1991]
635 START TZERO=[1992.0101], METOUT=[2], NSTORM=[0], NRUN=[1992]
636 START TZERO=[1993.0101], METOUT=[2], NSTORM=[0], NRUN=[1993]
637 START TZERO=[1994.0101], METOUT=[2], NSTORM=[0], NRUN=[1994]
638 START TZERO=[1995.0101], METOUT=[2], NSTORM=[0], NRUN=[1995]
639 START TZERO=[1996.0101], METOUT=[2], NSTORM=[0], NRUN=[1996]
640 START TZERO=[1997.0101], METOUT=[2], NSTORM=[0], NRUN=[1997]
641 START TZERO=[1998.0101], METOUT=[2], NSTORM=[0], NRUN=[1998]
642 START TZERO=[1999.0101], METOUT=[2], NSTORM=[0], NRUN=[1999]
643 START TZERO=[2000.0101], METOUT=[2], NSTORM=[0], NRUN=[2000]
644 START TZERO=[2002.0101], METOUT=[2], NSTORM=[0], NRUN=[2002]
645 START TZERO=[2003.0101], METOUT=[2], NSTORM=[0], NRUN=[2003]
646 START TZERO=[2004.0101], METOUT=[2], NSTORM=[0], NRUN=[2004]
647 START TZERO=[2006.0101], METOUT=[2], NSTORM=[0], NRUN=[2006]
648 START TZERO=[2007.0101], METOUT=[2], NSTORM=[0], NRUN=[2007]
649 START TZERO=[2008.0101], METOUT=[2], NSTORM=[0], NRUN=[2008]
650 START TZERO=[2009.0101], METOUT=[2], NSTORM=[0], NRUN=[2009]
651 START TZERO=[2010.0101], METOUT=[2], NSTORM=[0], NRUN=[2010]
652 *START TZERO=[2011.0101], METOUT=[2], NSTORM=[0], NRUN=[2011]
653 START TZERO=[2012.0101], METOUT=[2], NSTORM=[0], NRUN=[2012]
654 START TZERO=[2013.0101], METOUT=[2], NSTORM=[0], NRUN=[2013]
655 START TZERO=[2014.0101], METOUT=[2], NSTORM=[0], NRUN=[2014]
656 START TZERO=[2015.0101], METOUT=[2], NSTORM=[0], NRUN=[2015]
657 START TZERO=[2016.0101], METOUT=[2], NSTORM=[0], NRUN=[2016]
658 *%-----|-----
-----|
659 FINISH
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00001 =====
00002
00003 SSSSS W W M M H H Y Y M M O O O 222 000 11 5555 =====
00004 S W W M M M M H H Y Y M M M O O 2 0 0 11 5
00005 SSSSS W W M M H H Y Y M M O O O 2 0 0 11 5 Ver 5.500
00006 S W W M M H H Y Y M M O O O 222 0 0 11 555 FEB 2013
00007 SSSSS W W M M H H Y Y M M O O O 2 0 0 11 5
00008
00009 StormWater Management Hydrologic Model 222 000 11 555 =====
00010
00011 ***** SWMHYD Ver 5.000 *****
00012 ***** A single event and continuous hydrologic simulation model *****
00013 ***** based on the principles of HYMO and its successors *****
00014 *****
00015 ***** Distributed by: J.F. Sabourin and Associates Inc. *****
00016 *****
00017 ***** Ottawa, Ontario: (613) 836-3884 *****
00018 *****
00019 ***** Gatineau, Quebec: (819) 243-6858 *****
00020 ***** EMail: sasm@jfsa.com *****
00021 *****
00022 *****
00023 ***** Licensed user: JFSaInc. *****
00024 ***** SERIAL#:2549237 *****
00025 *****
00026 *****
00027 *****
00028 ***** PROGRAM ARRAY DIMENSIONS *****
00029 *****
00030 ***** Max. number of flow points: 105408 *****
00031 *****
00032 *****
00033 *****
00034 *****
00035 ***** S U M M A R Y O U T P U T *****
00036 *****
00037 *****
00038 ***** RUN DATE: 2025-07-28 TIME: 10:24:40 RUN COUNTER: 090703 *****
00039 *****
00040 ***** Input file: C:\Temp\202507\Fee\MALB-Pre v01-Cont.dat *****
00041 ***** Output file: C:\Temp\202507\Fee\MALB-Pre v01-Cont.out *****
00042 ***** Summary file: C:\Temp\202507\Fee\MALB-Pre v01-Cont.sum *****
00043 ***** User comments: *****
00044 *****
00045 *****
00046 *****
00047 *****
00048 *****
00049 *****
00050 *****
00051 ***** SWMHYD / INPUT DATA FILE *****
00052 *****
00053 ***** Project Name : [Tamarack Richmond] *****
00054 ***** Project Number : [P2001.e011] *****
00055 ***** Date : [2025 JULY 23] *****
00056 ***** Modeler : [JM and GS] *****
00057 ***** Company : [JFSa Canada Inc.] *****
00058 ***** License # : [2549237] *****
00059 *****
00060 ***** SUMMER CONDITIONS MODEL *****
00061 ***** Model developed to simulate runoff from subcatchments under pre development conditions *****
00062 *****
00063 *****
00064 *****
00065 ***** ** END OF RUN : 1967 *****
00066 *****
00067 *****
00068 *****
00069 *****
00070 *****
00071 *****
00072 *****
00073 ***** RUN#COMMAND# *****
00074 ***** R1967:00001 *****
00075 ***** START *****
00076 ***** [TZERO = 0.00 hrs on 19670101] *****
00077 ***** [INFORM = 2 (Imprecise, 2=meric output)] *****
00078 ***** [INFORM = 0] *****
00079 ***** [RUN = 1967] *****
00080 *****
00081 ***** SWMHYD / INPUT DATA FILE *****
00082 *****
00083 ***** Project Name : [Tamarack Richmond] *****
00084 ***** Project Number : [P2001.e011] *****
00085 ***** Date : [2025 JULY 23] *****
00086 ***** Modeler : [JM and GS] *****
00087 ***** Company : [JFSa Canada Inc.] *****
00088 ***** License # : [2549237] *****
00089 *****
00090 ***** SUMMER CONDITIONS MODEL *****
00091 ***** Model developed to simulate runoff from subcatchments under pre development conditions *****
00092 *****
00093 *****
00094 *****
00095 ***** # Ottawa International Airport - 19 July 1967 to 01 Nov 2016 *****
00096 ***** R1967:00002 *****
00097 ***** READ AREA DATA *****
00098 ***** [Filename = YOW 1967-2016.txt ] *****
00099 ***** [Start date = 1967-01-01; End date = 1967-12-31] *****
00100 ***** [OTE 60 min; Length 3884 hrs; WetDays = 2371; DryDays = 3727; PDDT= 386.90] *****
00101 ***** Maximum average rainfall intensities over *****
00102 ***** 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs *****
00103 ***** 24.60 37.65 33.20 7.25 3.83 2.36 1.73 1.32 9.90 mm/hr *****
00104 ***** 24.60 35.30 39.60 43.50 46.00 46.00 42.30 63.20 64.90 *****
00105 ***** 19670201 19670201 19670202 19670202 19670202 19670202 19670203 19670204 *****
00106 ***** Number of rainfall events per following interval time *****
00107 ***** 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs *****
00108 ***** 80 65 56 40 32 29 24 20 18 *****
00109 ***** Number of events with at least the following durations *****
00110 ***** 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs *****
00111 ***** 79 42 29 14 3 0 0 0 0 *****
00112 ***** R1967:00003 *****
00113 ***** COMPUTE AFI *****
00114 ***** [AFImin = 40.00; AFIKey = 8000; AFImax = .9907] *****
00115 ***** [AFImin = 52.67; AFIKey = 233] *****
00116 *****
00117 *****
00118 ***** # Pre-Development Conditions *****
00119 *****
00120 *****
00121 ***** # EXT1 *****
00122 *****
00123 ***** R1967:00004 *****
00124 ***** CONTINUOUS NASHYD 5.0 01:EXT1 60.46 .471 1967.0922 1140 96.52 249 .000 *****
00125 ***** [CNF 53.0; N= 3.00; Tpe = 1.64] *****
00126 ***** [IAREC=24.00; EMIN= 99.77; SMAX=665.12; Eke = 100] *****
00127 *****
00128 *****
00129 ***** # EXT2 *****
00130 *****
00131 ***** R1967:00005 *****
00132 ***** CONTINUOUS NASHYD 5.0 01:EXT2 7.62 .120 1967.0922 0130 109.37 283 .000 *****
00133 ***** [CNF 63.0; N= 3.00; Tpe = .92] *****
00134 ***** [IAREC=24.00; EMIN= 59.42; SMAX=396.11; Eke = 100] *****
00135 *****
00136 *****
00137 ***** # EXT3 *****
00138 *****
00139 ***** R1967:00006 *****
00140 ***** CONTINUOUS NASHYD 5.0 01:EXT3 37.96 .185 1967.0922 1125 104.99 271 .000 *****
00141 ***** [CNF 59.0; N= 3.00; Tpe = 1.64] *****
00142 ***** [IAREC=24.00; EMIN= 70.11; SMAX=467.39; Eke = 100] *****
00143 *****
00144 *****
00145 ***** # EXT4 *****
00146 *****
00147 ***** R1967:00007 *****
00148 ***** CONTINUOUS NASHYD 5.0 01:EXT4 .64 .009 1967.0921 23125 94.51 244 .000 *****
00149 ***** [CNF 48.0; N= 3.00; Tpe = .43] *****
00150 ***** [IAREC=24.00; EMIN= 105.74; SMAX=731.60; Eke = 100] *****
00151 *****
00152 *****
00153 ***** # EXT5 *****
00154 *****
00155 ***** R1967:00008 *****
00156 ***** CONTINUOUS NASHYD 5.0 01:EXT5 1.55 .026 1967.0921 23130 101.73 263 .000 *****
00157 ***** [CNF 59.0; N= 3.00; Tpe = 1.64] *****
00158 ***** [IAREC=24.00; EMIN= 79.69; SMAX=531.24; Eke = 100] *****
00159 *****
00160 *****
00161 ***** # NI *****
00162 *****
00163 ***** R1967:00009 *****
00164 ***** CONTINUOUS NASHYD 5.0 01:NI 111.89 .122 1967.0922 1130 104.99 271 .000 *****
00165 ***** [CNF 53.0; N= 3.00; Tpe = 1.71] *****
00166 ***** [IAREC=24.00; EMIN= 70.11; SMAX=467.39; Eke = 100] *****
00167 *****
00168 *****
00169 ***** # NI *****
00170 *****
00171 ***** R1967:00010 *****
00172 ***** CONTINUOUS NASHYD 5.0 01:NI 119.73 .078 1967.0922 3110 98.37 255 .000 *****
00173 ***** [CNF 53.0; N= 3.00; Tpe = 3.12] *****
00174 ***** [IAREC=24.00; EMIN= 95.01; SMAX=606.70; Eke = 100] *****
00175 *****
00176 *****
00177 ***** # NI *****
00178 *****
00179 ***** R1967:00011 *****
00180 ***** CONTINUOUS NASHYD 5.0 01:NI 39.07 .071 1967.0922 1135 92.54 239 .000

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00181 ***** [CNF 46.0; N= 3.00; Tpe = 1.68] *****
00182 ***** [IAREC=24.00; EMIN= 111.9; SMAX=807.93; Eke = 100] *****
00183 ***** [InterEventTime = 24.00] *****
00184 *****
00185 ***** # M4 *****
00186 *****
00187 ***** R1967:00012 *****
00188 ***** CONTINUOUS NASHYD 5.0 01:M4 50.96 .396 1967.0922 1155 98.57 255 .000 *****
00189 ***** [CNF 53.0; N= 3.00; Tpe = 1.93] *****
00190 ***** [IAREC=24.00; EMIN= 81.01; SMAX=606.70; Eke = 100] *****
00191 ***** [InterEventTime = 24.00] *****
00192 *****
00193 ***** # M5 *****
00194 *****
00195 ***** R1967:00013 *****
00196 ***** CONTINUOUS NASHYD 5.0 01:M5 56.26 .458 1967.0922 2105 101.73 263 .000 *****
00197 ***** [CNF 53.0; N= 3.00; Tpe = 2.99] *****
00198 ***** [IAREC=24.00; EMIN= 79.69; SMAX=531.24; Eke = 100] *****
00199 ***** [InterEventTime = 24.00] *****
00200 *****
00201 ***** # M6 *****
00202 *****
00203 ***** R1967:00014 *****
00204 ***** CONTINUOUS NASHYD 5.0 01:M6 25.62 .266 1967.0922 1140 108.42 280 .000 *****
00205 ***** [CNF 59.0; N= 3.00; Tpe = 1.63] *****
00206 ***** [IAREC=24.00; EMIN= 61.90; SMAX=412.66; Eke = 100] *****
00207 ***** [InterEventTime = 24.00] *****
00208 *****
00209 ***** # M7 *****
00210 *****
00211 ***** R1967:00015 *****
00212 ***** CONTINUOUS NASHYD 5.0 01:M7 47.26 .586 1967.0922 2110 128.15 331 .000 *****
00213 ***** [CNF 75.0; N= 3.00; Tpe = 2.29] *****
00214 ***** [IAREC=24.00; EMIN= 33.41; SMAX=225.43; Eke = 100] *****
00215 ***** [InterEventTime = 24.00] *****
00216 *****
00217 ***** # M8 *****
00218 *****
00219 ***** R1967:00016 *****
00220 ***** CONTINUOUS NASHYD 5.0 01:M8 14.26 .938 1967.0922 0135 132.67 343 .000 *****
00221 ***** [CNF 78.0; N= 3.00; Tpe = 1.13] *****
00222 ***** [IAREC=24.00; EMIN= 79.69; SMAX=199.22; Eke = 100] *****
00223 ***** [InterEventTime = 24.00] *****
00224 *****
00225 ***** # M9 *****
00226 *****
00227 ***** R1967:00017 *****
00228 ***** CONTINUOUS NASHYD 5.0 01:M9 24.24 .442 1967.0922 0140 123.84 320 .000 *****
00229 ***** [CNF 73.0; N= 3.00; Tpe = 1.13] *****
00230 ***** [IAREC=24.00; EMIN= 38.18; SMAX=254.55; Eke = 100] *****
00231 ***** [InterEventTime = 24.00] *****
00232 *****
00233 ***** # SITE *****
00234 *****
00235 ***** R1967:00018 *****
00236 ***** CONTINUOUS NASHYD 5.0 01:SITE 60.48 .759 1967.0922 0145 104.99 271 .000 *****
00237 ***** [IAREC=24.00; EMIN= 70.11; SMAX=467.39; Eke = 100] *****
00238 ***** [IAREC=24.00; EMIN= 70.11; SMAX=467.39; Eke = 100] *****
00239 ***** [InterEventTime = 24.00] *****
00240 *****
00241 ***** # T1 *****
00242 *****
00243 ***** R1967:00019 *****
00244 ***** CONTINUOUS NASHYD 5.0 01:T1 79.25 .108 1967.0922 1120 119.70 309 .000 *****
00245 ***** [CNF 70.0; N= 3.00; Tpe = 1.64] *****
00246 ***** [IAREC=24.00; EMIN= 43.07; SMAX=287.10; Eke = 100] *****
00247 ***** [InterEventTime = 24.00] *****
00248 *****
00249 ***** # T2 *****
00250 *****
00251 ***** R1967:00020 *****
00252 ***** CONTINUOUS NASHYD 5.0 01:T2 109.89 .124 1967.0922 2115 122.44 316 .000 *****
00253 ***** [CNF 72.0; N= 3.00; Tpe = 2.34] *****
00254 ***** [IAREC=24.00; EMIN= 39.75; SMAX=264.99; Eke = 100] *****
00255 ***** [InterEventTime = 24.00] *****
00256 *****
00257 ***** # T3 *****
00258 *****
00259 ***** R1967:00021 *****
00260 ***** CONTINUOUS NASHYD 5.0 01:T3 12.05 .236 1967.0922 0135 119.70 309 .000 *****
00261 ***** [CNF 70.0; N= 3.00; Tpe = .87] *****
00262 ***** [IAREC=24.00; EMIN= 70.11; SMAX=287.10; Eke = 100] *****
00263 ***** [InterEventTime = 24.00] *****
00264 *****
00265 ***** # T4 *****
00266 *****
00267 ***** R1967:00022 *****
00268 ***** CONTINUOUS NASHYD 5.0 01:T4 65.89 .899 1967.0922 1130 122.44 316 .000 *****
00269 ***** [CNF 72.0; N= 3.00; Tpe = 1.76] *****
00270 ***** [IAREC=24.00; EMIN= 39.75; SMAX=264.99; Eke = 100] *****
00271 ***** [InterEventTime = 24.00] *****
00272 *****
00273 ***** # T5 *****
00274 *****
00275 ***** R1967:00023 *****
00276 ***** CONTINUOUS NASHYD 5.0 01:T5 171.81 .136 1967.0922 2105 110.74 286 .000 *****
00277 ***** [CNF 64.0; N= 3.00; Tpe = 2.81] *****
00278 ***** [IAREC=24.00; EMIN= 57.05; SMAX=380.32; Eke = 100] *****
00279 ***** [InterEventTime = 24.00] *****
00280 *****
00281 ***** # T6 *****
00282 *****
00283 ***** R1967:00024 *****
00284 ***** CONTINUOUS NASHYD 5.0 01:T6 60.20 .640 1967.0922 2155 131.14 339 .000 *****
00285 ***** [CNF 73.0; N= 3.00; Tpe = 2.81] *****
00286 ***** [IAREC=24.00; EMIN= 31.15; SMAX=207.66; Eke = 100] *****
00287 ***** [InterEventTime = 24.00] *****
00288 *****
00289 ***** # T7 *****
00290 *****
00291 ***** R1967:00025 *****
00292 ***** CONTINUOUS NASHYD 5.0 01:T7 68.50 .713 1967.0922 2135 122.44 316 .000 *****
00293 ***** [CNF 72.0; N= 3.00; Tpe = 2.63] *****
00294 ***** [IAREC=24.00; EMIN= 39.75; SMAX=264.99; Eke = 100] *****
00295 ***** [InterEventTime = 24.00] *****
00296 *****
00297 ***** R1967:00026 *****
00298 ***** ROUTE CHANNEL -> 5.0 02:M1 111.89 .122 1967.0922 1130 104.99 n/a .000 *****
00299 ***** [RDF = 5.00] out< 3.0 01:R1 111.89 .122 1967.0922 1130 104.99 n/a .000 *****
00300 ***** [L/S/m = 238.7 / 105 / 035] *****
00301 ***** [Wmax = 324; Dmax = 468] *****
00302 ***** R1967:00027 *****
00303 ***** ADD HYD 5.0 02:R1 111.89 .790 1967.0922 3110 104.99 n/a .000 *****
00304 ***** [CNF 48.0; N= 3.00; Tpe = 1.64] *****
00305 ***** [IAREC=24.00; EMIN= 5.02; SMAX=139.34; Eke = 100] *****
00306 ***** [SUM = 5.0 01:J2 270.69 .167 1967.0922 2150 100.35 n/a .000 *****
00307 ***** R1967:00028 *****
00308 ***** ROUTE CHANNEL -> 5.0 02:J2 270.69 .167 1967.0922 2150 100.35 n/a .000 *****
00309 ***** [RDF = 5.00] out< 3.0 01:R2 270.69 .167 1967.0922 2150 100.35 n/a .000 *****
00310 ***** [L/S/m = 471.7 / 223 / 035] *****
00311 ***** [Wmax = 514; Dmax = 410] *****
00312 ***** R1967:00029 *****
00313 ***** ADD HYD 5.0 02:R2 270.69 .167 1967.0922 3105 100.35 n/a .000 *****
00314 ***** [CNF 48.0; N= 3.00; Tpe = 1.64] *****
00315 ***** [IAREC=24.00; EMIN= 5.02; SMAX=139.34; Eke = 100] *****
00316 ***** R1967:00030 *****
00317 ***** ROUTE CHANNEL -> 5.0 02:J3 321.65 .204 1967.0922 2150 100.07 n/a .000 *****
00318 ***** [RDF = 5.00] out< 3.0 01:R3 321.65 .197 1967.0922 3120 100.07 n/a .000 *****
00319 ***** [L/S/m = 734.7 / 100 / 035] *****
00320 ***** [Wmax = 358; Dmax = 347] *****
00321 ***** R1967:00031 *****
00322 ***** ROUTE CHANNEL -> 5.0 02:EXT3 1.55 .026 1967.0921 2130 101.73 n/a .000 *****
00323 ***** [RDF = 5.00] out< 3.0 01:R4 1.55 .021 1967.0922 0125 101.73 n/a .000 *****
00324 ***** [L/S/m = 691.7 / 720 / 035] *****
00325 ***** [Wmax = 271; Dmax = 083] *****
00326 ***** R1967:00032 *****
00327 ***** ADD HYD 5.0 02:R3 321.65 .197 1967.0922 3120 100.07 n/a .000 *****
00328 ***** [CNF 48.0; N= 3.00; Tpe = 1.64] *****
00329 ***** [IAREC=24.00; EMIN= 5.02; SMAX=139.34; Eke = 100] *****
00330 ***** [SUM = 5.0 01:J3 379.46 .278 1967.0922 2150 100.32 n/a .000 *****
00331 ***** R1967:00033 *****
00332 ***** ROUTE CHANNEL -> 5.0 02:EXT4 379.46 .278 1967.0922 2150 100.32 n/a .000 *****
00333 ***** [RDF = 5.00] out< 3.0 01:R5 379.46 .234 1967.0922 3120 100.32 n/a .000 *****
00334 ***** [L/S/m = 664.7 / 157 / 035] *****
00335 ***** [Wmax = 312; Dmax = 460] *****
00336 ***** R1967:00034 *****
00337 ***** ADD HYD 5.0 02:R4 379.46 .234 1967.0922 3120 100.32 n/a .000 *****
00338 ***** [CNF 48.0; N= 3.00; Tpe = 1.64] *****
00339 ***** [IAREC=24.00; EMIN= 5.02; SMAX=139.34; Eke = 100] *****
00340 ***** [SUM = 5.0 01:J4 379.46 .234 1967.0922 3120 100.32 n/a .000 *****
00341 ***** R1967:00035 *****
00342 ***** ROUTE CHANNEL -> 5.0 02:EXT5 60.46 .463 1967.0922 1155 96.52 n/a .000 *****
00343 ***** [RDF = 5.00] out< 3.0 01:R6 60.46 .463 1967.0922 1155 96.52 n/a .000 *****
00344 ***** [L/S/m = 871.1 / 243 / 035] *****
00345 ***** [Wmax = 618; Dmax = 321] *****
00346 ***** R1967:00036 *****
00347 ***** ROUTE CHANNEL -> 5.0 02:EXT6 7.62 .097 1967.0922 1110 109.57 n/a .000 *****
00348 ***** [RDF = 5.00] out< 3.0 01:R7 7.62 .097 1967.0922 1110 109.57 n/a .000 *****
00349 ***** [L/S/m = 651.1 / 258 / 038] *****
00350 ***** [Wmax = 194; Dmax = 101] *****
00351 ***** R1967:00037 *****
00352 ***** ROUTE CHANNEL -> 5.0 02:EXT7 17.96 .184 1967.0922 1130 104.99 n/a .000 *****
00353 ***** [RDF = 5.00] out< 3.0 01:R8 17.96 .184 1967.0922 1130 104.99 n/a .000 *****
00354 ***** [L/S/m = 139.1 / 139 / 035] *****
00355 ***** [Wmax = 447; Dmax = 232] *****
00356 ***** R1967:00038 *****
00357 ***** ADD HYD 5.0 02:R5 17.96 .184 1967.0922 1130 104.99 n/a .000 *****
00358 ***** [CNF 48.0; N= 3.00; Tpe = 1.64] *****
00359 ***** [IAREC=24.00; EMIN= 5.02; SMAX=139.34; Eke = 100] *****
00360 ***** [SUM = 5.0 01:J5 25.58 .278 1967.0922 2150 100.32 n/a .000 *****
00361 ***** R1967:00039 *****
00362 ***** ROUTE CHANNEL -> 5.0 02:EXT8 25.58 .278 1967.0922 2150 100.32 n/a .000 *****
00363 ***** [RDF = 5.00] out< 3.0 01:R9 25.58 .278 1967.0922 2150 100.32 n/a .000 *****

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00361 [L/S= 366./ 414./035]
00362 (Vmax= 395./max)
00363 R1967.C00040 -----DtmIn-ID:INHYD-----AREAhA-OPEARcKms-TPeakDate hh:mm-----RvMm-R.C-----DWfCms
00364 ADD HYD + 5.0 02186 60.46 .463 1967.0922 1155 96.52 n/a .000
00365 + 5.0 02189 25.58 .278 1967.0922 1155 106.16 n/a .000
00366 + 5.0 02187A 1.64 .009 1967.0921 23125 94.51 n/a .000
00367 + 5.0 02188 15.55 .122 1967.0922 0125 101.73 n/a .000
00368 + 5.0 02185 60.48 .759 1967.0922 0145 104.99 n/a .000
00369 SUM= 148.71 1.436 1967.0922 1115 101.70 n/a .000
00370 R1967.C00041 -----DtmIn-ID:INHYD-----AREAhA-OPEARcKms-TPeakDate hh:mm-----RvMm-R.C-----DWfCms
00371 SAVE HYD 5.0 01212 526.62 3.146 1967.0922 2140 100.71 n/a .000
00372 frame CATCHMENT:11
00373 remark:Total Pre Dev Runoff From Site
00374 R1967.C00042 -----DtmIn-ID:INHYD-----AREAhA-OPEARcKms-TPeakDate hh:mm-----RvMm-R.C-----DWfCms
00375 ADD HYD + 5.0 02186 60.46 .463 1967.0922 1155 96.52 n/a .000
00376 + 5.0 02189 25.58 .278 1967.0922 1155 106.16 n/a .000
00377 + 5.0 02187A 1.64 .009 1967.0921 23125 94.51 n/a .000
00378 + 5.0 02188 15.55 .122 1967.0922 0125 101.73 n/a .000
00379 + 5.0 02185 60.48 .759 1967.0922 0145 104.99 n/a .000
00380 SUM= 148.71 1.436 1967.0922 1115 101.70 n/a .000
00381 R1967.C00043 -----DtmIn-ID:INHYD-----AREAhA-OPEARcKms-TPeakDate hh:mm-----RvMm-R.C-----DWfCms
00382 ROUTE CHANNEL -> 5.0 02112 526.62 3.146 1967.0922 2140 100.71 n/a .000
00383 + (RDE= 5.0) out< 5.0 01810 526.62 3.146 1967.0922 2140 100.71 n/a .000
00384 (L/S= 308./ 110./035)
00385 (Vmax= 411./max)
00386 R1967.C00044 -----DtmIn-ID:INHYD-----AREAhA-OPEARcKms-TPeakDate hh:mm-----RvMm-R.C-----DWfCms
00387 ADD HYD + 5.0 02186 60.46 .463 1967.0922 1140 108.42 n/a .000
00388 + 5.0 02188 25.62 .266 1967.0922 1140 108.42 n/a .000
00389 + 5.0 02188 14.26 .293 1967.0922 0135 132.67 n/a .000
00390 SUM= 5.0 01812 566.50 3.703 1967.0922 2140 101.86 n/a .000
00391 R1967.C00045 -----DtmIn-ID:INHYD-----AREAhA-OPEARcKms-TPeakDate hh:mm-----RvMm-R.C-----DWfCms
00392 BROUEN INKX 5.0 01212 566.50 .040 1984.50 158.17 3.97 10 .293606
00393 (L/S= 175)
00394 R1967.C00046 -----DtmIn-ID:INHYD-----AREAhA-OPEARcKms-TPeakDate hh:mm-----RvMm-R.C-----DWfCms
00395 SAVE HYD 5.0 01212 566.50 3.703 1967.0922 2140 101.86 n/a .000
00396 frame J12.1967
00397 remark:Total CMC Erosion Model MC-3
00398 R1967.C00047 -----DtmIn-ID:INHYD-----AREAhA-OPEARcKms-TPeakDate hh:mm-----RvMm-R.C-----DWfCms
00399 ROUTE CHANNEL -> 5.0 02112 566.50 3.703 1967.0922 2140 101.86 n/a .000
00400 + (RDE= 5.0) out< 5.0 01812 566.50 3.703 1967.0922 2140 101.86 n/a .000
00401 (L/S= 1182./ 100./035)
00402 (Vmax= 439./max)
00403 R1967.C00048 -----DtmIn-ID:INHYD-----AREAhA-OPEARcKms-TPeakDate hh:mm-----RvMm-R.C-----DWfCms
00404 ADD HYD + 5.0 02171 79.25 1.084 1967.0922 1120 119.70 n/a .000
00405 + 5.0 02172 119.81 1.241 1967.0922 2135 122.44 n/a .000
00406 + 5.0 02173 12.05 .236 1967.0922 0125 119.70 n/a .000
00407 SUM= 5.0 01813 438.81 4.427 1967.0922 2105 117.29 n/a .000
00408 R1967.C00049 -----DtmIn-ID:INHYD-----AREAhA-OPEARcKms-TPeakDate hh:mm-----RvMm-R.C-----DWfCms
00409 ROUTE CHANNEL -> 5.0 02113 201.11 2.408 1967.0922 1140 121.20 n/a .000
00410 + (RDE= 5.0) out< 5.0 01812 201.11 2.408 1967.0922 1140 121.20 n/a .000
00411 (L/S= 706./ 116./035)
00412 (Vmax= 689./max)
00413 R1967.C00050 -----DtmIn-ID:INHYD-----AREAhA-OPEARcKms-TPeakDate hh:mm-----RvMm-R.C-----DWfCms
00414 ADD HYD + 5.0 02174 65.89 .899 1967.0922 1130 122.44 n/a .000
00415 + 5.0 02175 171.81 1.316 1967.0922 2135 122.44 n/a .000
00416 + 5.0 02182 201.11 2.378 1967.0922 1155 121.20 n/a .000
00417 SUM= 5.0 01813 438.81 4.427 1967.0922 2105 117.29 n/a .000
00418 R1967.C00051 -----DtmIn-ID:INHYD-----AREAhA-OPEARcKms-TPeakDate hh:mm-----RvMm-R.C-----DWfCms
00419 ROUTE CHANNEL -> 5.0 02114 438.81 4.427 1967.0922 2105 117.29 n/a .000
00420 + (RDE= 5.0) out< 5.0 01813 438.81 4.427 1967.0922 2105 117.29 n/a .000
00421 (L/S= 1101./ 100./035)
00422 (Vmax= 375./max)
00423 R1967.C00052 -----DtmIn-ID:INHYD-----AREAhA-OPEARcKms-TPeakDate hh:mm-----RvMm-R.C-----DWfCms
00424 ADD HYD + 5.0 02176 60.20 .640 1967.0922 2155 131.14 n/a .000
00425 + 5.0 02177 68.50 .713 1967.0922 2135 122.44 n/a .000
00426 + 5.0 02187 47.26 .586 1967.0922 2110 128.15 n/a .000
00427 + 5.0 02188 566.50 3.703 1967.0922 2140 101.86 n/a .000
00428 + 5.0 02183 438.81 4.035 1967.0922 4100 117.29 n/a .000
00429 SUM= 5.0 01215 1181.27 9.264 1967.0922 3105 111.33 n/a .000
00430 R1967.C00053 -----DtmIn-ID:INHYD-----AREAhA-OPEARcKms-TPeakDate hh:mm-----RvMm-R.C-----DWfCms
00431 ROUTE CHANNEL -> 5.0 02115 1181.27 9.264 1967.0922 3105 111.33 n/a .000
00432 + (RDE= 5.0) out< 5.0 01214 1181.27 9.264 1967.0922 3115 111.33 n/a .000
00433 (L/S= 556./ 100./035)
00434 (Vmax= 532./max)
00435 R1967.C00054 -----DtmIn-ID:INHYD-----AREAhA-OPEARcKms-TPeakDate hh:mm-----RvMm-R.C-----DWfCms
00436 ADD HYD + 5.0 02189 24.24 .442 1967.0922 0140 123.84 n/a .000
00437 + 5.0 02184 1181.27 9.269 1967.0922 3115 111.33 n/a .000
00438 SUM= 5.0 01007 1205.51 9.364 1967.0922 3110 111.58 n/a .000
00439 =====
00440 ** END OF RUN : 1967
00441
00442
00443
00444
00445
00446
00447
00448
00449 RUN COMMANDS
00450 R1968.C00001 -----DtmIn-ID:INHYD-----AREAhA-OPEARcKms-TPeakDate hh:mm-----RvMm-R.C-----DWfCms
00451 START
00452 (TERR= .00 hrs on 19680101)
00453 (MFOUR= 2 (1=imperial, 2=metric output))
00454 (NFORM= 0)
00455 (NIN= 1968)
00456 *****
00457 # SWINFO / SAVG DATA 71.42 1968.0113 103.67 n/a .000
00458 # Project Name : [Tamarack Richmond]
00459 # Date : [2025 JULY 23]
00460 # Modeler : [JFSaInc]
00461 # Company : [JFSa Canada Inc.]
00462 # License : [259237]
00463 # SUMMER CONDITIONS MODEL
00464 # Model developer: [simulate runoff from subcatchments under pre development conditions]
00465 # Model developer: [simulate runoff from subcatchments under pre development conditions]
00466 # Model developer: [simulate runoff from subcatchments under pre development conditions]
00467 # Model developer: [simulate runoff from subcatchments under pre development conditions]
00468 # Model developer: [simulate runoff from subcatchments under pre development conditions]
00469 # Model developer: [simulate runoff from subcatchments under pre development conditions]
00470 # Model developer: [simulate runoff from subcatchments under pre development conditions]
00471 # Octavia International Airport - 19 July 1967 to 01 Nov 2016
00472 R1968.C00021 -----DtmIn-ID:INHYD-----AREAhA-OPEARcKms-TPeakDate hh:mm-----RvMm-R.C-----DWfCms
00473 # READ AED DATA
00474 [Filename= YOW 1967-2016.txt ]
00475 [Start date= 1968-01-01; End date= 1968-12-31]
00476 [DTW= 60;min; Length= 8760;hrs; WetDays= 431; DryDays= 8347; PTDW= 592.80]
00477 # Maximum monthly rainfall intensities over
00478 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
00479 33.30 17.05 11.37 6.23 3.74 1.80 1.26 .95 .70 mm/hr
00480 33.30 34.10 44.90 44.90 45.40 45.40 50.20 mm
00481 19680817 19680817 19680817 19680817 19680817 19680818 19680818 19680819 19680820 date
00482 # Number of rainfall events per following interval time
00483 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
00484 137 105 93 84 72 43 36
00485 # Number of events with at least the following durations
00486 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
00487 136 104 92 83 71 42 35
00488 R1968.C00003 -----DtmIn-ID:INHYD-----AREAhA-OPEARcKms-TPeakDate hh:mm-----RvMm-R.C-----DWfCms
00489 COMPUTE AFD
00490 [AFIn= 40.00; AFDkty= 8000; AFDkdt= 9907]
00491 [AFImax= 49.22; AFDavg= 7.80; AFDmin= .00]
00492 *****
00493 # Fee-Development Conditions
00494 *****
00495 # EXT1
00496 *****
00497 # EXT1
00498 *****
00499 R1968.C00004 -----DtmIn-ID:INHYD-----AREAhA-OPEARcKms-TPeakDate hh:mm-----RvMm-R.C-----DWfCms
00500 CONTINUOUS NASHVD 5.0 01EXT2 7.62 .112 1968.0817 1145 117.02 197 .000
00501 [CN= 51.0; N= 3.00; Tpe= 1.75]
00502 [IARE=24.00; EMIN= 59.71; SMAX=65.12; SK= 100]
00503 [InterEventTime= 24.00]
00504 # EXT2
00505 *****
00506 # EXT2
00507 *****
00508 CONTINUOUS NASHVD 5.0 01EXT2 7.62 .112 1968.0817 1145 117.02 197 .000
00509 [CN= 51.0; N= 3.00; Tpe= .92]
00510 [IARE=24.00; EMIN= 59.42; SMAX=36.11; SK= 100]
00511 [InterEventTime= 24.00]
00512 # EXT3
00513 *****
00514 # EXT3
00515 *****
00516 CONTINUOUS NASHVD 5.0 01EXT3 17.96 .136 1968.0817 1230 111.28 .000
00517 [CN= 51.0; N= 3.00; Tpe= 1.68]
00518 [IARE=24.00; EMIN= 70.11; SMAX=467.39; SK= 100]
00519 [InterEventTime= 24.00]
00520 # EXT4
00521 *****
00522 # EXT4
00523 *****
00524 R1968.C00007 -----DtmIn-ID:INHYD-----AREAhA-OPEARcKms-TPeakDate hh:mm-----RvMm-R.C-----DWfCms
00525 CONTINUOUS NASHVD 5.0 01EXT4 1.64 .012 1968.0817 1120 99.28 167 .000
00526 [CN= 48.0; N= 3.00; Tpe= 4.31]
00527 [IARE=24.00; EMIN=109.74; SMAX=731.60; SK= 100]
00528 # EXT5
00529 *****
00530 # EXT5
00531 *****
00532 R1968.C00008 -----DtmIn-ID:INHYD-----AREAhA-OPEARcKms-TPeakDate hh:mm-----RvMm-R.C-----DWfCms
00533 CONTINUOUS NASHVD 5.0 01EXT5 1.55 .036 1968.0817 1120 107.27 181 .000
00534 [CN= 56.0; N= 3.00; Tpe= 4.41]
00535 [IARE=24.00; EMIN= 79.69; SMAX=531.24; SK= 100]
00536 # EXT6
00537 *****
00538 # EXT6
00539 *****
00540 R1968.C00009 -----DtmIn-ID:INHYD-----AREAhA-OPEARcKms-TPeakDate hh:mm-----RvMm-R.C-----DWfCms
00541 CONTINUOUS NASHVD 5.0 01EXT6 111.89 .816 1968.0817 1230 111.28 188 .000
00542 [CN= 59.0; N= 3.00; Tpe= 1.71]
00543 [IARE=24.00; EMIN= 70.11; SMAX=467.39; SK= 100]
00544 [InterEventTime= 24.00]
00545 # EXT7
00546 *****
00547 # EXT7
00548 *****
00549 CONTINUOUS NASHVD 5.0 01EXT7 119.79 .521 1968.0809 5145 103.67 n/a .000
00550 + 5.0 02186 60.46 .463 1967.0922 1155 96.52 n/a .000
00551 + 5.0 02189 25.58 .278 1967.0922 1155 106.16 n/a .000
00552 + 5.0 02187A 1.64 .009 1967.0921 23125 94.51 n/a .000
00553 SUM= 148.71 1.436 1967.0922 1115 101.70 n/a .000
00554 R1968.C00028 -----DtmIn-ID:INHYD-----AREAhA-OPEARcKms-TPeakDate hh:mm-----RvMm-R.C-----DWfCms
00555 ROUTE CHANNEL -> 5.0 02122 270.69 1.122 1968.0809 5135 105.88 n/a .000
00556 + (RDE= 5.0) out< 5.0 01882 270.69 1.122 1968.0809 5135 105.88 n/a .000
00557 (L/S= 471./ 221./035)
00558 (Vmax= 452./max)
00559 R1968.C00029 -----DtmIn-ID:INHYD-----AREAhA-OPEARcKms-TPeakDate hh:mm-----RvMm-R.C-----DWfCms
00560 CONTINUOUS NASHVD 5.0 01EXT7 7.62 .112 1968.0817 1145 117.02 197 .000
00561 [CN= 51.0; N= 3.00; Tpe= .92]
00562 [IARE=24.00; EMIN= 59.42; SMAX=36.11; SK= 100]
00563 [InterEventTime= 24.00]
00564 # EXT8
00565 *****
00566 # EXT8
00567 *****
00568 R1968.C00030 -----DtmIn-ID:INHYD-----AREAhA-OPEARcKms-TPeakDate hh:mm-----RvMm-R.C-----DWfCms
00569 CONTINUOUS NASHVD 5.0 01EXT8 321.65 1.342 1968.0809 5135 105.53 n/a .000
00570 + (RDE= 5.0) out< 5.0 01883 321.65 1.342 1968.0809 5135 105.53 n/a .000
00571 (L/S= 724./ 150./035)
00572 (Vmax= 309./max)
00573 R1968.C00031 -----DtmIn-ID:INHYD-----AREAhA-OPEARcKms-TPeakDate hh:mm-----RvMm-R.C-----DWfCms
00574 CONTINUOUS NASHVD 5.0 01EXT8 1.55 .036 1968.0817 1120 107.27 n/a .000
00575 + (RDE= 5.0) out< 5.0 01884 1.55 .036 1968.0817 1120 107.27 n/a .000
00576 (L/S= 691./ 720./035)
00577 (Vmax= 292./max)
00578 R1968.C00032 -----DtmIn-ID:INHYD-----AREAhA-OPEARcKms-TPeakDate hh:mm-----RvMm-R.C-----DWfCms
00579 CONTINUOUS NASHVD 5.0 01EXT8 321.65 1.342 1968.0809 5135 105.53 n/a .000
00580 + (RDE= 5.0) out< 5.0 01885 321.65 1.342 1968.0809 5135 105.53 n/a .000
00581 (L/S= 871./ 343./035)
00582 (Vmax= 555./max)
00583 R1968.C00033 -----DtmIn-ID:INHYD-----AREAhA-OPEARcKms-TPeakDate hh:mm-----RvMm-R.C-----DWfCms
00584 CONTINUOUS NASHVD 5.0 01EXT8 321.65 1.342 1968.0809 5135 105.53 n/a .000
00585 + (RDE= 5.0) out< 5.0 01886 321.65 1.342 1968.0809 5135 105.53 n/a .000
00586 (L/S= 871./ 343./035)
00587 (Vmax= 555./max)
00588 R1968.C00034 -----DtmIn-ID:INHYD-----AREAhA-OPEARcKms-TPeakDate hh:mm-----RvMm-R.C-----DWfCms
00589 CONTINUOUS NASHVD 5.0 01EXT8 321.65 1.342 1968.0809 5135 105.53 n/a .000
00590 + (RDE= 5.0) out< 5.0 01887 321.65 1.342 1968.0809 5135 105.53 n/a .000
00591 (L/S= 871./ 343./035)
00592 (Vmax= 555./max)
00593 R1968.C00035 -----DtmIn-ID:INHYD-----AREAhA-OPEARcKms-TPeakDate hh:mm-----RvMm-R.C-----DWfCms
00594 CONTINUOUS NASHVD 5.0 01EXT8 321.65 1.342 1968.0809 5135 105.53 n/a .000
00595 + (RDE= 5.0) out< 5.0 01888 321.65 1.342 1968.0809 5135 105.53 n/a .000
00596 (L/S= 871./ 343./035)
00597 (Vmax= 555./max)
00598 R1968.C00036 -----DtmIn-ID:INHYD-----AREAhA-OPEARcKms-TPeakDate hh:mm-----RvMm-R.C-----DWfCms
00599 CONTINUOUS NASHVD 5.0 01EXT8 321.65 1.342 1968.0809 5135 105.53 n/a .000
00600 + (RDE= 5.0) out< 5.0 01889 321.65 1.342 1968.0809 5135 105.53 n/a .000
00601 (L/S= 871./ 343./035)
00602 (Vmax= 555./max)
00603 R1968.C00037 -----DtmIn-ID:INHYD-----AREAhA-OPEARcKms-TPeakDate hh:mm-----RvMm-R.C-----DWfCms
00604 CONTINUOUS NASHVD 5.0 01EXT8 321.65 1.342 1968.0809 5135 105.53 n/a .000
00605 + (RDE= 5.0) out< 5.0 01890 321.65 1.342 1968.0809 5135 105.53 n/a .000
00606 (L/S= 871./ 343./035)
00607 (Vmax= 555./max)
00608 R1968.C00038 -----DtmIn-ID:INHYD-----AREAhA-OPEARcKms-TPeakDate hh:mm-----RvMm-R.C-----DWfCms
00609 CONTINUOUS NASHVD 5.0 01EXT8 321.65 1.342 1968.0809 5135 105.53 n/a .000
00610 + (RDE= 5.0) out< 5.0 01891 321.65 1.342 1968.0809 5135 105.53 n/a .000
00611 (L/S= 871./ 343./035)
00612 (Vmax= 555./max)
00613 R1968.C00039 -----DtmIn-ID:INHYD-----AREAhA-OPEARcKms-TPeakDate hh:mm-----RvMm-R.C-----DWfCms
00614 CONTINUOUS NASHVD 5.0 01EXT8 321.65 1.342 1968.0809 5135 105.53 n/a .000
00615 + (RDE= 5.0) out< 5.0 01892 321.65 1.342 1968.0809 5135 105.53 n/a .000
00616 (L/S= 871./ 343./035)
00617 (Vmax= 555./max)
00618 R1968.C00040 -----DtmIn-ID:INHYD-----AREAhA-OPEARcKms-TPeakDate hh:mm-----RvMm-R.C-----DWfCms
00619 CONTINUOUS NASHVD 5.0 01EXT8 321.65 1.342 1968.0809 5135 105.53 n/a .000
00620 + (RDE= 5.0) out< 5.0 01893 321.65 1.342 1968.0809 5135 105.53 n/a .000
00621 (L/S= 871./ 343./035)
00622 (Vmax= 555./max)
00623 R1968.C00041 -----DtmIn-ID:INHYD-----AREAhA-OPEARcKms-TPeakDate hh:mm-----RvMm-R.C-----DWfCms
00624 CONTINUOUS NASHVD 5.0 01EXT8 321.65 1.342 1968.0809 5135 105.53 n/a .000
00625 + (RDE= 5.0) out< 5.0 01894 321.65 1.342 1968.0809 5135 105.53 n/a .000
00626 (L/S= 871./ 343./035)
00627 (Vmax= 555./max)
00628 R1968.C00042 -----DtmIn-ID:INHYD-----AREAhA-OPEARcKms-TPeakDate hh:mm-----RvMm-R.C-----DWfCms
00629 CONTINUOUS NASHVD 5.0 01EXT8 321.65 1.342 1968.0809 5135 105.53 n/a .000
00630 + (RDE= 5.0) out< 5.0 01895 321.65 1.342 1968.0809 5135 105.53 n/a .000
00631 (L/S= 871./ 343./035)
00632 (Vmax= 555./max)
00633 R1968.C00043 -----DtmIn-ID:INHYD-----AREAhA-OPEARcKms-TPeakDate hh:mm-----RvMm-R.C-----DWfCms
00634 CONTINUOUS NASHVD 5.0 01EXT8 321.65 1.342 1968.0809 5135 105.53 n/a .000
00635 + (RDE= 5.0) out< 5.0 01896 321.65 1.342 1968.0809 5135 105.53 n/a .000
00636 (L/S= 871./ 343./035)
00637 (Vmax= 555./max)
00638 R1968.C00044 -----DtmIn-ID:INHYD-----AREAhA-OPEARcKms-TPeakDate hh:mm-----RvMm-R.C-----DWfCms
00639 CONTINUOUS NASHVD 5.0 01EXT8 321.65 1.342 1968.0809 5135 105.53 n/a .000
00640 + (RDE= 5.0) out< 5.0 01897 321.65 1.342 1968.0809 5135 105.53 n/a .000
00641 (L/S= 871./ 343./035)
00642 (Vmax= 555./max)
00643 R1968.C00045 -----DtmIn-ID:INHYD-----AREAhA-OPEARcKms-TPeakDate hh:mm-----RvMm-R.C-----DWfCms
00644 CONTINUOUS NASHVD 5.0 01EXT8 321.65 1.342 1968.0809 5135 105.53 n/a .000
00645 + (RDE= 5.0) out< 5.0 01898 321.65 1.342 1968.0809 5135 105.53 n/a .000
00646 (L/S= 871./ 343./035)
00647 (Vmax= 555./max)
00648 R1968.C00046 -----DtmIn-ID:INHYD-----AREAhA-OPEARcKms-TPeakDate hh:mm-----RvMm-R.C-----DWfCms
00649 CONTINUOUS NASHVD 5.0 01EXT8 321.65 1.342 1968.0809 5135 105.53 n/a .000
00650 + (RDE= 5.0) out< 5.0 01899 321.65 1.342 1968.0809 5135 105.53 n/a .000
00651 (L/S= 871./ 343./035)
00652 (Vmax= 555./max)
00653 R1968.C00047 -----DtmIn-ID:INHYD-----AREAhA-OPEARcKms-TPeakDate hh:mm-----RvMm-R.C-----DWfCms
00654 CONTINUOUS NASHVD 5.0 01EXT8 321.65 1.342 1968.0809 5135 105.53 n/a .000
00655 + (RDE= 5.0) out< 5.0 01900 321.65 1.342 1968.0809 5135 105.53 n/a .000
00656 (L/S= 871./ 343./035)
00657 (Vmax= 555./max)
00658 R1968.C00048 -----DtmIn-ID:INHYD-----AREAhA-OPEARcKms-TPeakDate hh:mm-----RvMm-R.C-----DWfCms
00659 CONTINUOUS NASHVD 5.0 01EXT8 321.65 1.342 1968.0809 5135 105.53 n/a .000
00660 + (RDE= 5.0) out< 5.0 01901 321.65 1.342 1968.0809 5135 105.53 n/a .000
00661 (L/S= 871./ 343./035)
00662 (Vmax= 555./max)
00663 R1968.C00049 -----DtmIn-ID:INHYD-----AREAhA-OPEARcKms-TPeakDate hh:mm-----RvMm-R.C-----DWfCms
00664 CONTINUOUS NASHVD 5.0 01EXT8 321.65 1.342 1968.0809 5135 105.53 n/a .000
00665 + (RDE= 5.0) out< 5.0 01902 321.65 1.342 1968.0809 5135 105.53 n/a .000
00666 (L/S= 871./ 343./035)
00667 (Vmax= 555./max)
00668 R1968.C00050 -----DtmIn-ID:INHYD-----AREAhA-OPEARcKms-TPeakDate hh:mm-----RvMm-R.C-----DWfCms
00669 CONTINUOUS NASHVD 5.0 01EXT8 321.65 1.342 1968.0809 5135 105.53 n/a .000
00670 + (RDE= 5.0) out< 5.0 01903 321.65 1.342 1968.0809 5135 105.53 n/a .000
00671 (L/S= 871./ 343./035)
00672 (Vmax= 555./max)
00673 R1968.C00051 -----DtmIn-ID:INHYD-----AREAhA-OPEARcKms-TPeakDate hh:mm-----RvMm-R.C-----DWfCms
00674 CONTINUOUS NASHVD 5.0 01EXT8 321.65 1.342 1968.0809 5135 105.53 n/a .000
00675 + (RDE= 5.0) out< 5.0 01904 321.65 1.342 1968.0809 5135 105.53 n/a .000
00676 (L/S= 871./ 343./035)
00677 (Vmax= 555./max)
00678 R1968.C00052 -----DtmIn-ID:INHYD-----AREAhA-OPEARcKms-TPeakDate hh:mm-----RvMm-R.C-----DWfCms
00679 CONTINUOUS NASHVD 5.0 01EXT8 321.65 1.342 1968.0809 5135 105.53 n/a .000
00680 + (RDE= 
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007211 ROUTE CHANNEL -> 5.0 02:EXT2 7.62 .112 1968.0817 11:45 117.02 n/a .000
007212 [RD75 5.00] outc- 5.0 02:EXT2 7.62 .075 1968.0817 12:25 117.02 n/a .000
007223 [L/S# = 651./ 258./035]
007243 [Vmax = 195./Dmax = 498]
007248 R1968-C00018-DHNYD-----AREA#A-OPERATORS-TpeakDate hh:mm-----Rvmm-R.C-----DWfms
007268 ROUTE CHANNEL -> 5.0 02:EXT3 17.96 .136 1968.0817 12:30 111.28 n/a .000
007270 [RD75 5.00] outc- 5.0 02:EXT3 17.96 .136 1968.0817 12:35 111.28 n/a .000
007277 [L/S# = 181./ 339./035]
007299 R1968-C00018-DHNYD-----AREA#A-OPERATORS-TpeakDate hh:mm-----Rvmm-R.C-----DWfms
007313 ADD HYD + 5.0 02:EXT7 7.62 .075 1968.0817 12:25 101.44 n/a .000
007320 + 5.0 02:EXT8 6.64 .132 1968.0817 12:20 99.28 n/a .000
007330 SUM# 5.0 01:210 25.58 .210 1968.0817 12:30 112.99 n/a .000
007343 R1968-C00018-DHNYD-----AREA#A-OPERATORS-TpeakDate hh:mm-----Rvmm-R.C-----DWfms
007358 ROUTE CHANNEL -> 5.0 01:210 25.58 .210 1968.0817 12:30 112.99 n/a .000
007366 [RD75 5.00] outc- 5.0 01:89 25.58 .207 1968.0817 12:35 112.99 n/a .000
007373 [L/S# = 166./ 414./035]
007389 [Vmax = 487./Dmax = 171]
007399 R1968-C00040-DHNYD-----AREA#A-OPERATORS-TpeakDate hh:mm-----Rvmm-R.C-----DWfms
007400 ADD HYD + 5.0 02:EXT6 60.46 .218 1968.0817 12:55 101.44 n/a .000
007413 + 5.0 02:EXT9 25.58 .207 1968.0817 12:35 112.99 n/a .000
007420 ROUTE CHANNEL -> 5.0 02:EXT4 1.55 .020 1968.0817 11:40 107.27 n/a .000
007430 + 5.0 02:EXT5 60.48 .640 1968.0817 12:00 111.28 n/a .000
007440 SUM# 5.0 01:212 148.71 1.076 1968.0817 12:20 107.48 n/a .000
007458 R1968-C00041-DHNYD-----AREA#A-OPERATORS-TpeakDate hh:mm-----Rvmm-R.C-----DWfms
007469 [L/S# = 182./ 100./035]
007480 frame : CATCHMENT.1968
007490 remark: Total Pre Dev Runoff From Site
007509 R1968-C00042-DHNYD-----AREA#A-OPERATORS-TpeakDate hh:mm-----Rvmm-R.C-----DWfms
007513 ADD HYD + 5.0 02:127 379.46 1.540 1968.0809 6:05 105.79 n/a .000
007520 CONTINUOUS NASHVD 5.0 01:184 50.86 .318 1968.0817 12:55 101.44 n/a .000
007530 + 5.0 02:189 25.58 .207 1968.0817 12:35 112.99 n/a .000
007540 + 5.0 02:RTK4 60.48 .640 1968.0817 12:00 111.28 n/a .000
007550 SUM# 5.0 01:211 60.48 .640 1968.0817 12:00 111.28 n/a .000
007565 R1968-C00043-DHNYD-----AREA#A-OPERATORS-TpeakDate hh:mm-----Rvmm-R.C-----DWfms
007578 ROUTE CHANNEL -> 5.0 02:111 526.62 2.229 1968.0809 5:15 106.27 n/a .000
007591 [RD75 5.00] outc- 5.0 01:810 526.62 2.218 1968.0809 5:25 106.27 n/a .000
007600 [L/S# = 308./ 100./035]
007619 [Vmax = 368./Dmax = 121]
007629 R1968-C00044-DHNYD-----AREA#A-OPERATORS-TpeakDate hh:mm-----Rvmm-R.C-----DWfms
007643 ADD HYD + 5.0 02:R10 526.62 2.218 1968.0809 5:25 106.27 n/a .000
007650 + 5.0 02:R8 25.62 .191 1968.0817 12:40 115.55 n/a .000
007660 ROUTE CHANNEL -> 5.0 02:R8 14.26 .651 1968.0817 11:55 147.34 n/a .000
007670 SUM# 5.0 01:212 566.50 2.481 1968.0809 5:15 107.72 n/a .000
007685 R1968-C00045-DHNYD-----AREA#A-OPERATORS-TpeakDate hh:mm-----Rvmm-R.C-----DWfms
007698 EROSION INDEX 5.0 01:212 566.50 .019 8765.50 148.50 1.70 12 23.06E-06
007700 [CC# = 175]
007719 R1968-C00045-DHNYD-----AREA#A-OPERATORS-TpeakDate hh:mm-----Rvmm-R.C-----DWfms
007730 [L/S# = 308./ 100./035]
007740 frame : J12.1968
007750 remark: J12 - DMK Erosion Mode M-3
007769 R1968-C00047-DHNYD-----AREA#A-OPERATORS-TpeakDate hh:mm-----Rvmm-R.C-----DWfms
007780 ROUTE CHANNEL -> 5.0 02:112 566.50 2.481 1968.0809 5:15 107.72 n/a .000
007790 [RD75 5.00] outc- 5.0 01:811 566.50 2.333 1968.0809 5:50 107.72 n/a .000
007800 [L/S# = 382./Dmax = 435]
007819 R1968-C00048-DHNYD-----AREA#A-OPERATORS-TpeakDate hh:mm-----Rvmm-R.C-----DWfms
007830 ADD HYD + 5.0 02:127 79.25 .627 1968.0817 13:30 129.84 n/a .000
007840 + 5.0 02:127 109.81 .851 1968.0817 13:10 133.47 n/a .000
007850 SUM# 5.0 01:213 129.03 1.229 1968.0817 13:40 129.84 n/a .000
007869 R1968-C00048-DHNYD-----AREA#A-OPERATORS-TpeakDate hh:mm-----Rvmm-R.C-----DWfms
007880 ROUTE CHANNEL -> 5.0 01:213 201.11 1.742 1968.0817 12:35 131.82 n/a .000
007890 [RD75 5.00] outc- 5.0 01:812 201.11 1.690 1968.0817 12:50 131.82 n/a .000
007900 [L/S# = 706./ 115./035]
007919 [Vmax = 633./Dmax = 854]
007929 R1968-C00050-DHNYD-----AREA#A-OPERATORS-TpeakDate hh:mm-----Rvmm-R.C-----DWfms
007940 ADD HYD + 5.0 02:125 171.81 .875 1968.0809 5:40 118.52 n/a .000
007950 + 5.0 02:122 438.81 3.063 1968.0817 12:55 126.86 n/a .000
007960 SUM# 5.0 01:214 438.81 3.063 1968.0817 12:55 126.86 n/a .000
007979 R1968-C00051-DHNYD-----AREA#A-OPERATORS-TpeakDate hh:mm-----Rvmm-R.C-----DWfms
007990 ROUTE CHANNEL -> 5.0 01:214 438.81 3.063 1968.0817 12:55 126.86 n/a .000
008000 [RD75 5.00] outc- 5.0 01:813 438.81 2.909 1968.0817 13:25 126.86 n/a .000
008010 [L/S# = 1025./ 100./035]
008029 [Vmax = 614./Dmax = 850]
008039 R1968-C00052-DHNYD-----AREA#A-OPERATORS-TpeakDate hh:mm-----Rvmm-R.C-----DWfms
008050 ADD HYD + 5.0 02:127 68.50 .474 1968.0817 13:30 133.46 n/a .000
008060 + 5.0 02:127 47.26 .410 1968.0817 13:30 141.52 n/a .000
008070 SUM# 5.0 02:127 115.76 .884 1968.0817 13:30 137.57 n/a .000
008080 R1968-C00053-DHNYD-----AREA#A-OPERATORS-TpeakDate hh:mm-----Rvmm-R.C-----DWfms
008090 ROUTE CHANNEL -> 5.0 01:215 181.27 6.224 1968.0809 5:35 119.57 n/a .000
008100 [RD75 5.00] outc- 5.0 01:814 181.27 6.156 1968.0809 5:45 119.57 n/a .000
008110 [L/S# = 556./ 100./035]
008129 [Vmax = 457./Dmax = 108]
008139 R1968-C00054-DHNYD-----AREA#A-OPERATORS-TpeakDate hh:mm-----Rvmm-R.C-----DWfms
008150 ADD HYD + 5.0 02:R10 24.24 .188 1968.0817 11:55 135.23 n/a .000
008160 + 5.0 02:R14 181.27 6.156 1968.0809 5:45 119.57 n/a .000
008170 SUM# 5.0 01:007 1205.51 6.282 1968.0809 5:40 119.89 n/a .000
008180 [L/S# = 1025./ 100./035]
008190 ** END OF RUN : 1968
008200
008210
008220
008230
008240
008250 RUN COMMANDS
008260 R1968-C0001
008270 START
008280 [TZERO = .00 hrs on 19690101]
008290 [MFOOT = 2 (Imperial, 2=metric output)]
008300 [MFOOT = ]
008310 [INUN = 1969]
008320
008330 # SWHYND / INPUT DATA FILE
008340 # *****
008350 # Project Name : [Tamarack Richmond]
008360 # Project Number: [P2001(001)]
008370 # Date : [02/13]
008380 # Modeller : [DM and OS]
008390 # Company : [JPSA Canada Inc.]
008400 # License #: [25492]
008410 # *****
008420 # SUMMER CONDITIONS WINTER
008430 # Model developed to simulate runoff from subcatchments under pre development conditions
008440 # *****
008450 # *****
008460 # *****
008470 # Ottawa International Airport - 19 July 1967 to 01 Nov 2011
008480 R1969-C00002
008490 # READ ARE DATA
008500 [Filename = YOM 1967-2016.txt ]
008510 [Start date= 1969-01-01; End date= 1969-12-31]
008520 [CFE 60.0; Length= 9760.72; Metric= 469; DryRun= 8291; PFOOT= 569.80]
008530 Maximum average rainfall intensities over
008540 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
008550 21.10 16.25 10.83 7.78 3.99 2.10 1.40 1.09 75 mm/hr
008560 21.10 32.50 32.50 46.70 47.20 30.30 50.30 52.10 54.00 mm
008570 1969019 1969019 1969019 1969019 1969019 1969019 1969019 1969020 date
008580 Number of rainfall events per following interval time
008590 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
008600 157 139 92 172 58 32 19 12
008610 Number of events with at least the following durations
008620 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
008630 156 84 58 21 5 0 0 0 4
008640 R1969-C00003
008650 COMMENTS
008660 [APIIn= 40.00; APIKey= 8000; APIdate= 9907]
008670 [APITime= 51.27; APIUser= 7.51; APIName= .00]
008680 # *****
008690 # Pre-Development Conditions
008700 # *****
008710 [RD75 5.00] outc- 5.0 01:R1 111.89 .664 1969.0819 9:15 102.38 n/a .000
008720 [L/S# = 281./ 105./035]
008730 [Vmax = 311./Dmax = 425]
008740 R1969-C00004-DHNYD-----AREA#A-OPERATORS-TpeakDate hh:mm-----Rvmm-R.C-----DWfms
008750 CONTINUOUS NASHVD 5.0 01:EXT1 60.46 .379 1969.0819 9:15 92.37 162 .000
008760 [CN# 61.0; N# 3.00; Tpe 1.64]
008770 [L/S# = 281./ 105./035]
008780 [RD75 5.00] outc- 5.0 01:R1 111.89 .664 1969.0819 9:15 102.38 n/a .000
008790 [L/S# = 693./ 720./035]
008800 # EXT1
008810 # EXT2
008820 # EXT3
008830 R1969-C00005-DHNYD-----AREA#A-OPERATORS-TpeakDate hh:mm-----Rvmm-R.C-----DWfms
008840 CONTINUOUS NASHVD 5.0 01:EXT2 7.62 .100 1969.0819 8:35 108.09 190 .000
008850 [CN# 61.0; N# 3.00; Tpe 1.64]
008860 [RD75 5.00] outc- 5.0 01:R1 111.89 .664 1969.0819 9:15 102.38 n/a .000
008870 [L/S# = 693./ 720./035]
008880 # EXT4
008890 # EXT5
008900 R1969-C00006-DHNYD-----AREA#A-OPERATORS-TpeakDate hh:mm-----Rvmm-R.C-----DWfms
008910 CONTINUOUS NASHVD 5.0 01:EXT1 17.96 .136 1969.0819 9:10 102.39 180 .000
008920 [CN# 59.0; N# 3.00; Tpe 1.64]
008930 [RD75 5.00] outc- 5.0 01:R1 111.89 .664 1969.0819 9:15 102.38 n/a .000
008940 [L/S# = 734./ 100./035]
008950 [Vmax = 311./Dmax = 425]
008960 R1969-C00007-DHNYD-----AREA#A-OPERATORS-TpeakDate hh:mm-----Rvmm-R.C-----DWfms
008970 CONTINUOUS NASHVD 5.0 01:EXT1 17.96 .136 1969.0819 9:10 102.39 180 .000
008980 [CN# 59.0; N# 3.00; Tpe 1.64]
008990 [RD75 5.00] outc- 5.0 01:R1 111.89 .664 1969.0819 9:15 102.38 n/a .000
009000 [L/S# = 734./ 100./035]
009010 [Vmax = 311./Dmax = 425]
009020 R1969-C00008-DHNYD-----AREA#A-OPERATORS-TpeakDate hh:mm-----Rvmm-R.C-----DWfms
009030 CONTINUOUS NASHVD 5.0 01:EXT1 17.96 .136 1969.0819 9:10 102.39 180 .000
009040 [CN# 59.0; N# 3.00; Tpe 1.64]
009050 [RD75 5.00] outc- 5.0 01:R1 111.89 .664 1969.0819 9:15 102.38 n/a .000
009060 [L/S# = 734./ 100./035]
009070 [Vmax = 311./Dmax = 425]
009080 R1969-C00009-DHNYD-----AREA#A-OPERATORS-TpeakDate hh:mm-----Rvmm-R.C-----DWfms
009090 CONTINUOUS NASHVD 5.0 01:EXT1 17.96 .136 1969.0819 9:10 102.39 180 .000
009100 [CN# 59.0; N# 3.00; Tpe 1.64]
009110 [RD75 5.00] outc- 5.0 01:R1 111.89 .664 1969.0819 9:15 102.38 n/a .000
009120 [L/S# = 734./ 100./035]
009130 [Vmax = 311./Dmax = 425]
009140 R1969-C00010-DHNYD-----AREA#A-OPERATORS-TpeakDate hh:mm-----Rvmm-R.C-----DWfms
009150 CONTINUOUS NASHVD 5.0 01:EXT1 17.96 .136 1969.0819 9:10 102.39 180 .000
009160 [CN# 59.0; N# 3.00; Tpe 1.64]
009170 [RD75 5.00] outc- 5.0 01:R1 111.89 .664 1969.0819 9:15 102.38 n/a .000
009180 [L/S# = 734./ 100./035]
009190 [Vmax = 311./Dmax = 425]
009200 R1969-C00011-DHNYD-----AREA#A-OPERATORS-TpeakDate hh:mm-----Rvmm-R.C-----DWfms
009210 CONTINUOUS NASHVD 5.0 01:EXT1 17.96 .136 1969.0819 9:10 102.39 180 .000
009220 [CN# 59.0; N# 3.00; Tpe 1.64]
009230 [RD75 5.00] outc- 5.0 01:R1 111.89 .664 1969.0819 9:15 102.38 n/a .000
009240 [L/S# = 734./ 100./035]
009250 [Vmax = 311./Dmax = 425]
009260 R1969-C00012-DHNYD-----AREA#A-OPERATORS-TpeakDate hh:mm-----Rvmm-R.C-----DWfms
009270 CONTINUOUS NASHVD 5.0 01:EXT1 17.96 .136 1969.0819 9:10 102.39 180 .000
009280 [CN# 59.0; N# 3.00; Tpe 1.64]
009290 [RD75 5.00] outc- 5.0 01:R1 111.89 .664 1969.0819 9:15 102.38 n/a .000
009300 [L/S# = 734./ 100./035]
009310 [Vmax = 311./Dmax = 425]
009320 R1969-C00013-DHNYD-----AREA#A-OPERATORS-TpeakDate hh:mm-----Rvmm-R.C-----DWfms
009330 CONTINUOUS NASHVD 5.0 01:EXT1 17.96 .136 1969.0819 9:10 102.39 180 .000
009340 [CN# 59.0; N# 3.00; Tpe 1.64]
009350 [RD75 5.00] outc- 5.0 01:R1 111.89 .664 1969.0819 9:15 102.38 n/a .000
009360 [L/S# = 734./ 100./035]
009370 [Vmax = 311./Dmax = 425]
009380 R1969-C00014-DHNYD-----AREA#A-OPERATORS-TpeakDate hh:mm-----Rvmm-R.C-----DWfms
009390 CONTINUOUS NASHVD 5.0 01:EXT1 17.96 .136 1969.0819 9:10 102.39 180 .000
009400 [CN# 59.0; N# 3.00; Tpe 1.64]
009410 [RD75 5.00] outc- 5.0 01:R1 111.89 .664 1969.0819 9:15 102.38 n/a .000
009420 [L/S# = 734./ 100./035]
009430 [Vmax = 311./Dmax = 425]
009440 R1969-C00015-DHNYD-----AREA#A-OPERATORS-TpeakDate hh:mm-----Rvmm-R.C-----DWfms
009450 CONTINUOUS NASHVD 5.0 01:EXT1 17.96 .136 1969.0819 9:10 102.39 180 .000
009460 [CN# 59.0; N# 3.00; Tpe 1.64]
009470 [RD75 5.00] outc- 5.0 01:R1 111.89 .664 1969.0819 9:15 102.38 n/a .000
009480 [L/S# = 734./ 100./035]
009490 [Vmax = 311./Dmax = 425]
009500 R1969-C00016-DHNYD-----AREA#A-OPERATORS-TpeakDate hh:mm-----Rvmm-R.C-----DWfms
009510 CONTINUOUS NASHVD 5.0 01:EXT1 17.96 .136 1969.0819 9:10 102.39 180 .000
009520 [CN# 59.0; N# 3.00; Tpe 1.64]
009530 [RD75 5.00] outc- 5.0 01:R1 111.89 .664 1969.0819 9:15 102.38 n/a .000
009540 [L/S# = 734./ 100./035]
009550 [Vmax = 311./Dmax = 425]
009560 R1969-C00017-DHNYD-----AREA#A-OPERATORS-TpeakDate hh:mm-----Rvmm-R.C-----DWfms
009570 CONTINUOUS NASHVD 5.0 01:EXT1 17.96 .136 1969.0819 9:10 102.39 180 .000
009580 [CN# 59.0; N# 3.00; Tpe 1.64]
009590 [RD75 5.00] outc- 5.0 01:R1 111.89 .664 1969.0819 9:15 102.38 n/a .000
009600 [L/S# = 734./ 100./035]
009610 [Vmax = 311./Dmax = 425]
009620 R1969-C00018-DHNYD-----AREA#A-OPERATORS-TpeakDate hh:mm-----Rvmm-R.C-----DWfms
009630 CONTINUOUS NASHVD 5.0 01:EXT1 17.96 .136 1969.0819 9:10 102.39 180 .000
009640 [CN# 59.0; N# 3.00; Tpe 1.64]
009650 [RD75 5.00] outc- 5.0 01:R1 111.89 .664 1969.0819 9:15 102.38 n/a .000
009660 [L/S# = 734./ 100./035]
009670 [Vmax = 311./Dmax = 425]
009680 R1969-C00019-DHNYD-----AREA#A-OPERATORS-TpeakDate hh:mm-----Rvmm-R.C-----DWfms
009690 CONTINUOUS NASHVD 5.0 01:EXT1 17.96 .136 1969.0819 9:10 102.39 180 .000
009700 [CN# 59.0; N# 3.00; Tpe 1.64]
009710 [RD75 5.00] outc- 5.0 01:R1 111.89 .664 1969.0819 9:15 102.38 n/a .000
009720 [L/S# = 734./ 100./035]
009730 [Vmax = 311./Dmax = 425]
009740 R1969-C00020-DHNYD-----AREA#A-OPERATORS-TpeakDate hh:mm-----Rvmm-R.C-----DWfms
009750 CONTINUOUS NASHVD 5.0 01:EXT1 17.96 .136 1969.0819 9:10 102.39 180 .000
009760 [CN# 59.0; N# 3.00; Tpe 1.64]
009770 [RD75 5.00] outc- 5.0 01:R1 111.89 .664 1969.0819 9:15 102.38 n/a .000
009780 [L/S# = 734./ 100./035]
009790 [Vmax = 311./Dmax = 425]
009800 R1969-C00021-DHNYD-----AREA#A-OPERATORS-TpeakDate hh:mm-----Rvmm-R.C-----DWfms
009810 CONTINUOUS NASHVD 5.0 01:EXT1 17.96 .136 1969.0819 9:10 102.39 180 .000
009820 [CN# 59.0; N# 3.00; Tpe 1.64]
009830 [RD75 5.00] outc- 5.0 01:R1 111.89 .664 1969.0819 9:15 102.38 n/a .000
009840 [L/S# = 734./ 100./035]
009850 [Vmax = 311./Dmax = 425]
009860 R1969-C00022-DHNYD-----AREA#A-OPERATORS-TpeakDate hh:mm-----Rvmm-R.C-----DWfms
009870 CONTINUOUS NASHVD 5.0 01:EXT1 17.96 .136 1969.0819 9:10 102.39 180 .000
009880 [CN# 59.0; N# 3.00; Tpe 1.64]
009890 [RD75 5.00] outc- 5.0 01:R1 111.89 .664 1969.0819 9:15 102.38 n/a .000
009900 [L/S# = 734./ 100./035]
009910 [Vmax = 311./Dmax = 425]
009920 R1969-C00023-DHNYD-----AREA#A-OPERATORS-TpeakDate hh:mm-----Rvmm-R.C-----DWfms
009930 CONTINUOUS NASHVD 5.0 01:EXT1 17.96 .136 1969.0819 9:10 102.39 180 .000
009940 [CN# 59.0; N# 3.00; Tpe 1.64]
009950 [RD75 5.00] outc- 5.0 01:R1 111.89 .664 1969.0819 9:15 102.38 n/a .000
009960 [L/S# = 734./ 100./035]
009970 [Vmax = 311./Dmax = 425]
009980 R1969-C00024-DHNYD-----AREA#A-OPERATORS-TpeakDate hh:mm-----Rvmm-R.C-----DWfms
009990 CONTINUOUS NASHVD 5.0 01:EXT1 17.96 .136 1969.0819 9:10 102.39 180 .000

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01081 + 5.0 02185 56.26 .365 1969.0819 9:30 98.47 n/a .000
01082 SIM 5.0 01174 379.46 2.004 1969.0819 10:05 96.85 n/a .000
01083 R1969-C00033 -----DtmIn-ID:INVD-----AREAh-QFEARcMs-TPeakDate h:hm:-----RvM-R-C-----DMFms
01084 ROUTE CHANNEL -> 5.0 02174 379.46 2.004 1969.0819 10:05 96.85 n/a .000
01085 * [RDE=5.0] out< 5.0 01185 379.46 1.981 1969.0819 10:25 96.85 n/a .000
01086 [L/S= 664./157./035]
01087 [Vmax= 191.Dmax= .991]
01088 R1969-C00034 -----DtmIn-ID:INVD-----AREAh-QFEARcMs-TPeakDate h:hm:-----RvM-R-C-----DMFms
01089 ADD HYD 5.0 02185 379.46 1.981 1969.0819 10:25 96.85 n/a .000
01090 SIM 5.0 01177 379.46 1.981 1969.0819 10:25 96.85 n/a .000
01091 R1969-C00035 -----DtmIn-ID:INVD-----AREAh-QFEARcMs-TPeakDate h:hm:-----RvM-R-C-----DMFms
01092 ROUTE CHANNEL -> 5.0 02185 379.46 1.981 1969.0819 10:25 96.85 n/a .000
01093 * [RDE=5.0] out< 5.0 01186 60.46 .367 1969.0819 9:35 92.37 n/a .000
01094 [L/S= 871./347./035]
01095 [Vmax= 574.Dmax= .991]
01096 R1969-C00036 -----DtmIn-ID:INVD-----AREAh-QFEARcMs-TPeakDate h:hm:-----RvM-R-C-----DMFms
01097 ROUTE CHANNEL -> 5.0 02187 17.96 .144 1969.0819 9:10 102.39 n/a .000
01098 * [RDE=5.0] out< 5.0 01187 7.62 .075 1969.0819 9:05 108.09 n/a .000
01099 [L/S= 651./259./035]
01100 [Vmax= 397.Dmax= .991]
01101 R1969-C00037 -----DtmIn-ID:INVD-----AREAh-QFEARcMs-TPeakDate h:hm:-----RvM-R-C-----DMFms
01102 ROUTE CHANNEL -> 5.0 02187 17.96 .144 1969.0819 9:10 102.39 n/a .000
01103 * [RDE=5.0] out< 5.0 01188 17.96 .143 1969.0819 9:15 102.39 n/a .000
01104 [L/S= 181./339./035]
01105 [Vmax= 471.Dmax= .991]
01106 R1969-C00038 -----DtmIn-ID:INVD-----AREAh-QFEARcMs-TPeakDate h:hm:-----RvM-R-C-----DMFms
01107 ADD HYD 5.0 02188 17.96 .143 1969.0819 9:15 102.39 n/a .000
01108 + 5.0 02188 17.96 .143 1969.0819 9:15 102.39 n/a .000
01109 SIM 5.0 01210 25.58 .218 1969.0819 9:10 104.08 n/a .000
01110 R1969-C00039 -----DtmIn-ID:INVD-----AREAh-QFEARcMs-TPeakDate h:hm:-----RvM-R-C-----DMFms
01111 ROUTE CHANNEL -> 5.0 02110 25.58 .218 1969.0819 9:10 104.08 n/a .000
01112 * [RDE=5.0] out< 5.0 01189 25.58 .215 1969.0819 9:10 104.08 n/a .000
01113 [L/S= 364./414./035]
01114 [Vmax= 494.Dmax= .991]
01115 R1969-C00040 -----DtmIn-ID:INVD-----AREAh-QFEARcMs-TPeakDate h:hm:-----RvM-R-C-----DMFms
01116 ADD HYD 5.0 02186 60.46 .367 1969.0819 9:35 92.37 n/a .000
01117 + 5.0 02186 60.46 .367 1969.0819 9:35 92.37 n/a .000
01118 + 5.0 02187A 1.64 .010 1969.0819 8:10 90.06 n/a .000
01119 + 5.0 02187A 1.64 .010 1969.0819 8:10 90.06 n/a .000
01120 + 5.0 02187B 1.64 .010 1969.0819 8:10 90.06 n/a .000
01121 + 5.0 02187C 1.64 .010 1969.0819 8:10 90.06 n/a .000
01122 + 5.0 02187D 1.64 .010 1969.0819 8:10 90.06 n/a .000
01123 + 5.0 02187E 1.64 .010 1969.0819 8:10 90.06 n/a .000
01124 + 5.0 02187F 1.64 .010 1969.0819 8:10 90.06 n/a .000
01125 + 5.0 02187G 1.64 .010 1969.0819 8:10 90.06 n/a .000
01126 + 5.0 02187H 1.64 .010 1969.0819 8:10 90.06 n/a .000
01127 + 5.0 02187I 1.64 .010 1969.0819 8:10 90.06 n/a .000
01128 + 5.0 02187J 1.64 .010 1969.0819 8:10 90.06 n/a .000
01129 + 5.0 02187K 1.64 .010 1969.0819 8:10 90.06 n/a .000
01130 + 5.0 02187L 1.64 .010 1969.0819 8:10 90.06 n/a .000
01131 + 5.0 02187M 1.64 .010 1969.0819 8:10 90.06 n/a .000
01132 + 5.0 02187N 1.64 .010 1969.0819 8:10 90.06 n/a .000
01133 R1969-C00043 -----DtmIn-ID:INVD-----AREAh-QFEARcMs-TPeakDate h:hm:-----RvM-R-C-----DMFms
01134 ROUTE CHANNEL -> 5.0 02111 526.62 2.865 1969.0819 9:35 97.32 n/a .000
01135 * [RDE=5.0] out< 5.0 01110 526.62 2.849 1969.0819 9:45 97.31 n/a .000
01136 [L/S= 308./107./035]
01137 [Vmax= 397.Dmax= .991]
01138 R1969-C00044 -----DtmIn-ID:INVD-----AREAh-QFEARcMs-TPeakDate h:hm:-----RvM-R-C-----DMFms
01139 ADD HYD 5.0 02112 526.62 2.849 1969.0819 9:45 97.31 n/a .000
01140 + 5.0 02112 526.62 .205 1969.0819 9:15 106.63 n/a .000
01141 + 5.0 02118 14.26 .229 1969.0819 4:50 137.77 n/a .000
01142 + 5.0 02118 14.26 .229 1969.0819 4:50 137.77 n/a .000
01143 R1969-C00045 -----DtmIn-ID:INVD-----AREAh-QFEARcMs-TPeakDate h:hm:-----RvM-R-C-----DMFms
01144 ROUTE CHANNEL -> 5.0 02112 526.62 2.865 1969.0819 9:35 97.32 n/a .000
01145 [L/S= 308./107./035]
01146 [Vmax= 397.Dmax= .991]
01147 R1969-C00046 -----DtmIn-ID:INVD-----AREAh-QFEARcMs-TPeakDate h:hm:-----RvM-R-C-----DMFms
01148 ADD HYD 5.0 02112 526.62 3.181 1969.0819 9:40 98.75 n/a .000
01149 + 5.0 02112 526.62 3.181 1969.0819 9:40 98.75 n/a .000
01150 R1969-C00047 -----DtmIn-ID:INVD-----AREAh-QFEARcMs-TPeakDate h:hm:-----RvM-R-C-----DMFms
01151 ROUTE CHANNEL -> 5.0 02112 526.62 3.181 1969.0819 9:40 98.75 n/a .000
01152 * [RDE=5.0] out< 5.0 01111 526.62 3.016 1969.0819 10:05 98.75 n/a .000
01153 [L/S= 1182./100./035]
01154 [Vmax= 420.Dmax= .991]
01155 R1969-C00048 -----DtmIn-ID:INVD-----AREAh-QFEARcMs-TPeakDate h:hm:-----RvM-R-C-----DMFms
01156 ADD HYD 5.0 02121 79.25 .796 1969.0819 9:10 120.74 n/a .000
01157 + 5.0 02121 79.25 .796 1969.0819 9:10 120.74 n/a .000
01158 + 5.0 02123 12.05 .196 1969.0819 4:35 120.74 n/a .000
01159 SIM 5.0 01213 201.11 1.861 1969.0819 9:10 122.63 n/a .000
01160 R1969-C00049 -----DtmIn-ID:INVD-----AREAh-QFEARcMs-TPeakDate h:hm:-----RvM-R-C-----DMFms
01161 ROUTE CHANNEL -> 5.0 02113 201.11 1.861 1969.0819 9:10 122.63 n/a .000
01162 * [RDE=5.0] out< 5.0 01112 201.11 1.820 1969.0819 9:15 122.63 n/a .000
01163 [L/S= 706./116./035]
01164 [Vmax= 645.Dmax= .981]
01165 R1969-C00050 -----DtmIn-ID:INVD-----AREAh-QFEARcMs-TPeakDate h:hm:-----RvM-R-C-----DMFms
01166 ADD HYD 5.0 02174 65.89 .657 1969.0819 9:15 124.20 n/a .000
01167 + 5.0 02174 65.89 .657 1969.0819 9:15 124.20 n/a .000
01168 + 5.0 02182 20.11 1.820 1969.0819 9:25 122.63 n/a .000
01169 + 5.0 02182 20.11 1.820 1969.0819 9:25 122.63 n/a .000
01170 R1969-C00051 -----DtmIn-ID:INVD-----AREAh-QFEARcMs-TPeakDate h:hm:-----RvM-R-C-----DMFms
01171 ROUTE CHANNEL -> 5.0 02114 438.81 3.535 1969.0819 9:25 117.75 n/a .000
01172 * [RDE=5.0] out< 5.0 01113 438.81 3.136 1969.0819 11:15 117.75 n/a .000
01173 [L/S= 1015./100./035]
01174 [Vmax= 373.Dmax= 1.080]
01175 R1969-C00052 -----DtmIn-ID:INVD-----AREAh-QFEARcMs-TPeakDate h:hm:-----RvM-R-C-----DMFms
01176 ADD HYD 5.0 02176 60.20 .515 1969.0819 9:50 135.69 n/a .000
01177 + 5.0 02176 60.20 .515 1969.0819 9:50 135.69 n/a .000
01178 + 5.0 02187 47.26 .441 1969.0819 9:30 131.68 n/a .000
01179 + 5.0 02187 47.26 .441 1969.0819 9:30 131.68 n/a .000
01180 + 5.0 02181 566.50 3.016 1969.0819 10:05 98.75 n/a .000
01181 + 5.0 02181 566.50 3.136 1969.0819 11:15 117.75 n/a .000
01182 R1969-C00053 -----DtmIn-ID:INVD-----AREAh-QFEARcMs-TPeakDate h:hm:-----RvM-R-C-----DMFms
01183 ROUTE CHANNEL -> 5.0 02115 1181.27 7.787 1969.0819 9:55 110.48 n/a .000
01184 * [RDE=5.0] out< 5.0 01114 1181.27 7.690 1969.0819 10:10 110.48 n/a .000
01185 [L/S= 536./100./035]
01186 [Vmax= 498.Dmax= .677]
01187 R1969-C00054 -----DtmIn-ID:INVD-----AREAh-QFEARcMs-TPeakDate h:hm:-----RvM-R-C-----DMFms
01188 ADD HYD 5.0 02189 24.24 .339 1969.0819 4:50 125.98 n/a .000
01189 + 5.0 02184 1181.27 7.690 1969.0819 10:10 110.48 n/a .000
01190 SIM 5.0 01187 1005.31 7.643 1969.0819 9:55 110.40 n/a .000
01191 *****
01192 *****
01193 ** END OF RUN : 1969
01194 *****
01195 *****
01196 *****
01197 *****
01198 *****
01199 *****
01200 *****
02001 RUN COMMANDS
02002 METCOTE 2 (Impervial, Metric output)
02003 [METCOTE 0 ]
02004 [MIND 0 ]
02005 *****
02006 *****
02007 *****
02008 *****
02009 *****
02010 *****
02011 # Project Name : [Tamarack Richmond]
02012 # Project Number : [2001-0011]
02013 # Date : [2025 July 23]
02014 # Modeler : [MA and GS]
02015 # Company : [JFS Canada Inc.]
02016 # License # : [254923]
02017 *****
02018 *****
02019 *****
02020 *****
02021 *****
02022 *****
02023 # Ottawa International Airport - 19 July 1967 to 01 Nov 2016
02024 R1970-C00002 -----DtmIn-ID:INVD-----AREAh-QFEARcMs-TPeakDate h:hm:-----RvM-R-C-----DMFms
02025 READ ASB DATA
02026 [Filename= YOW 1967-2016.txt ]
02027 [Start date= 1970.0101; End date= 1970.1231 ]
02028 [DT= 60.min; Length= 8760.hrs; WetHrs= 9731; DryHrs= 8387; PFD= 558.90 ]
02029 Maximum average rainfall intensities over
02030 3 hrs 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
02031 35.20 18.30 12.20 6.10 3.63 1.81 1.21 1.46 .99 mm/hr
02032 35.20 36.60 36.60 36.60 42.50 42.50 42.50 65.90 71.20 mm
02033 19700927 19700927 19700927 19700927 19700818 19700818 19700927 19700928 date
02034 Number of rainfall events per following interval time
02035 3 hrs 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
02036 1.48 12.7 1.09 8.4 7.2 6.0 5.4 4.1 3.0
02037 Number of events with at least the following durations
02038 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
02039 14.7 7.9 4.0 1.5 3 0 0 0 0
02040 R1970-C00003 -----DtmIn-ID:INVD-----AREAh-QFEARcMs-TPeakDate h:hm:-----RvM-R-C-----DMFms
02041 COMPUTE API
02042 [APIIn= 40.00; APIkdy= 8000; APIkdx= 9907]
02043 [APIfmax= 61.70; APIfavg= 7.38; APIfmin= .00]
02044 *****
02045 # Pre-Development Conditions
02046 # [RDE=5.0] out< 5.0 02181 111.89 .971 1970.0927 4:30 102.60 n/a .000
02047 [RDE=5.0] out< 5.0 02182 111.89 .603 1970.0927 5:50 102.60 n/a .000
02048 [L/S= 2381./105./035]
02049 [Vmax= 316.Dmax= 443]
02050 R1970-C00004 -----DtmIn-ID:INVD-----AREAh-QFEARcMs-TPeakDate h:hm:-----RvM-R-C-----DMFms
02051 ADD HYD 5.0 02181 111.89 .603 1970.0927 5:50 102.60 n/a .000
02052 + 5.0 02176 60.20 .515 1969.0819 9:50 135.69 n/a .000
02053 + 5.0 02183 39.07 .234 1970.0927 4:30 80.00 n/a .000
02054 + 5.0 02183 39.07 .234 1970.0927 4:30 80.00 n/a .000
02055 R1970-C00005 -----DtmIn-ID:INVD-----AREAh-QFEARcMs-TPeakDate h:hm:-----RvM-R-C-----DMFms
02056 ROUTE CHANNEL -> 5.0 02122 270.69 1.265 1970.0927 5:40 97.83 n/a .000
02057 * [RDE=5.0] out< 5.0 02182 270.69 1.256 1970.0927 5:40 97.83 n/a .000
02058 [L/S= 471./221./035]
02059 [Vmax= 470.Dmax= 166]
02060 R1970-C00006 -----DtmIn-ID:INVD-----AREAh-QFEARcMs-TPeakDate h:hm:-----RvM-R-C-----DMFms

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014413 ADD HYD + 5.0 02182 270.69 1.256 1970.0927 5150 97.83 n/a .000
014423 + 5.0 02184 50.86 1.258 1970.0927 4145 99.24 n/a .000
014433 SUM= 5.0 01:23 321.65 1.531 1970.0927 5135 97.53 n/a .000
014443 R1970:C00010 -----DtmIn-ID:INHVD-----AREAhA-OPeARcMs-TpAkDate hh:mm-----RvMm-R-C-----DMFms
014453 ROUTE CHANNEL -> 5.0 01:181 321.65 1.531 1970.0927 5135 97.53 n/a .000
014463 * [RD7= 5.00] outc= 5.0 01:183 321.65 1.452 1970.0927 6110 97.53 n/a .000
014473 [L/S= 694. / 1577.035]
014483 [Vmax= .323;Dmax= .301]
014493 R1970:C00011 -----DtmIn-ID:INHVD-----AREAhA-OPeARcMs-TpAkDate hh:mm-----RvMm-R-C-----DMFms
014503 ROUTE CHANNEL -> 5.0 01:184 1.55 .023 1970.0927 3135 99.19 n/a .000
014513 * [RD7= 5.00] outc= 5.0 01:184 1.55 .023 1970.0927 3135 99.19 n/a .000
014523 [L/S= 693. / 1707.035]
014533 [Vmax= .295;Dmax= .094]
014543 R1970:C00012 -----DtmIn-ID:INHVD-----AREAhA-OPeARcMs-TpAkDate hh:mm-----RvMm-R-C-----DMFms
014553 ADD HYD + 5.0 02185 379.46 1.728 1970.0927 6115 97.78 n/a .000
014563 + 5.0 02183 321.65 1.452 1970.0927 6110 97.53 n/a .000
014573 SUM= 5.0 01:24 379.46 1.758 1970.0927 5155 97.78 n/a .000
014583 R1970:C00013 -----DtmIn-ID:INHVD-----AREAhA-OPeARcMs-TpAkDate hh:mm-----RvMm-R-C-----DMFms
014593 ROUTE CHANNEL -> 5.0 01:185 379.46 1.728 1970.0927 6115 97.78 n/a .000
014603 * [RD7= 5.00] outc= 5.0 01:185 379.46 1.724 1970.0927 6115 97.78 n/a .000
014613 [L/S= 694. / 1577.035]
014623 [Vmax= .464;Dmax= .381]
014633 R1970:C00014 -----DtmIn-ID:INHVD-----AREAhA-OPeARcMs-TpAkDate hh:mm-----RvMm-R-C-----DMFms
014643 ADD HYD + 5.0 02186 379.46 1.728 1970.0927 6115 97.78 n/a .000
014653 + 5.0 02184 321.65 1.452 1970.0927 6110 97.53 n/a .000
014663 SUM= 5.0 01:27 379.46 1.724 1970.0927 6115 97.78 n/a .000
014673 R1970:C00015 -----DtmIn-ID:INHVD-----AREAhA-OPeARcMs-TpAkDate hh:mm-----RvMm-R-C-----DMFms
014683 ROUTE CHANNEL -> 5.0 02187 60.46 .402 1970.0927 4135 93.88 n/a .000
014693 * [RD7= 5.00] outc= 5.0 01:186 60.46 .385 1970.0927 4155 93.88 n/a .000
014703 [L/S= 911. / 3417.035]
014713 [Vmax= .585;Dmax= .296]
014723 R1970:C00016 -----DtmIn-ID:INHVD-----AREAhA-OPeARcMs-TpAkDate hh:mm-----RvMm-R-C-----DMFms
014733 ROUTE CHANNEL -> 5.0 02187 7.62 .127 1970.0927 3140 107.44 n/a .000
014743 * [RD7= 5.00] outc= 5.0 01:187 7.62 .089 1970.0927 4120 107.44 n/a .000
014753 [L/S= 611. / 2593.035]
014763 [Vmax= .193;Dmax= .105]
014773 R1970:C00017 -----DtmIn-ID:INHVD-----AREAhA-OPeARcMs-TpAkDate hh:mm-----RvMm-R-C-----DMFms
014783 ROUTE CHANNEL -> 5.0 02187 17.96 .162 1970.0927 4125 102.60 n/a .000
014793 * [RD7= 5.00] outc= 5.0 01:188 17.96 .161 1970.0927 4130 102.60 n/a .000
014803 [L/S= 611. / 3391.035]
014813 [Vmax= .430;Dmax= .220]
014823 R1970:C00018 -----DtmIn-ID:INHVD-----AREAhA-OPeARcMs-TpAkDate hh:mm-----RvMm-R-C-----DMFms
014833 ADD HYD + 5.0 02189 7.62 .089 1970.0927 4120 107.44 n/a .000
014843 + 5.0 02186 17.96 .161 1970.0927 4130 102.60 n/a .000
014853 SUM= 5.0 01:10 250.1970.0927 4135 104.04 n/a .000
014863 R1970:C00019 -----DtmIn-ID:INHVD-----AREAhA-OPeARcMs-TpAkDate hh:mm-----RvMm-R-C-----DMFms
014873 ROUTE CHANNEL -> 5.0 01:189 25.58 .247 1970.0927 4135 104.04 n/a .000
014883 * [RD7= 5.00] outc= 5.0 01:189 25.58 .247 1970.0927 4135 104.04 n/a .000
014893 [L/S= 366. / 4147.035]
014903 [Vmax= .514;Dmax= .314]
014913 R1970:C00020 -----DtmIn-ID:INHVD-----AREAhA-OPeARcMs-TpAkDate hh:mm-----RvMm-R-C-----DMFms
014923 ADD HYD + 5.0 02189 25.58 .247 1970.0927 4135 104.04 n/a .000
014933 + 5.0 02187 60.46 .013 1970.0927 3135 91.91 n/a .000
014943 + 5.0 02184 1.55 .023 1970.0927 4135 99.19 n/a .000
014953 + 5.0 02185 60.48 .742 1970.0927 4100 102.60 n/a .000
014963 + 5.0 02186 25.58 .250 1970.0927 4125 104.04 n/a .000
014973 + 5.0 02187 60.48 .742 1970.0927 4100 102.60 n/a .000
014983 R1970:C00021 -----DtmIn-ID:INHVD-----AREAhA-OPeARcMs-TpAkDate hh:mm-----RvMm-R-C-----DMFms
014993 SAVE HYD + 5.0 01:CATCATCHMENT 148.71 1.287 1970.0927 4120 99.22 n/a .000
015000 frame :CATCHMENT 1970
015010 remark:Total Pre Dev Runoff From Site
015020 R1970:C00022 -----DtmIn-ID:INHVD-----AREAhA-OPeARcMs-TpAkDate hh:mm-----RvMm-R-C-----DMFms
015033 ADD HYD + 5.0 02127 379.46 1.724 1970.0927 6115 97.78 n/a .000
015043 + 5.0 02186 60.46 .385 1970.0927 4155 93.88 n/a .000
015053 + 5.0 02187 25.58 .247 1970.0927 4135 104.04 n/a .000
015063 + 5.0 02184 60.48 .013 1970.0927 3135 91.91 n/a .000
015073 + 5.0 02185 60.48 .742 1970.0927 4100 102.60 n/a .000
015083 SUM= 5.0 01:211 526.62 2.437 1970.0927 5125 98.19 n/a .000
015093 R1970:C00023 -----DtmIn-ID:INHVD-----AREAhA-OPeARcMs-TpAkDate hh:mm-----RvMm-R-C-----DMFms
015103 ROUTE CHANNEL -> 5.0 01:1810 526.62 2.437 1970.0927 5135 98.19 n/a .000
015113 * [RD7= 5.00] outc= 5.0 01:1810 526.62 2.421 1970.0927 5135 98.19 n/a .000
015123 [L/S= 381. / 3391.035]
015133 [Vmax= .381;Dmax= .339]
015143 R1970:C00024 -----DtmIn-ID:INHVD-----AREAhA-OPeARcMs-TpAkDate hh:mm-----RvMm-R-C-----DMFms
015153 ADD HYD + 5.0 02186 25.58 .226 1970.0927 4140 106.20 n/a .000
015163 + 5.0 02188 14.26 .259 1970.0927 4155 132.26 n/a .000
015173 + 5.0 02187 25.58 .226 1970.0927 4140 106.20 n/a .000
015183 SUM= 5.0 01:212 566.50 2.725 1970.0927 5120 99.43 n/a .000
015193 R1970:C00025 -----DtmIn-ID:INHVD-----AREAhA-OPeARcMs-TpAkDate hh:mm-----RvMm-R-C-----DMFms
015203 BROOK INDEX 566.50 2.725 1970.0927 5120 99.43 n/a .000
015213 [CCE= .175]
015223 R1970:C00026 -----DtmIn-ID:INHVD-----AREAhA-OPeARcMs-TpAkDate hh:mm-----RvMm-R-C-----DMFms
015233 SAVE HYD + 5.0 01:212 566.50 2.725 1970.0927 5120 99.43 n/a .000
015243 frame :112.1970
015253 remark:112 OK Erosion Mode MC-3
015263 R1970:C00027 -----DtmIn-ID:INHVD-----AREAhA-OPeARcMs-TpAkDate hh:mm-----RvMm-R-C-----DMFms
015273 ROUTE CHANNEL -> 5.0 01:1811 566.50 2.725 1970.0927 5120 99.43 n/a .000
015283 * [RD7= 5.00] outc= 5.0 01:1811 566.50 2.482 1970.0927 6105 99.43 n/a .000
015293 [L/S= 1182. / 1107.035]
015303 [Vmax= .384;Dmax= .384]
015313 R1970:C00028 -----DtmIn-ID:INHVD-----AREAhA-OPeARcMs-TpAkDate hh:mm-----RvMm-R-C-----DMFms
015323 ADD HYD + 5.0 02127 109.81 1.001 1970.0927 5105 121.44 n/a .000
015333 + 5.0 02127 12.05 .257 1970.0927 3140 118.38 n/a .000
015343 + 5.0 01:114 438.81 3.619 1970.0927 4155 115.81 n/a .000
015353 SUM= 5.0 01:213 201.11 2.041 1970.0927 4135 120.05 n/a .000
015363 R1970:C00029 -----DtmIn-ID:INHVD-----AREAhA-OPeARcMs-TpAkDate hh:mm-----RvMm-R-C-----DMFms
015373 ROUTE CHANNEL -> 5.0 01:1812 201.11 2.041 1970.0927 4135 120.05 n/a .000
015383 * [RD7= 5.00] outc= 5.0 01:1812 201.11 1.985 1970.0927 4150 120.05 n/a .000
015393 [L/S= 706. / 1167.035]
015403 [Vmax= .660;Dmax= .584]
015413 R1970:C00030 -----DtmIn-ID:INHVD-----AREAhA-OPeARcMs-TpAkDate hh:mm-----RvMm-R-C-----DMFms
015423 ADD HYD + 5.0 02185 60.20 .394 1970.0927 4125 121.44 n/a .000
015433 + 5.0 02182 171.81 .984 1970.0927 5150 108.70 n/a .000
015443 + 5.0 02181 201.11 1.985 1970.0927 4150 120.05 n/a .000
015453 SUM= 5.0 01:114 438.81 3.619 1970.0927 4155 115.81 n/a .000
015463 R1970:C00031 -----DtmIn-ID:INHVD-----AREAhA-OPeARcMs-TpAkDate hh:mm-----RvMm-R-C-----DMFms
015473 ROUTE CHANNEL -> 5.0 01:1813 438.81 3.619 1970.0927 4155 115.81 n/a .000
015483 * [RD7= 5.00] outc= 5.0 01:1813 438.81 3.332 1970.0927 5130 115.81 n/a .000
015493 [L/S= 1013. / 1107.035]
015503 [Vmax= .372;Dmax= 1.086]
015513 R1970:C00032 -----DtmIn-ID:INHVD-----AREAhA-OPeARcMs-TpAkDate hh:mm-----RvMm-R-C-----DMFms
015523 ADD HYD + 5.0 02127 68.50 .559 1970.0927 5125 121.44 n/a .000
015533 + 5.0 02187 47.26 .478 1970.0927 5105 127.97 n/a .000
015543 + 5.0 01:111 566.50 2.482 1970.0927 6105 99.43 n/a .000
015553 SUM= 5.0 02:113 438.81 3.332 1970.0927 5130 115.81 n/a .000
015563 + 5.0 02:113 438.81 3.332 1970.0927 5130 115.81 n/a .000
015573 + 5.0 02:113 438.81 3.332 1970.0927 5130 115.81 n/a .000
015583 R1970:C00033 -----DtmIn-ID:INHVD-----AREAhA-OPeARcMs-TpAkDate hh:mm-----RvMm-R-C-----DMFms
015593 ROUTE CHANNEL -> 5.0 02:115 1181.27 7.246 1970.0927 5140 109.57 n/a .000
015603 * [RD7= 5.00] outc= 5.0 01:1814 1181.27 7.104 1970.0927 5155 109.57 n/a .000
015613 [L/S= 556. / 1107.035]
015623 [Vmax= .486;Dmax= .384]
015633 R1970:C00034 -----DtmIn-ID:INHVD-----AREAhA-OPeARcMs-TpAkDate hh:mm-----RvMm-R-C-----DMFms
015643 ADD HYD + 5.0 02189 24.24 .440 1970.0927 3155 123.02 n/a .000
015653 + 5.0 02186 1181.27 7.104 1970.0927 5155 109.57 n/a .000
015663 SUM= 5.0 01:0107 1205.51 7.219 1970.0927 5145 109.84 n/a .000
015673 [L/S= 308. / 1107.035]
015683 =====
015693 ** END OF RUN : 1970
015703
015713
015723
015733
015743
015753
015763
015773 RUN:COMMANDS
015783 R1971:C00001
015793 START
015803 # TPER= 5.00 hrs on 19701011
015813 # METOUT= 2 (Imperial, 2metric output)
015823 # (INFO= 0 )
015833 # (RUN = 1971 )
015843
015853 # SUMMARY / INPUT DATA FILE
015863 # =====
015873 # Project Name : [Tmax= 19701011]
015883 # Project Number: [P2001 (ed1)]
015893 # Date : [2025 July 23]
015903 # Modeler : [ME and GUY INC.]
015913 # Company : [JPSA Canada Inc.]
015923 # License # : [250207]
015933 # =====
015943 # SUMMER CONDITIONS MODE
015953 # Model developed to simulate runoff from subcatchments under pre development conditions
015963 # =====
015973 # =====
015983 # =====
015993 # Ottawa International Airport - 19 July 1967 to 01 Nov 2016
016003 R1971:C00002
016013 # READ AEB DATA
016023 # [Filename= YOM 1967-2016.txt ]
016033 # [Start date= 1971.0101; End date= 1971.1231]
016043 # [DTP= 60.min; Length= #160.RT; Wetness= #12; Dryness= #348; PTO= 522.10]
016053 # Maximum average rainfall rates (mm/h)
016063 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
016073 24.60 36.60 46.60 61.6 76.6 91.6 106.6 121.6 136.6
016083 24.60 33.20 35.00 36.80 37.10 37.40 38.00 38.00 38.90 mm/hr
016093 19710810 19710810 19710810 19710810 19710810 19710810 19710811 19710812 19710830 date
016103 # Number of rainfall events per following interevent time
016113 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
016123 156 123 93 52 42 33
016133 # Number of events with at least the following durations
016143 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
016153 155 81 54 2 0 0 0 0 0
016163 R1971:C00003
016173 COMMENTS
016183 # [Afin= 40.00; APkdy= 8000; APkdx= 9907]
016193 # [Afinax= 43.51; APfay= 6.93; APfim= .00]
016203 =====

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02161 # 76
02162 *****
02163 R1972C00024-----DtmIn-ID:HVND-----AREAhA--OPEARcMs--TpeakDate hHim-----RvM-R-C-----DWfCms
02164 CONTINUOUS NASHVD 5.0 01276 60.20 836 1972.0808 8125 262.22 294 .000
02165 [Cm 7: 0.0; Tpe 2.63]
02166 [IARc=24.00; EMIH=31.15; SMAX=207.66; SR= 100]
02167 [InterEventTime= 24.00]
02168 *****
02169 # 77
02170 *****
02171 R1972C00025-----DtmIn-ID:HVND-----AREAhA--OPEARcMs--TpeakDate hHim-----RvM-R-C-----DWfCms
02172 CONTINUOUS NASHVD 5.0 01283 68.50 928 1972.0808 7145 246.90 315 .000
02173 [Cm 72.0; H= 3.00; Tpe 2.63]
02174 [IARc=24.00; EMIH= 39.75; SMAX=264.99; SR= 100]
02175 [InterEventTime= 24.00]
02176 *****
02177 R1972C00026-----DtmIn-ID:HVND-----AREAhA--OPEARcMs--TpeakDate hHim-----RvM-R-C-----DWfCms
02178 ROUTE CHANNEL -> 5.0 02181 111.89 1.565 1972.0808 615 217.75 n/a .000
02179 [RD7= 5.00] out<- 5.0 02181 111.89 1.112 1972.0808 8130 217.74 n/a .000
02180 [I/S= 181 / 107 / 035]
02181 [Vmax = 349; Dmax= 124]
02182 *****
02183 R1972C00027-----DtmIn-ID:HVND-----AREAhA--OPEARcMs--TpeakDate hHim-----RvM-R-C-----DWfCms
02184 ADD HYD + 5.0 02181 111.89 1.112 1972.0808 8130 217.74 n/a .000
02185 + 5.0 02182 119.77 982 1972.0808 8155 208.04 n/a .000
02186 + 5.0 02183 39.07 391 1972.0808 615 198.59 n/a .000
02187 SUM= 5.0 02172 270.69 2.384 1972.0808 8130 210.68 n/a .000
02188 *****
02189 R1972C00028-----DtmIn-ID:HVND-----AREAhA--OPEARcMs--TpeakDate hHim-----RvM-R-C-----DWfCms
02190 ROUTE CHANNEL -> 5.0 02122 270.69 2.384 1972.0808 8130 210.68 n/a .000
02191 [RD7= 5.00] out<- 5.0 02182 270.69 2.379 1972.0808 8140 210.68 n/a .000
02192 [I/S= 178 / 117 / 035]
02193 [Vmax = 563; Dmax= 476]
02194 *****
02195 R1972C00029-----DtmIn-ID:HVND-----AREAhA--OPEARcMs--TpeakDate hHim-----RvM-R-C-----DWfCms
02196 ADD HYD + 5.0 02182 270.69 2.379 1972.0808 8140 210.68 n/a .000
02197 + 5.0 02184 50.96 548 1972.0808 635 208.04 n/a .000
02198 SUM= 5.0 02183 321.65 2.846 1972.0808 8130 210.68 n/a .000
02199 *****
02200 R1972C00030-----DtmIn-ID:HVND-----AREAhA--OPEARcMs--TpeakDate hHim-----RvM-R-C-----DWfCms
02201 ROUTE CHANNEL -> 5.0 01183 321.65 2.823 1972.0808 8145 210.26 n/a .000
02202 [RD7= 5.00] out<- 5.0 01183 321.65 2.823 1972.0808 8145 210.26 n/a .000
02203 [I/S= 734 / 107 / 035]
02204 *****
02205 R1972C00031-----DtmIn-ID:HVND-----AREAhA--OPEARcMs--TpeakDate hHim-----RvM-R-C-----DWfCms
02206 ROUTE CHANNEL -> 5.0 01184 1.55 036 1972.0808 5125 212.79 n/a .000
02207 [RD7= 5.00] out<- 5.0 01184 1.55 036 1972.0808 5125 212.79 n/a .000
02208 [I/S= 493 / 720 / 035]
02209 *****
02210 R1972C00032-----DtmIn-ID:HVND-----AREAhA--OPEARcMs--TpeakDate hHim-----RvM-R-C-----DWfCms
02211 ADD HYD + 5.0 02183 321.65 2.823 1972.0808 8145 210.26 n/a .000
02212 + 5.0 02185 56.26 623 1972.0808 650 212.79 n/a .000
02213 SUM= 5.0 02183 379.46 3.389 1972.0808 8130 210.65 n/a .000
02214 *****
02215 R1972C00033-----DtmIn-ID:HVND-----AREAhA--OPEARcMs--TpeakDate hHim-----RvM-R-C-----DWfCms
02216 ROUTE CHANNEL -> 5.0 01185 379.46 3.375 1972.0808 8145 210.65 n/a .000
02217 [RD7= 5.00] out<- 5.0 01185 379.46 3.375 1972.0808 8145 210.65 n/a .000
02218 [I/S= 664 / 157 / 035]
02219 *****
02220 R1972C00034-----DtmIn-ID:HVND-----AREAhA--OPEARcMs--TpeakDate hHim-----RvM-R-C-----DWfCms
02221 ADD HYD + 5.0 02183 321.65 2.823 1972.0808 8145 210.26 n/a .000
02222 + 5.0 02185 56.26 623 1972.0808 650 212.79 n/a .000
02223 SUM= 5.0 02183 379.46 3.375 1972.0808 8145 210.65 n/a .000
02224 *****
02225 R1972C00035-----DtmIn-ID:HVND-----AREAhA--OPEARcMs--TpeakDate hHim-----RvM-R-C-----DWfCms
02226 ROUTE CHANNEL -> 5.0 01186 60.46 652 1972.0808 640 204.56 n/a .000
02227 [RD7= 5.00] out<- 5.0 01186 60.46 652 1972.0808 640 204.56 n/a .000
02228 [I/S= 971 / 343 / 035]
02229 [Vmax = 696; Dmax= 382]
02230 *****
02231 R1972C00036-----DtmIn-ID:HVND-----AREAhA--OPEARcMs--TpeakDate hHim-----RvM-R-C-----DWfCms
02232 ROUTE CHANNEL -> 5.0 01187 7.62 137 1972.0808 605 224.65 n/a .000
02233 [RD7= 5.00] out<- 5.0 01187 7.62 137 1972.0808 605 224.65 n/a .000
02234 [I/S= 651 / 238 / 035]
02235 [Vmax = 204; Dmax= 121]
02236 *****
02237 R1972C00037-----DtmIn-ID:HVND-----AREAhA--OPEARcMs--TpeakDate hHim-----RvM-R-C-----DWfCms
02238 ROUTE CHANNEL -> 5.0 01188 17.96 259 1972.0808 615 217.75 n/a .000
02239 [RD7= 5.00] out<- 5.0 01188 17.96 259 1972.0808 615 217.75 n/a .000
02240 [I/S= 181 / 107 / 035]
02241 [Vmax = 488; Dmax= 267]
02242 *****
02243 R1972C00038-----DtmIn-ID:HVND-----AREAhA--OPEARcMs--TpeakDate hHim-----RvM-R-C-----DWfCms
02244 Add HYD + 5.0 02188 17.96 259 1972.0808 615 217.75 n/a .000
02245 + 5.0 02189 25.58 296 1972.0808 610 219.80 n/a .000
02246 SUM= 5.0 02188 43.54 555 1972.0808 610 219.80 n/a .000
02247 *****
02248 R1972C00039-----DtmIn-ID:HVND-----AREAhA--OPEARcMs--TpeakDate hHim-----RvM-R-C-----DWfCms
02249 ROUTE CHANNEL -> 5.0 02110 25.58 396 1972.0808 610 219.80 n/a .000
02250 [RD7= 5.00] out<- 5.0 02110 25.58 396 1972.0808 610 219.80 n/a .000
02251 [I/S= 366 / 414 / 035]
02252 [Vmax = 602; Dmax= 382]
02253 *****
02254 R1972C00040-----DtmIn-ID:HVND-----AREAhA--OPEARcMs--TpeakDate hHim-----RvM-R-C-----DWfCms
02255 ADD HYD + 5.0 02186 60.46 652 1972.0808 640 204.56 n/a .000
02256 + 5.0 02189 25.58 296 1972.0808 610 219.80 n/a .000
02257 SUM= 5.0 02186 86.04 948 1972.0808 640 204.56 n/a .000
02258 + 5.0 02187A 1.64 017 1972.0808 510 201.54 n/a .000
02259 + 5.0 02187B 1.55 036 1972.0808 5125 212.79 n/a .000
02260 + 5.0 02187C 60.48 1158 1972.0808 540 217.75 n/a .000
02261 + 5.0 02187E 60.48 1158 1972.0808 540 217.75 n/a .000
02262 SUM= 5.0 02186 148.71 2.094 1972.0808 600 212.62 n/a .000
02263 *****
02264 R1972C00041-----DtmIn-ID:HVND-----AREAhA--OPEARcMs--TpeakDate hHim-----RvM-R-C-----DWfCms
02265 ROUTE CHANNEL -> 5.0 01189 526.62 4.735 1972.0808 8120 211.20 n/a .000
02266 [RD7= 5.00] out<- 5.0 01189 526.62 4.728 1972.0808 8125 211.20 n/a .000
02267 [I/S= 308 / 107 / 035]
02268 [Vmax = 463; Dmax= 382]
02269 *****
02270 R1972C00042-----DtmIn-ID:HVND-----AREAhA--OPEARcMs--TpeakDate hHim-----RvM-R-C-----DWfCms
02271 ADD HYD + 5.0 02186 60.46 652 1972.0808 640 204.56 n/a .000
02272 + 5.0 02189 25.58 296 1972.0808 610 219.80 n/a .000
02273 SUM= 5.0 02186 86.04 948 1972.0808 640 204.56 n/a .000
02274 + 5.0 02187A 1.64 017 1972.0808 510 201.54 n/a .000
02275 + 5.0 02187B 1.55 036 1972.0808 5125 212.79 n/a .000
02276 + 5.0 02187C 60.48 1158 1972.0808 540 217.75 n/a .000
02277 + 5.0 02187E 60.48 1158 1972.0808 540 217.75 n/a .000
02278 SUM= 5.0 02186 148.71 2.094 1972.0808 600 212.62 n/a .000
02279 *****
02280 R1972C00043-----DtmIn-ID:HVND-----AREAhA--OPEARcMs--TpeakDate hHim-----RvM-R-C-----DWfCms
02281 ROUTE CHANNEL -> 5.0 01122 566.50 5.191 1972.0808 8120 213.08 n/a .000
02282 [RD7= 5.00] out<- 5.0 01122 566.50 5.191 1972.0808 8120 213.08 n/a .000
02283 [I/S= 1182 / 107 / 035]
02284 [Vmax = 490; Dmax= 1144]
02285 *****
02286 R1972C00044-----DtmIn-ID:HVND-----AREAhA--OPEARcMs--TpeakDate hHim-----RvM-R-C-----DWfCms
02287 ADD HYD + 5.0 02171 79.25 1.481 1972.0808 610 242.11 n/a .000
02288 + 5.0 02172 119.81 1.608 1972.0808 7105 246.80 n/a .000
02289 + 5.0 02173 12.05 366 1972.0808 5125 242.11 n/a .000
02290 SUM= 5.0 02171 211.11 3.186 1972.0808 610 244.72 n/a .000
02291 *****
02292 R1972C00045-----DtmIn-ID:HVND-----AREAhA--OPEARcMs--TpeakDate hHim-----RvM-R-C-----DWfCms
02293 ROUTE CHANNEL -> 5.0 02113 201.11 3.186 1972.0808 610 244.72 n/a .000
02294 [RD7= 5.00] out<- 5.0 02113 201.11 3.186 1972.0808 610 244.72 n/a .000
02295 [I/S= 706 / 116 / 035]
02296 [Vmax = 739; Dmax= 1144]
02297 *****
02298 R1972C00050-----DtmIn-ID:HVND-----AREAhA--OPEARcMs--TpeakDate hHim-----RvM-R-C-----DWfCms
02299 ADD HYD + 5.0 02174 65.89 1.205 1972.0808 615 246.90 n/a .000
02300 + 5.0 02175 171.81 1.824 1972.0808 8145 246.80 n/a .000
02301 + 5.0 02176 201.11 3.132 1972.0808 635 244.72 n/a .000
02302 SUM= 5.0 02174 438.81 5.796 1972.0808 610 237.96 n/a .000
02303 *****
02304 R1972C00052-----DtmIn-ID:HVND-----AREAhA--OPEARcMs--TpeakDate hHim-----RvM-R-C-----DWfCms
02305 ADD HYD + 5.0 02176 60.20 836 1972.0808 8125 262.22 n/a .000
02306 + 5.0 02177 68.50 928 1972.0808 7145 246.90 n/a .000
02307 + 5.0 02178 47.26 752 1972.0808 7100 256.97 n/a .000
02308 + 5.0 02179 566.50 5.106 1972.0808 8140 213.08 n/a .000
02309 + 5.0 02183 438.81 5.423 1972.0808 810 237.96 n/a .000
02310 SUM= 5.0 02175 1181.27 12.947 1972.0808 8120 228.54 n/a .000
02311 *****
02312 R1972C00053-----DtmIn-ID:HVND-----AREAhA--OPEARcMs--TpeakDate hHim-----RvM-R-C-----DWfCms
02313 ROUTE CHANNEL -> 5.0 02115 1181.27 12.947 1972.0808 8120 228.54 n/a .000
02314 [RD7= 5.00] out<- 5.0 02114 1181.27 12.916 1972.0808 8130 228.54 n/a .000
02315 [I/S= 556 / 107 / 035]
02316 [Vmax = 600; Dmax= 420]
02317 *****
02318 R1972C00054-----DtmIn-ID:HVND-----AREAhA--OPEARcMs--TpeakDate hHim-----RvM-R-C-----DWfCms
02319 ADD HYD + 5.0 02189 24.24 644 1972.0808 540 249.34 n/a .000
02320 + 5.0 02184 1181.27 12.916 1972.0808 8130 228.54 n/a .000
02321 SUM= 5.0 02189 1205.51 13.187 1972.0808 8130 228.96 n/a .000
02322 *****
02323 R1972C00055-----DtmIn-ID:HVND-----AREAhA--OPEARcMs--TpeakDate hHim-----RvM-R-C-----DWfCms
02324 CONTINUOUS NASHVD 5.0 01123 12.05 315 1972.0808 2135 179.03 239 .000
02325 [Cm 70.0; H= 3.00; Tpe 1.64]
02326 [IARc=24.00; EMIH= 43.07; SMAX=287.10; SR= 100]
02327 [InterEventTime= 24.00]
02328 *****
02329 # Project Name : [Toronto Richmond]
02330 # Project Number : [PMAR01.e011]

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02341 # Date : [2025 JULY 23]
02342 # Modeler : [JFSa Inc.]
02343 # Company : [JFSa Canada Inc.]
02344 # License # : [2249237]
02345 *****
02346 # SUMMER CONDITIONS MODEL
02347 # Model developer to simulate runoff from subcatchments under pre development conditions
02348 *****
02349 *****
02350 *****
02351 # Ottawa International Airport - 19 July 1967 to 01 Nov 2016
02352 R1973C00001-----DtmIn-ID:HVND-----AREAhA--OPEARcMs--TpeakDate hHim-----RvM-R-C-----DWfCms
02353 READ AER DATA
02354 [Filename = YOW_1967-2016.txt]
02355 [Start date= 1973.01.01; End date= 1973.12.31]
02356 [D7= 60.0; min; Length= 8760; hrs; WetHrs= 554; DryHrs= 8206; PTO7= 750.00]
02357 *****
02358 # Maximum average rainfall intensities over
02359 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
02360 30.00 17.25 12.30 10.10 8.63 7.89 7.28 .96 .96 mm/hr
02361 30.00 18.20 13.00 10.50 9.00 8.40 7.80 7.20 6.60 mm/hr
02362 *****
02363 # Number of rainfall events following interevent time
02364 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
02365 201 164 145 108 79 61 54 43 37
02366 *****
02367 # Number of events with at least the following durations
02368 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
02369 201 164 145 108 79 61 54 43 37
02370 *****
02371 # COMPUTE API
02372 [APIIn= 40.00; APIkdy= 8000; APIkrm= 9907]
02373 [APIMax= 57.24; APIAvg= 9.71; APImin= .00]
02374 *****
02375 *****
02376 *****
02377 *****
02378 *****
02379 *****
02380 *****
02381 *****
02382 *****
02383 *****
02384 *****
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02513 *****
02514 *****
02515 *****
02516 *****
02517 *****
02518 *****
02519 *****
02520 *****

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02521 # 74
02522 *****
02523 R1973:CO0022-----DtmIn-ID:HYD-----AREAh-QFEARcm-TpeakDate h:hm:-----RvM-R-C-----DWfms
CONTINUOUS NASHVD 5.0 01:74 65.89 1.010 1973.0809 3125 183.83 245 .000
[CN: 72.0; N: 3.00; Tm: 2.63]
02524 *****
02525 [IAREC=24.00; SMIN: 39.75; SMAX=264.99; SR: 100]
InterEventTime: 24.00
02526 *****
02527 *****
02528 *****
02529 # 75
02530 *****
02531 R1973:CO0023-----DtmIn-ID:HYD-----AREAh-QFEARcm-TpeakDate h:hm:-----RvM-R-C-----DWfms
CONTINUOUS NASHVD 5.0 01:75 171.81 1.300 1973.0809 4140 163.34 218 .000
[CN: 64.0; N: 3.00; Tm: 3.07]
02532 *****
02533 [IAREC=24.00; SMIN: 39.75; SMAX=380.32; SR: 100]
InterEventTime: 24.00
02534 *****
02535 *****
02536 # 76
02537 *****
02538 *****
02539 R1973:CO0024-----DtmIn-ID:HYD-----AREAh-QFEARcm-TpeakDate h:hm:-----RvM-R-C-----DWfms
CONTINUOUS NASHVD 5.0 01:76 60.27 1.499 1973.0809 4335 159.31 246 .000
[CN: 77.0; N: 3.00; Tm: 2.98]
02540 *****
02541 [IAREC=24.00; SMIN: 31.15; SMAX=207.66; SR: 100]
InterEventTime: 24.00
02542 *****
02543 *****
02544 # 77
02545 *****
02546 *****
02547 R1973:CO0025-----DtmIn-ID:HYD-----AREAh-QFEARcm-TpeakDate h:hm:-----RvM-R-C-----DWfms
CONTINUOUS NASHVD 5.0 01:77 68.50 1.729 1973.0809 4115 183.83 245 .000
[CN: 72.0; N: 3.00; Tm: 2.63]
02548 *****
02549 [IAREC=24.00; SMIN: 39.75; SMAX=264.99; SR: 100]
InterEventTime: 24.00
02550 *****
02551 *****
02552 *****
02553 R1973:CO0026-----DtmIn-ID:HYD-----AREAh-QFEARcm-TpeakDate h:hm:-----RvM-R-C-----DWfms
ROUTE CHANNEL -> 5.0 02:01 111.89 1.275 1973.0809 3125 153.53 n/a .000
[RDY: 5.00 out; 5.0 01:81 111.89 1.790 1973.0809 4455 153.53 n/a .000]
(L/S= 2381. / 100 / 035]
(Vmax: .332; Dmax= .400)
02554 *****
02555 *****
02556 *****
02557 *****
02558 R1973:CO0027-----DtmIn-ID:HYD-----AREAh-QFEARcm-TpeakDate h:hm:-----RvM-R-C-----DWfms
ADD HYD + 5.0 02:01 111.89 1.790 1973.0809 4455 153.53 n/a .000
+ 5.0 02:02 119.73 1.465 1973.0809 3125 142.53 n/a .000
+ 5.0 02:03 39.07 2.041 1973.0809 3125 142.53 n/a .000
SUM: 5.0 02:01 111.89 1.790 1973.0809 4455 153.53 n/a .000
02559 *****
02560 *****
02561 *****
02562 *****
02563 R1973:CO0028-----DtmIn-ID:HYD-----AREAh-QFEARcm-TpeakDate h:hm:-----RvM-R-C-----DWfms
ROUTE CHANNEL -> 5.0 02:02 270.69 1.677 1973.0809 4125 145.62 n/a .000
[RDY: 5.00 out; 5.0 01:82 270.69 1.466 1973.0809 4335 145.62 n/a .000]
(L/S= 471. / 221 / 035]
(Vmax: .524; Dmax= .524)
02564 *****
02565 *****
02566 *****
02567 *****
02568 R1973:CO0029-----DtmIn-ID:HYD-----AREAh-QFEARcm-TpeakDate h:hm:-----RvM-R-C-----DWfms
ADD HYD + 5.0 02:02 270.69 1.466 1973.0809 4125 145.62 n/a .000
+ 5.0 02:04 50.96 4.815 1973.0809 3125 142.53 n/a .000
SUM: 5.0 02:03 321.65 2.041 1973.0809 4125 145.13 n/a .000
02570 *****
02571 *****
02572 R1973:CO0030-----DtmIn-ID:HYD-----AREAh-QFEARcm-TpeakDate h:hm:-----RvM-R-C-----DWfms
ROUTE CHANNEL -> 5.0 02:03 321.65 2.041 1973.0809 4125 145.13 n/a .000
[RDY: 5.00 out; 5.0 01:83 321.65 1.954 1973.0809 4155 145.13 n/a .000]
(L/S= 784. / 100 / 035]
(Vmax: .359; Dmax= .348)
02573 *****
02574 *****
02575 *****
02576 *****
02577 R1973:CO0031-----DtmIn-ID:HYD-----AREAh-QFEARcm-TpeakDate h:hm:-----RvM-R-C-----DWfms
ROUTE CHANNEL -> 5.0 02:03 1.55 1.045 1973.0809 2135 147.90 n/a .000
[RDY: 5.00 out; 5.0 01:84 1.55 1.030 1973.0809 2135 147.90 n/a .000]
(L/S= 693. / 720 / 035]
(Vmax: .302; Dmax= .099)
02578 *****
02579 *****
02580 *****
02581 *****
02582 R1973:CO0032-----DtmIn-ID:HYD-----AREAh-QFEARcm-TpeakDate h:hm:-----RvM-R-C-----DWfms
ADD HYD + 5.0 02:04 1.55 1.030 1973.0809 2135 147.90 n/a .000
+ 5.0 02:03 321.65 1.954 1973.0809 4155 145.13 n/a .000
+ 5.0 02:05 56.76 4.984 1973.0809 3125 142.53 n/a .000
SUM: 5.0 02:04 321.65 2.372 1973.0809 4140 145.55 n/a .000
02583 *****
02584 *****
02585 *****
02586 *****
02587 R1973:CO0033-----DtmIn-ID:HYD-----AREAh-QFEARcm-TpeakDate h:hm:-----RvM-R-C-----DWfms
ROUTE CHANNEL -> 5.0 02:04 321.65 2.372 1973.0809 4140 145.55 n/a .000
[RDY: 5.00 out; 5.0 01:85 321.65 2.332 1973.0809 5100 145.55 n/a .000]
(L/S= 644. / 157 / 035]
(Vmax: .512; Dmax= .440)
02588 *****
02589 *****
02590 *****
02591 *****
02592 R1973:CO0034-----DtmIn-ID:HYD-----AREAh-QFEARcm-TpeakDate h:hm:-----RvM-R-C-----DWfms
ADD HYD + 5.0 02:05 321.65 2.332 1973.0809 5100 145.55 n/a .000
+ 5.0 02:07 379.46 2.332 1973.0809 5100 145.55 n/a .000
SUM: 5.0 02:07 379.46 2.332 1973.0809 5100 145.55 n/a .000
02593 *****
02594 *****
02595 *****
02596 *****
02597 R1973:CO0035-----DtmIn-ID:HYD-----AREAh-QFEARcm-TpeakDate h:hm:-----RvM-R-C-----DWfms
ROUTE CHANNEL -> 5.0 02:07 60.46 5.537 1973.0809 3125 139.07 n/a .000
[RDY: 5.00 out; 5.0 01:86 60.46 5.177 1973.0809 3140 139.07 n/a .000]
(L/S= 871. / 343 / 035]
(Vmax: .650; Dmax= .442)
02598 *****
02599 *****
02600 R1973:CO0036-----DtmIn-ID:HYD-----AREAh-QFEARcm-TpeakDate h:hm:-----RvM-R-C-----DWfms
ROUTE CHANNEL -> 5.0 02:07 7.62 1.160 1973.0809 2135 161.47 n/a .000
[RDY: 5.00 out; 5.0 01:87 7.62 1.115 1973.0809 3120 161.46 n/a .000]
(L/S= 664. / 258 / 035]
(Vmax: .196; Dmax= .115)
02601 *****
02602 *****
02603 *****
02604 *****
02605 R1973:CO0037-----DtmIn-ID:HYD-----AREAh-QFEARcm-TpeakDate h:hm:-----RvM-R-C-----DWfms
ROUTE CHANNEL -> 5.0 02:07 17.96 2.212 1973.0809 3120 153.53 n/a .000
[RDY: 5.00 out; 5.0 01:88 17.96 2.192 1973.0809 3125 153.53 n/a .000]
(L/S= 181. / 339 / 035]
(Vmax: .463; Dmax= .246)
02606 *****
02607 *****
02608 *****
02609 *****
02610 R1973:CO0038-----DtmIn-ID:HYD-----AREAh-QFEARcm-TpeakDate h:hm:-----RvM-R-C-----DWfms
ADD HYD + 5.0 02:07 7.62 1.115 1973.0809 3120 161.46 n/a .000
+ 5.0 02:08 25.98 2.112 1973.0809 3120 155.89 n/a .000
SUM: 5.0 02:10 25.98 3.227 1973.0809 3120 155.89 n/a .000
02611 *****
02612 *****
02613 *****
02614 R1973:CO0039-----DtmIn-ID:HYD-----AREAh-QFEARcm-TpeakDate h:hm:-----RvM-R-C-----DWfms
ROUTE CHANNEL -> 5.0 02:10 25.98 3.227 1973.0809 3120 155.89 n/a .000
[RDY: 5.00 out; 5.0 01:89 25.98 3.224 1973.0809 3130 155.89 n/a .000]
(L/S= 418. / 114 / 035]
(Vmax: .564; Dmax= .217)
02615 *****
02616 *****
02617 *****
02618 *****
02619 R1973:CO0040-----DtmIn-ID:HYD-----AREAh-QFEARcm-TpeakDate h:hm:-----RvM-R-C-----DWfms
ADD HYD + 5.0 02:08 60.46 5.177 1973.0809 3140 139.07 n/a .000
+ 5.0 02:09 25.98 3.224 1973.0809 3130 155.89 n/a .000
SUM: 5.0 02:09 86.44 8.351 1973.0809 4110 147.92 n/a .000
02620 *****
02621 *****
02622 *****
02623 *****
02624 *****
02625 *****
02626 R1973:CO0041-----DtmIn-ID:HYD-----AREAh-QFEARcm-TpeakDate h:hm:-----RvM-R-C-----DWfms
SAVE HYD + 5.0 01:CATCHMENT 148.71 1.499 1973.0809 3110 147.92 n/a .000
name: CATCHMENT.1973
02627 *****
02628 *****
02629 *****
02630 R1973:CO0042-----DtmIn-ID:HYD-----AREAh-QFEARcm-TpeakDate h:hm:-----RvM-R-C-----DWfms
ADD HYD + 5.0 02:07 379.46 2.332 1973.0809 5100 145.55 n/a .000
+ 5.0 02:08 148.71 1.499 1973.0809 3110 147.92 n/a .000
SUM: 5.0 02:07 379.46 2.332 1973.0809 5100 145.55 n/a .000
02631 *****
02632 *****
02633 *****
02634 *****
02635 *****
02636 *****
02637 R1973:CO0043-----DtmIn-ID:HYD-----AREAh-QFEARcm-TpeakDate h:hm:-----RvM-R-C-----DWfms
ROUTE CHANNEL -> 5.0 02:11 526.62 3.327 1973.0809 4115 146.21 n/a .000
[RDY: 5.00 out; 5.0 01:90 526.62 3.304 1973.0809 4125 146.21 n/a .000]
(L/S= 308. / 100 / 035]
(Vmax: .415; Dmax= .401)
02638 *****
02639 *****
02640 *****
02641 *****
02642 R1973:CO0044-----DtmIn-ID:HYD-----AREAh-QFEARcm-TpeakDate h:hm:-----RvM-R-C-----DWfms
ADD HYD + 5.0 02:10 526.62 3.304 1973.0809 4125 146.21 n/a .000
+ 5.0 02:08 25.98 3.227 1973.0809 3130 155.89 n/a .000
+ 5.0 02:09 14.26 3.862 1973.0809 2145 202.32 n/a .000
SUM: 5.0 02:12 566.50 3.708 1973.0809 4110 148.22 n/a .000
02643 *****
02644 *****
02645 *****
02646 *****
02647 R1973:CO0045-----DtmIn-ID:HYD-----AREAh-QFEARcm-TpeakDate h:hm:-----RvM-R-C-----DWfms
EROSION INDEX 5.0 01:312 566.50 3.077 8765.50 199.25 2.27 15 3.49E-06
[CCF: .175]
02648 *****
02649 *****
02650 *****
02651 *****
02652 *****
02653 *****
02654 *****
02655 R1973:CO0046-----DtmIn-ID:HYD-----AREAh-QFEARcm-TpeakDate h:hm:-----RvM-R-C-----DWfms
SAVE HYD + 5.0 01:312 566.50 3.708 1973.0809 4110 148.22 n/a .000
name: J12.1973
02656 *****
02657 *****
02658 *****
02659 *****
02660 R1973:CO0047-----DtmIn-ID:HYD-----AREAh-QFEARcm-TpeakDate h:hm:-----RvM-R-C-----DWfms
ROUTE CHANNEL -> 5.0 02:12 566.50 3.708 1973.0809 4110 148.22 n/a .000
[RDY: 5.00 out; 5.0 01:91 566.50 3.430 1973.0809 4150 148.22 n/a .000]
(L/S= 1182. / 100 / 035]
(Vmax: .439; Dmax= .524)
02661 *****
02662 *****
02663 *****
02664 *****
02665 R1973:CO0048-----DtmIn-ID:HYD-----AREAh-QFEARcm-TpeakDate h:hm:-----RvM-R-C-----DWfms
ADD HYD + 5.0 02:12 109.81 1.302 1973.0809 3155 183.83 n/a .000
+ 5.0 02:07 12.05 2.15 1973.0809 2135 139.03 n/a .000
SUM: 5.0 02:13 201.11 2.648 1973.0809 3125 181.65 n/a .000
02666 *****
02667 *****
02668 *****
02669 *****
02670 R1973:CO0049-----DtmIn-ID:HYD-----AREAh-QFEARcm-TpeakDate h:hm:-----RvM-R-C-----DWfms
ROUTE CHANNEL -> 5.0 02:13 201.11 2.648 1973.0809 3125 181.65 n/a .000
[RDY: 5.00 out; 5.0 01:92 201.11 2.583 1973.0809 3140 181.65 n/a .000]
(L/S= 706. / 113 / 035]
(Vmax: .706; Dmax= 1.047)
02671 *****
02672 *****
02673 *****
02674 *****
02675 R1973:CO0050-----DtmIn-ID:HYD-----AREAh-QFEARcm-TpeakDate h:hm:-----RvM-R-C-----DWfms
ADD HYD + 5.0 02:15 171.81 1.300 1973.0809 4140 163.34 n/a .000
+ 5.0 02:12 60.27 1.499 1973.0809 4335 159.31 246 .000
SUM: 5.0 02:14 438.81 4.718 1973.0809 3145 174.89 n/a .000
02676 *****
02677 *****
02678 *****
02679 R1973:CO0051-----DtmIn-ID:HYD-----AREAh-QFEARcm-TpeakDate h:hm:-----RvM-R-C-----DWfms
ROUTE CHANNEL -> 5.0 02:14 438.81 4.718 1973.0809 3145 174.89 n/a .000
[RDY: 5.00 out; 5.0 01:93 438.81 4.125 1973.0809 5130 174.88 n/a .000]
(L/S= 1016. / 100 / 035]
(Vmax: .378; Dmax= 1.152)
02680 *****
02681 *****
02682 *****
02683 *****
02684 *****
02685 *****
02686 R1973:CO0052-----DtmIn-ID:HYD-----AREAh-QFEARcm-TpeakDate h:hm:-----RvM-R-C-----DWfms
ADD HYD + 5.0 02:17 68.50 1.729 1973.0809 4115 183.83 n/a .000
+ 5.0 02:16 60.27 1.499 1973.0809 4335 159.31 246 .000
+ 5.0 02:11 566.50 3.430 1973.0809 4150 148.22 n/a .000
SUM: 5.0 02:13 1181.27 9.141 1973.0809 4140 164.64 n/a .000
02687 *****
02688 *****
02689 *****
02690 *****
02691 R1973:CO0053-----DtmIn-ID:HYD-----AREAh-QFEARcm-TpeakDate h:hm:-----RvM-R-C-----DWfms
ROUTE CHANNEL -> 5.0 02:14 1181.27 9.246 1973.0809 4150 164.64 n/a .000
[RDY: 5.00 out; 5.0 01:94 1181.27 9.246 1973.0809 4150 164.64 n/a .000]
(L/S= 556. / 100 / 035]
(Vmax: .534; Dmax= .534)
02691 *****
02692 *****
02693 *****
02694 *****
02695 R1973:CO0054-----DtmIn-ID:HYD-----AREAh-QFEARcm-TpeakDate h:hm:-----RvM-R-C-----DWfms
ADD HYD + 5.0 02:15 24.24 1.550 1973.0809 2145 202.32 n/a .000
+ 5.0 02:14 1181.27 9.246 1973.0809 4150 164.64 n/a .000
SUM: 5.0 01:00T 1205.51 9.375 1973.0809 4150 165.07 n/a .000
02696 *****
02697 *****
02698 *****
02699 *****
02700 *****

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02880 *****

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02881 # T2
02882 *****
02883 R1974:C00020-----DtmIn-ID:INHYD-----AREAh-QPEARcns-TpeakDate h:hm:--RvM-R-C-----DWfCms
02884 CONTINUOUS NASHYD 5.0 01:172 109.81 .645 1974.0719 8:45 58.88 .152 .000
02885 [Cm 72.0i Nm 3.00i Tm 3.84i]
02886 [IaREC=24.00; SMIN= 39.75; SMAX=264.99; SR= 100]
02887 [InterEventTime= 24.00]
02888 *****
02889 # T3
02890 *****
02891 R1974:C00021-----DtmIn-ID:INHYD-----AREAh-QPEARcns-TpeakDate h:hm:--RvM-R-C-----DWfCms
02892 CONTINUOUS NASHYD 5.0 01:173 12.05 .147 1974.0719 7:25 57.32 .148 .000
02893 [Cm 70.0i Nm 3.00i Tm 87]
02894 [IaREC=24.00; SMIN= 43.07; SMAX=287.10; SR= 100]
02895 [InterEventTime= 24.00]
02896 *****
02897 # T4
02898 *****
02899 R1974:C00022-----DtmIn-ID:INHYD-----AREAh-QPEARcns-TpeakDate h:hm:--RvM-R-C-----DWfCms
02900 CONTINUOUS NASHYD 5.0 01:174 65.89 .498 1974.0719 8:10 58.88 .152 .000
02901 [Cm 72.0i Nm 3.00i Tm 1.76]
02902 [IaREC=24.00; SMIN= 39.75; SMAX=264.99; SR= 100]
02903 [InterEventTime= 24.00]
02904 *****
02905 # T5
02906 *****
02907 R1974:C00023-----DtmIn-ID:INHYD-----AREAh-QPEARcns-TpeakDate h:hm:--RvM-R-C-----DWfCms
02908 CONTINUOUS NASHYD 5.0 01:175 171.81 .628 1974.0305 8:55 51.53 .133 .000
02909 [Cm 64.0i Nm 3.00i Tm 3.07]
02910 [IaREC=24.00; SMIN= 57.03; SMAX=380.32; SR= 100]
02911 [InterEventTime= 24.00]
02912 *****
02913 # T6
02914 *****
02915 R1974:C00024-----DtmIn-ID:INHYD-----AREAh-QPEARcns-TpeakDate h:hm:--RvM-R-C-----DWfCms
02916 CONTINUOUS NASHYD 5.0 01:176 60.20 .327 1974.0719 9:20 64.70 .168 .000
02917 [Cm 72.0i Nm 3.00i Tm 3.84i]
02918 [IaREC=24.00; SMIN= 31.15; SMAX=207.66; SR= 100]
02919 [InterEventTime= 24.00]
02920 *****
02921 # T7
02922 *****
02923 R1974:C00025-----DtmIn-ID:INHYD-----AREAh-QPEARcns-TpeakDate h:hm:--RvM-R-C-----DWfCms
02924 CONTINUOUS NASHYD 5.0 01:177 68.50 .361 1974.0719 9:00 58.88 .152 .000
02925 [Cm 72.0i Nm 3.00i Tm 4.63]
02926 [IaREC=24.00; SMIN= 39.75; SMAX=264.99; SR= 100]
02927 *****
02928 *****
02929 R1974:C00026-----DtmIn-ID:INHYD-----AREAh-QPEARcns-TpeakDate h:hm:--RvM-R-C-----DWfCms
02930 ROUTE CHANNEL --> 5.0 01:181 111.89 .356 1974.0305 9:00 48.01 n/a .000
02931 [RD= 5.00i outc= 5.0 01:181 111.89 .356 1974.0305 9:00 48.01 n/a .000]
02932 [I/S= 784. / 100. / 0.35]
02933 [Vmax= .303; Dmax= .354]
02934 R1974:C00027-----DtmIn-ID:INHYD-----AREAh-QPEARcns-TpeakDate h:hm:--RvM-R-C-----DWfCms
02935 ADD HYD + 5.0 02:182 119.73 .320 1974.0305 9:05 44.21 n/a .000
02936 + 5.0 02:183 136.60 .136 1974.0719 8:10 40.80 n/a .000
02937 SUM= 5.0 01:32 270.69 .768 1974.0305 8:50 45.29 n/a .000
02938 R1974:C00028-----DtmIn-ID:INHYD-----AREAh-QPEARcns-TpeakDate h:hm:--RvM-R-C-----DWfCms
02939 ROUTE CHANNEL --> 5.0 01:182 270.69 .768 1974.0305 9:05 45.29 n/a .000
02940 [RD= 5.00i outc= 5.0 01:182 270.69 .768 1974.0305 9:05 45.29 n/a .000]
02941 [I/S= 471. / 221. / 0.35]
02942 [Vmax= .400; Dmax= .304]
02943 R1974:C00029-----DtmIn-ID:INHYD-----AREAh-QPEARcns-TpeakDate h:hm:--RvM-R-C-----DWfCms
02944 ADD HYD + 5.0 02:184 50.96 .196 1974.0719 8:25 44.21 n/a .000
02945 + 5.0 02:185 379.65 .897 1974.0305 9:15 45.12 n/a .000
02946 SUM= 5.0 01:32 430.61 .109 1974.0305 9:15 45.12 n/a .000
02947 R1974:C00030-----DtmIn-ID:INHYD-----AREAh-QPEARcns-TpeakDate h:hm:--RvM-R-C-----DWfCms
02948 ROUTE CHANNEL --> 5.0 01:32 430.61 .109 1974.0305 9:15 45.12 n/a .000
02949 [RD= 5.00i outc= 5.0 01:32 430.61 .109 1974.0305 9:15 45.12 n/a .000]
02950 [I/S= 784. / 100. / 0.35]
02951 R1974:C00031-----DtmIn-ID:INHYD-----AREAh-QPEARcns-TpeakDate h:hm:--RvM-R-C-----DWfCms
02952 ROUTE CHANNEL --> 5.0 02:185 1.55 .017 1974.0719 7:15 46.06 n/a .000
02953 [RD= 5.00i outc= 5.0 02:184 1.55 .017 1974.0719 7:30 46.06 n/a .000]
02954 [I/S= 693. / 720. / 0.35]
02955 R1974:C00032-----DtmIn-ID:INHYD-----AREAh-QPEARcns-TpeakDate h:hm:--RvM-R-C-----DWfCms
02956 ADD HYD + 5.0 02:186 1.55 .017 1974.0719 7:30 46.06 n/a .000
02957 + 5.0 02:185 56.26 .222 1974.0719 8:35 46.06 n/a .000
02958 SUM= 5.0 01:32 57.81 .239 1974.0305 9:15 45.26 n/a .000
02959 R1974:C00033-----DtmIn-ID:INHYD-----AREAh-QPEARcns-TpeakDate h:hm:--RvM-R-C-----DWfCms
02960 ROUTE CHANNEL --> 5.0 02:186 57.81 .239 1974.0305 9:15 45.26 n/a .000
02961 [RD= 5.00i outc= 5.0 02:185 57.81 .239 1974.0305 9:15 45.26 n/a .000]
02962 [I/S= 664. / 157. / 0.35]
02963 R1974:C00034-----DtmIn-ID:INHYD-----AREAh-QPEARcns-TpeakDate h:hm:--RvM-R-C-----DWfCms
02964 ADD HYD + 5.0 02:187 379.46 1.067 1974.0305 9:15 45.26 n/a .000
02965 + 5.0 02:188 17.96 .097 1974.0719 8:10 48.02 n/a .000
02966 SUM= 5.0 01:310 25.58 .147 1974.0719 8:10 48.85 n/a .000
02967 R1974:C00035-----DtmIn-ID:INHYD-----AREAh-QPEARcns-TpeakDate h:hm:--RvM-R-C-----DWfCms
02968 ROUTE CHANNEL --> 5.0 01:310 25.58 .147 1974.0719 8:10 48.85 n/a .000
02969 [RD= 5.00i outc= 5.0 01:310 25.58 .147 1974.0719 8:10 48.85 n/a .000]
02970 [I/S= 784. / 100. / 0.35]
02971 R1974:C00036-----DtmIn-ID:INHYD-----AREAh-QPEARcns-TpeakDate h:hm:--RvM-R-C-----DWfCms
02972 ROUTE CHANNEL --> 5.0 01:187 7.62 .050 1974.0719 8:05 50.80 n/a .000
02973 [RD= 5.00i outc= 5.0 01:186 60.46 .223 1974.0719 8:40 43.04 n/a .000]
02974 [I/S= 871. / 347. / 0.35]
02975 R1974:C00037-----DtmIn-ID:INHYD-----AREAh-QPEARcns-TpeakDate h:hm:--RvM-R-C-----DWfCms
02976 ROUTE CHANNEL --> 5.0 01:187 7.62 .050 1974.0719 8:05 50.80 n/a .000
02977 [RD= 5.00i outc= 5.0 01:187 7.62 .050 1974.0719 8:05 50.80 n/a .000]
02978 [I/S= 651. / 259. / 0.35]
02979 R1974:C00038-----DtmIn-ID:INHYD-----AREAh-QPEARcns-TpeakDate h:hm:--RvM-R-C-----DWfCms
02980 ROUTE CHANNEL --> 5.0 01:188 17.96 .097 1974.0719 8:10 48.02 n/a .000
02981 [RD= 5.00i outc= 5.0 01:188 17.96 .097 1974.0719 8:10 48.02 n/a .000]
02982 [I/S= 181. / 339. / 0.35]
02983 R1974:C00039-----DtmIn-ID:INHYD-----AREAh-QPEARcns-TpeakDate h:hm:--RvM-R-C-----DWfCms
02984 ADD HYD + 5.0 02:188 17.96 .097 1974.0719 8:10 48.02 n/a .000
02985 + 5.0 02:189 25.58 .147 1974.0719 8:10 48.85 n/a .000
02986 SUM= 5.0 01:310 25.58 .147 1974.0719 8:10 48.85 n/a .000
02987 R1974:C00040-----DtmIn-ID:INHYD-----AREAh-QPEARcns-TpeakDate h:hm:--RvM-R-C-----DWfCms
02988 ROUTE CHANNEL --> 5.0 01:310 25.58 .147 1974.0719 8:10 48.85 n/a .000
02989 [RD= 5.00i outc= 5.0 01:310 25.58 .147 1974.0719 8:10 48.85 n/a .000]
02990 [I/S= 366. / 414. / 0.35]
02991 R1974:C00041-----DtmIn-ID:INHYD-----AREAh-QPEARcns-TpeakDate h:hm:--RvM-R-C-----DWfCms
02992 ADD HYD + 5.0 02:186 60.46 .223 1974.0719 8:40 43.04 n/a .000
02993 + 5.0 02:187 25.58 .147 1974.0719 8:10 48.85 n/a .000
02994 SUM= 5.0 01:310 86.04 .470 1974.0719 8:10 46.09 n/a .000
02995 R1974:C00042-----DtmIn-ID:INHYD-----AREAh-QPEARcns-TpeakDate h:hm:--RvM-R-C-----DWfCms
02996 ROUTE CHANNEL --> 5.0 02:186 60.46 .223 1974.0719 8:40 43.04 n/a .000
02997 [RD= 5.00i outc= 5.0 02:186 60.46 .223 1974.0719 8:40 43.04 n/a .000]
02998 [I/S= 366. / 414. / 0.35]
02999 R1974:C00043-----DtmIn-ID:INHYD-----AREAh-QPEARcns-TpeakDate h:hm:--RvM-R-C-----DWfCms
03000 ADD HYD + 5.0 02:188 17.96 .097 1974.0719 8:10 48.02 n/a .000
03001 + 5.0 02:189 25.58 .147 1974.0719 8:10 48.85 n/a .000
03002 SUM= 5.0 01:312 43.54 .244 1974.0719 8:10 48.02 n/a .000
03003 R1974:C00044-----DtmIn-ID:INHYD-----AREAh-QPEARcns-TpeakDate h:hm:--RvM-R-C-----DWfCms
03004 ROUTE CHANNEL --> 5.0 02:188 43.54 .244 1974.0719 8:10 48.02 n/a .000
03005 [RD= 5.00i outc= 5.0 02:188 43.54 .244 1974.0719 8:10 48.02 n/a .000]
03006 [I/S= 308. / 100. / 0.35]
03007 R1974:C00045-----DtmIn-ID:INHYD-----AREAh-QPEARcns-TpeakDate h:hm:--RvM-R-C-----DWfCms
03008 ADD HYD + 5.0 02:189 25.58 .147 1974.0719 8:10 48.85 n/a .000
03009 + 5.0 02:190 14.26 .183 1974.0719 7:35 65.76 n/a .000
03010 SUM= 5.0 01:312 49.84 .327 1974.0305 8:45 46.21 n/a .000
03011 R1974:C00046-----DtmIn-ID:INHYD-----AREAh-QPEARcns-TpeakDate h:hm:--RvM-R-C-----DWfCms
03012 ROUTE CHANNEL --> 5.0 02:189 49.84 .327 1974.0305 8:45 46.21 n/a .000
03013 [RD= 5.00i outc= 5.0 02:189 49.84 .327 1974.0305 8:45 46.21 n/a .000]
03014 [I/S= 308. / 100. / 0.35]
03015 R1974:C00047-----DtmIn-ID:INHYD-----AREAh-QPEARcns-TpeakDate h:hm:--RvM-R-C-----DWfCms
03016 ADD HYD + 5.0 02:190 14.26 .183 1974.0719 7:35 65.76 n/a .000
03017 + 5.0 02:191 526.62 .157 1974.0305 8:45 45.49 n/a .000
03018 SUM= 5.0 01:312 541.88 .340 1974.0305 8:45 45.49 n/a .000
03019 R1974:C00048-----DtmIn-ID:INHYD-----AREAh-QPEARcns-TpeakDate h:hm:--RvM-R-C-----DWfCms
03020 ADD HYD + 5.0 02:191 526.62 .157 1974.0305 8:45 45.49 n/a .000
03021 + 5.0 02:190 14.26 .183 1974.0719 7:35 65.76 n/a .000
03022 SUM= 5.0 01:312 541.88 .340 1974.0305 8:45 45.49 n/a .000
03023 R1974:C00049-----DtmIn-ID:INHYD-----AREAh-QPEARcns-TpeakDate h:hm:--RvM-R-C-----DWfCms
03024 EROSION INDEX 5.0 01:312 566.50 .008 876r50 60.00 .68 6 8406r50 n/a .000
03025 [DCE= 178]
03026 R1974:C00050-----DtmIn-ID:INHYD-----AREAh-QPEARcns-TpeakDate h:hm:--RvM-R-C-----DWfCms
03027 SAVE HYD 5.0 01:312 566.50 1.672 1974.0305 8:45 46.21 n/a .000
03028 *****
03029 *****
03030 *****
03031 *****
03032 *****
03033 *****
03034 *****
03035 *****
03036 *****
03037 *****
03038 *****
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03057 *****
03058 *****
03059 *****
03060 *****

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Table with 10 columns: ID, Description, Values, Units, etc. Rows include details for various hydrological models like 1976R1976C0011 through 1976R1976C0044, and summary statistics for erosion index and save hydro files.


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03961 # M6
03962 *****
03963 R1977C00014-----DtmIn-ID:HVHD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
03964 CONTINUOUS NASHVD 5.0 01:86 25.62 .228 1977.0902 6:25 130.68 193 .000
03965 [C# 62.0; N# 3.00; T# 1.13]
03966 [I#R#E# 24.00; SMIN# 39.81; SMAX#412.66; SR# 100]
03967 [InterEventTime 24.00]
03968 *****
03969 # M7
03970 *****
03971 R1977C00015-----DtmIn-ID:HVHD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
03972 CONTINUOUS NASHVD 5.0 01:87 47.26 .487 1977.0902 6:45 159.44 239 .000
03973 [C# 70.0; N# 3.00; T# 2.29]
03974 [I#R#E# 24.00; SMIN# 39.81; SMAX#225.43; SR# 100]
03975 [InterEventTime 24.00]
03976 *****
03977 # M8
03978 *****
03979 R1977C00016-----DtmIn-ID:HVHD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
03980 CONTINUOUS NASHVD 5.0 01:88 25.62 .276 1977.0902 6:45 166.31 246 .000
03981 [C# 78.0; N# 3.00; T# 1.13]
03982 [I#R#E# 24.00; SMIN# 25.88; SMAX#199.22; SR# 100]
03983 [InterEventTime 24.00]
03984 *****
03985 # M9
03986 *****
03987 R1977C00017-----DtmIn-ID:HVHD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
03988 CONTINUOUS NASHVD 5.0 01:89 24.24 .419 1977.0902 5:45 152.83 226 .000
03989 [C# 71.0; N# 3.00; T# 1.13]
03990 [I#R#E# 24.00; SMIN# 39.81; SMAX#254.55; SR# 100]
03991 [InterEventTime 24.00]
03992 *****
03993 # SITE
03994 *****
03995 R1977C00018-----DtmIn-ID:HVHD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
03996 CONTINUOUS NASHVD 5.0 01:90 60.48 .722 1977.0902 5:50 125.85 186 .000
03997 [C# 69.0; N# 3.00; T# 1.13]
03998 [I#R#E# 24.00; SMIN# 70.11; SMAX#467.39; SR# 100]
03999 [InterEventTime 24.00]
04000 *****
04001 # T1
04002 *****
04003 R1977C00019-----DtmIn-ID:HVHD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
04004 CONTINUOUS NASHVD 5.0 01:91 79.25 .956 1977.0902 6:10 146.83 217 .000
04005 [C# 76.0; N# 3.00; T# 1.46]
04006 [I#R#E# 24.00; SMIN# 43.07; SMAX#287.10; SR# 100]
04007 [InterEventTime 24.00]
04008 *****
04009 # T2
04010 *****
04011 R1977C00020-----DtmIn-ID:HVHD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
04012 CONTINUOUS NASHVD 5.0 01:92 109.81 1.022 1977.0902 6:50 150.79 223 .000
04013 [C# 72.0; N# 3.00; T# 2.34]
04014 [I#R#E# 24.00; SMIN# 39.75; SMAX#264.99; SR# 100]
04015 [InterEventTime 24.00]
04016 *****
04017 # T3
04018 *****
04019 R1977C00021-----DtmIn-ID:HVHD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
04020 CONTINUOUS NASHVD 5.0 01:93 65.89 .782 1977.0902 6:20 150.79 223 .000
04021 [C# 70.0; N# 3.00; T# .87]
04022 [I#R#E# 24.00; SMIN# 39.81; SMAX#287.10; SR# 100]
04023 [InterEventTime 24.00]
04024 *****
04025 # T4
04026 *****
04027 R1977C00022-----DtmIn-ID:HVHD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
04028 CONTINUOUS NASHVD 5.0 01:94 65.89 .782 1977.0902 6:20 150.79 223 .000
04029 [C# 72.0; N# 3.00; T# 1.76]
04030 [I#R#E# 24.00; SMIN# 39.75; SMAX#264.99; SR# 100]
04031 [InterEventTime 24.00]
04032 *****
04033 # T5
04034 *****
04035 R1977C00023-----DtmIn-ID:HVHD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
04036 CONTINUOUS NASHVD 5.0 01:95 171.81 1.021 1977.0902 7:35 134.04 198 .000
04037 [C# 64.0; N# 3.00; T# 1.13]
04038 [I#R#E# 24.00; SMIN# 57.05; SMAX#380.32; SR# 100]
04039 [InterEventTime 24.00]
04040 *****
04041 # T6
04042 *****
04043 R1977C00024-----DtmIn-ID:HVHD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
04044 CONTINUOUS NASHVD 5.0 01:96 60.20 .511 1977.0902 7:25 164.10 242 .000
04045 [C# 72.0; N# 3.00; T# 1.48]
04046 [I#R#E# 24.00; SMIN# 31.15; SMAX#207.66; SR# 100]
04047 [InterEventTime 24.00]
04048 *****
04049 # T7
04050 *****
04051 R1977C00025-----DtmIn-ID:HVHD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
04052 CONTINUOUS NASHVD 5.0 01:97 68.50 .575 1977.0902 7:05 150.79 223 .000
04053 [C# 72.0; N# 3.00; T# 2.63]
04054 [I#R#E# 24.00; SMIN# 39.75; SMAX#264.99; SR# 100]
04055 [InterEventTime 24.00]
04056 *****
04057 R1977C00026-----DtmIn-ID:HVHD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
04058 ROUTE CHANNEL -> 5.0 02:01 111.89 .973 1977.0902 6:20 125.85 n/a .000
04059 [R#E# 5.00] outc= 5.0 01:81 111.89 .621 1977.0902 7:35 125.84 n/a .000
04060 [I#R#E# 24.00; SMIN# 39.81; SMAX#444]
04061 [Vmax .316; Dmax# .444]
04062 *****
04063 R1977C00027-----DtmIn-ID:HVHD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
04064 ADD HYD 5.0 02:01 111.89 .621 1977.0902 7:35 125.84 n/a .000
04065 + 5.0 02:02 119.73 .516 1977.0902 7:40 116.94 n/a .000
04066 + 5.0 02:03 39.07 .236 1977.0902 7:20 119.06 n/a .000
04067 SUM# 5.0 02:12 270.69 1.306 1977.0902 7:20 119.46 n/a .000
04068 [I#R#E# 24.00; SMIN# 39.81; SMAX#380.32; SR# 100]
04069 [InterEventTime 24.00]
04070 *****
04071 R1977C00028-----DtmIn-ID:HVHD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
04072 ROUTE CHANNEL -> 5.0 02:02 270.69 1.306 1977.0902 7:20 119.46 n/a .000
04073 [R#E# 5.00] outc= 5.0 01:82 270.69 1.296 1977.0902 7:35 119.46 n/a .000
04074 [I#R#E# 24.00; SMIN# 471. / 223; Dmax# .70]
04075 [Vmax .476; Dmax# .70]
04076 *****
04077 R1977C00029-----DtmIn-ID:HVHD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
04078 ADD HYD 5.0 02:02 270.69 1.296 1977.0902 7:35 119.46 n/a .000
04079 + 5.0 02:04 50.96 .332 1977.0902 6:30 116.94 n/a .000
04080 SUM# 5.0 02:03 321.65 1.580 1977.0902 7:20 119.06 n/a .000
04081 [I#R#E# 24.00; SMIN# 39.81; SMAX#380.32; SR# 100]
04082 [InterEventTime 24.00]
04083 *****
04084 R1977C00030-----DtmIn-ID:HVHD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
04085 ROUTE CHANNEL -> 5.0 01:83 321.65 1.502 1977.0902 7:50 119.06 n/a .000
04086 [R#E# 5.00] outc= 5.0 01:83 321.65 1.502 1977.0902 7:50 119.06 n/a .000
04087 [I#R#E# 24.00; SMIN# 39.81; SMAX#380.32; SR# 100]
04088 [InterEventTime 24.00]
04089 *****
04090 R1977C00031-----DtmIn-ID:HVHD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
04091 ADD HYD 5.0 02:03 321.65 1.502 1977.0902 7:50 119.06 n/a .000
04092 + 5.0 02:05 379.46 .379 1977.0902 6:40 121.26 n/a .000
04093 SUM# 5.0 02:04 379.46 1.818 1977.0902 7:35 119.39 n/a .000
04094 [I#R#E# 24.00; SMIN# 39.81; SMAX#380.32; SR# 100]
04095 [InterEventTime 24.00]
04096 *****
04097 R1977C00032-----DtmIn-ID:HVHD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
04098 ROUTE CHANNEL -> 5.0 01:84 379.46 1.818 1977.0902 7:35 119.39 n/a .000
04099 [R#E# 5.00] outc= 5.0 01:85 379.46 1.784 1977.0902 7:55 119.39 n/a .000
04100 [I#R#E# 24.00; SMIN# 39.81; SMAX#380.32; SR# 100]
04101 [InterEventTime 24.00]
04102 *****
04103 R1977C00033-----DtmIn-ID:HVHD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
04104 ROUTE CHANNEL -> 5.0 02:04 379.46 1.818 1977.0902 7:35 119.39 n/a .000
04105 [R#E# 5.00] outc= 5.0 01:87 7.62 .088 1977.0902 6:10 132.34 n/a .000
04106 [I#R#E# 24.00; SMIN# 39.81; SMAX#380.32; SR# 100]
04107 [InterEventTime 24.00]
04108 *****
04109 R1977C00034-----DtmIn-ID:HVHD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
04110 ROUTE CHANNEL -> 5.0 02:05 17.96 .161 1977.0902 6:20 125.85 n/a .000
04111 [R#E# 5.00] outc= 5.0 01:88 17.96 .161 1977.0902 6:20 125.85 n/a .000
04112 [I#R#E# 24.00; SMIN# 39.81; SMAX#380.32; SR# 100]
04113 [InterEventTime 24.00]
04114 *****
04115 R1977C00035-----DtmIn-ID:HVHD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
04116 ADD HYD 5.0 02:05 17.96 .161 1977.0902 6:20 125.85 n/a .000
04117 + 5.0 02:08 25.58 .249 1977.0902 6:25 127.78 n/a .000
04118 SUM# 5.0 02:07 43.54 .411 1977.0902 6:25 127.78 n/a .000
04119 [I#R#E# 24.00; SMIN# 39.81; SMAX#380.32; SR# 100]
04120 [InterEventTime 24.00]
04121 *****
04122 R1977C00036-----DtmIn-ID:HVHD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
04123 ROUTE CHANNEL -> 5.0 02:10 25.58 .249 1977.0902 6:25 127.78 n/a .000
04124 [R#E# 5.00] outc= 5.0 02:14 25.58 .249 1977.0902 6:25 127.78 n/a .000
04125 [I#R#E# 24.00; SMIN# 39.81; SMAX#380.32; SR# 100]
04126 [InterEventTime 24.00]
04127 *****
04128 R1977C00037-----DtmIn-ID:HVHD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
04129 ADD HYD 5.0 02:06 60.46 .388 1977.0902 6:40 114.18 n/a .000
04130 + 5.0 02:09 25.58 .249 1977.0902 6:25 127.78 n/a .000
04131 SUM# 5.0 02:07 86.02 .637 1977.0902 6:40 114.18 n/a .000
04132 [I#R#E# 24.00; SMIN# 39.81; SMAX#380.32; SR# 100]
04133 [InterEventTime 24.00]
04134 *****
04135 R1977C00038-----DtmIn-ID:HVHD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
04136 ROUTE CHANNEL -> 5.0 02:07 86.02 .637 1977.0902 6:40 114.18 n/a .000
04137 [R#E# 5.00] outc= 5.0 02:11 86.02 .637 1977.0902 6:40 114.18 n/a .000
04138 [I#R#E# 24.00; SMIN# 39.81; SMAX#380.32; SR# 100]
04139 [InterEventTime 24.00]
04140 *****
04141 R1977C00039-----DtmIn-ID:HVHD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
04142 ADD HYD 5.0 02:08 60.46 .388 1977.0902 6:40 114.18 n/a .000
04143 + 5.0 02:11 25.58 .249 1977.0902 6:25 127.78 n/a .000
04144 SUM# 5.0 02:09 86.02 .637 1977.0902 6:40 114.18 n/a .000
04145 [I#R#E# 24.00; SMIN# 39.81; SMAX#380.32; SR# 100]
04146 [InterEventTime 24.00]
04147 *****
04148 R1977C00040-----DtmIn-ID:HVHD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
04149 ROUTE CHANNEL -> 5.0 02:10 25.58 .249 1977.0902 6:25 127.78 n/a .000
04150 [R#E# 5.00] outc= 5.0 02:14 25.58 .249 1977.0902 6:25 127.78 n/a .000
04151 [I#R#E# 24.00; SMIN# 39.81; SMAX#380.32; SR# 100]
04152 [InterEventTime 24.00]
04153 *****
04154 R1977C00041-----DtmIn-ID:HVHD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
04155 ADD HYD 5.0 02:09 60.46 .388 1977.0902 6:40 114.18 n/a .000
04156 + 5.0 02:12 25.58 .249 1977.0902 6:25 127.78 n/a .000
04157 SUM# 5.0 02:10 86.02 .637 1977.0902 6:40 114.18 n/a .000
04158 [I#R#E# 24.00; SMIN# 39.81; SMAX#380.32; SR# 100]
04159 [InterEventTime 24.00]
04160 *****
04161 R1977C00042-----DtmIn-ID:HVHD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
04162 ROUTE CHANNEL -> 5.0 01:CATCHMENT 148.71 1.287 1977.0902 6:05 121.33 n/a .000
04163 [I#R#E# 24.00; SMIN# 39.81; SMAX#380.32; SR# 100]
04164 [InterEventTime 24.00]
04165 *****
04166 R1977C00043-----DtmIn-ID:HVHD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
04167 frame :CATCHMENT.13 5.0 01:CATCHMENT 148.71 1.287 1977.0902 6:05 121.33 n/a .000
04168 [I#R#E# 24.00; SMIN# 39.81; SMAX#380.32; SR# 100]
04169 [InterEventTime 24.00]
04170 *****
04171 R1977C00044-----DtmIn-ID:HVHD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
04172 frame:Total Per Dev Runoff From Site
04173 *****
04174 R1977C00045-----DtmIn-ID:HVHD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
04175 ADD HYD 5.0 02:11 7.62 .088 1977.0902 6:25 127.78 n/a .000
04176 + 5.0 02:16 60.46 .388 1977.0902 6:40 114.18 n/a .000
04177 SUM# 5.0 02:15 68.08 .476 1977.0902 6:25 127.78 n/a .000
04178 [I#R#E# 24.00; SMIN# 39.81; SMAX#380.32; SR# 100]
04179 [InterEventTime 24.00]
04180 *****
04181 R1977C00046-----DtmIn-ID:HVHD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
04182 ADD HYD 5.0 02:12 60.46 .388 1977.0902 6:40 114.18 n/a .000
04183 + 5.0 02:15 25.58 .249 1977.0902 6:25 127.78 n/a .000
04184 SUM# 5.0 02:13 86.02 .637 1977.0902 6:40 114.18 n/a .000
04185 [I#R#E# 24.00; SMIN# 39.81; SMAX#380.32; SR# 100]
04186 [InterEventTime 24.00]
04187 *****
04188 R1977C00047-----DtmIn-ID:HVHD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
04189 ROUTE CHANNEL -> 5.0 02:13 86.02 .637 1977.0902 6:40 114.18 n/a .000
04190 [R#E# 5.00] outc= 5.0 02:17 86.02 .637 1977.0902 6:40 114.18 n/a .000
04191 [I#R#E# 24.00; SMIN# 39.81; SMAX#380.32; SR# 100]
04192 [InterEventTime 24.00]
04193 *****
04194 R1977C00048-----DtmIn-ID:HVHD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
04195 ADD HYD 5.0 02:13 86.02 .637 1977.0902 6:40 114.18 n/a .000
04196 + 5.0 02:16 25.58 .249 1977.0902 6:25 127.78 n/a .000
04197 SUM# 5.0 02:14 111.60 .886 1977.0902 6:40 114.18 n/a .000
04198 [I#R#E# 24.00; SMIN# 39.81; SMAX#380.32; SR# 100]
04199 [InterEventTime 24.00]
04200 *****
04201 R1977C00049-----DtmIn-ID:HVHD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
04202 ROUTE CHANNEL -> 5.0 02:14 111.60 .886 1977.0902 6:40 114.18 n/a .000
04203 [R#E# 5.00] outc= 5.0 02:18 111.60 .886 1977.0902 6:40 114.18 n/a .000
04204 [I#R#E# 24.00; SMIN# 39.81; SMAX#380.32; SR# 100]
04205 [InterEventTime 24.00]
04206 *****
04207 R1977C00050-----DtmIn-ID:HVHD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
04208 ADD HYD 5.0 02:14 111.60 .886 1977.0902 6:40 114.18 n/a .000
04209 + 5.0 02:17 25.58 .249 1977.0902 6:25 127.78 n/a .000
04210 SUM# 5.0 02:15 137.18 .113 1977.0902 6:40 114.18 n/a .000
04211 [I#R#E# 24.00; SMIN# 39.81; SMAX#380.32; SR# 100]
04212 [InterEventTime 24.00]
04213 *****
04214 R1977C00051-----DtmIn-ID:HVHD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
04215 ADD HYD 5.0 02:15 137.18 .113 1977.0902 6:40 114.18 n/a .000
04216 + 5.0 02:18 25.58 .249 1977.0902 6:25 127.78 n/a .000
04217 SUM# 5.0 02:16 162.76 .362 1977.0902 6:40 114.18 n/a .000
04218 [I#R#E# 24.00; SMIN# 39.81; SMAX#380.32; SR# 100]
04219 [InterEventTime 24.00]
04220 *****
04221 R1977C00052-----DtmIn-ID:HVHD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
04222 ROUTE CHANNEL -> 5.0 02:16 162.76 .362 1977.0902 6:40 114.18 n/a .000
04223 [R#E# 5.00] outc= 5.0 02:20 162.76 .362 1977.0902 6:40 114.18 n/a .000
04224 [I#R#E# 24.00; SMIN# 39.81; SMAX#380.32; SR# 100]
04225 [InterEventTime 24.00]
04226 *****
04227 R1977C00053-----DtmIn-ID:HVHD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
04228 ADD HYD 5.0 02:16 162.76 .362 1977.0902 6:40 114.18 n/a .000
04229 + 5.0 02:19 25.58 .249 1977.0902 6:25 127.78 n/a .000
04230 SUM# 5.0 02:17 188.34 .611 1977.0902 6:40 114.18 n/a .000
04231 [I#R#E# 24.00; SMIN# 39.81; SMAX#380.32; SR# 100]
04232 [InterEventTime 24.00]
04233 *****
04234 R1977C00054-----DtmIn-ID:HVHD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
04235 ROUTE CHANNEL -> 5.0 02:17 188.34 .611 1977.0902 6:40 114.18 n/a .000
04236 [R#E# 5.00] outc= 5.0 02:21 188.34 .611 1977.0902 6:40 114.18 n/a .000
04237 [I#R#E# 24.00; SMIN# 39.81; SMAX#380.32; SR# 100]
04238 [InterEventTime 24.00]
04239 *****
04240 R1977C00055-----DtmIn-ID:HVHD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
04241 ADD HYD 5.0 02:17 188.34 .611 1977.0902 6:40 114.18 n/a .000
04242 + 5.0 02:20 25.58 .249 1977.0902 6:25 127.78 n/a .000
04243 SUM# 5.0 02:18 213.92 .860 1977.0902 6:40 114.18 n/a .000
04244 [I#R#E# 24.00; SMIN# 39.81; SMAX#380.32; SR# 100]
04245 [InterEventTime 24.00]
04246 *****
04247 R1977C00056-----DtmIn-ID:HVHD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
04248 ROUTE CHANNEL -> 5.0 02:18 213.92 .860 1977.0902 6:40 114.18 n/a .000
04249 [R#E# 5.00] outc= 5.0 02:22 213.92 .860 1977.0902 6:40 114.18 n/a .000
04250 [I#R#E# 24.00; SMIN# 39.81; SMAX#380.32; SR# 100]
04251 [InterEventTime 24.00]
04252 *****
04253 R1977C00057-----DtmIn-ID:HVHD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
04254 ADD HYD 5.0 02:18 213.92 .860 1977.0902 6:40 114.18 n/a .000
04255 + 5.0 02:21 25.58 .249 1977.0902 6:25 127.78 n/a .000
04256 SUM# 5.0 02:19 239.50 .111 1977.0902 6:40 114.18 n/a .000
04257 [I#R#E# 24.00; SMIN# 39.81; SMAX#380.32; SR# 100]
04258 [InterEventTime 24.00]
04259 *****
04260 R1977C00058-----DtmIn-ID:HVHD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
04261 ROUTE CHANNEL -> 5.0 02:19 239.50 .111 1977.0902 6:40 114.18 n/a .000
04262 [R#E# 5.00] outc= 5.0 02:23 239.50 .111 1977.0902 6:40 114.18 n/a .000
04263 [I#R#E# 24.00; SMIN# 39.81; SMAX#380.32; SR# 100]
04264 [InterEventTime 24.00]
04265 *****
04266 R1977C00059-----DtmIn-ID:HVHD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
04267 ADD HYD 5.0 02:19 239.50 .111 1977.0902 6:40 114.18 n/a .000
04268 + 5.0 02:22 25.58 .249 1977.0902 6:25 127.78 n/a .000
04269 SUM# 5.0 02:20 265.08 .360 1977.0902 6:40 114.18 n/a .000
04270 [I#R#E# 24.00; SMIN# 39.81; SMAX#380.32; SR# 100]
04271 [InterEventTime 24.00]
04272 *****
04273 R1977C00060-----DtmIn-ID:HVHD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
04274 ROUTE CHANNEL -> 5.0 02:20 265.08 .360 1977.0902 6:40 114.18 n/a .000
04275 [R#E# 5.00] outc= 5.0 02:24 265.08 .360 1977.0902 6:40 114.18 n/a .000
04276 [I#R#E# 24.00; SMIN# 39.81; SMAX#380.32; SR# 100]
04277 [InterEventTime 24.00]
04278 *****
04279 R1977C00061-----DtmIn-ID:HVHD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
04280 ADD HYD 5.0 02:20 265.08 .360 1977.0902 6:40 114.18 n/a .000
04281 + 5.0 02:23 25.58 .249 1977.0902 6:25 127.78 n/a .000
04282 SUM# 5.0 02:21 290.66 .609 1977.0902 6:40 114.18 n/a .000
04283 [I#R#E# 24.00; SMIN# 39.81; SMAX#380.32; SR# 100]
04284 [InterEventTime 24.0
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042321 # M4
042322 *****
042323 R1978/C00012-----DtmIn-ID:HYD-----AREAh-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfms
042324 CONTINUOUS NASHYD 5.0 01196 50.96 .315 1978.0619 0:45 92.06 144 .000
042325 [Cm 36.0; Nm 3.00; Tm 2.19]
042326 [IARFC=24.00; SMIN= 91.01; SMAX=66.70; SR= 100]
042327 [InterEventTime= 24.00]
042328 *****
042329 # M5
043131 R1978/C00013-----DtmIn-ID:HYD-----AREAh-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfms
043132 CONTINUOUS NASHYD 5.0 01193 56.26 .358 1978.0619 0:55 95.89 150 .000
043133 [Cm 56.0; Nm 3.00; Tm 2.09]
043134 [IARFC=24.00; SMIN= 79.69; SMAX=531.24; SR= 100]
043135 [InterEventTime= 24.00]
043136 *****
043137 # M6
043339 R1978/C00014-----DtmIn-ID:HYD-----AREAh-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfms
043340 CONTINUOUS NASHYD 5.0 01183 25.62 .220 1978.0619 0:40 154.32 164 .000
043341 [Cm 62.0; Nm 3.00; Tm 1.83]
043342 [IARFC=24.00; SMIN= 61.90; SMAX=412.66; SR= 100]
043343 [InterEventTime= 24.00]
043344 *****
043345 # M7
043448 R1978/C00015-----DtmIn-ID:HYD-----AREAh-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfms
043449 CONTINUOUS NASHYD 5.0 01187 47.26 .466 1978.0619 1:05 131.74 204 .000
043450 [Cm 75.0; Nm 3.00; Tm 2.29]
043451 [IARFC=24.00; SMIN= 31.83; SMAX=225.43; SR= 100]
043452 [InterEventTime= 24.00]
043453 *****
043454 # M8
043558 R1978/C00016-----DtmIn-ID:HYD-----AREAh-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfms
043559 CONTINUOUS NASHYD 5.0 01188 14.26 .293 1978.0619 2:35 138.50 217 .000
043560 [Cm 12.0; Nm 3.00; Tm 1.23]
043561 [IARFC=24.00; SMIN= 29.88; SMAX=199.22; SR= 100]
043562 [InterEventTime= 24.00]
043563 *****
043564 # M9
043663 R1978/C00017-----DtmIn-ID:HYD-----AREAh-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfms
043664 CONTINUOUS NASHYD 5.0 01189 24.24 .439 1978.0619 2:35 125.54 197 .000
043665 [Cm 12.0; Nm 3.00; Tm 1.23]
043666 [IARFC=24.00; SMIN= 38.18; SMAX=254.55; SR= 100]
043667 [InterEventTime= 24.00]
043668 *****
043669 # SITE
043770 *****
043771 R1978/C00018-----DtmIn-ID:HYD-----AREAh-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfms
043772 CONTINUOUS NASHYD 5.0 01192 60.48 .736 1978.0619 0:00 100.06 157 .000
043773 [Cm 59.0; Nm 3.00; Tm 1.65]
043774 [IARFC=24.00; SMIN= 70.11; SMAX=467.39; SR= 100]
043775 [InterEventTime= 24.00]
043776 *****
043777 # T1
043788 R1978/C00019-----DtmIn-ID:HYD-----AREAh-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfms
043789 CONTINUOUS NASHYD 5.0 01191 79.01 .944 1978.0619 0:25 119.75 187 .000
043790 [Cm 70.0; Nm 3.00; Tm 1.64]
043791 [IARFC=24.00; SMIN= 39.75; SMAX=287.10; SR= 100]
043792 [InterEventTime= 24.00]
043793 *****
043794 # T2
043898 R1978/C00020-----DtmIn-ID:HYD-----AREAh-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfms
043899 CONTINUOUS NASHYD 5.0 01192 109.81 .971 1978.0619 1:10 123.57 193 .000
043900 [Cm 72.0; Nm 3.00; Tm 2.34]
043901 [IARFC=24.00; SMIN= 39.75; SMAX=264.99; SR= 100]
043902 [InterEventTime= 24.00]
043903 *****
043904 # T3
043994 R1978/C00021-----DtmIn-ID:HYD-----AREAh-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfms
043995 CONTINUOUS NASHYD 5.0 01193 12.05 .260 1978.0619 2:34 119.75 187 .000
043996 [Cm 72.0; Nm 3.00; Tm 2.34]
043997 [IARFC=24.00; SMIN= 43.07; SMAX=287.10; SR= 100]
043998 [InterEventTime= 24.00]
043999 *****
044000 # T4
044001 *****
044002 R1978/C00022-----DtmIn-ID:HYD-----AREAh-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfms
044003 CONTINUOUS NASHYD 5.0 01194 65.89 .767 1978.0619 0:35 123.57 193 .000
044004 [Cm 72.0; Nm 3.00; Tm 2.34]
044005 [IARFC=24.00; SMIN= 39.75; SMAX=264.99; SR= 100]
044006 [InterEventTime= 24.00]
044007 *****
044008 # T5
044113 R1978/C00023-----DtmIn-ID:HYD-----AREAh-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfms
044114 CONTINUOUS NASHYD 5.0 01195 171.81 .943 1978.0619 1:50 107.66 169 .000
044115 [Cm 64.0; Nm 3.00; Tm 3.07]
044116 [IARFC=24.00; SMIN= 57.05; SMAX=380.32; SR= 100]
044117 [InterEventTime= 24.00]
044118 *****
044119 # T6
044229 R1978/C00024-----DtmIn-ID:HYD-----AREAh-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfms
044230 CONTINUOUS NASHYD 5.0 01196 40.00 .478 1978.0619 1:45 136.18 213 .000
044231 [Cm 77.0; Nm 3.00; Tm 2.98]
044232 [IARFC=24.00; SMIN= 39.75; SMAX=207.66; SR= 100]
044233 [InterEventTime= 24.00]
044234 *****
044235 # T7
044236 *****
044237 R1978/C00025-----DtmIn-ID:HYD-----AREAh-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfms
044238 CONTINUOUS NASHYD 5.0 01197 68.50 .541 1978.0619 1:25 123.57 193 .000
044239 [Cm 72.0; Nm 3.00; Tm 2.63]
044240 [IARFC=24.00; SMIN= 39.75; SMAX=264.99; SR= 100]
044241 [InterEventTime= 24.00]
044242 *****
044243 R1978/C00026-----DtmIn-ID:HYD-----AREAh-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfms
044244 ROUTE CHANNEL -> 5.0 02191 111.89 .942 1978.0619 0:30 100.06 n/a .000
044245 [RFD= 5.00] outc= 5.0 02191 111.89 .942 1978.0619 1:55 100.06 n/a .000
044246 [L/S= 2381./ 100./035]
044247 [Vmax= .372; Dmax= .326]
044248 R1978/C00027-----DtmIn-ID:HYD-----AREAh-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfms
044249 ADD HYD + 5.0 02191 111.89 .942 1978.0619 1:55 100.06 n/a .000
044250 + 5.0 02192 119.73 .478 1978.0619 1:55 92.06 n/a .000
044251 + 5.0 02193 39.07 .220 1978.0619 0:30 85.09 n/a .000
044252 [SUM= 5.0 01192 50.96 .315 1978.0619 0:45 92.06 n/a .000]
044253 R1978/C00028-----DtmIn-ID:HYD-----AREAh-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfms
044254 ROUTE CHANNEL -> 5.0 02192 270.69 .136 1978.0619 1:40 94.36 n/a .000
044255 [RFD= 5.00] outc= 5.0 02192 270.69 .136 1978.0619 1:55 94.36 n/a .000
044256 [L/S= 471./ 221./035]
044257 [Vmax= .461; Dmax= .391]
044258 R1978/C00029-----DtmIn-ID:HYD-----AREAh-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfms
044259 ADD HYD + 5.0 02193 270.69 .136 1978.0619 1:55 94.36 n/a .000
044260 + 5.0 02194 30.96 .315 1978.0619 0:45 92.06 n/a .000
044261 + 5.0 02195 321.65 1.448 1978.0619 1:40 93.99 n/a .000
044262 [SUM= 5.0 01193 12.05 .260 1978.0619 2:34 119.75 187 .000]
044263 R1978/C00030-----DtmIn-ID:HYD-----AREAh-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfms
044264 ROUTE CHANNEL -> 5.0 02193 321.65 1.448 1978.0619 1:40 93.99 n/a .000
044265 [RFD= 5.00] outc= 5.0 02193 321.65 1.448 1978.0619 2:10 93.99 n/a .000
044266 [L/S= 784./ 100./035]
044267 [Vmax= .317; Dmax= .293]
044268 R1978/C00031-----DtmIn-ID:HYD-----AREAh-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfms
044269 ROUTE CHANNEL -> 5.0 02193 1.55 .041 1978.0619 2:30 95.89 n/a .000
044270 [RFD= 5.00] outc= 5.0 02194 1.55 .023 1978.0619 2:34 95.89 n/a .000
044271 [L/S= 091./ 720./035]
044272 [Vmax= .297; Dmax= .396]
044273 R1978/C00032-----DtmIn-ID:HYD-----AREAh-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfms
044274 ADD HYD + 5.0 02194 1.55 .023 1978.0619 2:34 95.89 n/a .000
044275 + 5.0 02195 321.65 1.448 1978.0619 2:10 93.99 n/a .000
044276 + 5.0 02196 56.26 .358 1978.0619 0:55 95.89 n/a .000
044277 [SUM= 5.0 01194 379.46 1.655 1978.0619 2:00 94.28 n/a .000]
044278 R1978/C00033-----DtmIn-ID:HYD-----AREAh-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfms
044279 ROUTE CHANNEL -> 5.0 02194 379.46 1.655 1978.0619 2:00 94.28 n/a .000
044280 [RFD= 5.00] outc= 5.0 02195 379.46 1.622 1978.0619 2:15 94.28 n/a .000
044281 [L/S= 564./ 157./035]
044282 [Vmax= .457; Dmax= .371]
044283 R1978/C00034-----DtmIn-ID:HYD-----AREAh-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfms
044284 ADD HYD + 5.0 02195 379.46 1.622 1978.0619 2:15 94.28 n/a .000
044285 + 5.0 02196 379.46 1.622 1978.0619 2:15 94.28 n/a .000
044286 + 5.0 02197 388 143 130 184 36 60 0
044287 [SUM= 5.0 01195 21.98 .543 1978.0619 0:30 101.85 n/a .000]
044288 R1978/C00035-----DtmIn-ID:HYD-----AREAh-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfms
044289 ROUTE CHANNEL -> 5.0 02197 60.46 .388 1978.0619 0:35 89.64 n/a .000
044290 [RFD= 5.00] outc= 5.0 02196 60.46 .388 1978.0619 0:55 89.64 n/a .000
044291 [L/S= 871./ 343./035]
044292 [Vmax= .578; Dmax= .291]
044293 R1978/C00036-----DtmIn-ID:HYD-----AREAh-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfms
044294 ROUTE CHANNEL -> 5.0 02197 7.62 .128 1978.0619 2:34 106.07 n/a .000
044295 [RFD= 5.00] outc= 5.0 02197 7.62 .087 1978.0619 0:25 106.07 n/a .000
044296 [L/S= 651./ 258./035]
044297 [Vmax= .193; Dmax= .105]
044298 R1978/C00037-----DtmIn-ID:HYD-----AREAh-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfms
044299 ROUTE CHANNEL -> 5.0 02197 17.96 .157 1978.0619 0:30 100.06 n/a .000
044300 [RFD= 5.00] outc= 5.0 02198 17.96 .157 1978.0619 0:35 100.06 n/a .000
044301 [L/S= 181./ 339./035]
044302 [Vmax= .427; Dmax= .218]
044303 R1978/C00038-----DtmIn-ID:HYD-----AREAh-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfms
044304 ADD HYD + 5.0 02197 7.62 .087 1978.0619 0:25 106.07 n/a .000
044305 + 5.0 02198 17.96 .157 1978.0619 0:35 100.06 n/a .000
044306 [SUM= 5.0 01196 25.98 .243 1978.0619 0:30 101.85 n/a .000]
044307 R1978/C00039-----DtmIn-ID:HYD-----AREAh-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfms
044308 ROUTE CHANNEL -> 5.0 02198 25.98 .243 1978.0619 0:30 101.85 n/a .000
044309 [RFD= 5.00] outc= 5.0 02189 25.98 .240 1978.0619 0:40 101.85 n/a .000
044310 [L/S= 366./ 419./036]
044311 [Vmax= .510; Dmax= .185]
044312 R1978/C00040-----DtmIn-ID:HYD-----AREAh-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfms
044313 ADD HYD + 5.0 02186 60.46 .370 1978.0619 0:55 89.64 n/a .000

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045010 + 5.0 02189 25.98 .240 1978.0619 0:40 101.85 n/a .000
045011 + 5.0 02194 60.46 .370 1978.0619 0:20 87.23 n/a .000
045012 + 5.0 02184 1.55 .023 1978.0619 2:34 95.89 n/a .000
045013 + 5.0 02192 60.46 .370 1978.0619 0:20 100.06 n/a .000
045014 + 5.0 02197 148.73 1.251 1978.0619 0:20 96.03 n/a .000
045015 [I/S= 1182./ 100./035]
045016 R1978/C00041-----DtmIn-ID:HYD-----AREAh-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfms
045017 SAVE HYD 5.0 01 CATCHMENT 148.73 1.251 1978.0619 0:20 96.03 n/a .000
045018 frame: CATCHMENT.1978
045019 remark:Total Pre Dev Runoff From Site
045020 R1978/C00042-----DtmIn-ID:HYD-----AREAh-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfms
045021 ADD HYD + 5.0 02197 379.46 1.622 1978.0619 2:15 94.28 n/a .000
045022 + 5.0 02198 60.46 .370 1978.0619 0:55 89.64 n/a .000
045023 + 5.0 02189 25.98 .240 1978.0619 0:40 101.85 n/a .000
045024 + 5.0 02194 60.46 .370 1978.0619 0:20 87.23 n/a .000
045025 + 5.0 02197 148.73 1.251 1978.0619 0:20 96.03 n/a .000
045026 [SUM= 5.0 01191 526.62 2.279 1978.0619 1:30 94.77 n/a .000]
045027 R1978/C00043-----DtmIn-ID:HYD-----AREAh-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfms
045028 ROUTE CHANNEL -> 5.0 02111 526.62 2.279 1978.0619 1:30 94.77 n/a .000
045029 [RFD= 5.00] outc= 5.0 02110 526.62 2.263 1978.0619 1:40 94.77 n/a .000
045030 [L/S= 308./ 100./035]
045031 [Vmax= .372; Dmax= .326]
045032 R1978/C00044-----DtmIn-ID:HYD-----AREAh-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfms
045033 ADD HYD + 5.0 02110 526.62 2.263 1978.0619 1:40 94.77 n/a .000
045034 + 5.0 02196 25.98 .240 1978.0619 0:40 104.52 n/a .000
045035 + 5.0 02188 14.26 .293 1978.0619 2:35 138.50 n/a .000
045036 [SUM= 5.0 01192 566.50 2.549 1978.0619 1:25 96.31 n/a .000]
045037 R1978/C00045-----DtmIn-ID:HYD-----AREAh-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfms
045038 EROSION INDEX 5.0 01192 566.50 019 8040.50 156.50 1.95 1.6 .1658+06
045039 [Cm= 175]
045040 R1978/C00046-----DtmIn-ID:HYD-----AREAh-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfms
045041 SAVE HYD 5.0 01192 566.50 2.549 1978.0619 1:25 96.31 n/a .000
045042 frame: 1212.1978
045043 remark:1212 - GSK Erosion Node MC-3
045044 R1978/C00047-----DtmIn-ID:HYD-----AREAh-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfms
045045 ROUTE CHANNEL -> 5.0 02112 566.50 2.549 1978.0619 1:25 96.31 n/a .000
045046 [RFD= 5.00] outc= 5.0 01181 566.50 2.306 1978.0619 2:10 96.31 n/a .000
045047 [L/S= 1015./ 100./035]
045048 [Vmax= .385; Dmax= .440]
045049 R1978/C00048-----DtmIn-ID:HYD-----AREAh-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfms
045050 ADD HYD + 5.0 02124 65.89 .767 1978.0619 0:25 119.75 n/a .000
045051 + 5.0 02175 171.81 .943 1978.0619 1:50 107.66 n/a .000
045052 + 5.0 02112 201.13 1.929 1978.0619 0:35 121.84 n/a .000
045053 [SUM= 5.0 01194 438.81 3.507 1978.0619 0:55 116.55 n/a .000]
045054 R1978/C00051-----DtmIn-ID:HYD-----AREAh-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfms
045055 ROUTE CHANNEL -> 5.0 02112 438.81 3.507 1978.0619 0:55 116.55 n/a .000
045056 [RFD= 5.00] outc= 5.0 01183 438.81 3.304 1978.0619 2:40 116.54 n/a .000
045057 [L/S= 1015./ 100./035]
045058 [Vmax= .373; Dmax= 1.078]
045059 R1978/C00052-----DtmIn-ID:HYD-----AREAh-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfms
045060 ADD HYD + 5.0 02174 65.89 .767 1978.0619 0:25 119.75 n/a .000
045061 + 5.0 02177 171.81 .943 1978.0619 1:50 107.66 n/a .000
045062 + 5.0 02112 201.13 1.929 1978.0619 0:35 121.84 n/a .000
045063 + 5.0 02181 566.50 2.306 1978.0619 2:10 96.31 n/a .000
045064 + 5.0 02193 438.81 3.304 1978.0619 2:40 116.54 n/a .000
045065 [SUM= 5.0 01195 1181.27 6.830 1978.0619 0:40 116.55 n/a .000]
045066 [RFD= 5.00] outc= 5.0 01184 1181.27 6.729 1978.0619 2:00 108.85 n/a .000
045067 [L/S= 556./ 100./035]
045068 [Vmax= .474; Dmax= .430]
045069 R1978/C00054-----DtmIn-ID:HYD-----AREAh-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfms
045070 ADD HYD + 5.0 02184 1181.27 6.729 1978.0619 2:00 108.85 n/a .000
045071 [RFD= 5.00] outc= 5.0 01007 1205.51 6.830 1978.0619 1:55 109.19 n/a .000
045072 [SUM= 5.0 01007 1205.51 6.830 1978.0619 1:55 109.19 n/a .000]
045073 *****
045074 *****
045075 *****
045076 *****
045077 *****
045078 *****
045079 *****
045080 *****
045081 *****
045082 *****
045083 *****
045084 *****
045085 *****
045086 *****
045087 *****
045088 [ZERO = .00 hrs on 19790101]
045089 [NETOUT = 2 (1=stepfall, 2=metric output)]
045090 [NETSUM = 0]
045091 [NRUN = 1979]
045092 *****
045093 # SWGMYO / INPUT DATA FILE
045094 *****
045095 Project Name [Tamasack Richmond]
045096 Project Number [22011601]
045097 Date [2001.07.23]
045098 Modeler [JMS and GS]
045099 Company [JFS Canada Inc.]
045100 License # [2284937]
045101 *****
045102 # SUMMER CONDITIONS MODEL
045103 # Model developed to simulate runoff from subcatchments under pre development conditions
045104 *****
045105 *****
045106 *****
045107 *****
045108 *****
045109 *****
045110 *****
045111 *****
045112 *****
045113 *****
045114 *****
045115 *****
045116 *****
045117 *****
045118 *****
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045194 *****
045195 *****
045196 *****
045197 *****
045198 *****
045199 *****
045200 *****

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04681# # M2
04682# *****
04683# 1919#C00101-----DtmIn-ID:HYND-----AREAbA-OPEARcGns-TPeakDate h:hm:ms-----RvMm-R.C-----DWfMcs
CONTINUOUS NASHVD 5.0 01:02 79.69 1.97 1979.0914:19:00 203.50 235 .000
[Chk 5.0: Nm 3.00: Tm 1.68]
04684# [IARc=24.00: SMIN=91.01: SMAX=606.70: SRc= 100]
04685# *****
04686# *****
04687# *****
04688# *****
04689# # M3
04690# *****
04691# 1919#C0011-----DtmIn-ID:HYND-----AREAbA-OPEARcGns-TPeakDate h:hm:ms-----RvMm-R.C-----DWfMcs
CONTINUOUS NASHVD 5.0 01:02 39.07 .329 1979.0612:21:25 189.83 219 .000
[Chk 46.0: Nm 3.00: Tm 1.68]
04692# [IARc=24.00: SMIN=122.19: SMAX=807.93: SRc= 100]
04693# *****
04694# *****
04695# *****
04696# *****
04697# # M4
04698# *****
04699# 1919#C0012-----DtmIn-ID:HYND-----AREAbA-OPEARcGns-TPeakDate h:hm:ms-----RvMm-R.C-----DWfMcs
CONTINUOUS NASHVD 5.0 01:02 50.96 .457 1979.0616:21:40 203.50 235 .000
[Chk 53.0: Nm 3.00: Tm 1.95]
04700# [IARc=24.00: SMIN=91.01: SMAX=606.70: SRc= 100]
04701# *****
04702# *****
04703# *****
04704# *****
04705# # M5
04706# *****
04707# 1919#C0013-----DtmIn-ID:HYND-----AREAbA-OPEARcGns-TPeakDate h:hm:ms-----RvMm-R.C-----DWfMcs
CONTINUOUS NASHVD 5.0 01:05 56.26 .516 1979.0616:21:50 210.73 243 .000
[Chk 54.0: Nm 3.00: Tm 2.09]
04710# [IARc=24.00: SMIN=73.63: SMAX=531.24: SRc= 100]
04711# *****
04712# *****
04713# # M6
04714# *****
04715# 1919#C0014-----DtmIn-ID:HYND-----AREAbA-OPEARcGns-TPeakDate h:hm:ms-----RvMm-R.C-----DWfMcs
CONTINUOUS NASHVD 5.0 01:06 25.62 .313 1979.0616:21:35 226.10 261 .000
[Chk 62.0: Nm 3.00: Tm 1.82]
04716# [IARc=24.00: SMIN=61.90: SMAX=412.66: SRc= 100]
04717# *****
04718# *****
04719# *****
04720# *****
04721# # M7
04722# *****
04723# 1919#C0015-----DtmIn-ID:HYND-----AREAbA-OPEARcGns-TPeakDate h:hm:ms-----RvMm-R.C-----DWfMcs
CONTINUOUS NASHVD 5.0 01:07 47.26 .643 1979.0616:22:00 271.63 313 .000
[Chk 70.0: Nm 3.00: Tm 2.49]
04724# [IARc=24.00: SMIN=33.81: SMAX=225.43: SRc= 100]
04725# *****
04726# *****
04727# *****
04728# *****
04729# # M8
04730# *****
04731# 1919#C0016-----DtmIn-ID:HYND-----AREAbA-OPEARcGns-TPeakDate h:hm:ms-----RvMm-R.C-----DWfMcs
CONTINUOUS NASHVD 5.0 01:07 14.26 .397 1979.0616:20:50 202.56 226 .000
[Chk 78.0: Nm 3.00: Tm 1.13]
04732# [IARc=24.00: SMIN=29.88: SMAX=199.22: SRc= 100]
04733# *****
04734# *****
04735# *****
04736# *****
04737# # M9
04738# *****
04739# 1919#C0017-----DtmIn-ID:HYND-----AREAbA-OPEARcGns-TPeakDate h:hm:ms-----RvMm-R.C-----DWfMcs
CONTINUOUS NASHVD 5.0 01:07 24.89 .603 1979.0616:20:50 261.39 302 .000
[Chk 73.0: Nm 3.00: Tm 1.13]
04740# [IARc=24.00: SMIN=39.11: SMAX=254.55: SRc= 100]
04741# *****
04742# *****
04743# *****
04744# *****
04745# # SITE
04746# *****
04747# 1919#C0018-----DtmIn-ID:HYND-----AREAbA-OPEARcGns-TPeakDate h:hm:ms-----RvMm-R.C-----DWfMcs
CONTINUOUS NASHVD 5.0 01:07 60.48 1.047 1979.0616:20:55 218.27 252 .000
[Chk 59.0: Nm 3.00: Tm 1.16]
04750# [IARc=24.00: SMIN=70.11: SMAX=467.39: SRc= 100]
04751# *****
04752# *****
04753# *****
04754# # T1
04755# *****
04756# 1919#C0019-----DtmIn-ID:HYND-----AREAbA-OPEARcGns-TPeakDate h:hm:ms-----RvMm-R.C-----DWfMcs
CONTINUOUS NASHVD 5.0 01:11 79.25 1.316 1979.0616:21:20 251.65 290 .000
[IARc=24.00: SMIN=43.07: SMAX=287.10: SRc= 100]
04757# *****
04758# *****
04759# *****
04760# *****
04761# # T2
04762# *****
04763# 1919#C0020-----DtmIn-ID:HYND-----AREAbA-OPEARcGns-TPeakDate h:hm:ms-----RvMm-R.C-----DWfMcs
CONTINUOUS NASHVD 5.0 01:12 109.81 1.353 1979.0616:22:05 258.09 298 .000
[Chk 72.0: Nm 3.00: Tm 1.49]
04764# [IARc=24.00: SMIN=39.75: SMAX=264.99: SRc= 100]
04765# *****
04766# *****
04767# *****
04768# *****
04769# # T3
04770# *****
04771# 1919#C0021-----DtmIn-ID:HYND-----AREAbA-OPEARcGns-TPeakDate h:hm:ms-----RvMm-R.C-----DWfMcs
CONTINUOUS NASHVD 5.0 01:12 12.05 .356 1979.0616:20:40 251.65 290 .000
[Chk 70.0: Nm 3.00: Tm .87]
04772# [IARc=24.00: SMIN=43.07: SMAX=287.10: SRc= 100]
04773# *****
04774# *****
04775# *****
04776# *****
04777# # T4
04778# *****
04779# 1919#C0022-----DtmIn-ID:HYND-----AREAbA-OPEARcGns-TPeakDate h:hm:ms-----RvMm-R.C-----DWfMcs
CONTINUOUS NASHVD 5.0 01:14 45.94 1.067 1979.0616:21:30 258.09 298 .000
[Chk 72.0: Nm 3.00: Tm 1.76]
04780# [IARc=24.00: SMIN=39.75: SMAX=264.99: SRc= 100]
04781# *****
04782# *****
04783# *****
04784# *****
04785# # T5
04786# *****
04787# 1919#C0023-----DtmIn-ID:HYND-----AREAbA-OPEARcGns-TPeakDate h:hm:ms-----RvMm-R.C-----DWfMcs
CONTINUOUS NASHVD 5.0 01:15 171.81 1.484 1979.0914:18:50 231.49 267 .000
[Chk 64.0: Nm 3.00: Tm 3.07]
04789# [IARc=24.00: SMIN=39.75: SMAX=380.32: SRc= 100]
04790# *****
04791# *****
04792# *****
04793# *****
04794# # T6
04795# *****
04796# 1919#C0024-----DtmIn-ID:HYND-----AREAbA-OPEARcGns-TPeakDate h:hm:ms-----RvMm-R.C-----DWfMcs
CONTINUOUS NASHVD 5.0 01:16 60.20 .690 1979.0914:18:35 278.83 322 .000
[Chk 77.0: Nm 3.00: Tm 1.82]
04797# [IARc=24.00: SMIN=31.15: SMAX=207.66: SRc= 100]
04798# *****
04799# *****
04800# *****
04801# # T7
04802# *****
04803# 1919#C0025-----DtmIn-ID:HYND-----AREAbA-OPEARcGns-TPeakDate h:hm:ms-----RvMm-R.C-----DWfMcs
CONTINUOUS NASHVD 5.0 01:17 68.50 .759 1979.0914:18:15 258.09 298 .000
[Chk 72.0: Nm 3.00: Tm 1.63]
04804# [IARc=24.00: SMIN=39.75: SMAX=264.99: SRc= 100]
04805# *****
04806# *****
04807# *****
04808# *****
04809# 1919#C0026-----DtmIn-ID:HYND-----AREAbA-OPEARcGns-TPeakDate h:hm:ms-----RvMm-R.C-----DWfMcs
ROUTE CHANNEL 5.0 01:01 111.89 .887 1979.0914:18:50 218.25 n/a .000
[RD= 5.0:01 out< 5.0 01:01]
04810# [IARc=24.00: SMIN=91.01: SMAX=606.70: SRc= 100]
04811# *****
04812# *****
04813# *****
04814# *****
04815# 1919#C0027-----DtmIn-ID:HYND-----AREAbA-OPEARcGns-TPeakDate h:hm:ms-----RvMm-R.C-----DWfMcs
ADD HYD 5.0 02:01 111.89 .887 1979.0914:18:50 218.25 n/a .000
04816# *****
04817# *****
04818# *****
04819# *****
04820# 1919#C0028-----DtmIn-ID:HYND-----AREAbA-OPEARcGns-TPeakDate h:hm:ms-----RvMm-R.C-----DWfMcs
ROUTE CHANNEL 5.0 01:02 270.69 1.912 1979.0914:18:40 207.62 n/a .000
[RD= 5.0:01 out< 5.0 01:02]
04821# [IARc=24.00: SMIN=91.01: SMAX=606.70: SRc= 100]
04822# *****
04823# *****
04824# *****
04825# 1919#C0029-----DtmIn-ID:HYND-----AREAbA-OPEARcGns-TPeakDate h:hm:ms-----RvMm-R.C-----DWfMcs
ADD HYD 5.0 02:02 50.96 .457 1979.0616:21:40 203.50 n/a .000
04826# *****
04827# *****
04828# *****
04829# *****
04830# 1919#C0030-----DtmIn-ID:HYND-----AREAbA-OPEARcGns-TPeakDate h:hm:ms-----RvMm-R.C-----DWfMcs
ROUTE CHANNEL 5.0 01:23 321.65 2.288 1979.0914:18:40 206.97 n/a .000
[RD= 5.0:01 out< 5.0 01:23]
04831# [IARc=24.00: SMIN=91.01: SMAX=606.70: SRc= 100]
04832# *****
04833# *****
04834# *****
04835# 1919#C0031-----DtmIn-ID:HYND-----AREAbA-OPEARcGns-TPeakDate h:hm:ms-----RvMm-R.C-----DWfMcs
ROUTE CHANNEL 5.0 02:02 1.55 .055 1979.0616:20:15 210.73 n/a .000
[RD= 5.0:01 out< 5.0 02:02]
04836# [IARc=24.00: SMIN=91.01: SMAX=606.70: SRc= 100]
04837# *****
04838# *****
04839# *****
04840# 1919#C0032-----DtmIn-ID:HYND-----AREAbA-OPEARcGns-TPeakDate h:hm:ms-----RvMm-R.C-----DWfMcs
ADD HYD 5.0 02:04 1.55 .054 1979.0616:20:40 210.73 n/a .000
04841# *****
04842# *****
04843# *****
04844# *****
04845# 1919#C0033-----DtmIn-ID:HYND-----AREAbA-OPEARcGns-TPeakDate h:hm:ms-----RvMm-R.C-----DWfMcs
ROUTE CHANNEL 5.0 02:24 379.46 2.706 1979.0914:18:50 207.54 n/a .000
[RD= 5.0:01 out< 5.0 02:24]
04846# [IARc=24.00: SMIN=91.01: SMAX=606.70: SRc= 100]
04847# *****
04848# *****
04849# *****
04850# 1919#C0034-----DtmIn-ID:HYND-----AREAbA-OPEARcGns-TPeakDate h:hm:ms-----RvMm-R.C-----DWfMcs
ADD HYD 5.0 02:05 379.46 2.691 1979.0914:19:05 207.54 n/a .000
04851# *****
04852# *****
04853# *****
04854# *****
04855# 1919#C0035-----DtmIn-ID:HYND-----AREAbA-OPEARcGns-TPeakDate h:hm:ms-----RvMm-R.C-----DWfMcs
ROUTE CHANNEL 5.0 01:07 7.42 .180 1979.0616:20:40 228.76 n/a .000
[RD= 5.0:01 out< 5.0 01:07]
04856# [IARc=24.00: SMIN=91.01: SMAX=606.70: SRc= 100]
04857# *****
04858# *****
04859# *****
04860# *****

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05761 # EXT1
05762 *****
05763 R1982.C00004-----DtmIn-ID:HYD-----AREAh-QFEARcMs-TPeakDate h:hm:--RvM-R-C---DWfMcs
05764 CONTINUOUS NASHYD 5.0 01:EXT1 60.46 .310 1982.0825.18:55 77.97 131 .000
05765 [Cm 58.0: Nm 3.00: Tpe 1.75]
05766 [IaRC=24.00: SMIN= 99.77: SMAX=665.12: Etc= 100]
05767 *****
05768 # EXT2
05769 *****
05770 R1982.C00005-----DtmIn-ID:HYD-----AREAh-QFEARcMs-TPeakDate h:hm:--RvM-R-C---DWfMcs
05771 CONTINUOUS NASHYD 5.0 01:EXT2 7.62 .073 1982.0825.17:40 90.31 151 .000
05772 [Cm 63.0: Nm 3.00: Tpe .92]
05773 [IaRC=24.00: SMIN= 59.42: SMAX=396.11: Etc= 100]
05774 *****
05775 # EXT3
05776 *****
05777 R1982.C00006-----DtmIn-ID:HYD-----AREAh-QFEARcMs-TPeakDate h:hm:--RvM-R-C---DWfMcs
05778 CONTINUOUS NASHYD 5.0 01:EXT3 37.96 -.121 1982.0825.18:45 85.88 144 .000
05779 [Cm 59.0: Nm 3.00: Tpe 1.64]
05780 [IaRC=24.00: SMIN= 70.11: SMAX=467.39: Etc= 100]
05781 *****
05782 # EXT4
05783 *****
05784 R1982.C00007-----DtmIn-ID:HYD-----AREAh-QFEARcMs-TPeakDate h:hm:--RvM-R-C---DWfMcs
05785 CONTINUOUS NASHYD 5.0 01:EXT4 .64 .005 1982.0825.17:15 76.16 128 .000
05786 [Cm 41.0: Nm 3.00: Tpe .43]
05787 [IaRC=24.00: SMIN=101.91: SMAX=731.60: Etc= 100]
05788 *****
05789 # EXT5
05790 *****
05791 R1982.C00008-----DtmIn-ID:HYD-----AREAh-QFEARcMs-TPeakDate h:hm:--RvM-R-C---DWfMcs
05792 CONTINUOUS NASHYD 5.0 01:EXT5 1.55 .016 1982.0825.17:15 82.78 139 .000
05793 [Cm 56.0: Nm 3.00: Tpe .46]
05794 [IaRC=24.00: SMIN= 79.69: SMAX=531.24: Etc= 100]
05795 *****
05796 # M1
05797 *****
05798 R1982.C00009-----DtmIn-ID:HYD-----AREAh-QFEARcMs-TPeakDate h:hm:--RvM-R-C---DWfMcs
05799 CONTINUOUS NASHYD 5.0 01:M1 111.89 .740 1982.0825.18:50 85.88 144 .000
05800 [Cm 58.0: Nm 3.00: Tpe 1.71]
05801 [IaRC=24.00: SMIN= 70.11: SMAX=467.39: Etc= 100]
05802 *****
05803 # M2
05804 *****
05805 R1982.C00010-----DtmIn-ID:HYD-----AREAh-QFEARcMs-TPeakDate h:hm:--RvM-R-C---DWfMcs
05806 CONTINUOUS NASHYD 5.0 01:M2 119.73 .493 1982.0825.20:40 79.95 134 .000
05807 [Cm 53.0: Nm 3.00: Tpe 3.12]
05808 [IaRC=24.00: SMIN= 91.01: SMAX=606.70: Etc= 100]
05809 *****
05810 # M3
05811 *****
05812 R1982.C00011-----DtmIn-ID:HYD-----AREAh-QFEARcMs-TPeakDate h:hm:--RvM-R-C---DWfMcs
05813 CONTINUOUS NASHYD 5.0 01:M3 39.07 -.177 1982.0825.18:50 76.41 128 .000
05814 [Cm 46.0: Nm 3.00: Tpe 1.68]
05815 [IaRC=24.00: SMIN= 80.93: SMAX=807.93: Etc= 100]
05816 *****
05817 # M4
05818 *****
05819 R1982.C00012-----DtmIn-ID:HYD-----AREAh-QFEARcMs-TPeakDate h:hm:--RvM-R-C---DWfMcs
05820 CONTINUOUS NASHYD 5.0 01:M4 50.96 .265 1982.0825.19:15 79.85 134 .000
05821 [Cm 51.0: Nm 3.00: Tpe 1.95]
05822 [IaRC=24.00: SMIN= 91.01: SMAX=606.70: Etc= 100]
05823 *****
05824 # M5
05825 *****
05826 R1982.C00013-----DtmIn-ID:HYD-----AREAh-QFEARcMs-TPeakDate h:hm:--RvM-R-C---DWfMcs
05827 CONTINUOUS NASHYD 5.0 01:M5 56.26 .310 1982.0825.19:25 82.78 139 .000
05828 [Cm 56.0: Nm 3.00: Tpe 2.09]
05829 [IaRC=24.00: SMIN= 79.69: SMAX=531.24: Etc= 100]
05830 *****
05831 # M6
05832 *****
05833 R1982.C00014-----DtmIn-ID:HYD-----AREAh-QFEARcMs-TPeakDate h:hm:--RvM-R-C---DWfMcs
05834 CONTINUOUS NASHYD 5.0 01:M6 25.62 .178 1982.0825.19:00 89.17 150 .000
05835 [Cm 62.0: Nm 3.00: Tpe 1.83]
05836 [IaRC=24.00: SMIN= 61.90: SMAX=412.66: Etc= 100]
05837 *****
05838 # M7
05839 *****
05840 R1982.C00015-----DtmIn-ID:HYD-----AREAh-QFEARcMs-TPeakDate h:hm:--RvM-R-C---DWfMcs
05841 CONTINUOUS NASHYD 5.0 01:M7 47.26 .409 1982.0825.19:30 109.81 184 .000
05842 [Cm 75.0: Nm 3.00: Tpe 2.29]
05843 [IaRC=24.00: SMIN= 39.81: SMAX=225.43: Etc= 100]
05844 *****
05845 # M8
05846 *****
05847 R1982.C00016-----DtmIn-ID:HYD-----AREAh-QFEARcMs-TPeakDate h:hm:--RvM-R-C---DWfMcs
05848 CONTINUOUS NASHYD 5.0 01:M8 24.24 .278 1982.0825.17:50 104.87 176 .000
05849 [Cm 71.0: Nm 3.00: Tpe 1.13]
05850 [IaRC=24.00: SMIN= 39.75: SMAX=254.55: Etc= 100]
05851 *****
05852 # M9
05853 *****
05854 R1982.C00017-----DtmIn-ID:HYD-----AREAh-QFEARcMs-TPeakDate h:hm:--RvM-R-C---DWfMcs
05855 CONTINUOUS NASHYD 5.0 01:M9 60.48 .474 1982.0825.18:05 85.88 144 .000
05856 [Cm 70.0: Nm 3.00: Tpe 1.83]
05857 [IaRC=24.00: SMIN= 70.11: SMAX=467.39: Etc= 100]
05858 *****
05859 # M10
05860 *****
05861 R1982.C00018-----DtmIn-ID:HYD-----AREAh-QFEARcMs-TPeakDate h:hm:--RvM-R-C---DWfMcs
05862 CONTINUOUS NASHYD 5.0 01:M10 79.25 .720 1982.0825.18:35 100.46 169 .000
05863 [Cm 71.0: Nm 3.00: Tpe 1.64]
05864 [IaRC=24.00: SMIN= 43.07: SMAX=287.10: Etc= 100]
05865 *****
05866 # M11
05867 *****
05868 R1982.C00019-----DtmIn-ID:HYD-----AREAh-QFEARcMs-TPeakDate h:hm:--RvM-R-C---DWfMcs
05869 CONTINUOUS NASHYD 5.0 01:M11 109.81 .866 1982.0825.19:35 103.31 173 .000
05870 [Cm 72.0: Nm 3.00: Tpe 2.34]
05871 [IaRC=24.00: SMIN= 39.75: SMAX=264.99: Etc= 100]
05872 *****
05873 # M12
05874 *****
05875 R1982.C00020-----DtmIn-ID:HYD-----AREAh-QFEARcMs-TPeakDate h:hm:--RvM-R-C---DWfMcs
05876 CONTINUOUS NASHYD 5.0 01:M12 60.20 .464 1982.0825.20:20 113.32 190 .000
05877 [Cm 71.0: Nm 3.00: Tpe 1.88]
05878 [IaRC=24.00: SMIN= 31.15: SMAX=207.66: Etc= 100]
05879 *****
05880 # M13
05881 *****
05882 R1982.C00021-----DtmIn-ID:HYD-----AREAh-QFEARcMs-TPeakDate h:hm:--RvM-R-C---DWfMcs
05883 CONTINUOUS NASHYD 5.0 01:M13 68.50 .506 1982.0825.19:55 103.31 173 .000
05884 [Cm 72.0: Nm 3.00: Tpe 2.63]
05885 [IaRC=24.00: SMIN= 39.75: SMAX=264.99: Etc= 100]
05886 *****
05887 # M14
05888 *****
05889 R1982.C00022-----DtmIn-ID:HYD-----AREAh-QFEARcMs-TPeakDate h:hm:--RvM-R-C---DWfMcs
05890 CONTINUOUS NASHYD 5.0 01:M14 65.89 .604 1982.0825.18:45 103.31 173 .000
05891 [Cm 72.0: Nm 3.00: Tpe 1.76]
05892 [IaRC=24.00: SMIN= 39.75: SMAX=264.99: Etc= 100]
05893 *****
05894 # M15
05895 *****
05896 R1982.C00023-----DtmIn-ID:HYD-----AREAh-QFEARcMs-TPeakDate h:hm:--RvM-R-C---DWfMcs
05897 CONTINUOUS NASHYD 5.0 01:M15 171.81 .944 1982.0825.20:30 91.47 153 .000
05898 [Cm 64.0: Nm 3.00: Tpe 1.72]
05899 [IaRC=24.00: SMIN= 57.05: SMAX=380.32: Etc= 100]
05900 *****
05901 # M16
05902 *****
05903 R1982.C00024-----DtmIn-ID:HYD-----AREAh-QFEARcMs-TPeakDate h:hm:--RvM-R-C---DWfMcs
05904 CONTINUOUS NASHYD 5.0 01:M16 60.20 .464 1982.0825.20:20 113.32 190 .000
05905 [Cm 71.0: Nm 3.00: Tpe 1.88]
05906 [IaRC=24.00: SMIN= 31.15: SMAX=207.66: Etc= 100]
05907 *****
05908 # M17
05909 *****
05910 R1982.C00025-----DtmIn-ID:HYD-----AREAh-QFEARcMs-TPeakDate h:hm:--RvM-R-C---DWfMcs
05911 CONTINUOUS NASHYD 5.0 01:M17 68.50 .506 1982.0825.19:55 103.31 173 .000
05912 [Cm 72.0: Nm 3.00: Tpe 2.63]
05913 [IaRC=24.00: SMIN= 39.75: SMAX=264.99: Etc= 100]
05914 *****
05915 # M18
05916 *****
05917 R1982.C00026-----DtmIn-ID:HYD-----AREAh-QFEARcMs-TPeakDate h:hm:--RvM-R-C---DWfMcs
05918 ROUTE CHANNEL -> 5.0 02:M18 111.89 .740 1982.0825.18:50 85.88 n/a .000
05919 [RDF= 5.00] outc-> 5.0 01:R18 111.89 .561 1982.0825.20:30 85.88 n/a .000
05920 [L/S/N= 281.7 / 100.0/035]

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06121 1981005 19830921 19830911 19831006 19831006 19831006 19831006 19831006 19831008 date
06122 Number of rainfall following interval time
06123 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
06124 142 115 103 85 70 50 45 35
06125 Number of events with at least the following durations
06126 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
06127 141 114 102 84 69 50 40 30
06128 R1983:CO0007
06129 COMPUTE AP
06130 [APTime 40.00; APTime = 8000; APTime = 9907]
06131 [APTime 57.49; APTime = 7.31; APTime = 0]
06132 =====
06133 #
06134 # Pre-Development Conditions
06135 #
06136 #
06137 # EXT1
06138 #
06139 R1983:CO0004 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
06140 CONTINUOUS NASHYD 5.0 01:EXT1 60.46 .449 1983.1005_21:05 83.30 1.60 .000
06141 [Cm 51.0; N= 3.00; Tm= 1.75]
06142 [IARE=24.00; SMIN= 39.71; SMA=65.12; SK= 100]
06143 [InterEventTime= 24.00]
06144 #
06145 # EXT2
06146 #
06147 R1983:CO0005 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
06148 CONTINUOUS NASHYD 5.0 01:EXT2 7.62 .100 1983.1005_21:40 107.37 1.83 .000
06149 [Cm 61.0; N= 3.00; Tm= .92]
06150 [IARE=24.00; SMIN= 39.42; SMA=396.11; SK= 100]
06151 [InterEventTime= 24.00]
06152 #
06153 # EXT3
06154 #
06155 R1983:CO0006 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
06156 CONTINUOUS NASHYD 5.0 01:EXT3 17.96 .170 1983.1005_22:50 102.57 1.75 .000
06157 [Cm 59.0; N= 3.00; Tm= 1.44]
06158 [IARE=24.00; SMIN= 10.11; SMA=467.39; SK= 100]
06159 [InterEventTime= 24.00]
06160 #
06161 # EXT4
06162 #
06163 R1983:CO0007 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
06164 CONTINUOUS NASHYD 5.0 01:EXT4 .64 .007 1983.1005_21:15 91.93 1.57 .000
06165 [Cm 46.0; N= 3.00; Tm= .43]
06166 [IARE=24.00; SMIN=10.74; SMA=731.60; SK= 100]
06167 [InterEventTime= 24.00]
06168 #
06169 # EXT5
06170 #
06171 R1983:CO0008 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
06172 CONTINUOUS NASHYD 5.0 01:EXT5 1.55 .022 1983.1005_21:15 99.20 1.69 .000
06173 [Cm 56.0; N= 3.00; Tm= .44]
06174 [IARE=24.00; SMIN= 79.69; SMA=531.24; SK= 100]
06175 [InterEventTime= 24.00]
06176 #
06177 #
06178 R1983:CO0009 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
06179 CONTINUOUS NASHYD 5.0 01:EXT6 111.89 1.038 1983.1005_23:00 102.57 1.75 .000
06180 [Cm 59.0; N= 3.00; Tm= 1.71]
06181 [IARE=24.00; SMIN= 91.01; SMA=467.39; SK= 100]
06182 [InterEventTime= 24.00]
06183 #
06184 #
06185 R1983:CO0010 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
06186 CONTINUOUS NASHYD 5.0 01:EXT7 119.73 .728 1983.1006_21:05 95.99 1.63 .000
06187 [Cm 51.0; N= 3.00; Tm= 3.12]
06188 [IARE=24.00; SMIN= 91.01; SMA=606.70; SK= 100]
06189 [InterEventTime= 24.00]
06190 #
06191 #
06192 R1983:CO0011 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
06193 CONTINUOUS NASHYD 5.0 01:EXT8 39.07 .259 1983.1005_23:00 89.99 1.53 .000
06194 [Cm 46.0; N= 3.00; Tm= 1.08]
06195 [IARE=24.00; SMIN=121.19; SMA=807.93; SK= 100]
06196 [InterEventTime= 24.00]
06197 #
06198 #
06199 R1983:CO0012 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
06200 CONTINUOUS NASHYD 5.0 01:EXT9 50.96 .392 1983.1005_23:20 95.99 1.63 .000
06201 [Cm 62.0; N= 3.00; Tm= 1.08]
06202 [IARE=24.00; SMIN= 91.01; SMA=606.70; SK= 100]
06203 [InterEventTime= 24.00]
06204 #
06205 #
06206 R1983:CO0013 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
06207 CONTINUOUS NASHYD 5.0 01:EXT10 56.26 .441 1983.1005_23:30 99.20 1.69 .000
06208 [Cm 56.0; N= 3.00; Tm= 2.09]
06209 [IARE=24.00; SMIN= 79.69; SMA=531.24; SK= 100]
06210 [InterEventTime= 24.00]
06211 #
06212 #
06213 R1983:CO0014 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
06214 CONTINUOUS NASHYD 5.0 01:EXT11 25.48 .497 1983.1005_23:10 106.32 1.81 .000
06215 [Cm 62.0; N= 3.00; Tm= 1.83]
06216 [IARE=24.00; SMIN= 41.66; SMA=412.66; SK= 100]
06217 [InterEventTime= 24.00]
06218 #
06219 #
06220 R1983:CO0015 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
06221 CONTINUOUS NASHYD 5.0 01:EXT12 47.26 .591 1983.1005_23:35 127.73 2.17 .000
06222 [Cm 75.0; N= 3.00; Tm= 2.29]
06223 [IARE=24.00; SMIN= 39.42; SMA=225.43; SK= 100]
06224 [InterEventTime= 24.00]
06225 #
06226 #
06227 R1983:CO0016 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
06228 CONTINUOUS NASHYD 5.0 01:EXT13 47.26 .591 1983.1005_23:35 127.73 2.17 .000
06229 [Cm 75.0; N= 3.00; Tm= 2.29]
06230 [IARE=24.00; SMIN= 39.42; SMA=225.43; SK= 100]
06231 [InterEventTime= 24.00]
06232 #
06233 #
06234 R1983:CO0017 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
06235 CONTINUOUS NASHYD 5.0 01:EXT14 14.26 .233 1983.1005_21:55 132.93 2.26 .000
06236 [Cm 12.0; N= 3.00; Tm= 1.93]
06237 [IARE=24.00; SMIN= 29.88; SMA=199.22; SK= 100]
06238 [InterEventTime= 24.00]
06239 #
06240 #
06241 R1983:CO0018 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
06242 CONTINUOUS NASHYD 5.0 01:EXT15 24.24 .361 1983.1005_22:00 122.87 2.09 .000
06243 [Cm 72.0; N= 3.00; Tm= 1.43]
06244 [IARE=24.00; SMIN= 38.18; SMA=254.55; SK= 100]
06245 [InterEventTime= 24.00]
06246 #
06247 #
06248 R1983:CO0019 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
06249 CONTINUOUS NASHYD 5.0 01:EXT16 60.48 .497 1983.1005_23:10 102.57 1.75 .000
06250 [Cm 59.0; N= 3.00; Tm= 1.61]
06251 [IARE=24.00; SMIN= 70.11; SMA=467.39; SK= 100]
06252 [InterEventTime= 24.00]
06253 #
06254 #
06255 R1983:CO0020 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
06256 CONTINUOUS NASHYD 5.0 01:EXT17 79.25 .997 1983.1005_21:45 118.31 2.01 .000
06257 [Cm 70.0; N= 3.00; Tm= 1.64]
06258 [IARE=24.00; SMIN= 39.71; SMA=287.10; SK= 100]
06259 [InterEventTime= 24.00]
06260 #
06261 #
06262 R1983:CO0021 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
06263 CONTINUOUS NASHYD 5.0 01:EXT18 109.81 1.145 1983.1005_23:40 121.32 2.07 .000
06264 [Cm 72.0; N= 3.00; Tm= 2.34]
06265 [IARE=24.00; SMIN= 39.71; SMA=264.99; SK= 100]
06266 [InterEventTime= 24.00]
06267 #
06268 #
06269 R1983:CO0022 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
06270 CONTINUOUS NASHYD 5.0 01:EXT19 79.25 .997 1983.1005_21:45 118.31 2.01 .000
06271 [Cm 70.0; N= 3.00; Tm= 1.64]
06272 [IARE=24.00; SMIN= 39.71; SMA=287.10; SK= 100]
06273 [InterEventTime= 24.00]
06274 #
06275 #
06276 R1983:CO0023 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
06277 CONTINUOUS NASHYD 5.0 01:EXT20 12.05 .190 1983.1005_21:35 118.31 2.01 .000
06278 [Cm 12.0; N= 3.00; Tm= 1.76]
06279 [IARE=24.00; SMIN= 43.07; SMA=287.10; SK= 100]
06280 [InterEventTime= 24.00]
06281 #
06282 #
06283 R1983:CO0024 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
06284 CONTINUOUS NASHYD 5.0 01:EXT21 65.89 .795 1983.1005_22:55 121.32 2.07 .000
06285 [Cm 72.0; N= 3.00; Tm= 1.76]
06286 [IARE=24.00; SMIN= 39.71; SMA=264.99; SK= 100]
06287 [InterEventTime= 24.00]
06288 #
06289 #
06290 R1983:CO0025 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
06291 CONTINUOUS NASHYD 5.0 01:EXT22 171.81 1.337 1983.1006_11:45 108.65 1.89 .000
06292 [Cm 64.0; N= 3.00; Tm= 3.07]
06293 [IARE=24.00; SMIN= 57.05; SMA=380.32; SK= 100]
06294 [InterEventTime= 24.00]
06295 #
06296 #
06297 R1983:CO0026 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
06298 CONTINUOUS NASHYD 5.0 01:EXT23 60.20 .599 1983.1006_01:50 131.35 2.23 .000

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07201 [L/S/n= 556./ 100./035]
07202 [Vmax= 481:Imax= 444]
07203 R1985:C00054-----DtmIn-ID:HYD-----AREAh-QFEARms-TpeakDate h:hm:-----Rvm-R-C-----DWfms
07204 ADD HYD + 5.0 02:09 24.24 .336 1985.0918 6:25 119.13 n/a .000
07205 [L/S/n= 5.0 02:04 1181.27 7.015 1985.0918 8:45 104.28 n/a .000
07206 SUM= 5.0 01:00T 1205.51 7.154 1985.0918 8:40 104.58 n/a .000
07207
07208 *****
07209 ** END OF RUN : 1985
07210
07211 -----
07212 -----
07213 -----
07214 -----
07215 -----
07216 -----
07217 RIN:COMMANDS
07218 R1986:C0001-----DtmIn-ID:HYD-----AREAh-QFEARms-TpeakDate h:hm:-----Rvm-R-C-----DWfms
07219 START [TSEB= .00 hrs on 19860101]
07220 [METOUT= 2 (Imperial, Zmetric output)]
07221 [INFORES= 0]
07222 [NRUN = 1986 ]
07223 *****
07224 # SMOOTHY / INPUT DATA FILE
07225 *****
07226 # Project Number: [P2001(601)]
07227 # Date : [025 JULY 23]
07228 # Modeler : [M and C Inc.]
07229 # Company : [JFEA Canada Inc.]
07230 # License # : [254927]
07231 *****
07232 # SUMMER CONDITIONS MODE
07233 # Model developed to simulate runoff from subcatchments under pre development conditions
07234 *****
07235 # Ottawa International Airport - 19 July 1987 to 01 Nov 2016
07236 *****
07237 *****
07238 *****
07239 *****
07240 *****
07241 # READ AREA DATA
07242 [Filename= C:\YOM 1967-2016.txt ]
07243 [Start date= 1986.0101; End date= 1986.1231]
07244 [DTP 60.min; Length= 8040.Hrs; WetRes= 520; DryRes= 7520; PTOF= 849.40]
07245 *****
07246 # Maximum average rainfall intensities over
07247 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
07248 18.30 35.60 40.70 42.40 42.40 58.10 69.30 87.00 88.60 94.40 mm/hr
07249 19860729 19860729 19860729 19860729 19860729 19860729 19860729 19860729 19860729 19860729 date
07250 # Number of rainfall events per following interevent time
07251 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
07252 178 144 104 80 63 48 33 28 22
07253 # Number of events with at least the following durations
07254 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
07255 177 144 104 80 63 48 33 28 22
07256 R1986:C0003-----DtmIn-ID:HYD-----AREAh-QFEARms-TpeakDate h:hm:-----Rvm-R-C-----DWfms
07257 COMMENTS [L/S/n= 1.04 7.6 24 2 0 0 0]
07258 [AFIn= 40.00; AFID= 8000; AFIDkt= .9907]
07259 [AFInave= 80.47; AFIDave= 11.90; AFIDkt= .00]
07260 *****
07261 *****
07262 *****
07263 *****
07264 *****
07265 *****
07266 *****
07267 R1986:C0004-----DtmIn-ID:HYD-----AREAh-QFEARms-TpeakDate h:hm:-----Rvm-R-C-----DWfms
07268 CONTINUOUS NASHYD 5.0 01:EXT1 60.46 .687 1986.0912 6:05 213.02 251 .000
07269 [Cm 56.0; N= 3.00; Tm= 1.75]
07270 [IaREC=24.00; SMIn= 39.71; SMAX=65.12; Etk= 100]
07271 [InterEventTimes= 24.00]
07272 *****
07273 # EXT2
07274 *****
07275 R1986:C0005-----DtmIn-ID:HYD-----AREAh-QFEARms-TpeakDate h:hm:-----Rvm-R-C-----DWfms
07276 CONTINUOUS NASHYD 5.0 01:EXT2 7.62 .140 1986.0912 5:20 236.38 278 .000
07277 [Cm 62.0; N= 3.00; Tm= .92]
07278 [IaREC=24.00; SMIn= 59.42; SMAX=396.11; Etk= 100]
07279 [InterEventTimes= 24.00]
07280 *****
07281 # EXT3
07282 *****
07283 R1986:C0006-----DtmIn-ID:HYD-----AREAh-QFEARms-TpeakDate h:hm:-----Rvm-R-C-----DWfms
07284 CONTINUOUS NASHYD 5.0 01:EXT3 17.96 .248 1986.0912 6:00 228.17 269 .000
07285 [Cm 56.0; N= 3.00; Tm= 1.64]
07286 [IaREC=24.00; SMIn= 70.11; SMAX=467.39; Etk= 100]
07287 [InterEventTimes= 24.00]
07288 *****
07289 # EXT4
07290 *****
07291 R1986:C0007-----DtmIn-ID:HYD-----AREAh-QFEARms-TpeakDate h:hm:-----Rvm-R-C-----DWfms
07292 CONTINUOUS NASHYD 5.0 01:EXT4 1.64 .011 1986.0912 5:05 209.48 247 .000
07293 [Cm 48.0; N= 3.00; Tm= .43]
07294 [IaREC=24.00; SMIn=109.74; SMAX=731.60; Etk= 100]
07295 [InterEventTimes= 24.00]
07296 *****
07297 # EXT5
07298 *****
07299 R1986:C0008-----DtmIn-ID:HYD-----AREAh-QFEARms-TpeakDate h:hm:-----Rvm-R-C-----DWfms
07300 CONTINUOUS NASHYD 5.0 01:EXT5 1.55 .030 1986.0729 2:10 222.33 242 .000
07301 [Cm 56.0; N= 3.00; Tm= .44]
07302 [IaREC=24.00; SMIn= 53.12; SMAX=531.24; Etk= 100]
07303 [InterEventTimes= 24.00]
07304 *****
07305 # M1
07306 *****
07307 R1986:C0009-----DtmIn-ID:HYD-----AREAh-QFEARms-TpeakDate h:hm:-----Rvm-R-C-----DWfms
07308 CONTINUOUS NASHYD 5.0 01:M1 111.89 1.520 1986.0912 6:00 228.17 269 .000
07309 [Cm 59.0; N= 3.00; Tm= 1.71]
07310 [IaREC=24.00; SMIn= 39.71; SMAX=467.39; Etk= 100]
07311 [InterEventTimes= 24.00]
07312 *****
07313 # M2
07314 *****
07315 R1986:C0010-----DtmIn-ID:HYD-----AREAh-QFEARms-TpeakDate h:hm:-----Rvm-R-C-----DWfms
07316 CONTINUOUS NASHYD 5.0 01:M2 119.73 1.055 1986.0912 7:05 216.69 255 .000
07317 [Cm 59.0; N= 3.00; Tm= 1.62]
07318 [IaREC=24.00; SMIn= 91.01; SMAX=606.70; Etk= 100]
07319 [InterEventTimes= 24.00]
07320 *****
07321 # M3
07322 *****
07323 R1986:C0011-----DtmIn-ID:HYD-----AREAh-QFEARms-TpeakDate h:hm:-----Rvm-R-C-----DWfms
07324 CONTINUOUS NASHYD 5.0 01:M3 39.07 .406 1986.0912 6:05 206.33 243 .000
07325 [Cm 48.0; N= 3.00; Tm= 1.48]
07326 [IaREC=24.00; SMIn=121.19; SMAX=807.93; Etk= 100]
07327 [InterEventTimes= 24.00]
07328 *****
07329 # M4
07330 *****
07331 R1986:C0012-----DtmIn-ID:HYD-----AREAh-QFEARms-TpeakDate h:hm:-----Rvm-R-C-----DWfms
07332 CONTINUOUS NASHYD 5.0 01:M4 50.96 .579 1986.0912 6:15 216.69 255 .000
07333 [Cm 53.0; N= 3.00; Tm= 1.95]
07334 [IaREC=24.00; SMIn= 91.01; SMAX=606.70; Etk= 100]
07335 [InterEventTimes= 24.00]
07336 *****
07337 # M5
07338 *****
07339 R1986:C0013-----DtmIn-ID:HYD-----AREAh-QFEARms-TpeakDate h:hm:-----Rvm-R-C-----DWfms
07340 CONTINUOUS NASHYD 5.0 01:M5 56.26 .460 1986.0912 6:20 222.33 242 .000
07341 [Cm 56.0; N= 3.00; Tm= 2.09]
07342 [IaREC=24.00; SMIn= 79.69; SMAX=531.24; Etk= 100]
07343 [InterEventTimes= 24.00]
07344 *****
07345 # M6
07346 *****
07347 R1986:C0014-----DtmIn-ID:HYD-----AREAh-QFEARms-TpeakDate h:hm:-----Rvm-R-C-----DWfms
07348 CONTINUOUS NASHYD 5.0 01:M6 25.62 .356 1986.0912 6:05 234.29 276 .000
07349 [Cm 62.0; N= 3.00; Tm= 1.83]
07350 [IaREC=24.00; SMIn= 61.26; SMAX=412.66; Etk= 100]
07351 [InterEventTimes= 24.00]
07352 *****
07353 # M7
07354 *****
07355 R1986:C0015-----DtmIn-ID:HYD-----AREAh-QFEARms-TpeakDate h:hm:-----Rvm-R-C-----DWfms
07356 CONTINUOUS NASHYD 5.0 01:M7 47.26 .722 1986.0912 6:25 270.12 318 .000
07357 [Cm 48.0; N= 3.00; Tm= 1.13]
07358 [IaREC=24.00; SMIn= 33.81; SMAX=225.43; Etk= 100]
07359 [InterEventTimes= 24.00]
07360 *****
07361 # M8
07362 *****
07363 R1986:C0016-----DtmIn-ID:HYD-----AREAh-QFEARms-TpeakDate h:hm:-----Rvm-R-C-----DWfms
07364 CONTINUOUS NASHYD 5.0 01:M8 14.26 .299 1986.0729 2:10 278.54 328 .000
07365 [Cm 74.0; N= 3.00; Tm= 1.13]
07366 [IaREC=24.00; SMIn= 29.88; SMAX=199.22; Etk= 100]
07367 [InterEventTimes= 24.00]
07368 *****
07369 # M9
07370 *****
07371 R1986:C0017-----DtmIn-ID:HYD-----AREAh-QFEARms-TpeakDate h:hm:-----Rvm-R-C-----DWfms
07372 CONTINUOUS NASHYD 5.0 01:M9 24.24 .476 1986.0912 5:30 262.33 309 .000
07373 [Cm 73.0; N= 3.00; Tm= 1.13]
07374 [IaREC=24.00; SMIn= 38.18; SMAX=254.55; Etk= 100]
07375 [InterEventTimes= 24.00]
07376 *****
07377 # SITE
07378 *****
07379 R1986:C0018-----DtmIn-ID:HYD-----AREAh-QFEARms-TpeakDate h:hm:-----Rvm-R-C-----DWfms
07380 CONTINUOUS NASHYD 5.0 01:SITE 60.48 .687 1986.0912 5:35 228.17 269 .000

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07561 # *****
07562 R1986-C00051 SUMM 5.0 01:21:14 438.81 5.907 1986.0912 6:20 250.28 n/a .000
07563 ROUTE CHANNEL -> 5.0 02:21:4 438.81 5.907 1986.0912 6:20 250.28 n/a .000
07564 [RDF=5.00 outc- 5.0 01:18:13 438.81 5.510 1986.0912 6:55 250.27 n/a .000
07565 [L/S/n= 111.7 / 100 / 0.93]
07566 (Vmax =.392;Dmax=1.206)
07567 R1986-C00052 *****DtmIn-ID:INHYD-----AREAA-QFEARCS-TPeakDate hh:mm-----RvM-R-C-----DWfMS
07568 ADD HYD 5.0 02:176 60.20 .817 1986.0912 6:55 275.48 n/a .000
07569 + 5.0 02:177 68.50 .934 1986.0912 6:40 259.56 n/a .000
07570 + 5.0 02:187 47.26 .722 1986.0912 6:25 270.12 n/a .000
07571 + 5.0 02:181 566.50 5.576 1986.0912 7:00 222.62 n/a .000
07572 + 5.0 02:183 438.81 5.210 1986.0912 6:55 250.27 n/a .000
07573 *****
07574 R1986-C00053 *****DtmIn-ID:INHYD-----AREAA-QFEARCS-TPeakDate hh:mm-----RvM-R-C-----DWfMS
07575 ROUTE CHANNEL -> 5.0 01:21:5 1181.27 13.528 1986.0912 6:55 239.44 n/a .000
07576 [RDF=5.00 outc- 5.0 01:18:4 1181.27 13.430 1986.0912 7:05 239.44 n/a .000
07577 [L/S/n= 556 / 100 / 0.93]
07578 (Vmax =.611;Dmax =.636)
07579 R1986-C00054 *****DtmIn-ID:INHYD-----AREAA-QFEARCS-TPeakDate hh:mm-----RvM-R-C-----DWfMS
07580 ADD HYD 5.0 02:184 1181.27 13.430 1986.0912 7:05 239.44 n/a .000
07581 + 5.0 02:184 1181.27 13.430 1986.0912 7:05 239.44 n/a .000
07582 SUM 1205.51 13.497 1986.0912 7:00 240.09 n/a .000
07583 *****
07584 *** END OF RUN : 1986
07585 *****
07586 *****
07587 *****
07588 *****
07589 *****
07590 *****
07591 *****
07592 *****
07593 RUN:COMMAND#
07594 R1987-C0001 *****DtmIn-ID:INHYD-----AREAA-QFEARCS-TPeakDate hh:mm-----RvM-R-C-----DWfMS
07595 [TZERO = .00 hrs on 19870101]
07596 [METHOD = 2 (Empirical, 2-meric output)]
07597 [INFOFORM = 0]
07598 [NRUN = 1987]
07599 *****
07600 # *****
07601 # SMOYRNG / INPUT DATA FILE
07602 *****
07603 # Project Name : [Tamarack Richmond]
07604 # Project Number: [P2001.e01]
07605 # Date : [0205 JULY 23]
07606 # Modeler : [M] and [G]
07607 # Company : [JFSa Canada Inc.]
07608 # License # : [2549237]
07609 *****
07610 # SUMMER CONDITIONS MODEL
07611 # Model developed to simulate runoff from subcatchments under pre development conditions
07612 *****
07613 # *****
07614 # Ottawa International Airport - 19 July 1967 to 01 Nov 2016
07615 R1987-C00002 *****
07616 # READ AEDS DATA
07617 *****
07618 [Filename = YOW 1967-2016.txt ]
07619 [Start date: 1987-01-01; End date: 1987-11-31]
07620 [DTE 60 min; Length 1846 hrs; Wetness: 481; DryHrs= 6833; PDDT= 639.90]
07621 Maximum average rainfall intensities over
07622 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
07623 20.00 33.90 44.03 7.05 4.87 2.46 1.84 1.40 .93 mm/hr
07624 20.00 27.80 42.10 42.30 58.40 59.00 66.40 67.00 67.00 mm/hr
07625 19870224 19870224 19870224 19870224 19870224 19870224 19870224 19870224 19870224 date
07626 Number of rainfall events per following interval time
07627 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
07628 179 147 128 93 74 55 49 41 28
07629 Number of events with at least the following durations
07630 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
07631 179 94 60 20 3 0 0 0 0
07632 R1987-C00003 *****
07633 COMPUTE AFI
07634 [AFIn= 40.00; AFIKey= .8000; AFIKnt= .9907]
07635 [AFTime= 60.06; AFIKey= 1.00; AFIKnt= .07]
07636 *****
07637 # *****
07638 # Pre-Development Conditions
07639 *****
07640 # *****
07641 # EXT1
07642 *****
07643 R1987-C00004 *****DtmIn-ID:INHYD-----AREAA-QFEARCS-TPeakDate hh:mm-----RvM-R-C-----DWfMS
07644 CONTINUOUS NASHVD 5.0 01:EXT1 60.46 .462 1987.0724 22:05 113.38 177 .000
07645 [CN= 50.0; N= 3.00; Tpe = 1.64]
07646 [IAREC=24.00; SMIN= 99.75; SMAX=665.12; EKE = 100]
07647 [L/S/n= 74.7 / 100 / 0.93]
07648 *****
07649 # EXT2
07650 *****
07651 R1987-C00005 *****DtmIn-ID:INHYD-----AREAA-QFEARCS-TPeakDate hh:mm-----RvM-R-C-----DWfMS
07652 CONTINUOUS NASHVD 5.0 01:EXT2 7.62 .123 1987.0724 21:25 130.90 204 .000
07653 [CN= 63.0; N= 3.00; Tpe = .92]
07654 [IAREC=24.00; SMIN= 59.42; SMAX=396.11; EKE = 100]
07655 [L/S/n= 74.7 / 100 / 0.93]
07656 *****
07657 # EXT3
07658 *****
07659 R1987-C00006 *****DtmIn-ID:INHYD-----AREAA-QFEARCS-TPeakDate hh:mm-----RvM-R-C-----DWfMS
07660 CONTINUOUS NASHVD 5.0 01:EXT3 11.96 .183 1987.0724 21:00 124.69 189 .000
07661 [CN= 50.0; N= 3.00; Tpe = 1.64]
07662 [IAREC=24.00; SMIN= 99.75; SMAX=467.39; EKE = 100]
07663 [L/S/n= 74.7 / 100 / 0.93]
07664 *****
07665 # EXT4
07666 *****
07667 R1987-C00007 *****DtmIn-ID:INHYD-----AREAA-QFEARCS-TPeakDate hh:mm-----RvM-R-C-----DWfMS
07668 CONTINUOUS NASHVD 5.0 01:EXT4 .64 .010 1987.0724 21:10 110.72 173 .000
07669 [CN= 48.0; N= 3.00; Tpe = .43]
07670 [IAREC=24.00; SMIN= 69.74; SMAX=731.60; EKE = 100]
07671 [L/S/n= 74.7 / 100 / 0.93]
07672 *****
07673 # EXT5
07674 *****
07675 R1987-C00008 *****DtmIn-ID:INHYD-----AREAA-QFEARCS-TPeakDate hh:mm-----RvM-R-C-----DWfMS
07676 CONTINUOUS NASHVD 5.0 01:EXT5 1.55 .029 1987.0724 21:10 120.32 188 .000
07677 [CN= 50.0; N= 3.00; Tpe = .48]
07678 [IAREC=24.00; SMIN= 79.69; SMAX=531.24; EKE = 100]
07679 [L/S/n= 74.7 / 100 / 0.93]
07680 *****
07681 # M1
07682 *****
07683 R1987-C00009 *****DtmIn-ID:INHYD-----AREAA-QFEARCS-TPeakDate hh:mm-----RvM-R-C-----DWfMS
07684 CONTINUOUS NASHVD 5.0 01:M1 111.89 1.102 1987.0724 22:05 124.69 195 .000
07685 [CN= 50.0; N= 3.00; Tpe = 1.71]
07686 [IAREC=24.00; SMIN= 70.11; SMAX=467.39; EKE = 100]
07687 [L/S/n= 74.7 / 100 / 0.93]
07688 *****
07689 # M2
07690 *****
07691 R1987-C00010 *****DtmIn-ID:INHYD-----AREAA-QFEARCS-TPeakDate hh:mm-----RvM-R-C-----DWfMS
07692 CONTINUOUS NASHVD 5.0 01:M2 119.73 .605 1987.0724 23:20 116.21 181 .000
07693 [CN= 53.0; N= 3.00; Tpe = 3.12]
07694 [IAREC=24.00; SMIN= 91.01; SMAX=606.70; EKE = 100]
07695 [L/S/n= 74.7 / 100 / 0.93]
07696 *****
07697 # M3
07698 *****
07699 R1987-C00011 *****DtmIn-ID:INHYD-----AREAA-QFEARCS-TPeakDate hh:mm-----RvM-R-C-----DWfMS
07700 CONTINUOUS NASHVD 5.0 01:M3 119.73 .605 1987.0724 23:20 116.21 181 .000
07701 [CN= 46.0; N= 3.00; Tpe = 1.68]
07702 [IAREC=24.00; SMIN=121.19; SMAX=807.93; EKE = 100]
07703 [L/S/n= 74.7 / 100 / 0.93]
07704 *****
07705 # M4
07706 *****
07707 R1987-C00012 *****DtmIn-ID:INHYD-----AREAA-QFEARCS-TPeakDate hh:mm-----RvM-R-C-----DWfMS
07708 CONTINUOUS NASHVD 5.0 01:M4 50.96 .382 1987.0724 22:15 116.11 181 .000
07709 [CN= 51.0; N= 3.00; Tpe = 1.95]
07710 [IAREC=24.00; SMIN= 91.01; SMAX=606.70; EKE = 100]
07711 [L/S/n= 74.7 / 100 / 0.93]
07712 *****
07713 # M5
07714 *****
07715 R1987-C00013 *****DtmIn-ID:INHYD-----AREAA-QFEARCS-TPeakDate hh:mm-----RvM-R-C-----DWfMS
07716 CONTINUOUS NASHVD 5.0 01:M5 56.26 .436 1987.0724 22:25 120.32 188 .000
07717 [CN= 50.0; N= 3.00; Tpe = 1.68]
07718 [IAREC=24.00; SMIN= 79.69; SMAX=531.24; EKE = 100]
07719 [L/S/n= 74.7 / 100 / 0.93]
07720 *****
07721 # M6
07722 *****
07723 R1987-C00014 *****DtmIn-ID:INHYD-----AREAA-QFEARCS-TPeakDate hh:mm-----RvM-R-C-----DWfMS
07724 CONTINUOUS NASHVD 5.0 01:M6 25.62 .259 1987.0724 22:10 129.24 202 .000
07725 [CN= 62.0; N= 3.00; Tpe = 1.83]
07726 [IAREC=24.00; SMIN= 61.90; SMAX=412.66; EKE = 100]
07727 [L/S/n= 74.7 / 100 / 0.93]
07728 *****
07729 # M7
07730 *****
07731 R1987-C00015 *****DtmIn-ID:INHYD-----AREAA-QFEARCS-TPeakDate hh:mm-----RvM-R-C-----DWfMS
07732 CONTINUOUS NASHVD 5.0 01:M7 47.26 .594 1987.0724 22:20 135.94 244 .000
07733 [CN= 75.0; N= 3.00; Tpe = 2.29]
07734 [IAREC=24.00; SMIN= 33.81; SMAX=225.43; EKE = 100]
07735 [L/S/n= 74.7 / 100 / 0.93]
07736 *****
07737 # M8
07738 *****
07739 R1987-C00016 *****DtmIn-ID:INHYD-----AREAA-QFEARCS-TPeakDate hh:mm-----RvM-R-C-----DWfMS
07740 CONTINUOUS NASHVD 5.0 01:M8 54.26 .489 1987.0724 21:30 162.30 284 .000

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079231 [L/S/n= 1182./ /100./035]
079232 (Vmax= 4291.Dmax= 302)
079233 R1987.C00048 -----DtmIn-ID:INHYD-----AREAh-QFEARcms-TpeakDate hh:mm-----RvM-R.C-----DWfms
079234 ADD HYD + 5.0 02171 79.25 1.066 1987.0724.2115 144.44 n/a .000
079235 + 5.0 02172 119.81 1.168 1987.0724.2115 148.13 n/a .000
079236 + 5.0 02173 12.05 2.237 1987.0724.2115 144.44 n/a .000
079237 SHT3 5.0 02174 201.11 2.242 1987.0724.2115 146.46 n/a .000
079238 R1987.C00049 -----DtmIn-ID:INHYD-----AREAh-QFEARcms-TpeakDate hh:mm-----RvM-R.C-----DWfms
079239 ROUTE CHANNEL > 5.0 02123 201.11 2.342 1987.0724.2115 146.46 n/a .000
079240 (ROUTE 5.0) outc----- 5.0 01812 201.11 2.287 1987.0724.2115 146.46 n/a .000
079241 [L/S/n= 706./ /116./035]
079242 (Vmax= 684.Dmax= 196)

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08281 (Vmax =.463;Dmax=.485)
08282 R1988/C00044-----DtmIn-ID:INHYD-----AREAhA--OPEARcGms--TpeakDate hh:mm-----RvMm-R.C-----DWfMms
08283 ADD HYD + 5.0 02:10 526.62 4.689 1988.0726.2145 121.79 n/a .000
08284 SUM + 5.0 02:06 25.62 .395 1988.0726.2100 132.55 n/a .000
08285 * [I/S/n= 102.7 / 107.035]
08286 * [I/S/n= 102.7 / 107.035]
08287 R1988/C00045-----DtmIn-ID:INHYD-----AREAhA--OPEARcGms--TpeakDate hh:mm-----RvMm-R.C-----DWfMms
08288 EROSION INDEX 5.0 01:312 566.50 .022 876.050 167.83 1.92 12 3.04E-06
08289 [I/S/n= .175]
08290 R1988/C00046-----DtmIn-ID:INHYD-----AREAhA--OPEARcGms--TpeakDate hh:mm-----RvMm-R.C-----DWfMms
08291 SAVR HYD 5.0 01:312 566.50 5.240 1988.0726.2135 123.41 n/a .000
08292 [I/S/n= 732.1988]
08293 remark:312- CMK Erosion Mode M-3
08294 R1988/C00047-----DtmIn-ID:INHYD-----AREAhA--OPEARcGms--TpeakDate hh:mm-----RvMm-R.C-----DWfMms
08295 ROUTE CHANNEL -> 5.0 01:314 566.50 5.240 1988.0726.2135 123.41 n/a .000
08296 * [RD7= 5.00i outc- 5.0 01:311 566.50 4.882 1988.0726.2210 123.41 n/a .000
08297 [I/S/n= 102.7 / 107.035]
08298 (Vmax =.492;Dmax=.615)
08299 R1988/C00048-----DtmIn-ID:INHYD-----AREAhA--OPEARcGms--TpeakDate hh:mm-----RvMm-R.C-----DWfMms
08300 ADD HYD + 5.0 02:12 79.25 1.393 1988.0726.2045 149.24 n/a .000
08301 SUM + 5.0 02:12 109.81 1.662 1988.0726.2125 152.16 n/a .000
08302 * [I/S/n= 123.05]
08303 * [I/S/n= 123.05]
08304 R1988/C00049-----DtmIn-ID:INHYD-----AREAhA--OPEARcGms--TpeakDate hh:mm-----RvMm-R.C-----DWfMms
08305 ROUTE CHANNEL -> 5.0 01:313 201.11 3.384 1988.0726.2055 150.42 n/a .000
08306 * [RD7= 5.00i outc- 5.0 01:312 201.11 3.315 1988.0726.2105 150.42 n/a .000
08307 [I/S/n= 116.7035]
08308 (Vmax =.751;Dmax=.178)
08309 R1988/C00050-----DtmIn-ID:INHYD-----AREAhA--OPEARcGms--TpeakDate hh:mm-----RvMm-R.C-----DWfMms
08310 ADD HYD + 5.0 02:12 45.89 1.181 1988.0726.2050 152.16 n/a .000
08311 SUM + 5.0 02:12 171.81 1.728 1988.0726.2110 135.88 n/a .000
08312 * [I/S/n= 0.012]
08313 * [I/S/n= 0.012]
08314 R1988/C00051-----DtmIn-ID:INHYD-----AREAhA--OPEARcGms--TpeakDate hh:mm-----RvMm-R.C-----DWfMms
08315 ROUTE CHANNEL -> 5.0 01:314 438.81 6.094 1988.0726.2215 144.99 n/a .000
08316 * [RD7= 5.00i outc- 5.0 01:313 438.81 5.392 1988.0726.2200 144.99 n/a .000
08317 [I/S/n= 102.7 / 107.035]
08318 (Vmax =.395;Dmax=.121)
08319 R1988/C00052-----DtmIn-ID:INHYD-----AREAhA--OPEARcGms--TpeakDate hh:mm-----RvMm-R.C-----DWfMms
08320 ADD HYD + 5.0 02:17 24.24 4.972 1988.0726.2015 154.12 n/a .000
08321 SUM + 5.0 02:17 68.50 5.931 1988.0726.2140 152.16 n/a .000
08322 * [I/S/n= 0.012]
08323 * [I/S/n= 0.012]
08324 R1988/C00053-----DtmIn-ID:INHYD-----AREAhA--OPEARcGms--TpeakDate hh:mm-----RvMm-R.C-----DWfMms
08325 ROUTE CHANNEL -> 5.0 01:315 438.81 5.892 1988.0726.2200 144.99 n/a .000
08326 * [RD7= 5.00i outc- 5.0 01:314 438.81 5.497 1988.0726.2210 136.66 n/a .000
08327 [I/S/n= 116.7035]
08328 (Vmax =.556 / 107.035)
08329 R1988/C00054-----DtmIn-ID:INHYD-----AREAhA--OPEARcGms--TpeakDate hh:mm-----RvMm-R.C-----DWfMms
08330 ADD HYD + 5.0 02:17 24.24 4.972 1988.0726.2015 154.12 n/a .000
08331 SUM + 5.0 02:17 181.27 12.497 1988.0726.2210 136.66 n/a .000
08332 * [I/S/n= 116.7035]
08333 * [I/S/n= 116.7035]
08334 R1988/C00055-----DtmIn-ID:INHYD-----AREAhA--OPEARcGms--TpeakDate hh:mm-----RvMm-R.C-----DWfMms
08335 ROUTE CHANNEL -> 5.0 01:316 1025.51 12.751 1988.0726.2210 137.01 n/a .000
08336 * [RD7= 5.00i outc- 5.0 01:315 1025.51 12.751 1988.0726.2210 137.01 n/a .000
08337 [I/S/n= 116.7035]
08338 ***** END OF RUN : 1988
08339
08340
08341
08342
08343
08344
08345 RvM-CONMANDS
08346 R1989/C0001-----DtmIn-ID:INHYD-----AREAhA--OPEARcGms--TpeakDate hh:mm-----RvMm-R.C-----DWfMms
08347 START
08348 [TZSR= .00 hrs on 19890101]
08349 [MTRF= 2 (Imperial, 2Metric output)]
08350 [MTRF= 2]
08351 [NRUN = 1989]
08352 *****
08353 # SNOHYD / INPUT DATA FILE
08354 *****
08355 # Project Name : [Tamarack Richmond]
08356 # Project Number: [R2001(edi)]
08357 # Date : [02/21/93]
08358 # Modeller : [DM and OS]
08359 # Company : [JFSa Canada Inc]
08360 # License # : [25492]
08361 *****
08362 # SUMMER CONDITION NAME:
08363 # Model developed to simulate runoff from subcatchments under pre development conditions
08364 *****
08365 # Catchment Information:
08366 # Catchment Name: [Tamarack Richmond]
08367 # Catchment Area: [1181.84]
08368 # Catchment Length: [1969.072]
08369 # Catchment Slope: [421]
08370 # Catchment Elevation: [7619]
08371 # Catchment Perimeter: [522.50]
08372 *****
08373 Maximum average rainfall intensities over
08374 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
08375 22.70 25.20 26.80 28.40 30.00 31.60 33.20 34.80 36.40 38.00 39.60 41.20 42.80 mm/hr
08376 1989072 1989072 1989072 1989072 1989072 1989072 1989072 1989072 1989072 1989072 1989072 1989072 1989072
08377 *****
08378 Number of rainfall events per following interval time
08379 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
08380 150 124 88 66 44 30 20 14 9 6 4 3 2
08381 *****
08382 Number of events with at least the following durations
08383 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
08384 149 81 52 19 5 0 0 0 0 0 0
08385 *****
08386 R1989/C0003-----DtmIn-ID:INHYD-----AREAhA--OPEARcGms--TpeakDate hh:mm-----RvMm-R.C-----DWfMms
08387 CONTEXT APZ
08388 [APZ= 40.00; APZkty= 8000; APZkty= 9907]
08389 [APZkty= 7.34]
08390 *****
08391 # Pre-Development Conditions
08392 *****
08393 # EXT3
08394 *****
08395 R1989/C00004-----DtmIn-ID:INHYD-----AREAhA--OPEARcGms--TpeakDate hh:mm-----RvMm-R.C-----DWfMms
08396 CONTINUOUS NASHVD 5.0 01:EXT1 60.46 .303 1989.0727.2210 71.96 73.98 .000
08397 [CN= 56.0; N= 3.00; Tpe= 1.48]
08398 [IAREC=24.00; SMIN= 99.77; SMAX=665.12; SK= 100]
08399 [InterEventTime= 24.00]
08400 *****
08401 # EXT2
08402 *****
08403 R1989/C00005-----DtmIn-ID:INHYD-----AREAhA--OPEARcGms--TpeakDate hh:mm-----RvMm-R.C-----DWfMms
08404 CONTINUOUS NASHVD 5.0 01:EXT2 7.62 .092 1989.0727.2150 85.01 163 .000
08405 [CN= 61.0; N= 3.00; Tpe= .92]
08406 [IAREC=24.00; SMIN= 59.42; SMAX=366.11; SK= 100]
08407 [InterEventTime= 24.00]
08408 *****
08409 # EXT3
08410 *****
08411 R1989/C00006-----DtmIn-ID:INHYD-----AREAhA--OPEARcGms--TpeakDate hh:mm-----RvMm-R.C-----DWfMms
08412 CONTINUOUS NASHVD 5.0 01:EXT3 17.96 .123 1989.0727.2145 80.31 154 .000
08413 [CN= 59.0; N= 3.00; Tpe= 1.64]
08414 [IAREC=24.00; SMIN= 70.11; SMAX=467.39; SK= 100]
08415 [InterEventTime= 24.00]
08416 *****
08417 # EXT4
08418 *****
08419 R1989/C0007-----DtmIn-ID:INHYD-----AREAhA--OPEARcGms--TpeakDate hh:mm-----RvMm-R.C-----DWfMms
08420 CONTINUOUS NASHVD 5.0 01:EXT4 11.89 .742 1989.0727.2250 80.31 154 .000
08421 [CN= 48.0; N= 3.00; Tpe= .43]
08422 [IAREC=24.00; SMIN= 109.74; SMAX=731.60; SK= 100]
08423 [InterEventTime= 24.00]
08424 *****
08425 # EXT5
08426 *****
08427 R1989/C00008-----DtmIn-ID:INHYD-----AREAhA--OPEARcGms--TpeakDate hh:mm-----RvMm-R.C-----DWfMms
08428 CONTINUOUS NASHVD 5.0 01:EXT5 1.55 .027 1989.0727.2120 77.03 147 .000
08429 [CN= 56.0; N= 3.00; Tpe= .44]
08430 [IAREC=24.00; SMIN= 75.78; SMAX=531.24; SK= 100]
08431 [InterEventTime= 24.00]
08432 *****
08433 # M1
08434 *****
08435 R1989/C00009-----DtmIn-ID:INHYD-----AREAhA--OPEARcGms--TpeakDate hh:mm-----RvMm-R.C-----DWfMms
08436 CONTINUOUS NASHVD 5.0 01:M1 111.89 .742 1989.0727.2250 80.31 154 .000
08437 [CN= 61.0; N= 3.00; Tpe= 1.48]
08438 [IAREC=24.00; SMIN= 70.11; SMAX=467.39; SK= 100]
08439 [InterEventTime= 24.00]
08440 *****
08441 # M2
08442 *****
08443 R1989/C00010-----DtmIn-ID:INHYD-----AREAhA--OPEARcGms--TpeakDate hh:mm-----RvMm-R.C-----DWfMms
08444 CONTINUOUS NASHVD 5.0 01:M2 119.73 .405 1989.0726.0120 73.94 142 .000
08445 [CN= 61.0; N= 3.00; Tpe= 1.42]
08446 [IAREC=24.00; SMIN= 91.01; SMAX=606.70; SK= 100]
08447 [InterEventTime= 24.00]
08448 *****
08449 # M3
08450 *****
08451 R1989/C00011-----DtmIn-ID:INHYD-----AREAhA--OPEARcGms--TpeakDate hh:mm-----RvMm-R.C-----DWfMms
08452 CONTINUOUS NASHVD 5.0 01:EXT1 39.07 .174 1989.0727.2145 68.20 131 .000
08453 [CN= 46.0; N= 3.00; Tpe= 1.68]
08454 [IAREC=24.00; SMIN=121.19; SMAX=807.93; SK= 100]
08455 [InterEventTime= 24.00]
08456 *****
08457 # M4
08458 *****
08459 R1989/C00012-----DtmIn-ID:INHYD-----AREAhA--OPEARcGms--TpeakDate hh:mm-----RvMm-R.C-----DWfMms
08460 CONTINUOUS NASHVD 5.0 01:M4 50.96 .152 1989.0727.2105 73.94 142 .000

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08641 SUM= 5.0 01:CATCHMENT 148.71 593 1989.0727.22:135 77.08 n/a .000
08642 R1989.C00041-----DtmIn-ID:INHYD-----AREAhA-OPeARcMs-TPeakDate hHmms-----RvMm-R.C-----DWfms
08643 SAVE HYD 5.0 01:CATCHMENT 148.71 593 1989.0727.22:135 77.08 n/a .000
08644 *****
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09000 *****

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09361 ADD HYD 5.0 02185 379.46 1.303 1991.0410.12:00 81.09 n/a .000
09362 [CEN 59.0; Nr: 3.00; Tpe: 1.64]
09363 R1991C00035 -----DtmIn-ID:INHVD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DMFms
09364 ROUTE CHANNEL -> 5.0 02187 7.62 .056 1991.0410.10:30 85.41 n/a .000
09365 * [RDTS 5.00] out<- 5.0 01186 60.46 .288 1991.0410.10:30 77.59 n/a .000
09366 [L/S/n# 871./ .343/.035]
09367 (Vmax = .081Dmax = 1.90)
09368 R1991C00036 -----DtmIn-ID:INHVD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DMFms
09369 ROUTE CHANNEL -> 5.0 02187 7.62 .056 1991.0410.10:30 89.74 n/a .000
09370 * [RDTS 5.00] out<- 5.0 01186 7.62 .056 1991.0410.10:30 85.41 n/a .000
09371 [L/S/n# 651./ .258/.035]
09372 (Vmax = .081Dmax = 1.90)
09373 R1991C00037 -----DtmIn-ID:INHVD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DMFms
09374 ROUTE CHANNEL -> 5.0 02187 17.96 .110 1991.0410.10:25 85.41 n/a .000
09375 * [RDTS 5.00] out<- 5.0 01186 17.96 .109 1991.0410.10:30 85.41 n/a .000
09376 [L/S/n# 181./ .339/.035]
09377 (Vmax = .081Dmax = 1.90)
09378 R1991C00038 -----DtmIn-ID:INHVD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DMFms
09379 ADD HYD 5.0 02187 7.62 .056 1991.0410.10:15 89.74 n/a .000
09380 * [RDTS 5.00] out<- 5.0 01186 7.62 .056 1991.0410.10:30 85.41 n/a .000
09381 * [RDTS 5.00] out<- 5.0 01186 25.58 .163 1991.0410.10:25 86.70 n/a .000
09382 R1991C00039 -----DtmIn-ID:INHVD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DMFms
09383 ROUTE CHANNEL -> 5.0 01210 25.58 .163 1991.0410.10:25 86.70 n/a .000
09384 * [RDTS 5.00] out<- 5.0 01210 25.58 .163 1991.0410.10:35 86.70 n/a .000
09385 [L/S/n# 366./ .416/.035]
09386 (Vmax = .445Dmax = 1.50)
09387 R1991C00040 -----DtmIn-ID:INHVD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DMFms
09388 ADD HYD 5.0 02186 60.46 .275 1991.0410.10:50 77.59 n/a .000
09389 * [RDTS 5.00] out<- 5.0 02189 25.58 .163 1991.0410.10:35 86.70 n/a .000
09390 * [RDTS 5.00] out<- 5.0 02186 60.46 .275 1991.0410.10:50 77.59 n/a .000
09391 * [RDTS 5.00] out<- 5.0 02184 1.55 .035 1991.0410.10:35 82.35 n/a .000
09392 * [RDTS 5.00] out<- 5.0 02184 25.58 .163 1991.0410.10:35 82.35 n/a .000
09393 * [RDTS 5.00] out<- 5.0 02184 148.71 .871 1991.0410.10:15 82.38 n/a .000
09394 R1991C00041 -----DtmIn-ID:INHVD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DMFms
09395 * [RDTS 5.00] out<- 5.0 02184 148.71 .871 1991.0410.10:15 82.38 n/a .000
09396 [L/S/n# 308./ .100/.035]
09397 (Vmax = .342Dmax = .287)
09398 R1991C00042 -----DtmIn-ID:INHVD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DMFms
09399 ADD HYD 5.0 02187 379.46 1.303 1991.0410.12:00 81.09 n/a .000
09400 * [RDTS 5.00] out<- 5.0 02186 60.46 .275 1991.0410.10:30 85.41 n/a .000
09401 * [RDTS 5.00] out<- 5.0 02189 25.58 .163 1991.0410.10:35 86.70 n/a .000
09402 * [RDTS 5.00] out<- 5.0 02186 60.46 .275 1991.0410.10:30 85.41 n/a .000
09403 * [RDTS 5.00] out<- 5.0 02186 60.48 .487 1991.0410.10:15 85.41 n/a .000
09404 * [RDTS 5.00] out<- 5.0 02186 60.48 .487 1991.0410.10:15 85.41 n/a .000
09405 R1991C00043 -----DtmIn-ID:INHVD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DMFms
09406 ROUTE CHANNEL -> 5.0 01211 526.62 1.859 1991.0410.11:10 81.45 n/a .000
09407 * [RDTS 5.00] out<- 5.0 01210 526.62 1.859 1991.0410.11:20 81.45 n/a .000
09408 [L/S/n# 308./ .100/.035]
09409 (Vmax = .342Dmax = .287)
09410 R1991C00044 -----DtmIn-ID:INHVD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DMFms
09411 ADD HYD 5.0 02180 526.62 1.845 1991.0410.11:20 81.45 n/a .000
09412 * [RDTS 5.00] out<- 5.0 02187 25.58 .163 1991.0410.10:35 86.70 n/a .000
09413 * [RDTS 5.00] out<- 5.0 02188 14.26 .165 1991.0410.10:50 114.24 n/a .000
09414 * [RDTS 5.00] out<- 5.0 02188 566.50 2.058 1991.0410.11:10 82.60 n/a .000
09415 R1991C00045 -----DtmIn-ID:INHVD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DMFms
09416 * [RDTS 5.00] out<- 5.0 01212 566.50 .016 8040.50 121.25 1.51 8 1.94E+06
09417 [CEN 59.0; Nr: 3.00; Tpe: 1.64]
09418 R1991C00046 -----DtmIn-ID:INHVD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DMFms
09419 SAVE HYD 5.0 01212 566.50 2.058 1991.0410.11:10 82.60 n/a .000
09420 [CEN 59.0; Nr: 3.00; Tpe: 1.64]
09421 * [RDTS 5.00] out<- 5.0 01212 566.50 2.058 1991.0410.11:10 82.60 n/a .000
09422 [L/S/n# 182./ .100/.035]
09423 (Vmax = .361Dmax = .402)
09424 R1991C00048 -----DtmIn-ID:INHVD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DMFms
09425 ADD HYD 5.0 02171 79.23 .603 1991.0410.10:20 100.17 n/a .000
09426 * [RDTS 5.00] out<- 5.0 02172 109.81 .645 1991.0410.11:00 103.03 n/a .000
09427 * [RDTS 5.00] out<- 5.0 02172 32.05 .152 1991.0410.10:35 100.17 n/a .000
09428 * [RDTS 5.00] out<- 5.0 02173 201.11 1.306 1991.0410.10:30 101.73 n/a .000
09429 R1991C00049 -----DtmIn-ID:INHVD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DMFms
09430 ROUTE CHANNEL -> 5.0 01213 201.11 1.306 1991.0410.10:30 101.73 n/a .000
09431 * [RDTS 5.00] out<- 5.0 01213 201.11 1.306 1991.0410.10:45 101.73 n/a .000
09432 [L/S/n# 706./ .116/.035]
09433 (Vmax = .582Dmax = .743)
09434 R1991C00050 -----DtmIn-ID:INHVD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DMFms
09435 ADD HYD 5.0 02174 65.89 .488 1991.0410.10:30 103.03 n/a .000
09436 * [RDTS 5.00] out<- 5.0 02175 171.81 .705 1991.0410.11:40 96.89 n/a .000
09437 * [RDTS 5.00] out<- 5.0 02172 201.11 1.269 1991.0410.10:35 109.21 n/a .000
09438 * [RDTS 5.00] out<- 5.0 02174 438.81 2.394 1991.0410.10:50 97.68 n/a .000
09439 R1991C00051 -----DtmIn-ID:INHVD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DMFms
09440 ROUTE CHANNEL -> 5.0 01214 438.81 2.394 1991.0410.10:50 97.68 n/a .000
09441 * [RDTS 5.00] out<- 5.0 01213 438.81 2.286 1991.0410.11:15 97.68 n/a .000
09442 [L/S/n# 103./ .100/.035]
09443 (Vmax = .575Dmax = .752)
09444 R1991C00052 -----DtmIn-ID:INHVD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DMFms
09445 ADD HYD 5.0 02176 60.20 .394 1991.0422.7:40 112.53 n/a .000
09446 * [RDTS 5.00] out<- 5.0 02177 68.50 .367 1991.0410.11:15 103.03 n/a .000
09447 * [RDTS 5.00] out<- 5.0 02172 201.11 1.269 1991.0410.10:35 109.21 n/a .000
09448 * [RDTS 5.00] out<- 5.0 02181 566.50 1.900 1991.0410.11:55 82.60 n/a .000
09449 * [RDTS 5.00] out<- 5.0 02181 438.81 2.286 1991.0410.11:15 97.68 n/a .000
09450 * [RDTS 5.00] out<- 5.0 02176 60.20 .394 1991.0422.7:40 112.53 n/a .000
09451 * [RDTS 5.00] out<- 5.0 02176 68.50 .367 1991.0410.11:15 103.03 n/a .000
09452 * [RDTS 5.00] out<- 5.0 02176 68.50 .367 1991.0410.11:15 103.03 n/a .000
09453 * [RDTS 5.00] out<- 5.0 02181 566.50 1.900 1991.0410.11:55 82.60 n/a .000
09454 * [RDTS 5.00] out<- 5.0 02181 438.81 2.286 1991.0410.11:15 97.68 n/a .000
09455 * [RDTS 5.00] out<- 5.0 02176 60.20 .394 1991.0422.7:40 112.53 n/a .000
09456 * [RDTS 5.00] out<- 5.0 02176 68.50 .367 1991.0410.11:15 103.03 n/a .000
09457 * [RDTS 5.00] out<- 5.0 02176 68.50 .367 1991.0410.11:15 103.03 n/a .000
09458 * [RDTS 5.00] out<- 5.0 02181 566.50 1.900 1991.0410.11:55 82.60 n/a .000
09459 * [RDTS 5.00] out<- 5.0 02181 438.81 2.286 1991.0410.11:15 97.68 n/a .000
09460 R1991C00054 -----DtmIn-ID:INHVD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DMFms
09461 ADD HYD 5.0 02184 1181.27 5.102 1991.0410.11:40 91.97 n/a .000
09462 * [RDTS 5.00] out<- 5.0 02184 1181.27 5.102 1991.0410.11:40 91.97 n/a .000
09463 [L/S/n# 103./ .100/.035]
09464 (Vmax = .575Dmax = .752)
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097213 R1992L000031-----DmIn-ID:HNVD-----AREAh-OPEARcMs-TpaaDate hh:mm-----RvM-R-C---DWfms
097213 ROUTE CHANNEL --> 5.0 02:194 1.55 .031 1992.0718 0:45 144.23 n/a .000
097244 [R/S= 493./ 720./035]
097245 (Vmax= .298;Dmax= .891)
097261 R1992L000032-----DmIn-ID:HNVD-----AREAh-OPEARcMs-TpaaDate hh:mm-----RvM-R-C---DWfms
097270 ADD HYD -----+ 5.0 02:183 321.65 2.758 1992.0718 3:10 142.33 n/a .000
097288 -----+ 5.0 02:183 56.26 .650 1992.0718 2:15 144.23 n/a .000
097290 -----+ 5.0 02:194 379.46 3.143 1992.0718 3:00 142.62 n/a .000
097310 SUM -----5.0 02:194 379.46 3.143 1992.0718 3:00 142.62 n/a .000
097311 R1992L000033-----DmIn-ID:HNVD-----AREAh-OPEARcMs-TpaaDate hh:mm-----RvM-R-C---DWfms
097320 ROUTE CHANNEL --> 5.0 02:183 379.46 3.301 1992.0718 3:15 142.62 n/a .000
097330 [R/S= 5.00 outc= 5.0 01:185 379.46 3.301 1992.0718 3:15 142.62 n/a .000]
097344 (Vmax= .570;Dmax= .891)
097361 R1992L000034-----DmIn-ID:HNVD-----AREAh-OPEARcMs-TpaaDate hh:mm-----RvM-R-C---DWfms
097370 ADD HYD -----+ 5.0 02:187 17.96 .466 1992.0718 1:45 148.44 n/a .000
097388 -----+ 5.0 02:187 379.46 3.301 1992.0718 3:15 142.62 n/a .000
097390 -----+ 5.0 02:187 379.46 3.301 1992.0718 3:15 142.62 n/a .000
097391 R1992L000035-----DmIn-ID:HNVD-----AREAh-OPEARcMs-TpaaDate hh:mm-----RvM-R-C---DWfms
097400 ROUTE CHANNEL --> 5.0 02:187 60.46 .678 1992.0718 2:10 137.96 n/a .000
097411 [R/S= 5.00 outc= 5.0 01:186 60.46 .678 1992.0718 2:10 137.96 n/a .000]
097425 (Vmax= .704;Dmax= .899)
097441 R1992L000036-----DmIn-ID:HNVD-----AREAh-OPEARcMs-TpaaDate hh:mm-----RvM-R-C---DWfms
097450 ROUTE CHANNEL --> 5.0 02:187 7.62 .137 1992.0718 1:40 155.03 n/a .000
097459 [R/S= 5.00 outc= 5.0 01:187 7.62 .137 1992.0718 1:40 155.03 n/a .000]
097473 (Vmax= .198;Dmax= .118)
097491 R1992L000037-----DmIn-ID:HNVD-----AREAh-OPEARcMs-TpaaDate hh:mm-----RvM-R-C---DWfms
097500 ROUTE CHANNEL --> 5.0 02:188 17.96 .265 1992.0718 1:50 148.44 n/a .000
097511 [R/S= 181./ 330./035]
097525 (Vmax= .490;Dmax= .270)
097541 R1992L000038-----DmIn-ID:HNVD-----AREAh-OPEARcMs-TpaaDate hh:mm-----RvM-R-C---DWfms
097550 ADD HYD -----+ 5.0 02:188 17.96 .265 1992.0718 1:50 148.44 n/a .000
097558 -----+ 5.0 02:189 25.58 .402 1992.0718 1:45 150.40 n/a .000
097573 SUM -----5.0 02:188 32.54 .667 1992.0718 1:45 150.40 n/a .000
097589 R1992L000039-----DmIn-ID:HNVD-----AREAh-OPEARcMs-TpaaDate hh:mm-----RvM-R-C---DWfms
097598 ROUTE CHANNEL --> 5.0 02:190 25.58 .401 1992.0718 1:45 150.40 n/a .000
097611 [R/S= 5.00 outc= 5.0 02:190 25.58 .401 1992.0718 1:45 150.40 n/a .000]
097625 (Vmax= .366./ 414./035)
097641 R1992L000040-----DmIn-ID:HNVD-----AREAh-OPEARcMs-TpaaDate hh:mm-----RvM-R-C---DWfms
097650 ADD HYD -----+ 5.0 02:186 60.46 .678 1992.0718 2:10 137.96 n/a .000
097658 -----+ 5.0 02:189 25.58 .402 1992.0718 1:45 150.40 n/a .000
097673 -----+ 5.0 02:187 7.62 .137 1992.0718 1:40 155.03 n/a .000
097679 -----+ 5.0 02:189 25.58 .402 1992.0718 1:45 150.40 n/a .000
097688 -----+ 5.0 02:187 60.46 .678 1992.0718 2:10 137.96 n/a .000
097690 -----+ 5.0 02:190 25.58 .402 1992.0718 1:45 150.40 n/a .000
097691 R1992L000041-----DmIn-ID:HNVD-----AREAh-OPEARcMs-TpaaDate hh:mm-----RvM-R-C---DWfms
097700 ROUTE CHANNEL --> 5.0 02:190 25.58 .401 1992.0718 1:45 150.40 n/a .000
097711 [R/S= 366./ 414./035]
097725 (Vmax= .605;Dmax= .189)
097731 R1992L000042-----DmIn-ID:HNVD-----AREAh-OPEARcMs-TpaaDate hh:mm-----RvM-R-C---DWfms
097740 name :CATCHMENT.113 -----5.0 02:190 25.58 .401 1992.0718 1:45 150.40 n/a .000
097750 remark:Total Pre Dev Runoff From Site
097759 R1992L000043-----DmIn-ID:HNVD-----AREAh-OPEARcMs-TpaaDate hh:mm-----RvM-R-C---DWfms
097768 ADD HYD -----+ 5.0 02:186 60.46 .678 1992.0718 2:10 137.96 n/a .000
097776 -----+ 5.0 02:189 25.58 .402 1992.0718 1:45 150.40 n/a .000
097784 -----+ 5.0 02:187 7.62 .137 1992.0718 1:40 155.03 n/a .000
097792 -----+ 5.0 02:189 25.58 .402 1992.0718 1:45 150.40 n/a .000
097801 SUM -----5.0 02:186 60.46 .678 1992.0718 2:10 137.96 n/a .000
097811 R1992L000044-----DmIn-ID:HNVD-----AREAh-OPEARcMs-TpaaDate hh:mm-----RvM-R-C---DWfms
097820 ROUTE CHANNEL --> 5.0 02:191 379.46 3.143 1992.0718 3:00 142.62 n/a .000
097830 [R/S= 5.00 outc= 5.0 01:1810 379.46 3.143 1992.0718 3:00 142.62 n/a .000]
097844 (Vmax= .443;Dmax= .891)
097861 R1992L000045-----DmIn-ID:HNVD-----AREAh-OPEARcMs-TpaaDate hh:mm-----RvM-R-C---DWfms
097870 ADD HYD -----+ 5.0 02:186 25.62 .376 1992.0718 1:55 153.34 n/a .000
097878 -----+ 5.0 02:188 14.26 .393 1992.0718 1:50 148.84 n/a .000
097887 SUM -----5.0 02:186 40.28 .769 1992.0718 1:50 153.34 n/a .000
097897 R1992L000046-----DmIn-ID:HNVD-----AREAh-OPEARcMs-TpaaDate hh:mm-----RvM-R-C---DWfms
097906 ROUTE CHANNEL --> 5.0 02:186 366.50 5.258 1992.0718 2:30 144.76 n/a .000
097916 [R/S= 366./ 175./035]
097926 EROSION INDEX -----5.0 02:186 366.50 5.258 1992.0718 2:30 144.76 n/a .000
097934 [C/S= .175]
097941 R1992L000047-----DmIn-ID:HNVD-----AREAh-OPEARcMs-TpaaDate hh:mm-----RvM-R-C---DWfms
097950 SAVE HYD -----5.0 02:186 366.50 5.258 1992.0718 2:30 144.76 n/a .000
097959 name :J12.1992
097970 remark:J12: CMC Erosion Model NC-3
097979 R1992L000048-----DmIn-ID:HNVD-----AREAh-OPEARcMs-TpaaDate hh:mm-----RvM-R-C---DWfms
097988 ROUTE CHANNEL --> 5.0 02:192 566.50 5.258 1992.0718 2:30 144.76 n/a .000
097997 [R/S= 1182./ 100./035]
098007 (Vmax= .492;Dmax= .189)
098023 R1992L000049-----DmIn-ID:HNVD-----AREAh-OPEARcMs-TpaaDate hh:mm-----RvM-R-C---DWfms
098032 ADD HYD -----+ 5.0 02:191 79.23 1.497 1992.0718 1:40 169.80 n/a .000
098040 -----+ 5.0 02:192 119.81 1.457 1992.0718 2:05 173.45 n/a .000
098048 -----+ 5.0 02:193 12.05 .326 1992.0718 0:45 169.80 n/a .000
098057 SUM -----5.0 02:191 211.11 3.280 1992.0718 1:50 172.01 n/a .000
098067 R1992L000050-----DmIn-ID:HNVD-----AREAh-OPEARcMs-TpaaDate hh:mm-----RvM-R-C---DWfms
098076 ROUTE CHANNEL --> 5.0 02:193 201.11 3.280 1992.0718 1:50 172.01 n/a .000
098085 [R/S= 5.00 outc= 5.0 01:1912 201.11 3.280 1992.0718 1:50 172.01 n/a .000]
098099 (Vmax= .106./ 116./035)
098113 SUM -----5.0 02:191 201.11 3.280 1992.0718 1:50 172.01 n/a .000
098123 R1992L000051-----DmIn-ID:HNVD-----AREAh-OPEARcMs-TpaaDate hh:mm-----RvM-R-C---DWfms
098132 ADD HYD -----+ 5.0 02:194 65.89 1.226 1992.0718 1:50 173.85 n/a .000
098140 -----+ 5.0 02:195 171.81 1.160 1992.0718 2:05 176.17 n/a .000
098148 -----+ 5.0 02:192 201.11 3.235 1992.0718 2:05 172.01 n/a .000
098157 SUM -----5.0 02:194 438.81 3.611 1992.0718 2:00 166.31 n/a .000
098167 R1992L000052-----DmIn-ID:HNVD-----AREAh-OPEARcMs-TpaaDate hh:mm-----RvM-R-C---DWfms
098176 ROUTE CHANNEL --> 5.0 02:194 438.81 3.611 1992.0718 2:00 166.31 n/a .000
098185 [R/S= 1015./ 100./035]
098199 (Vmax= .394;Dmax= .189)
098223 R1992L000053-----DmIn-ID:HNVD-----AREAh-OPEARcMs-TpaaDate hh:mm-----RvM-R-C---DWfms
098232 ADD HYD -----+ 5.0 02:195 60.20 .823 1992.0718 3:00 187.34 n/a .000
098240 -----+ 5.0 02:197 49.87 .843 1992.0718 3:40 183.75 n/a .000
098248 -----+ 5.0 02:197 47.26 .774 1992.0718 2:20 182.57 n/a .000
098256 -----+ 5.0 02:195 566.50 5.258 1992.0718 2:30 144.76 n/a .000
098264 -----+ 5.0 02:193 438.81 3.611 1992.0718 2:00 166.31 n/a .000
098272 -----+ 5.0 02:193 438.81 3.611 1992.0718 2:00 166.31 n/a .000
098280 -----+ 5.0 02:193 438.81 3.611 1992.0718 2:00 166.31 n/a .000
098288 -----+ 5.0 02:195 1181.27 12.891 1992.0718 2:55 158.13 n/a .000
098296 SUM -----5.0 02:195 1181.27 12.891 1992.0718 2:55 158.13 n/a .000
098306 R1992L000054-----DmIn-ID:HNVD-----AREAh-OPEARcMs-TpaaDate hh:mm-----RvM-R-C---DWfms
098315 ROUTE CHANNEL --> 5.0 02:215 1181.27 12.891 1992.0718 2:55 158.13 n/a .000
098324 [R/S= 5.00 outc= 5.0 02:1914 1181.27 12.891 1992.0718 3:10 158.13 n/a .000]
098338 (Vmax= .599;Dmax= .419)
098354 R1992L000055-----DmIn-ID:HNVD-----AREAh-OPEARcMs-TpaaDate hh:mm-----RvM-R-C---DWfms
098363 ADD HYD -----+ 5.0 02:189 24.24 .606 1992.0718 1:10 175.94 n/a .000
098371 -----+ 5.0 02:194 1181.24 12.777 1992.0718 3:10 158.13 n/a .000
098380 SUM -----5.0 02:189 1205.51 12.992 1992.0718 3:05 158.49 n/a .000
098390 #####
098400 #####
098411 #####
098420 #####
098430 #####
098440 #####
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099690 #####
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099950 #####
099960 #####
099970 #####
099980 #####
099990 #####

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Main body of the report containing detailed data tables, model parameters, and simulation results. Includes sections for erosion index, runoff, and various model inputs/outputs.

10441 # T?
10442 *****
10443 R1994:00025 -----DtmIn-ID:INHVD-----AREAH-QFEAR-GMS-TpeakDate h:mm-----RvM-R-C-----DMWms
10444 CONTINUOUS NASHVD 5.0 01:197 68.50 .408 1994.0627:18:55 130.63 242.00

10621 #*****
10622 *****
10623 # Ottawa International Airport - 19 July 1967 to 01 Nov 2016
10624 R1995:CO002-----
10625 # BASIC DATA
10626 # [filename = YOM 1967-2016.txt
10627 # [start date= 1995:01:01; End Date= 1995:12:31]
10628 # [DF= 60 min; Length= 8040 hrs; WtrHrs= 332; DryHrs= 7708; PDOT= 538.50]

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08010 # 75
08020 *****
08030 R1995C00023-----DtmIn-ID:INHYD-----AREAhA-OPeARcMs-TpaeDate hh:mm-----RvM-R-C-----DWfCms
08040 CONTINUOUS NASHVD 5.0 01:195 171.81 2.482 1995.1006.1510 203.27 377 0.000
08050 [Cm 64.0: Nm 3.00: Tpe 2.98]
08060 [IARc=24.00: SMH= 57.05: SMAX=380.32: SR= 100]
08070 InterEventTime= 24.00]
08080 *****
08090 # 76
08100 *****
08110 R1995C00024-----DtmIn-ID:INHYD-----AREAhA-OPeARcMs-TpaeDate hh:mm-----RvM-R-C-----DWfCms
08120 CONTINUOUS NASHVD 5.0 01:195 60.20 1.092 1995.1006.1455 230.48 428 0.000
08130 [Cm 77.0: Nm 3.00: Tpe 2.98]
08140 [IARc=24.00: SMH= 31.15: SMAX=207.66: SR= 100]
08150 InterEventTime= 24.00]
08160 *****
08170 # 27
08180 *****
08190 R1995C00025-----DtmIn-ID:INHYD-----AREAhA-OPeARcMs-TpaeDate hh:mm-----RvM-R-C-----DWfCms
08200 CONTINUOUS NASHVD 5.0 01:195 68.20 1.230 1995.1006.1435 239.21 407 0.000
08210 [Cm 72.0: Nm 3.00: Tpe 2.63]
08220 [IARc=24.00: SMH= 39.75: SMAX=264.99: SR= 100]
08230 InterEventTime= 24.00]
08240 *****
08250 R1995C00026-----DtmIn-ID:INHYD-----AREAhA-OPeARcMs-TpaeDate hh:mm-----RvM-R-C-----DWfCms
08260 ROUTE CHANNEL -> 5.0 02:181 111.89 1.891 1995.1006.1340 194.87 n/a 0.000
08270 [RD7= 5.00] outc= 5.0 01:191 111.89 1.576 1995.1006.1455 194.86 n/a 0.000
08280 [L/S= 2381. / .105 / 0.93]
08290 [Vmax: 568:Imax= 1957]
08300 R1995C00027-----DtmIn-ID:INHYD-----AREAhA-OPeARcMs-TpaeDate hh:mm-----RvM-R-C-----DWfCms
08310 ADD HYD + 5.0 02:181 111.89 1.576 1995.1006.1455 194.86 n/a 0.000
08320 + 5.0 02:182 119.73 1.271 1995.1006.1520 185.38 n/a 0.000
08330 + 5.0 02:183 37.07 .495 1995.1006.1350 179.49 n/a 0.000
08340 SUM= 5.0 01:192 270.69 3.381 1995.1006.1455 188.25 n/a 0.000
08350 R1995C00028-----DtmIn-ID:INHYD-----AREAhA-OPeARcMs-TpaeDate hh:mm-----RvM-R-C-----DWfCms
08360 ROUTE CHANNEL -> 5.0 01:192 270.69 3.381 1995.1006.1455 188.25 n/a 0.000
08370 [RD7= 5.00] outc= 5.0 01:192 270.69 3.381 1995.1006.1505 188.25 n/a 0.000
08380 [L/S= 471. / .221 / 0.93]
08390 [Vmax: 610:Imax= 1955]
08400 R1995C00029-----DtmIn-ID:INHYD-----AREAhA-OPeARcMs-TpaeDate hh:mm-----RvM-R-C-----DWfCms
08410 ADD HYD + 5.0 02:182 270.69 3.370 1995.1006.1505 188.25 n/a 0.000
08420 + 5.0 02:183 56.26 .408 1995.1006.1455 189.85 n/a 0.000
08430 SUM= 5.0 01:193 321.65 4.048 1995.1006.1455 187.82 n/a 0.000
08440 R1995C00030-----DtmIn-ID:INHYD-----AREAhA-OPeARcMs-TpaeDate hh:mm-----RvM-R-C-----DWfCms
08450 ROUTE CHANNEL -> 5.0 01:183 321.65 4.048 1995.1006.1455 187.82 n/a 0.000
08460 [RD7= 5.00] outc= 5.0 01:183 321.65 4.000 1995.1006.1510 187.82 n/a 0.000
08470 [L/S= 1084. / .137 / 0.93]
08480 [Vmax: 454:Imax= 487]
08490 R1995C00031-----DtmIn-ID:INHYD-----AREAhA-OPeARcMs-TpaeDate hh:mm-----RvM-R-C-----DWfCms
08500 ROUTE CHANNEL -> 5.0 01:183 321.65 4.048 1995.1006.1455 187.82 n/a 0.000
08510 [RD7= 5.00] outc= 5.0 01:184 1.55 .029 1995.0603.1505 189.95 n/a 0.000
08520 [L/S= 693. / 728.7 / 0.93]
08530 [Vmax: 290:Imax= 990]
08540 R1995C00032-----DtmIn-ID:INHYD-----AREAhA-OPeARcMs-TpaeDate hh:mm-----RvM-R-C-----DWfCms
08550 ADD HYD + 5.0 02:184 1.55 .029 1995.0603.1505 189.95 n/a 0.000
08560 + 5.0 02:183 321.65 4.000 1995.1006.1510 187.82 n/a 0.000
08570 SUM= 5.0 01:185 323.20 4.029 1995.1006.1510 188.15 n/a 0.000
08580 R1995C00033-----DtmIn-ID:INHYD-----AREAhA-OPeARcMs-TpaeDate hh:mm-----RvM-R-C-----DWfCms
08590 ROUTE CHANNEL -> 5.0 01:185 323.20 4.000 1995.1006.1510 188.15 n/a 0.000
08600 [RD7= 5.00] outc= 5.0 01:185 323.20 4.000 1995.1006.1515 188.15 n/a 0.000
08610 [L/S= 664. / 137. / 0.93]
08620 [Vmax: 636:Imax= 618]
08630 R1995C00034-----DtmIn-ID:INHYD-----AREAhA-OPeARcMs-TpaeDate hh:mm-----RvM-R-C-----DWfCms
08640 ADD HYD + 5.0 01:179 379.46 4.774 1995.1006.1515 188.15 n/a 0.000
08650 SUM= 5.0 01:179 379.46 4.774 1995.1006.1515 188.15 n/a 0.000
08660 R1995C00035-----DtmIn-ID:INHYD-----AREAhA-OPeARcMs-TpaeDate hh:mm-----RvM-R-C-----DWfCms
08670 ROUTE CHANNEL -> 5.0 02:181 60.46 4.84 1995.1006.1405 182.82 n/a 0.000
08680 [RD7= 5.00] outc= 5.0 01:186 60.46 4.84 1995.1006.1405 182.82 n/a 0.000
08690 [L/S= 871. / 347 / 0.93]
08700 [Vmax: 793:Imax= 431]
08710 R1995C00036-----DtmIn-ID:INHYD-----AREAhA-OPeARcMs-TpaeDate hh:mm-----RvM-R-C-----DWfCms
08720 ROUTE CHANNEL -> 5.0 02:182 7.62 .167 1995.1006.1215 201.55 n/a 0.000
08730 [RD7= 5.00] outc= 5.0 01:187 7.62 .147 1995.1006.1320 201.55 n/a 0.000
08740 [L/S= 651. / 259.8 / 0.93]
08750 [Vmax: 196:Imax= 115]
08760 R1995C00037-----DtmIn-ID:INHYD-----AREAhA-OPeARcMs-TpaeDate hh:mm-----RvM-R-C-----DWfCms
08770 ROUTE CHANNEL -> 5.0 02:183 17.96 .307 1995.1006.1335 194.87 n/a 0.000
08780 [RD7= 5.00] outc= 5.0 01:188 17.96 .307 1995.1006.1340 194.87 n/a 0.000
08790 [L/S= 981. / 339 / 0.93]
08800 [Vmax: 509:Imax= 287]
08810 R1995C00038-----DtmIn-ID:INHYD-----AREAhA-OPeARcMs-TpaeDate hh:mm-----RvM-R-C-----DWfCms
08820 ADD HYD + 5.0 02:187 7.62 .147 1995.1006.1320 201.55 n/a 0.000
08830 + 5.0 02:188 17.96 .307 1995.1006.1340 194.87 n/a 0.000
08840 SUM= 5.0 01:190 25.58 .453 1995.1006.1340 196.86 n/a 0.000
08850 R1995C00039-----DtmIn-ID:INHYD-----AREAhA-OPeARcMs-TpaeDate hh:mm-----RvM-R-C-----DWfCms
08860 ROUTE CHANNEL -> 5.0 01:190 25.58 .453 1995.1006.1340 196.86 n/a 0.000
08870 [RD7= 5.00] outc= 5.0 01:189 25.58 .453 1995.1006.1340 196.86 n/a 0.000
08880 [L/S= 366. / 414 / 0.93]
08890 [Vmax: 627:Imax= 359]
08900 R1995C00040-----DtmIn-ID:INHYD-----AREAhA-OPeARcMs-TpaeDate hh:mm-----RvM-R-C-----DWfCms
08910 ADD HYD + 5.0 02:189 25.58 .453 1995.1006.1340 196.86 n/a 0.000
08920 + 5.0 02:190 60.46 .012 1995.0603.1455 180.08 n/a 0.000
08930 SUM= 5.0 01:194 86.04 0.465 1995.1006.1405 189.85 n/a 0.000
08940 R1995C00041-----DtmIn-ID:INHYD-----AREAhA-OPeARcMs-TpaeDate hh:mm-----RvM-R-C-----DWfCms
08950 ROUTE CHANNEL -> 5.0 02:186 60.48 1.122 1995.1006.1245 194.87 n/a 0.000
08960 [RD7= 5.00] outc= 5.0 01:191 60.48 1.122 1995.1006.1245 194.87 n/a 0.000
08970 [L/S= 811. / 347 / 0.93]
08980 [Vmax: 509:Imax= 287]
08990 SAVE HYD frame 1:CATCHMENT 148.71 2.392 1995.1006.1325 190.19 n/a 0.000
09000 *****
09010 *****
09020 *****
09030 *****
09040 *****
09050 *****
09060 *****
09070 *****
09080 *****
09090 *****
09100 *****
09110 *****
09120 *****
09130 *****
09140 *****
09150 *****
09160 *****
09170 *****
09180 *****
09190 *****
09200 *****
09210 *****
09220 *****
09230 *****
09240 *****
09250 *****
09260 *****
09270 *****
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09300 *****
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09350 *****
09360 *****
09370 *****
09380 *****
09390 *****
09400 *****
09410 *****
09420 *****
09430 *****
09440 *****
09450 *****
09460 *****
09470 *****
09480 *****
09490 *****
09500 *****
09510 *****
09520 *****
09530 *****
09540 *****
09550 *****
09560 *****
09570 *****
09580 *****
09590 *****
09600 *****
09610 *****
09620 *****
09630 *****
09640 *****
09650 *****
09660 *****
09670 *****
09680 *****
09690 *****
09700 *****
09710 *****
09720 *****
09730 *****
09740 *****
09750 *****
09760 *****
09770 *****
09780 *****
09790 *****
09800 *****

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11161 # 73
11162 *****
11163 R1996:C00019-----DtmIn-ID:HYD-----AREAha-OPEARcm-TPeakDate h:m:s-----RvM-R-C--DWfCms
11164 CONTINUOUS NASHVD 5.0 01:17 12.05 .197 1996.0731 22:10 106.56 208 .000
11165 [Cm 72.0; Nm 3.00; Tpe 1.76]
11166 [IARec=24.00; SMIn= 43.07; SMAX=287.10; SK= 100]
11167 [InterEventTime= 24.00]
11168 *****
11169 # 74
11170 *****
11171 R1996:C00022-----DtmIn-ID:HYD-----AREAha-OPEARcm-TPeakDate h:m:s-----RvM-R-C--DWfCms
11172 CONTINUOUS NASHVD 5.0 01:17 65.89 .701 1996.0731 22:55 109.53 214 .000
11173 [Cm 72.0; Nm 3.00; Tpe 1.76]
11174 [IARec=24.00; SMIn= 39.75; SMAX=264.99; SK= 100]
11175 [InterEventTime= 24.00]
11176 # 75
11177 *****
11178 R1996:C00023-----DtmIn-ID:HYD-----AREAha-OPEARcm-TPeakDate h:m:s-----RvM-R-C--DWfCms
11179 CONTINUOUS NASHVD 5.0 01:17 171.83 .106 1996.0801 1:00 96.98 189 .000
11180 [Cm 64.0; Nm 3.00; Tpe 3.07]
11181 [IARec=24.00; SMIn= 37.03; SMAX=380.32; SK= 100]
11182 [InterEventTime= 24.00]
11183 *****
11184 # 76
11185 *****
11186 R1996:C00024-----DtmIn-ID:HYD-----AREAha-OPEARcm-TPeakDate h:m:s-----RvM-R-C--DWfCms
11187 CONTINUOUS NASHVD 5.0 01:17 60.20 .495 1996.0801 0:50 119.14 233 .000
11188 [Cm 77.0; Nm 3.00; Tpe 2.98]
11189 [IARec=24.00; SMIn= 31.83; SMAX=207.66; SK= 100]
11190 [InterEventTime= 24.00]
11191 *****
11192 # 77
11193 *****
11194 R1996:C00025-----DtmIn-ID:HYD-----AREAha-OPEARcm-TPeakDate h:m:s-----RvM-R-C--DWfCms
11195 CONTINUOUS NASHVD 5.0 01:17 68.50 .541 1996.0801 0:30 109.53 214 .000
11196 [Cm 72.0; Nm 3.00; Tpe 1.76]
11197 [IARec=24.00; SMIn= 39.75; SMAX=264.99; SK= 100]
11198 [InterEventTime= 24.00]
11199 *****
11200 # 78
11201 *****
11202 R1996:C00026-----DtmIn-ID:HYD-----AREAha-OPEARcm-TPeakDate h:m:s-----RvM-R-C--DWfCms
11203 ROUTE CHANNEL -> 5.0 01:21 111.89 .600 1996.0801 1:00 90.78 n/a .000
11204 [R/n= 2.81; / 100; /0.95]
11205 [Vmax= 311;Dmax= 423]
11206 R1996:C00027-----DtmIn-ID:HYD-----AREAha-OPEARcm-TPeakDate h:m:s-----RvM-R-C--DWfCms
11207 ADD HYD + 5.0 02:02 119.73 .513 1996.0801 1:10 84.10 n/a .000
11208 + 5.0 02:03 39.07 .205 1996.0731 22:55 78.19 n/a .000
11209 SUM= 5.0 01:12 270.49 1.267 1996.0801 1:15 85.70 n/a .000
11210 R1996:C00028-----DtmIn-ID:HYD-----AREAha-OPEARcm-TPeakDate h:m:s-----RvM-R-C--DWfCms
11211 ROUTE CHANNEL -> 5.0 01:23 321.65 1.516 1996.0801 0:50 85.70 n/a .000
11212 [R/n= 4.00; / 100; /0.95]
11213 [Vmax= 471;Dmax= 493]
11214 R1996:C00029-----DtmIn-ID:HYD-----AREAha-OPEARcm-TPeakDate h:m:s-----RvM-R-C--DWfCms
11215 ADD HYD + 5.0 02:04 119.73 .513 1996.0801 1:10 84.10 n/a .000
11216 + 5.0 02:03 39.07 .205 1996.0731 22:55 78.19 n/a .000
11217 SUM= 5.0 01:12 270.49 1.267 1996.0801 1:15 85.70 n/a .000
11218 R1996:C00030-----DtmIn-ID:HYD-----AREAha-OPEARcm-TPeakDate h:m:s-----RvM-R-C--DWfCms
11219 ROUTE CHANNEL -> 5.0 01:23 321.65 1.516 1996.0801 0:50 85.70 n/a .000
11220 [R/n= 4.00; / 100; /0.95]
11221 [Vmax= 471;Dmax= 493]
11222 R1996:C00031-----DtmIn-ID:HYD-----AREAha-OPEARcm-TPeakDate h:m:s-----RvM-R-C--DWfCms
11223 ADD HYD + 5.0 02:04 119.73 .513 1996.0801 1:10 84.10 n/a .000
11224 + 5.0 02:03 39.07 .205 1996.0731 22:55 78.19 n/a .000
11225 SUM= 5.0 01:12 270.49 1.267 1996.0801 1:15 85.70 n/a .000
11226 R1996:C00032-----DtmIn-ID:HYD-----AREAha-OPEARcm-TPeakDate h:m:s-----RvM-R-C--DWfCms
11227 ROUTE CHANNEL -> 5.0 01:24 379.46 1.777 1996.0801 1:00 85.94 n/a .000
11228 [R/n= 5.00; / 100; /0.95]
11229 [Vmax= 664; / 157; /0.95]
11230 R1996:C00033-----DtmIn-ID:HYD-----AREAha-OPEARcm-TPeakDate h:m:s-----RvM-R-C--DWfCms
11231 ADD HYD + 5.0 02:04 119.73 .513 1996.0801 1:10 84.10 n/a .000
11232 + 5.0 02:03 39.07 .205 1996.0731 22:55 78.19 n/a .000
11233 SUM= 5.0 01:12 270.49 1.267 1996.0801 1:15 85.70 n/a .000
11234 R1996:C00034-----DtmIn-ID:HYD-----AREAha-OPEARcm-TPeakDate h:m:s-----RvM-R-C--DWfCms
11235 ROUTE CHANNEL -> 5.0 01:24 379.46 1.777 1996.0801 1:00 85.94 n/a .000
11236 [R/n= 5.00; / 100; /0.95]
11237 [Vmax= 664; / 157; /0.95]
11238 R1996:C00035-----DtmIn-ID:HYD-----AREAha-OPEARcm-TPeakDate h:m:s-----RvM-R-C--DWfCms
11239 ADD HYD + 5.0 02:05 119.73 .513 1996.0801 1:10 84.10 n/a .000
11240 + 5.0 02:04 119.73 .513 1996.0801 1:10 84.10 n/a .000
11241 SUM= 5.0 01:12 270.49 1.267 1996.0801 1:15 85.70 n/a .000
11242 R1996:C00036-----DtmIn-ID:HYD-----AREAha-OPEARcm-TPeakDate h:m:s-----RvM-R-C--DWfCms
11243 ROUTE CHANNEL -> 5.0 01:25 406.46 1.953 1996.0731 23:00 82.07 n/a .000
11244 [R/n= 5.00; / 100; /0.95]
11245 [Vmax= 871; / 347; /0.95]
11246 R1996:C00037-----DtmIn-ID:HYD-----AREAha-OPEARcm-TPeakDate h:m:s-----RvM-R-C--DWfCms
11247 ADD HYD + 5.0 02:06 119.73 .513 1996.0801 1:10 84.10 n/a .000
11248 + 5.0 02:05 119.73 .513 1996.0801 1:10 84.10 n/a .000
11249 SUM= 5.0 01:12 270.49 1.267 1996.0801 1:15 85.70 n/a .000
11250 R1996:C00038-----DtmIn-ID:HYD-----AREAha-OPEARcm-TPeakDate h:m:s-----RvM-R-C--DWfCms
11251 ROUTE CHANNEL -> 5.0 01:26 436.46 2.139 1996.0731 23:00 82.07 n/a .000
11252 [R/n= 5.00; / 100; /0.95]
11253 [Vmax= 948; / 374; /0.95]
11254 R1996:C00039-----DtmIn-ID:HYD-----AREAha-OPEARcm-TPeakDate h:m:s-----RvM-R-C--DWfCms
11255 ADD HYD + 5.0 02:07 119.73 .513 1996.0801 1:10 84.10 n/a .000
11256 + 5.0 02:06 119.73 .513 1996.0801 1:10 84.10 n/a .000
11257 SUM= 5.0 01:12 270.49 1.267 1996.0801 1:15 85.70 n/a .000
11258 R1996:C00040-----DtmIn-ID:HYD-----AREAha-OPEARcm-TPeakDate h:m:s-----RvM-R-C--DWfCms
11259 ROUTE CHANNEL -> 5.0 01:27 466.46 2.321 1996.0731 23:00 82.07 n/a .000
11260 [R/n= 5.00; / 100; /0.95]
11261 [Vmax= 1189; / 470; /0.95]
11262 R1996:C00041-----DtmIn-ID:HYD-----AREAha-OPEARcm-TPeakDate h:m:s-----RvM-R-C--DWfCms
11263 ADD HYD + 5.0 02:08 119.73 .513 1996.0801 1:10 84.10 n/a .000
11264 + 5.0 02:07 119.73 .513 1996.0801 1:10 84.10 n/a .000
11265 SUM= 5.0 01:12 270.49 1.267 1996.0801 1:15 85.70 n/a .000
11266 R1996:C00042-----DtmIn-ID:HYD-----AREAha-OPEARcm-TPeakDate h:m:s-----RvM-R-C--DWfCms
11267 ROUTE CHANNEL -> 5.0 01:28 494.46 2.505 1996.0731 23:00 82.07 n/a .000
11268 [R/n= 5.00; / 100; /0.95]
11269 [Vmax= 1428; / 560; /0.95]
11270 R1996:C00043-----DtmIn-ID:HYD-----AREAha-OPEARcm-TPeakDate h:m:s-----RvM-R-C--DWfCms
11271 ADD HYD + 5.0 02:09 119.73 .513 1996.0801 1:10 84.10 n/a .000
11272 + 5.0 02:08 119.73 .513 1996.0801 1:10 84.10 n/a .000
11273 SUM= 5.0 01:12 270.49 1.267 1996.0801 1:15 85.70 n/a .000
11274 R1996:C00044-----DtmIn-ID:HYD-----AREAha-OPEARcm-TPeakDate h:m:s-----RvM-R-C--DWfCms
11275 SAVE HYD + 5.0 02:10 119.73 .513 1996.0801 1:10 84.10 n/a .000
11276 [Cm 75.0; Nm 3.00; Tpe 1.76]
11277 [IARec=24.00; SMIn= 43.07; SMAX=287.10; SK= 100]
11278 [InterEventTime= 24.00]
11279 R1996:C00045-----DtmIn-ID:HYD-----AREAha-OPEARcm-TPeakDate h:m:s-----RvM-R-C--DWfCms
11280 ROUTE CHANNEL -> 5.0 01:29 526.52 2.474 1996.0801 0:40 86.35 n/a .000
11281 [R/n= 5.00; / 100; /0.95]
11282 [Vmax= 1814; / 714; /0.95]
11283 R1996:C00046-----DtmIn-ID:HYD-----AREAha-OPEARcm-TPeakDate h:m:s-----RvM-R-C--DWfCms
11284 ADD HYD + 5.0 02:11 119.73 .513 1996.0801 1:10 84.10 n/a .000
11285 + 5.0 02:10 119.73 .513 1996.0801 1:10 84.10 n/a .000
11286 SUM= 5.0 01:12 270.49 1.267 1996.0801 1:15 85.70 n/a .000
11287 R1996:C00047-----DtmIn-ID:HYD-----AREAha-OPEARcm-TPeakDate h:m:s-----RvM-R-C--DWfCms
11288 ROUTE CHANNEL -> 5.0 01:31 554.52 2.642 1996.0801 0:45 86.35 n/a .000
11289 [R/n= 5.00; / 100; /0.95]
11290 [Vmax= 2084; / 814; /0.95]
11291 R1996:C00048-----DtmIn-ID:HYD-----AREAha-OPEARcm-TPeakDate h:m:s-----RvM-R-C--DWfCms
11292 ADD HYD + 5.0 02:12 119.73 .513 1996.0801 1:10 84.10 n/a .000
11293 + 5.0 02:11 119.73 .513 1996.0801 1:10 84.10 n/a .000
11294 SUM= 5.0 01:12 270.49 1.267 1996.0801 1:15 85.70 n/a .000
11295 R1996:C00049-----DtmIn-ID:HYD-----AREAha-OPEARcm-TPeakDate h:m:s-----RvM-R-C--DWfCms
11296 ROUTE CHANNEL -> 5.0 01:32 582.52 2.730 1996.0801 0:40 87.59 n/a .000
11297 [R/n= 5.00; / 100; /0.95]
11298 [Vmax= 2368; / 924; /0.95]
11299 R1996:C00050-----DtmIn-ID:HYD-----AREAha-OPEARcm-TPeakDate h:m:s-----RvM-R-C--DWfCms
11300 ADD HYD + 5.0 02:13 119.73 .513 1996.0801 1:10 84.10 n/a .000
11301 + 5.0 02:12 119.73 .513 1996.0801 1:10 84.10 n/a .000
11302 SUM= 5.0 01:12 270.49 1.267 1996.0801 1:15 85.70 n/a .000
11303 R1996:C00051-----DtmIn-ID:HYD-----AREAha-OPEARcm-TPeakDate h:m:s-----RvM-R-C--DWfCms
11304 ROUTE CHANNEL -> 5.0 01:33 610.52 2.898 1996.0731 23:15 108.18 n/a .000
11305 [R/n= 5.00; / 100; /0.95]
11306 [Vmax= 2712; / 1042; /0.95]
11307 R1996:C00052-----DtmIn-ID:HYD-----AREAha-OPEARcm-TPeakDate h:m:s-----RvM-R-C--DWfCms
11308 ADD HYD + 5.0 02:14 119.73 .513 1996.0801 1:10 84.10 n/a .000
11309 + 5.0 02:13 119.73 .513 1996.0801 1:10 84.10 n/a .000
11310 SUM= 5.0 01:12 270.49 1.267 1996.0801 1:15 85.70 n/a .000
11311 R1996:C00053-----DtmIn-ID:HYD-----AREAha-OPEARcm-TPeakDate h:m:s-----RvM-R-C--DWfCms
11312 ROUTE CHANNEL -> 5.0 01:34 636.52 3.056 1996.0731 23:15 108.18 n/a .000
11313 [R/n= 5.00; / 100; /0.95]
11314 [Vmax= 3046; / 1186; /0.95]
11315 R1996:C00054-----DtmIn-ID:HYD-----AREAha-OPEARcm-TPeakDate h:m:s-----RvM-R-C--DWfCms
11316 ADD HYD + 5.0 02:15 119.73 .513 1996.0801 1:10 84.10 n/a .000
11317 + 5.0 02:14 119.73 .513 1996.0801 1:10 84.10 n/a .000
11318 SUM= 5.0 01:12 270.49 1.267 1996.0801 1:15 85.70 n/a .000
11319 R1996:C00055-----DtmIn-ID:HYD-----AREAha-OPEARcm-TPeakDate h:m:s-----RvM-R-C--DWfCms
11320 ROUTE CHANNEL -> 5.0 01:35 660.52 3.314 1996.0731 23:15 108.18 n/a .000
11321 [R/n= 5.00; / 100; /0.95]
11322 [Vmax= 3390; / 1326; /0.95]
11323 R1996:C00056-----DtmIn-ID:HYD-----AREAha-OPEARcm-TPeakDate h:m:s-----RvM-R-C--DWfCms
11324 ADD HYD + 5.0 02:16 119.73 .513 1996.0801 1:10 84.10 n/a .000
11325 + 5.0 02:15 119.73 .513 1996.0801 1:10 84.10 n/a .000
11326 SUM= 5.0 01:12 270.49 1.267 1996.0801 1:15 85.70 n/a .000
11327 R1996:C00057-----DtmIn-ID:HYD-----AREAha-OPEARcm-TPeakDate h:m:s-----RvM-R-C--DWfCms
11328 ROUTE CHANNEL -> 5.0 01:36 686.52 3.570 1996.0731 23:15 108.18 n/a .000
11329 [R/n= 5.00; / 100; /0.95]
11330 [Vmax= 3734; / 1470; /0.95]
11331 R1996:C00058-----DtmIn-ID:HYD-----AREAha-OPEARcm-TPeakDate h:m:s-----RvM-R-C--DWfCms
11332 ADD HYD + 5.0 02:17 119.73 .513 1996.0801 1:10 84.10 n/a .000
11333 + 5.0 02:16 119.73 .513 1996.0801 1:10 84.10 n/a .000
11334 SUM= 5.0 01:12 270.49 1.267 1996.0801 1:15 85.70 n/a .000
11335 R1996:C00059-----DtmIn-ID:HYD-----AREAha-OPEARcm-TPeakDate h:m:s-----RvM-R-C--DWfCms
11336 ROUTE CHANNEL -> 5.0 01:37 712.52 3.826 1996.0731 23:15 108.18 n/a .000
11337 [R/n= 5.00; / 100; /0.95]
11338 [Vmax= 4182; / 1614; /0.95]
11339 R1996:C00060-----DtmIn-ID:HYD-----AREAha-OPEARcm-TPeakDate h:m:s-----RvM-R-C--DWfCms
11340 ADD HYD + 5.0 02:18 119.73 .513 1996.0801 1:10 84.10 n/a .000
11341 + 5.0 02:17 119.73 .513 1996.0801 1:10 84.10 n/a .000
11342 SUM= 5.0 01:12 270.49 1.267 1996.0801 1:15 85.70 n/a .000

15121 # 71
15122 *****
15123 R1997C0019 *****DtnIn-ID:HNVD-AREAh-A-OPeARgs-TPeakDate h:hm:m--Rv:m-R-C---DWf:m
CONTINUOUS NASHVD 5.0 01:171 79.25 .522 1997.0222 3:55 68.80 1:59 .000
[Chk 72.0i Nm 3.00i Tpe 1.46i]
15124 *****
15125 [iArEC=24.0i SMIN: 43.0i; SMAX=287.10i; SR= 100i]
15126 *****
15127 InterEventTime 24.00i
15128 *****
15129 # 72
15130 *****
15131 R1997C0020 *****DtnIn-ID:HNVD-AREAh-A-OPeARgs-TPeakDate h:hm:m--Rv:m-R-C---DWf:m
CONTINUOUS NASHVD 5.0 01:174 109.81 .626 1997.0222 4:30 70.96 1:64 .000
[Chk 72.0i Nm 3.00i Tpe 1.46i]
15132 *****
15133 [iArEC=24.0i SMIN: 39.75i; SMAX=264.99i; SR= 100i]
15134 *****
15135 InterEventTime 24.00i
15136 *****
15137 # 23
15138 *****
15139 R1997C0021 *****DtnIn-ID:HNVD-AREAh-A-OPeARgs-TPeakDate h:hm:m--Rv:m-R-C---DWf:m
CONTINUOUS NASHVD 5.0 01:173 122.05 .101 1997.0222 3:25 68.80 1:59 .000
[Chk 70.0i Nm 3.00i Tpe .87i]
15140 *****
15141 [iArEC=24.0i SMIN: 43.0i; SMAX=287.10i; SR= 100i]
15142 *****
15143 InterEventTime 24.00i
15144 *****
15145 # 74
15146 *****
15147 R1997C0022 *****DtnIn-ID:HNVD-AREAh-A-OPeARgs-TPeakDate h:hm:m--Rv:m-R-C---DWf:m
CONTINUOUS NASHVD 5.0 01:174 65.89 .439 1997.0222 4:00 70.96 1:64 .000
[Chk 72.0i Nm 3.00i Tpe 1.46i]
15148 *****
15149 [iArEC=24.0i SMIN: 39.75i; SMAX=264.99i; SR= 100i]
15150 *****
15151 InterEventTime 24.00i
15152 *****
15153 # 75
15154 *****
15155 R1997C0023 *****DtnIn-ID:HNVD-AREAh-A-OPeARgs-TPeakDate h:hm:m--Rv:m-R-C---DWf:m
CONTINUOUS NASHVD 5.0 01:175 171.81 .657 1997.0222 5:15 62.07 1:43 .000
[Chk 60.0i Nm 3.00i Tpe 1.07i]
15156 *****
15157 [iArEC=24.0i SMIN: 57.05i; SMAX=380.32i; SR= 100i]
15158 *****
15159 InterEventTime 24.00i
15160 *****
15161 # 76
15162 *****
15163 R1997C0024 *****DtnIn-ID:HNVD-AREAh-A-OPeARgs-TPeakDate h:hm:m--Rv:m-R-C---DWf:m
CONTINUOUS NASHVD 5.0 01:176 60.20 .335 1997.0222 5:05 78.26 1:81 .000
[Chk 71.0i Nm 3.00i Tpe 1.49i]
15164 *****
15165 [iArEC=24.0i SMIN: 31.15i; SMAX=207.66i; SR= 100i]
15166 *****
15167 InterEventTime 24.00i
15168 *****
15169 # 27
15170 *****
15171 R1997C0025 *****DtnIn-ID:HNVD-AREAh-A-OPeARgs-TPeakDate h:hm:m--Rv:m-R-C---DWf:m
CONTINUOUS NASHVD 5.0 01:177 68.50 .363 1997.0222 4:50 70.96 1:64 .000
[Chk 72.0i Nm 3.00i Tpe 2.63i]
15172 *****
15173 [iArEC=24.0i SMIN: 39.75i; SMAX=264.99i; SR= 100i]
15174 *****
15175 InterEventTime 24.00i
15176 *****
15177 R1997C0026 *****DtnIn-ID:HNVD-AREAh-A-OPeARgs-TPeakDate h:hm:m--Rv:m-R-C---DWf:m
ROUTE CHANNEL -> 5.0 02:181 111.89 .529 1997.0222 4:00 59.87 n/a .000
[RD75 5.00i out<- 5.0 01:181 111.89 .376 1997.0222 5:15 57.86 n/a .000]
15178 *****
15179 [iAr/n= 181.7 / 107.0 / 107.0 / 107.0]
15180 *****
15181 [Vmax = 298i;Dmax= 137i]
15182 *****
15183 R1997C0027 *****DtnIn-ID:HNVD-AREAh-A-OPeARgs-TPeakDate h:hm:m--Rv:m-R-C---DWf:m
ADD HYD 5.0 02:181 111.89 .376 1997.0222 5:15 57.86 n/a .000
15184 *****
15185 [iArEC=24.0i SMIN: 119.73i; SMAX=199.0222 8:25 53.35 n/a .000]
15186 *****
15187 SUM 5.0 02:181 125.99 .457 1997.0222 5:05 54.43 n/a .000
15188 *****
15189 R1997C0028 *****DtnIn-ID:HNVD-AREAh-A-OPeARgs-TPeakDate h:hm:m--Rv:m-R-C---DWf:m
ROUTE CHANNEL -> 5.0 02:182 270.69 .811 1997.0222 8:15 54.63 n/a .000
[RD75 5.00i out<- 5.0 01:182 270.69 .807 1997.0222 8:30 54.63 n/a .000]
15190 *****
15191 [iAr/n= 471.7 / 221.0 / 339.0 / 339.0]
15192 *****
15193 [Vmax = 406i;Dmax= 110i]
15194 *****
15195 R1997C0029 *****DtnIn-ID:HNVD-AREAh-A-OPeARgs-TPeakDate h:hm:m--Rv:m-R-C---DWf:m
ADD HYD 5.0 02:182 270.69 .807 1997.0222 8:15 54.63 n/a .000
15196 *****
15197 [iArEC=24.0i SMIN: 50.96i; SMAX=199.0222 4:55 53.35 n/a .000]
15198 *****
15199 SUM 5.0 02:182 321.65 .966 1997.0222 5:05 54.43 n/a .000
15200 *****
15201 R1997C0030 *****DtnIn-ID:HNVD-AREAh-A-OPeARgs-TPeakDate h:hm:m--Rv:m-R-C---DWf:m
ROUTE CHANNEL -> 5.0 01:183 321.65 .966 1997.0222 8:40 54.43 n/a .000
[RD75 5.00i out<- 5.0 01:183 321.65 .966 1997.0222 8:40 54.43 n/a .000]
15202 *****
15203 [iAr/n= 734 / 107.0 / 103]
15204 *****
15205 [Vmax = 271i;Dmax= 199i]
15206 *****
15207 R1997C0031 *****DtnIn-ID:HNVD-AREAh-A-OPeARgs-TPeakDate h:hm:m--Rv:m-R-C---DWf:m
ROUTE CHANNEL -> 5.0 01:184 1.55 .009 1997.0222 3:25 55.34 n/a .000
[RD75 5.00i out<- 5.0 01:184 1.55 .009 1997.0222 3:25 55.34 n/a .000]
15208 *****
15209 [iAr/n= 493 / 720 / 335]
15210 *****
15211 [Vmax = 231i;Dmax= 100i]
15212 *****
15213 R1997C0032 *****DtnIn-ID:HNVD-AREAh-A-OPeARgs-TPeakDate h:hm:m--Rv:m-R-C---DWf:m
ADD HYD 5.0 02:183 321.65 .966 1997.0222 8:40 54.43 n/a .000
15214 *****
15215 [iArEC=24.0i SMIN: 56.26i; SMAX=228.199.0222 4:25 55.34 n/a .000]
15216 *****
15217 SUM 5.0 02:183 379.46 .117 1997.0222 8:25 54.60 n/a .000
15218 *****
15219 R1997C0033 *****DtnIn-ID:HNVD-AREAh-A-OPeARgs-TPeakDate h:hm:m--Rv:m-R-C---DWf:m
ROUTE CHANNEL -> 5.0 01:185 379.46 .117 1997.0222 8:45 54.60 n/a .000
[RD75 5.00i out<- 5.0 01:185 379.46 .117 1997.0222 8:45 54.60 n/a .000]
15220 *****
15221 [iAr/n= 684 / 157 / 103]
15222 *****
15223 [Vmax = 402i;Dmax= 199i]
15224 *****
15225 R1997C0034 *****DtnIn-ID:HNVD-AREAh-A-OPeARgs-TPeakDate h:hm:m--Rv:m-R-C---DWf:m
ADD HYD 5.0 02:186 379.46 .117 1997.0222 8:45 54.60 n/a .000
15226 *****
15227 [iArEC=24.0i SMIN: 379.46i; SMAX=1117.099.0222 8:45 54.60 n/a .000]
15228 *****
15229 SUM 5.0 02:187 379.46 .117 1997.0222 8:45 54.60 n/a .000
15230 *****
15231 R1997C0035 *****DtnIn-ID:HNVD-AREAh-A-OPeARgs-TPeakDate h:hm:m--Rv:m-R-C---DWf:m
ROUTE CHANNEL -> 5.0 01:186 60.46 .212 1997.0222 4:30 51.96 n/a .000
[RD75 5.00i out<- 5.0 01:186 60.46 .212 1997.0222 4:30 51.96 n/a .000]
15232 *****
15233 [iAr/n= 971.7 / 343.0 / 343.0 / 343.0]
15234 *****
15235 [Vmax = 469i;Dmax= 222i]
15236 *****
15237 R1997C0036 *****DtnIn-ID:HNVD-AREAh-A-OPeARgs-TPeakDate h:hm:m--Rv:m-R-C---DWf:m
ROUTE CHANNEL -> 5.0 01:188 17.96 .087 1997.0222 4:05 57.86 n/a .000
[RD75 5.00i out<- 5.0 01:188 17.96 .087 1997.0222 4:05 57.86 n/a .000]
15238 *****
15239 [iAr/n= 181.7 / 239.0 / 135.0 / 135.0]
15240 *****
15241 [Vmax = 353i;Dmax= 174i]
15242 *****
15243 R1997C0038 *****DtnIn-ID:HNVD-AREAh-A-OPeARgs-TPeakDate h:hm:m--Rv:m-R-C---DWf:m
ADD HYD 5.0 02:189 17.96 .087 1997.0222 4:05 57.86 n/a .000
15244 *****
15245 [iArEC=24.0i SMIN: 25.58i; SMAX=129.099.0222 4:05 58.86 n/a .000]
15246 *****
15247 SUM 5.0 02:189 17.96 .087 1997.0222 4:05 58.86 n/a .000
15248 *****
15249 R1997C0039 *****DtnIn-ID:HNVD-AREAh-A-OPeARgs-TPeakDate h:hm:m--Rv:m-R-C---DWf:m
ROUTE CHANNEL -> 5.0 02:190 25.58 .129 1997.0222 4:00 58.86 n/a .000
[RD75 5.00i out<- 5.0 02:190 25.58 .129 1997.0222 4:00 58.86 n/a .000]
15250 *****
15251 [iAr/n= 366 / 414 / 303]
15252 *****
15253 [Vmax = 408i;Dmax= 199i]
15254 *****
15255 R1997C0040 *****DtnIn-ID:HNVD-AREAh-A-OPeARgs-TPeakDate h:hm:m--Rv:m-R-C---DWf:m
ADD HYD 5.0 02:196 60.46 .212 1997.0222 4:30 51.96 n/a .000
15256 *****
15257 [iArEC=24.0i SMIN: 60.46i; SMAX=212.199.0222 4:30 51.96 n/a .000]
15258 *****
15259 SUM 5.0 02:196 60.46 .212 1997.0222 4:30 51.96 n/a .000
15260 *****
15261 R1997C0041 *****DtnIn-ID:HNVD-AREAh-A-OPeARgs-TPeakDate h:hm:m--Rv:m-R-C---DWf:m
ROUTE CHANNEL -> 5.0 02:192 526.62 .169 1997.0222 8:05 54.87 n/a .000
[RD75 5.00i out<- 5.0 02:192 526.62 .169 1997.0222 8:05 54.87 n/a .000]
15262 *****
15263 [iAr/n= 308 / 107 / 103]
15264 *****
15265 [Vmax = 324i;Dmax= 199i]
15266 *****
15267 R1997C0044 *****DtnIn-ID:HNVD-AREAh-A-OPeARgs-TPeakDate h:hm:m--Rv:m-R-C---DWf:m
ADD HYD 5.0 02:196 25.62 .127 1997.0222 4:10 60.34 n/a .000
15268 *****
15269 [iArEC=24.0i SMIN: 14.26i; SMAX=133.099.0222 3:30 79.60 n/a .000]
15270 *****
15271 SUM 5.0 02:197 14.26 .127 1997.0222 3:30 79.60 n/a .000
15272 *****
15273 R1997C0045 *****DtnIn-ID:HNVD-AREAh-A-OPeARgs-TPeakDate h:hm:m--Rv:m-R-C---DWf:m
ROUTE CHANNEL -> 5.0 01:212 566.50 .011 8040.50 84.67 1.05 9 .787x10^5
[Chk 75.0i Nm 3.00i Tpe 1.23i]
15274 *****
15275 [iArEC=24.0i SMIN: 566.50i; SMAX=188.019.0222 4:50 60.34 n/a .000]
15276 *****
15277 [iAr/n= 181.7 / 107.0 / 103]
15278 *****
15279 [Vmax = 324i;Dmax= 199i]
15280 *****
15281 R1997C0048 *****DtnIn-ID:HNVD-AREAh-A-OPeARgs-TPeakDate h:hm:m--Rv:m-R-C---DWf:m
ADD HYD 5.0 02:271 79.25 .522 1997.0222 3:55 68.80 n/a .000
15282 *****
15283 [iArEC=24.0i SMIN: 199.81i; SMAX=199.0222 3:55 68.80 n/a .000]
15284 *****
15285 SUM 5.0 02:273 12.05 .101 1997.0222 3:25 68.80 n/a .000
15286 *****
15287 R1997C0049 *****DtnIn-ID:HNVD-AREAh-A-OPeARgs-TPeakDate h:hm:m--Rv:m-R-C---DWf:m
ROUTE CHANNEL -> 5.0 02:213 201.11 .126 1997.0222 4:05 69.98 n/a .000
[RD75 5.00i out<- 5.0 02:213 201.11 .126 1997.0222 4:05 69.98 n/a .000]
15288 *****
15289 [iAr/n= 106 / 116 / 103]
15290 *****
15291 [Vmax = 169i;Dmax= 199i]
15292 *****
15293 R1997C0050 *****DtnIn-ID:HNVD-AREAh-A-OPeARgs-TPeakDate h:hm:m--Rv:m-R-C---DWf:m
ADD HYD 5.0 02:274 65.89 .439 1997.0222 4:00 70.96 n/a .000
15294 *****
15295 [iArEC=24.0i SMIN: 171.81i; SMAX=657.199.0222 5:15 62.07 n/a .000]
15296 *****
15297 SUM 5.0 02:212 201.11 .126 1997.0222 4:20 69.98 n/a .000
15298 *****
15299 R1997C0051 *****DtnIn-ID:HNVD-AREAh-A-OPeARgs-TPeakDate h:hm:m--Rv:m-R-C---DWf:m
ROUTE CHANNEL -> 5.0 02:214 438.81 .238 1997.0222 4:25 67.03 n/a .000
[RD75 5.00i out<- 5.0 02:214 438.81 .238 1997.0222 4:25 67.03 n/a .000]
15300 *****

1701> [iAr/n= 1015 / 107 / 103]
1702> [Vmax = 361i;Dmax= 74i]
1703> R1997C0005 *****DtnIn-ID:HNVD-AREAh-A-OPeARgs-TPeakDate h:hm:m--Rv:m-R-C---DWf:m
ADD HYD 5.0 02:276 60.20 .335 1997.0222 5:05 78.26 n/a .000
1704> *****
1705> [iArEC=24.0i SMIN: 68.50i; SMAX=363.199.0222 4:50 70.96 n/a .000]
1706> *****
1707> SUM 5.0 02:247 47.26 .298 1997.0222 4:25 75.68 n/a .000
1708> *****
1709> [iArEC=24.0i SMIN: 566.50i; SMAX=4.722 1997.0222 5:05 62.76 n/a .000]
1710> *****
1711> R1997C0005 *****DtnIn-ID:HNVD-AREAh-A-OPeARgs-TPeakDate h:hm:m--Rv:m-R-C---DWf:m
ROUTE CHANNEL -> 5.0 02:115 1181.27 4.689 1997.0222 5:05 62.76 n/a .000
[RD75 5.00i out<- 5.0 02:114 1181.27 4.633 1997.0222 5:25 62.76 n/a .000]
1712> *****
1713> [iAr/n= 556 / 107 / 103]
1714> [Vmax = 410i;Dmax= 199i]
1715> *****
1716> R1997C0005 *****DtnIn-ID:HNVD-AREAh-A-OPeARgs-TPeakDate h:hm:m--Rv:m-R-C---DWf:m
ADD HYD 5.0 02:129 24.24 .200 1997.0222 3:30 72.09 n/a .000
1717> *****
1718> SUM 5.0 01:007 1205.51 4.722 1997.0222 5:20 62.95 n/a .000
1719> *****
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12241 # M7
12242 *****
12243 R1999.C0015 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
CONTINUOUS NASHYD 5.0 0197 47.26 .429 1999.0906.1705 107.27 .253 .000
[Ch: 70.0; Nm: 3.00; Tm: 1.33]
12244 [IAREC=24.0; SMIN=31.81; SMAX=225.43; SR= 100]
InterEventTime: 24.00]
12245 *****
12246 # M8
12247 *****
12248 R1999.C0016 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
CONTINUOUS NASHYD 5.0 0187 14.26 .193 1999.0906.1540 111.40 .263 .000
[Ch: 78.0; Nm: 3.00; Tm: 1.13]
12249 [IAREC=24.0; SMIN=29.88; SMAX=199.22; SR= 100]
InterEventTime: 24.00]
12250 *****
12251 # M9
12252 *****
12253 R1999.C0017 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
CONTINUOUS NASHYD 5.0 0199 24.40 .489 1999.0906.1540 103.37 .244 .000
[Ch: 73.0; Nm: 3.00; Tm: 1.13]
12254 [IAREC=24.0; SMIN=31.81; SMAX=254.55; SR= 100]
InterEventTime: 24.00]
12255 *****
12256 # SITE
12257 *****
12258 CONTINUOUS NASHYD 5.0 0199 60.48 .492 1999.0906.1550 86.45 .204 .000
[Ch: 59.0; Nm: 3.00; Tm: 1.16]
12259 [IAREC=24.0; SMIN=70.13; SMAX=467.39; SR= 100]
InterEventTime: 24.00]
12260 *****
12261 # T1
12262 *****
12263 R1999.C0018 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
CONTINUOUS NASHYD 5.0 0171 79.25 .764 1999.0906.1625 99.67 .235 .000
[Ch: 70.0; Nm: 3.00; Tm: 1.44]
12264 [IAREC=24.0; SMIN=43.07; SMAX=287.10; SR= 100]
InterEventTime: 24.00]
12265 *****
12266 # T2
12267 *****
12268 R1999.C0019 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
CONTINUOUS NASHYD 5.0 0172 109.81 .903 1999.0906.1710 102.12 .214 .000
[Ch: 71.0; Nm: 3.00; Tm: 1.34]
12269 [IAREC=24.0; SMIN=39.75; SMAX=264.99; SR= 100]
InterEventTime: 24.00]
12270 *****
12271 # T3
12272 *****
12273 R1999.C0020 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
CONTINUOUS NASHYD 5.0 0173 12.05 .146 1999.0906.1525 99.07 .239 .000
[Ch: 70.0; Nm: 3.00; Tm: .87]
12274 [IAREC=24.0; SMIN=43.07; SMAX=287.10; SR= 100]
InterEventTime: 24.00]
12275 *****
12276 # T4
12277 *****
12278 R1999.C0021 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
CONTINUOUS NASHYD 5.0 0174 65.89 .641 1999.0906.1635 102.12 .241 .000
[Ch: 72.0; Nm: 3.00; Tm: 1.76]
12279 [IAREC=24.0; SMIN=57.03; SMAX=264.99; SR= 100]
InterEventTime: 24.00]
12280 *****
12281 # T5
12282 *****
12283 R1999.C0022 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
CONTINUOUS NASHYD 5.0 0175 171.81 .946 1999.0906.1750 91.65 .216 .000
[Ch: 61.0; Nm: 3.00; Tm: 1.07]
12284 [IAREC=24.0; SMIN=57.03; SMAX=380.32; SR= 100]
InterEventTime: 24.00]
12285 *****
12286 # T6
12287 *****
12288 R1999.C0023 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
CONTINUOUS NASHYD 5.0 0176 60.20 .473 1999.0906.1740 110.00 .259 .000
[Ch: 71.0; Nm: 3.00; Tm: 1.34]
12289 [IAREC=24.0; SMIN=31.15; SMAX=207.66; SR= 100]
InterEventTime: 24.00]
12290 *****
12291 # T7
12292 *****
12293 R1999.C0024 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
CONTINUOUS NASHYD 5.0 0177 68.50 .521 1999.0906.1725 102.12 .241 .000
[Ch: 74.0; Nm: 3.00; Tm: 1.43]
12294 [IAREC=24.0; SMIN=39.75; SMAX=264.99; SR= 100]
InterEventTime: 24.00]
12295 *****
12296 # T8
12297 *****
12298 R1999.C0025 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
CONTINUOUS NASHYD 5.0 0178 111.89 .564 1999.0906.1755 86.45 n/a .000
[RD7= 5.0;0; outc= 5.0;0181] 111.89 .564 1999.0906.1755 86.45 n/a .000
12299 [IAREC=24.0; SMIN=43.07; SMAX=287.10; SR= 100]
InterEventTime: 24.00]
12300 *****
12301 # T9
12302 *****
12303 R1999.C0026 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
ADD HYD 5.0 0212 119.73 .477 1999.0906.1800 80.59 n/a .000
12304 SUM 5.0 0212 187.62 .187 1999.0906.1640 75.02 n/a .000
12305 [IAREC=24.0; SMIN=43.07; SMAX=287.10; SR= 100]
InterEventTime: 24.00]
12306 *****
12307 # T10
12308 *****
12309 R1999.C0027 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
ADD HYD 5.0 0132 270.69 .199 1999.0906.1745 82.21 n/a .000
12310 SUM 5.0 0132 270.69 .199 1999.0906.1745 82.21 n/a .000
12311 [IAREC=24.0; SMIN=43.07; SMAX=287.10; SR= 100]
InterEventTime: 24.00]
12312 *****
12313 # T11
12314 *****
12315 R1999.C0028 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
ROUTE CHANNEL 5.0 0182 270.69 .188 1999.0906.1755 82.21 n/a .000
12316 [RD7= 5.0;0; outc= 5.0;0182] 270.69 .188 1999.0906.1755 82.21 n/a .000
12317 [IAREC=24.0; SMIN=43.07; SMAX=287.10; SR= 100]
InterEventTime: 24.00]
12318 *****
12319 # T12
12320 *****
12321 R1999.C0029 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
ADD HYD 5.0 0214 50.96 .278 1999.0906.1650 80.59 n/a .000
12322 SUM 5.0 0214 140.00 .140 1999.0906.1740 81.96 n/a .000
12323 [IAREC=24.0; SMIN=43.07; SMAX=287.10; SR= 100]
InterEventTime: 24.00]
12324 *****
12325 # T13
12326 *****
12327 R1999.C0030 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
ROUTE CHANNEL 5.0 0213 321.65 .146 1999.0906.1740 81.96 n/a .000
12328 [RD7= 5.0;0; outc= 5.0;0181] 321.65 .146 1999.0906.1740 81.96 n/a .000
12329 [IAREC=24.0; SMIN=39.75; SMAX=264.99; SR= 100]
InterEventTime: 24.00]
12330 *****
12331 # T14
12332 *****
12333 R1999.C0031 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
ROUTE CHANNEL 5.0 0213 1.55 .017 1999.0725.415 83.48 n/a .000
12334 [RD7= 5.0;0; outc= 5.0;0213] 1.55 .017 1999.0725.415 83.48 n/a .000
12335 [IAREC=24.0; SMIN=31.81; SMAX=225.43; SR= 100]
InterEventTime: 24.00]
12336 *****
12337 # T15
12338 *****
12339 R1999.C0032 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
ADD HYD 5.0 0218 1.55 .017 1999.0906.1530 83.48 n/a .000
12340 SUM 5.0 0218 1.55 .017 1999.0906.1530 83.48 n/a .000
12341 [IAREC=24.0; SMIN=31.81; SMAX=225.43; SR= 100]
InterEventTime: 24.00]
12342 *****
12343 # T16
12344 *****
12345 R1999.C0033 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
ROUTE CHANNEL 5.0 0214 379.46 .169 1999.0906.1755 82.19 n/a .000
12346 [RD7= 5.0;0; outc= 5.0;0214] 379.46 .169 1999.0906.1755 82.19 n/a .000
12347 [IAREC=24.0; SMIN=39.75; SMAX=264.99; SR= 100]
InterEventTime: 24.00]
12348 *****
12349 # T17
12350 *****
12351 R1999.C0034 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
ADD HYD 5.0 0215 379.46 .167 1999.0906.1815 82.19 n/a .000
12352 SUM 5.0 0217 379.46 .167 1999.0906.1815 82.19 n/a .000
12353 [IAREC=24.0; SMIN=39.75; SMAX=264.99; SR= 100]
InterEventTime: 24.00]
12354 *****
12355 # T18
12356 *****
12357 R1999.C0035 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
ROUTE CHANNEL 5.0 0217 60.46 .321 1999.0906.1655 78.69 n/a .000
12358 [RD7= 5.0;0; outc= 5.0;0186] 60.46 .321 1999.0906.1655 78.69 n/a .000
12359 [IAREC=24.0; SMIN=39.75; SMAX=264.99; SR= 100]
InterEventTime: 24.00]
12360 *****
12361 # T19
12362 *****
12363 R1999.C0036 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
ROUTE CHANNEL 5.0 0212 7.62 .075 1999.0906.1530 90.57 n/a .000
12364 [RD7= 5.0;0; outc= 5.0;0187] 7.62 .064 1999.0906.1620 90.57 n/a .000
12365 [IAREC=24.0; SMIN=31.81; SMAX=225.43; SR= 100]
InterEventTime: 24.00]
12366 *****
12367 # T20
12368 *****
12369 R1999.C0037 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
ROUTE CHANNEL 5.0 0213 17.96 .128 1999.0906.1635 86.45 n/a .000
12370 [RD7= 5.0;0; outc= 5.0;0188] 17.96 .128 1999.0906.1635 86.45 n/a .000
12371 [IAREC=24.0; SMIN=31.81; SMAX=225.43; SR= 100]
InterEventTime: 24.00]
12372 *****
12373 # T21
12374 *****
12375 R1999.C0038 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
ADD HYD 5.0 0218 17.96 .128 1999.0906.1635 86.45 n/a .000
12376 SUM 5.0 0218 17.96 .128 1999.0906.1635 86.45 n/a .000
12377 [IAREC=24.0; SMIN=31.81; SMAX=225.43; SR= 100]
InterEventTime: 24.00]
12378 *****
12379 # T22
12380 *****
12381 R1999.C0039 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
CONTINUOUS NASHYD 5.0 0210 25.58 .191 1999.0906.1630 87.68 n/a .000
12382 SUM 5.0 0210 25.58 .191 1999.0906.1640 87.68 n/a .000
12383 [IAREC=24.0; SMIN=39.75; SMAX=264.99; SR= 100]
InterEventTime: 24.00]
12384 *****
12385 # T23
12386 *****
12387 R1999.C0040 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
ROUTE CHANNEL 5.0 0210 25.58 .191 1999.0906.1630 87.68 n/a .000
12388 [RD7= 5.0;0; outc= 5.0;0189] 25.58 .191 1999.0906.1640 87.68 n/a .000
12389 [IAREC=24.0; SMIN=39.75; SMAX=264.99; SR= 100]
InterEventTime: 24.00]
12390 *****
12391 # T24
12392 *****
12393 R1999.C0041 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
ADD HYD 5.0 0216 60.46 .321 1999.0906.1655 78.69 n/a .000
12394 SUM 5.0 0216 60.46 .321 1999.0906.1655 78.69 n/a .000
12395 [IAREC=24.0; SMIN=39.75; SMAX=264.99; SR= 100]
InterEventTime: 24.00]
12396 *****
12397 # T25
12398 *****
12399 R1999.C0042 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
ADD HYD 5.0 0218 60.46 .321 1999.0906.1655 78.69 n/a .000
12400 SUM 5.0 0218 60.46 .321 1999.0906.1655 78.69 n/a .000
12401 [IAREC=24.0; SMIN=39.75; SMAX=264.99; SR= 100]
InterEventTime: 24.00]
12402 *****
12403 # T26
12404 *****
12405 R1999.C0043 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
ROUTE CHANNEL 5.0 0211 526.62 .236 1999.0906.1730 82.54 n/a .000
12406 [RD7= 5.0;0; outc= 5.0;0211] 526.62 .236 1999.0906.1730 82.54 n/a .000
12407 [IAREC=24.0; SMIN=39.75; SMAX=264.99; SR= 100]
InterEventTime: 24.00]
12408 *****
12409 # T27
12410 *****
12411 R1999.C0044 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
ADD HYD 5.0 0219 526.62 .236 1999.0906.1740 82.54 n/a .000
12412 SUM 5.0 0219 526.62 .236 1999.0906.1740 82.54 n/a .000
12413 [IAREC=24.0; SMIN=39.75; SMAX=264.99; SR= 100]
InterEventTime: 24.00]
12414 *****
12415 # T28
12416 *****
12417 R1999.C0045 -----DtmIn-ID:HYD-----AREAh-OPEARcns-TPeakDate hh:mm-----RvM-R-C-----DWfMS
ADD HYD 5.0 0219 52.62 .188 1999.0906.1640 89.53 n/a .000
12418 SUM 5.0 0219 52.62 .188 1999.0906.1640 89.53 n/a .000

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12961# # M3
12962# *****
12963# R2002:C00011-----DtmIn-ID:HVHD-----AREAh-QFEARqns-TpeakDate h:hm:--Rvm-R-C-----DWfms
12964# CONTINUOUS NASHVD 5.0 01:083 39.07 .735 2002.0627.2120 152.26 .277 .000
12965# [Cm 45.0; Nm 3.00; Tpe 1.95]
12966# [IaREC=24.00; SMIN=121.19; SMAX=807.93; SR= 100]
12967# [InterEventTime= 24.00]
12968# *****
12969# # M4
12970# *****
12971# R2002:C00012-----DtmIn-ID:HVHD-----AREAh-QFEARqns-TpeakDate h:hm:--Rvm-R-C-----DWfms
12972# CONTINUOUS NASHVD 5.0 01:086 50.96 .995 2002.0627.2135 158.35 .288 .000
12973# [Cm 53.0; Nm 3.00; Tpe 1.95]
12974# [IaREC=24.00; SMIN= 95.01; SMAX=606.70; SR= 100]
12975# [InterEventTime= 24.00]
12976# *****
12977# # M5
12978# *****
12979# R2002:C00013-----DtmIn-ID:HVHD-----AREAh-QFEARqns-TpeakDate h:hm:--Rvm-R-C-----DWfms
12980# CONTINUOUS NASHVD 5.0 01:085 56.26 1.110 2002.0627.2145 161.59 .294 .000
12981# [Cm 56.0; Nm 3.00; Tpe 1.95]
12982# [IaREC=24.00; SMIN= 75.65; SMAX=531.24; SR= 100]
12983# [InterEventTime= 24.00]
12984# *****
12985# # M6
12986# *****
12987# R2002:C00014-----DtmIn-ID:HVHD-----AREAh-QFEARqns-TpeakDate h:hm:--Rvm-R-C-----DWfms
12988# CONTINUOUS NASHVD 5.0 01:086 25.62 .642 2002.0627.2130 168.50 .306 .000
12989# [Cm 42.0; Nm 3.00; Tpe 1.83]
12990# [IaREC=24.00; SMIN= 61.82; SMAX=412.66; SR= 100]
12991# [InterEventTime= 24.00]
12992# *****
12993# # M7
12994# *****
12995# R2002:C00015-----DtmIn-ID:HVHD-----AREAh-QFEARqns-TpeakDate h:hm:--Rvm-R-C-----DWfms
12996# CONTINUOUS NASHVD 5.0 01:087 47.26 1.219 2002.0627.2155 191.30 .348 .000
12997# [Cm 75.0; Nm 3.00; Tpe 1.95]
12998# [IaREC=24.00; SMIN= 33.81; SMAX=225.43; SR= 100]
12999# [InterEventTime= 24.00]
13000# *****
13001# # M8
13002# *****
13003# R2002:C00016-----DtmIn-ID:HVHD-----AREAh-QFEARqns-TpeakDate h:hm:--Rvm-R-C-----DWfms
13004# CONTINUOUS NASHVD 5.0 01:088 14.26 .705 2002.0627.2045 196.81 .358 .000
13005# [Cm 72.0; Nm 3.00; Tpe 1.83]
13006# [IaREC=24.00; SMIN= 29.88; SMAX=199.22; SR= 100]
13007# [InterEventTime= 24.00]
13008# *****
13009# # M9
13010# *****
13011# R2002:C00017-----DtmIn-ID:HVHD-----AREAh-QFEARqns-TpeakDate h:hm:--Rvm-R-C-----DWfms
13012# CONTINUOUS NASHVD 5.0 01:089 24.24 1.113 2002.0627.2045 186.12 .338 .000
13013# [Cm 73.0; Nm 3.00; Tpe 1.83]
13014# [IaREC=24.00; SMIN= 38.18; SMAX=254.55; SR= 100]
13015# [InterEventTime= 24.00]
13016# *****
13017# # SITE
13018# *****
13019# R2002:C00018-----DtmIn-ID:HVHD-----AREAh-QFEARqns-TpeakDate h:hm:--Rvm-R-C-----DWfms
13020# CONTINUOUS NASHVD 5.0 01:089 60.48 2.116 2002.0627.2045 164.97 .300 .000
13021# [Cm 59.0; Nm 3.00; Tpe 1.16]
13022# [IaREC=24.00; SMIN= 43.07; SMAX=467.39; SR= 100]
13023# [InterEventTime= 24.00]
13024# *****
13025# # T1
13026# *****
13027# R2002:C00019-----DtmIn-ID:HVHD-----AREAh-QFEARqns-TpeakDate h:hm:--Rvm-R-C-----DWfms
13028# CONTINUOUS NASHVD 5.0 01:071 79.25 2.538 2002.0627.2115 181.22 .329 .000
13029# [Cm 70.0; Nm 3.00; Tpe 1.64]
13030# [IaREC=24.00; SMIN= 43.07; SMAX=287.10; SR= 100]
13031# [InterEventTime= 24.00]
13032# *****
13033# # T2
13034# *****
13035# R2002:C00020-----DtmIn-ID:HVHD-----AREAh-QFEARqns-TpeakDate h:hm:--Rvm-R-C-----DWfms
13036# CONTINUOUS NASHVD 5.0 01:072 109.81 2.638 2002.0627.2200 184.44 .335 .000
13037# [Cm 72.0; Nm 3.00; Tpe 1.95]
13038# [IaREC=24.00; SMIN= 39.75; SMAX=264.99; SR= 100]
13039# [InterEventTime= 24.00]
13040# *****
13041# # T3
13042# *****
13043# R2002:C00021-----DtmIn-ID:HVHD-----AREAh-QFEARqns-TpeakDate h:hm:--Rvm-R-C-----DWfms
13044# CONTINUOUS NASHVD 5.0 01:073 12.05 .652 2002.0627.2030 181.22 .329 .000
13045# [Cm 72.0; Nm 3.00; Tpe 1.83]
13046# [IaREC=24.00; SMIN= 43.07; SMAX=287.10; SR= 100]
13047# [InterEventTime= 24.00]
13048# *****
13049# # T4
13050# *****
13051# R2002:C00022-----DtmIn-ID:HVHD-----AREAh-QFEARqns-TpeakDate h:hm:--Rvm-R-C-----DWfms
13052# CONTINUOUS NASHVD 5.0 01:074 65.89 2.040 2002.0627.2120 184.44 .335 .000
13053# [Cm 72.0; Nm 3.00; Tpe 1.76]
13054# [IaREC=24.00; SMIN= 39.75; SMAX=264.99; SR= 100]
13055# [InterEventTime= 24.00]
13056# *****
13057# # T5
13058# *****
13059# R2002:C00023-----DtmIn-ID:HVHD-----AREAh-QFEARqns-TpeakDate h:hm:--Rvm-R-C-----DWfms
13060# CONTINUOUS NASHVD 5.0 01:075 171.85 2.812 2002.0627.2145 170.96 .311 .000
13061# [Cm 64.0; Nm 3.00; Tpe 1.07]
13062# [IaREC=24.00; SMIN= 43.07; SMAX=380.32; SR= 100]
13063# [InterEventTime= 24.00]
13064# *****
13065# # T6
13066# *****
13067# R2002:C00024-----DtmIn-ID:HVHD-----AREAh-QFEARqns-TpeakDate h:hm:--Rvm-R-C-----DWfms
13068# CONTINUOUS NASHVD 5.0 01:076 60.20 1.253 2002.0627.2235 194.93 .354 .000
13069# [Cm 77.0; Nm 3.00; Tpe 1.98]
13070# [IaREC=24.00; SMIN= 43.07; SMAX=207.66; SR= 100]
13071# [InterEventTime= 24.00]
13072# *****
13073# # T7
13074# *****
13075# R2002:C00025-----DtmIn-ID:HVHD-----AREAh-QFEARqns-TpeakDate h:hm:--Rvm-R-C-----DWfms
13076# CONTINUOUS NASHVD 5.0 01:077 68.50 1.481 2002.0627.2215 184.44 .335 .000
13077# [Cm 72.0; Nm 3.00; Tpe 1.62]
13078# [IaREC=24.00; SMIN= 39.75; SMAX=264.99; SR= 100]
13079# [InterEventTime= 24.00]
13080# *****
13081# R2002:C00026-----DtmIn-ID:HVHD-----AREAh-QFEARqns-TpeakDate h:hm:--Rvm-R-C-----DWfms
13082# ROUTE CHANNEL -> 5.0 01:081 111.89 1.914 2002.0627.2235 164.96 n/a .000
13083# [RDF= 5.00] out<- 5.0 01:081 111.89 1.914 2002.0627.2235 164.96 n/a .000
13084# [L/S= 5.00] out<- 5.0 01:081 111.89 1.914 2002.0627.2235 164.96 n/a .000
13085# [Vmax= 408; Dmax= 398]
13086# R2002:C00027-----DtmIn-ID:HVHD-----AREAh-QFEARqns-TpeakDate h:hm:--Rvm-R-C-----DWfms
13087# ADD HYD + 5.0 02:082 119.73 1.541 2002.0627.2250 158.35 n/a .000
13088# + 5.0 02:083 39.07 .735 2002.0627.2120 152.26 n/a .000
13089# + 5.0 02:084 50.96 .995 2002.0627.2135 158.35 n/a .000
13090# SUM= 5.0 01:082 270.69 4.000 2002.0627.2225 160.20 n/a .000
13091# R2002:C00028-----DtmIn-ID:HVHD-----AREAh-QFEARqns-TpeakDate h:hm:--Rvm-R-C-----DWfms
13092# ROUTE CHANNEL -> 5.0 01:082 270.69 4.000 2002.0627.2225 160.20 n/a .000
13093# [RDF= 5.00] out<- 5.0 01:082 270.69 3.981 2002.0627.2235 160.20 n/a .000
13094# [L/S= 5.00] out<- 5.0 01:082 270.69 3.981 2002.0627.2235 160.20 n/a .000
13095# [Vmax= 632; Dmax= 398]
13096# R2002:C00029-----DtmIn-ID:HVHD-----AREAh-QFEARqns-TpeakDate h:hm:--Rvm-R-C-----DWfms
13097# ADD HYD + 5.0 02:084 1.55 .070 2002.0627.2025 161.59 n/a .000
13098# + 5.0 02:083 321.65 4.729 2002.0627.2245 159.91 n/a .000
13099# + 5.0 02:084 50.96 .995 2002.0627.2135 158.35 n/a .000
13100# SUM= 5.0 01:083 321.65 4.855 2002.0627.2225 159.91 n/a .000
13101# R2002:C00030-----DtmIn-ID:HVHD-----AREAh-QFEARqns-TpeakDate h:hm:--Rvm-R-C-----DWfms
13102# ROUTE CHANNEL -> 5.0 02:023 321.65 4.855 2002.0627.2225 159.91 n/a .000
13103# [RDF= 5.00] out<- 5.0 01:083 321.65 4.729 2002.0627.2245 159.91 n/a .000
13104# [L/S= 734 / 100 / 035]
13105# [Vmax= 481; Dmax= 392]
13106# R2002:C00031-----DtmIn-ID:HVHD-----AREAh-QFEARqns-TpeakDate h:hm:--Rvm-R-C-----DWfms
13107# ADD HYD + 5.0 02:085 379.46 5.660 2002.0627.2245 160.16 n/a .000
13108# + 5.0 02:086 60.46 1.213 2002.0627.2125 156.27 n/a .000
13109# + 5.0 02:087 60.46 1.211 2002.0627.2140 156.27 n/a .000
13110# SUM= 5.0 01:084 379.46 5.660 2002.0627.2245 160.16 n/a .000
13111# [RDF= 5.00] out<- 5.0 01:084 379.46 5.660 2002.0627.2245 160.16 n/a .000
13112# [L/S= 664 / 157 / 035]
13113# [Vmax= 668; Dmax= 474]
13114# R2002:C00032-----DtmIn-ID:HVHD-----AREAh-QFEARqns-TpeakDate h:hm:--Rvm-R-C-----DWfms
13115# ADD HYD + 5.0 02:085 379.46 5.660 2002.0627.2245 160.16 n/a .000
13116# + 5.0 02:086 60.46 1.213 2002.0627.2125 156.27 n/a .000
13117# + 5.0 02:087 60.46 1.211 2002.0627.2140 156.27 n/a .000
13118# SUM= 5.0 01:084 379.46 5.660 2002.0627.2245 160.16 n/a .000
13119# [RDF= 5.00] out<- 5.0 02:085 379.46 5.660 2002.0627.2245 160.16 n/a .000
13120# [L/S= 871 / 347 / 035]
13121# [Vmax= 651; Dmax= 431]
13122# R2002:C00033-----DtmIn-ID:HVHD-----AREAh-QFEARqns-TpeakDate h:hm:--Rvm-R-C-----DWfms
13123# ADD HYD + 5.0 02:086 60.46 1.213 2002.0627.2125 156.27 n/a .000
13124# + 5.0 02:087 60.46 1.213 2002.0627.2125 156.27 n/a .000
13125# + 5.0 02:088 17.96 .468 2002.0627.2115 164.97 n/a .000
13126# SUM= 5.0 01:086 60.46 1.211 2002.0627.2140 156.27 n/a .000
13127# [L/S= 871 / 347 / 035]
13128# [Vmax= 651; Dmax= 431]
13129# R2002:C00034-----DtmIn-ID:HVHD-----AREAh-QFEARqns-TpeakDate h:hm:--Rvm-R-C-----DWfms
13130# ROUTE CHANNEL -> 5.0 02:087 7.62 .347 2002.0627.2035 169.72 n/a .000
13131# [RDF= 5.00] out<- 5.0 02:087 7.62 .462 2002.0627.2105 169.72 n/a .000
13132# [L/S= 693 / 720 / 035]
13133# [Vmax= 351; Dmax= 331]
13134# R2002:C00035-----DtmIn-ID:HVHD-----AREAh-QFEARqns-TpeakDate h:hm:--Rvm-R-C-----DWfms
13135# ADD HYD + 5.0 02:084 1.55 .070 2002.0627.2025 161.59 n/a .000
13136# + 5.0 02:083 321.65 4.729 2002.0627.2245 159.91 n/a .000
13137# + 5.0 02:084 50.96 .995 2002.0627.2135 158.35 n/a .000
13138# SUM= 5.0 01:084 321.65 4.855 2002.0627.2225 159.91 n/a .000
13139# [RDF= 5.00] out<- 5.0 01:084 321.65 4.729 2002.0627.2245 159.91 n/a .000
13140# [L/S= 734 / 100 / 035]
13141# [Vmax= 481; Dmax= 392]
13142# R2002:C00036-----DtmIn-ID:HVHD-----AREAh-QFEARqns-TpeakDate h:hm:--Rvm-R-C-----DWfms
13143# ROUTE CHANNEL -> 5.0 02:087 17.96 .468 2002.0627.2115 164.97 n/a .000
13144# [RDF= 5.00] out<- 5.0 02:088 17.96 .467 2002.0627.2120 164.97 n/a .000
13145# [L/S= 181 / 339 / 035]
13146# [Vmax= 560; Dmax= 560]
13147# R2002:C00037-----DtmIn-ID:HVHD-----AREAh-QFEARqns-TpeakDate h:hm:--Rvm-R-C-----DWfms
13148# ADD HYD + 5.0 02:087 7.62 .262 2002.0627.2105 169.72 n/a .000
13149# + 5.0 02:088 17.96 .467 2002.0627.2120 164.97 n/a .000
13150# [L/S= 871 / 347 / 035]

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13321 # M1
13322 *****
13323 R2003:R2003:00009-----DtmIn-ID:HYD-----AREHA-OPEARGS-TPeakDate hh:mm-----RvM-R-C-----DWfms
13324 CONTINUOUS NASHVD 5.0 01:01 111.89 .960 2003.0712 0110 118.51 214 .000
13325 [Cm 51.0: Nm 3.00: Tm 1.71]
13326 [IaRC=24.00: SMIN= 70.11: SMAX=467.39: SK= 100]
13327 [InterEventTime 24.00]
13328 *****
13329 # M2
13330 *****
13331 R2003:R2003:00010-----DtmIn-ID:HYD-----AREHA-OPEARGS-TPeakDate hh:mm-----RvM-R-C-----DWfms
13332 CONTINUOUS NASHVD 5.0 01:02 119.73 .526 2003.0712 1130 110.03 198 .000
13333 [Cm 51.0: Nm 3.00: Tm 3.12]
13334 [IaRC=24.00: SMIN= 91.01: SMAX=606.70: SK= 100]
13335 [InterEventTime 24.00]
13336 *****
13337 # M3
13338 *****
13339 R2003:R2003:00011-----DtmIn-ID:HYD-----AREHA-OPEARGS-TPeakDate hh:mm-----RvM-R-C-----DWfms
13340 CONTINUOUS NASHVD 5.0 01:03 119.73 .526 2003.0712 0110 102.07 184 .000
13341 [Cm 46.0: Nm 3.00: Tm 1.68]
13342 [IaRC=24.00: SMIN=121.15: SMAX=807.93: SK= 100]
13343 [InterEventTime 24.00]
13344 *****
13345 # M4
13346 *****
13347 R2003:R2003:00012-----DtmIn-ID:HYD-----AREHA-OPEARGS-TPeakDate hh:mm-----RvM-R-C-----DWfms
13348 CONTINUOUS NASHVD 5.0 01:04 50.96 .333 2003.0712 0125 110.03 198 .000
13349 [Cm 51.0: Nm 3.00: Tm 1.95]
13350 [IaRC=24.00: SMIN= 91.01: SMAX=606.70: SK= 100]
13351 [InterEventTime 24.00]
13352 *****
13353 # M5
13354 *****
13355 R2003:R2003:00013-----DtmIn-ID:HYD-----AREHA-OPEARGS-TPeakDate hh:mm-----RvM-R-C-----DWfms
13356 CONTINUOUS NASHVD 5.0 01:05 56.26 .378 2003.0712 0135 114.20 206 .000
13357 [Cm 51.0: Nm 3.00: Tm 1.71]
13358 [IaRC=24.00: SMIN= 79.69: SMAX=531.24: SK= 100]
13359 [InterEventTime 24.00]
13360 *****
13361 # M6
13362 *****
13363 R2003:R2003:00014-----DtmIn-ID:HYD-----AREHA-OPEARGS-TPeakDate hh:mm-----RvM-R-C-----DWfms
13364 CONTINUOUS NASHVD 5.0 01:06 25.62 .224 2003.0712 0120 122.97 222 .000
13365 [Cm 46.0: Nm 3.00: Tm 1.83]
13366 [IaRC=24.00: SMIN= 61.90: SMAX=412.66: SK= 100]
13367 [InterEventTime 24.00]
13368 *****
13369 # M7
13370 *****
13371 R2003:R2003:00015-----DtmIn-ID:HYD-----AREHA-OPEARGS-TPeakDate hh:mm-----RvM-R-C-----DWfms
13372 CONTINUOUS NASHVD 5.0 01:07 47.26 .464 2003.0712 0140 148.00 267 .000
13373 [Cm 75.0: Nm 3.00: Tm 2.29]
13374 [IaRC=24.00: SMIN= 39.81: SMAX=225.43: SK= 100]
13375 [InterEventTime 24.00]
13376 *****
13377 # M8
13378 *****
13379 R2003:R2003:00016-----DtmIn-ID:HYD-----AREHA-OPEARGS-TPeakDate hh:mm-----RvM-R-C-----DWfms
13380 CONTINUOUS NASHVD 5.0 01:08 47.26 .464 2003.0712 2140 153.76 277 .000
13381 [Cm 78.0: Nm 3.00: Tm 1.13]
13382 [IaRC=24.00: SMIN= 91.01: SMAX=199.22: SK= 100]
13383 [InterEventTime 24.00]
13384 *****
13385 # M9
13386 *****
13387 R2003:R2003:00017-----DtmIn-ID:HYD-----AREHA-OPEARGS-TPeakDate hh:mm-----RvM-R-C-----DWfms
13388 CONTINUOUS NASHVD 5.0 01:09 24.24 .395 2003.0711 2140 142.56 257 .000
13389 [Cm 71.0: Nm 3.00: Tm 1.13]
13390 [IaRC=24.00: SMIN= 39.81: SMAX=254.55: SK= 100]
13391 [InterEventTime 24.00]
13392 *****
13393 # SITE
13394 *****
13395 R2003:R2003:00018-----DtmIn-ID:HYD-----AREHA-OPEARGS-TPeakDate hh:mm-----RvM-R-C-----DWfms
13396 CONTINUOUS NASHVD 5.0 01:10 60.48 .704 2003.0711 2345 118.51 214 .000
13397 [Cm 46.0: Nm 3.00: Tm 1.83]
13398 [IaRC=24.00: SMIN= 70.11: SMAX=467.39: SK= 100]
13399 [InterEventTime 24.00]
13400 *****
13401 # T1
13402 *****
13403 R2003:R2003:00019-----DtmIn-ID:HYD-----AREHA-OPEARGS-TPeakDate hh:mm-----RvM-R-C-----DWfms
13404 CONTINUOUS NASHVD 5.0 01:11 79.25 .917 2003.0712 0105 137.37 248 .000
13405 [Cm 71.0: Nm 3.00: Tm 1.46]
13406 [IaRC=24.00: SMIN= 43.07: SMAX=287.10: SK= 100]
13407 [InterEventTime 24.00]
13408 *****
13409 # T2
13410 *****
13411 R2003:R2003:00020-----DtmIn-ID:HYD-----AREHA-OPEARGS-TPeakDate hh:mm-----RvM-R-C-----DWfms
13412 CONTINUOUS NASHVD 5.0 01:12 109.81 .995 2003.0712 0145 140.81 234 .000
13413 [Cm 72.0: Nm 3.00: Tm 2.34]
13414 [IaRC=24.00: SMIN= 39.75: SMAX=264.99: SK= 100]
13415 [InterEventTime 24.00]
13416 *****
13417 # T3
13418 *****
13419 R2003:R2003:00021-----DtmIn-ID:HYD-----AREHA-OPEARGS-TPeakDate hh:mm-----RvM-R-C-----DWfms
13420 CONTINUOUS NASHVD 5.0 01:13 12.05 .923 2003.0711 2130 157.37 248 .000
13421 [Cm 70.0: Nm 3.00: Tm .87]
13422 [IaRC=24.00: SMIN= 39.75: SMAX=287.10: SK= 100]
13423 [InterEventTime 24.00]
13424 *****
13425 # T4
13426 *****
13427 R2003:R2003:00022-----DtmIn-ID:HYD-----AREHA-OPEARGS-TPeakDate hh:mm-----RvM-R-C-----DWfms
13428 CONTINUOUS NASHVD 5.0 01:14 65.89 .748 2003.0712 0115 140.81 234 .000
13429 [Cm 72.0: Nm 3.00: Tm 1.76]
13430 [IaRC=24.00: SMIN= 39.75: SMAX=264.99: SK= 100]
13431 [InterEventTime 24.00]
13432 *****
13433 # T5
13434 *****
13435 R2003:R2003:00023-----DtmIn-ID:HYD-----AREHA-OPEARGS-TPeakDate hh:mm-----RvM-R-C-----DWfms
13436 CONTINUOUS NASHVD 5.0 01:15 171.81 1.019 2003.0712 1125 126.03 227 .000
13437 [Cm 46.0: Nm 3.00: Tm 1.83]
13438 [IaRC=24.00: SMIN= 57.05: SMAX=380.32: SK= 100]
13439 [InterEventTime 24.00]
13440 *****
13441 # T6
13442 *****
13443 R2003:R2003:00024-----DtmIn-ID:HYD-----AREHA-OPEARGS-TPeakDate hh:mm-----RvM-R-C-----DWfms
13444 CONTINUOUS NASHVD 5.0 01:16 60.20 .489 2003.0712 1115 151.81 274 .000
13445 [Cm 71.0: Nm 3.00: Tm 1.98]
13446 [IaRC=24.00: SMIN= 31.15: SMAX=207.66: SK= 100]
13447 [InterEventTime 24.00]
13448 *****
13449 # T7
13450 *****
13451 R2003:R2003:00025-----DtmIn-ID:HYD-----AREHA-OPEARGS-TPeakDate hh:mm-----RvM-R-C-----DWfms
13452 CONTINUOUS NASHVD 5.0 01:17 66.50 .557 2003.0712 1100 140.81 234 .000
13453 [Cm 72.0: Nm 3.00: Tm 2.63]
13454 [IaRC=24.00: SMIN= 39.75: SMAX=264.99: SK= 100]
13455 [InterEventTime 24.00]
13456 *****
13457 # ROUTE CHANNEL
13458 *****
13459 * [RTE 5.00] out<-> 5.0 02:01 111.89 .960 2003.0712 0110 118.51 n/a .000
13460 [L/S/n= 181./ / 238./ / 038.]
13461 [Vmax = 315:Imax= 441]
13462 R2003:R2003:00027-----DtmIn-ID:HYD-----AREHA-OPEARGS-TPeakDate hh:mm-----RvM-R-C-----DWfms
13463 ADD HYD 5.0 02:01 111.89 .632 2003.0712 1125 118.51 n/a .000
13464 + 5.0 02:02 119.73 .526 2003.0712 1130 110.03 n/a .000
13465 + 5.0 02:03 39.07 .216 2003.0712 0110 102.07 n/a .000
13466 SUM 5.0 02:02 270.69 1.333 2003.0712 1115 112.39 n/a .000
13467 R2003:R2003:00028-----DtmIn-ID:HYD-----AREHA-OPEARGS-TPeakDate hh:mm-----RvM-R-C-----DWfms
13468 ROUTE CHANNEL -> 5.0 02:02 270.69 1.333 2003.0712 1115 112.39 n/a .000
13469 * [RTE 5.00] out<-> 5.0 02:02 270.69 1.324 2003.0712 1125 112.39 n/a .000
13470 [L/S/n= 471./ / 227./ / 189.]
13471 [Vmax = 479:Imax= 773]
13472 R2003:R2003:00029-----DtmIn-ID:HYD-----AREHA-OPEARGS-TPeakDate hh:mm-----RvM-R-C-----DWfms
13473 ADD HYD 5.0 02:02 270.69 1.324 2003.0712 1125 112.39 n/a .000
13474 + 5.0 02:04 50.96 .333 2003.0712 0125 110.03 n/a .000
13475 SUM 5.0 02:03 321.65 1.618 2003.0712 1110 112.01 n/a .000
13476 R2003:R2003:00030-----DtmIn-ID:HYD-----AREHA-OPEARGS-TPeakDate hh:mm-----RvM-R-C-----DWfms
13477 ROUTE CHANNEL -> 5.0 02:03 321.65 1.618 2003.0712 1110 112.01 n/a .000
13478 * [RTE 5.00] out<-> 5.0 02:03 321.65 1.539 2003.0712 1140 112.01 n/a .000
13479 [L/S/n= 734./ / 100./ / 035]
13480 [Vmax = 129:Imax= 189]
13481 R2003:R2003:00031-----DtmIn-ID:HYD-----AREHA-OPEARGS-TPeakDate hh:mm-----RvM-R-C-----DWfms
13482 ROUTE CHANNEL -> 5.0 02:03 321.65 1.618 2003.0712 1110 112.01 n/a .000
13483 * [RTE 5.00] out<-> 5.0 02:04 1.55 .021 2003.0711 2130 114.20 n/a .000
13484 [L/S/n= 693./ / 720./ / 035]
13485 [Vmax = 279:Imax= 393]
13486 R2003:R2003:00032-----DtmIn-ID:HYD-----AREHA-OPEARGS-TPeakDate hh:mm-----RvM-R-C-----DWfms
13487 ADD HYD 5.0 02:03 321.65 1.539 2003.0712 1140 112.01 n/a .000
13488 + 5.0 02:03 321.65 1.539 2003.0712 1140 112.01 n/a .000
13489 + 5.0 02:05 56.26 .378 2003.0712 0135 114.20 n/a .000
13490 SUM 5.0 02:03 321.65 1.469 2003.0712 1125 112.35 n/a .000
13491 R2003:R2003:00033-----DtmIn-ID:HYD-----AREHA-OPEARGS-TPeakDate hh:mm-----RvM-R-C-----DWfms
13492 ROUTE CHANNEL -> 5.0 02:03 321.65 1.469 2003.0712 1125 112.35 n/a .000
13493 * [RTE 5.00] out<-> 5.0 02:05 321.65 1.469 2003.0712 1145 112.35 n/a .000
13494 [L/S/n= 664./ / 157./ / 035]
13495 [Vmax = 473:Imax= 891]
13496 R2003:R2003:00034-----DtmIn-ID:HYD-----AREHA-OPEARGS-TPeakDate hh:mm-----RvM-R-C-----DWfms
13497 ADD HYD 5.0 02:03 321.65 1.469 2003.0712 1145 112.35 n/a .000
13498 + 5.0 02:07 321.65 1.469 2003.0712 1145 112.35 n/a .000
13499 SUM 5.0 02:07 321.65 1.469 2003.0712 1145 112.35 n/a .000
13500 R2003:R2003:00035-----DtmIn-ID:HYD-----AREHA-OPEARGS-TPeakDate hh:mm-----RvM-R-C-----DWfms
13501 ROUTE CHANNEL -> 5.0 02:08 60.46 .405 2003.0712 0115 107.33 n/a .000

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13681 # EXT4
13682
13683 R2004:00007 -----DTime-ID:HVHD-----AREAlh-OPERARS-TpeakDate h:hm:--RvM-R-C-----DWfMS
13684 CONTINUOUS NASHYD 5.0 01:02X4 64 .027 2004.0909.16:10 156.89 .274 .000
13685 [C# 40.0; N# 3.00; T# 4.51]
13686 [IAREC=24.00; SMINH=109.74; SMAX=731.60; SK= 100]
13687 InterEventTime 24.00]
13688
13689 # EXT4
13690
13691 R2004:00008 -----DTime-ID:HVHD-----AREAlh-OPERARS-TpeakDate h:hm:--RvM-R-C-----DWfMS
13692 CONTINUOUS NASHYD 5.0 01:02X5 115.89 3.388 2004.0909.16:10 167.61 .292 .000
13693 [C# 56.0; N# 3.00; T# 4.43]
13694 [IAREC=24.00; SMINH 79.69; SMAX=531.24; SK= 100]
13695 InterEventTime 24.00]
13696
13697 # M2
13698
13699 R2004:00009 -----DTime-ID:HVHD-----AREAlh-OPERARS-TpeakDate h:hm:--RvM-R-C-----DWfMS
13700 CONTINUOUS NASHYD 5.0 01:02X3 55.62 1.523 2004.0909.16:10 167.61 .292 .000
13701 [C# 59.0; N# 3.00; T# 1.71]
13702 [IAREC=24.00; SMINH 70.11; SMAX=467.39; SK= 100]
13703 InterEventTime 24.00]
13704
13705 # M2
13706
13707 R2004:00010 -----DTime-ID:HVHD-----AREAlh-OPERARS-TpeakDate h:hm:--RvM-R-C-----DWfMS
13708 CONTINUOUS NASHYD 5.0 01:02 119.73 2.828 2004.0909.21:40 162.99 .284 .000
13709 [C# 51.0; N# 3.00; T# 3.12]
13710 [IAREC=24.00; SMINH 91.03; SMAX=606.70; SK= 100]
13711 InterEventTime 24.00]
13712
13713 # M3
13714
13715 R2004:00011 -----DTime-ID:HVHD-----AREAlh-OPERARS-TpeakDate h:hm:--RvM-R-C-----DWfMS
13716 CONTINUOUS NASHYD 5.0 01:03 39.07 .912 2004.0909.18:10 153.86 .268 .000
13717 [C# 48.0; N# 3.00; T# 4.68]
13718 [IAREC=24.00; SMINH=121.19; SMAX=807.93; SK= 100]
13719 InterEventTime 24.00]
13720
13721 # M4
13722
13723 R2004:00012 -----DTime-ID:HVHD-----AREAlh-OPERARS-TpeakDate h:hm:--RvM-R-C-----DWfMS
13724 CONTINUOUS NASHYD 5.0 01:04 50.96 1.325 2004.0909.19:50 162.99 .284 .000
13725 [C# 52.0; N# 3.00; T# 1.83]
13726 [IAREC=24.00; SMINH 91.01; SMAX=606.70; SK= 100]
13727 InterEventTime 24.00]
13728
13729 # M6
13730
13731 R2004:00013 -----DTime-ID:HVHD-----AREAlh-OPERARS-TpeakDate h:hm:--RvM-R-C-----DWfMS
13732 CONTINUOUS NASHYD 5.0 01:05 56.26 1.523 2004.0909.20:00 167.61 .292 .000
13733 [C# 56.0; N# 3.00; T# 2.09]
13734 [IAREC=24.00; SMINH 79.69; SMAX=531.24; SK= 100]
13735 InterEventTime 24.00]
13736
13737 # M6
13738
13739 R2004:00014 -----DTime-ID:HVHD-----AREAlh-OPERARS-TpeakDate h:hm:--RvM-R-C-----DWfMS
13740 CONTINUOUS NASHYD 5.0 01:05 25.62 .795 2004.0909.18:55 177.02 .309 .000
13741 [C# 62.0; N# 3.00; T# 1.83]
13742 [IAREC=24.00; SMINH 39.81; SMAX=412.66; SK= 100]
13743 InterEventTime 24.00]
13744
13745 # M7
13746
13747 R2004:00015 -----DTime-ID:HVHD-----AREAlh-OPERARS-TpeakDate h:hm:--RvM-R-C-----DWfMS
13748 CONTINUOUS NASHYD 5.0 01:07 47.26 1.609 2004.0909.19:25 202.56 .353 .000
13749 [C# 75.0; N# 3.00; T# 2.29]
13750 [IAREC=24.00; SMINH 39.81; SMAX=225.43; SK= 100]
13751 InterEventTime 24.00]
13752
13753 # M8
13754
13755 R2004:00016 -----DTime-ID:HVHD-----AREAlh-OPERARS-TpeakDate h:hm:--RvM-R-C-----DWfMS
13756 CONTINUOUS NASHYD 5.0 01:08 14.26 .697 2004.0909.16:55 208.19 .363 .000
13757 [C# 18.0; N# 3.00; T# 1.89]
13758 [IAREC=24.00; SMINH 29.88; SMAX=199.22; SK= 100]
13759 InterEventTime 24.00]
13760
13761 # M9
13762
13763 R2004:00017 -----DTime-ID:HVHD-----AREAlh-OPERARS-TpeakDate h:hm:--RvM-R-C-----DWfMS
13764 CONTINUOUS NASHYD 5.0 01:09 24.24 1.109 2004.0909.16:55 197.13 .344 .000
13765 [C# 12.0; N# 3.00; T# 1.43]
13766 [IAREC=24.00; SMINH 39.18; SMAX=254.55; SK= 100]
13767 InterEventTime 24.00]
13768
13769 # SITE
13770
13771 R2004:00018 -----DTime-ID:HVHD-----AREAlh-OPERARS-TpeakDate h:hm:--RvM-R-C-----DWfMS
13772 CONTINUOUS NASHYD 5.0 01:11 60.48 2.191 2004.0909.17:05 172.28 .301 .000
13773 [C# 59.0; N# 3.00; T# 1.56]
13774 [IAREC=24.00; SMINH 70.11; SMAX=467.39; SK= 100]
13775 InterEventTime 24.00]
13776
13777 # T1
13778
13779 R2004:00019 -----DTime-ID:HVHD-----AREAlh-OPERARS-TpeakDate h:hm:--RvM-R-C-----DWfMS
13780 CONTINUOUS NASHYD 5.0 01:12 79.23 2.930 2004.0909.17:45 181.86 .335 .000
13781 [C# 70.0; N# 3.00; T# 1.64]
13782 [IAREC=24.00; SMINH 39.18; SMAX=287.10; SK= 100]
13783 InterEventTime 24.00]
13784
13785 # T2
13786
13787 R2004:00020 -----DTime-ID:HVHD-----AREAlh-OPERARS-TpeakDate h:hm:--RvM-R-C-----DWfMS
13788 CONTINUOUS NASHYD 5.0 01:12 109.81 3.581 2004.0909.19:40 195.35 .341 .000
13789 [C# 72.0; N# 3.00; T# 2.34]
13790 [IAREC=24.00; SMINH 39.18; SMAX=264.99; SK= 100]
13791 InterEventTime 24.00]
13792
13793 # T3
13794
13795 R2004:00021 -----DTime-ID:HVHD-----AREAlh-OPERARS-TpeakDate h:hm:--RvM-R-C-----DWfMS
13796 CONTINUOUS NASHYD 5.0 01:13 12.05 .597 2004.0909.16:35 191.86 .335 .000
13797 [C# 10.0; N# 3.00; T# 1.89]
13798 [IAREC=24.00; SMINH 43.07; SMAX=287.10; SK= 100]
13799 InterEventTime 24.00]
13800
13801 # T4
13802
13803 R2004:00022 -----DTime-ID:HVHD-----AREAlh-OPERARS-TpeakDate h:hm:--RvM-R-C-----DWfMS
13804 CONTINUOUS NASHYD 5.0 01:14 65.89 2.409 2004.0909.17:55 195.35 .341 .000
13805 [C# 74.0; N# 3.00; T# 1.76]
13806 [IAREC=24.00; SMINH 39.75; SMAX=264.99; SK= 100]
13807 InterEventTime 24.00]
13808
13809 # T5
13810
13811 R2004:00023 -----DTime-ID:HVHD-----AREAlh-OPERARS-TpeakDate h:hm:--RvM-R-C-----DWfMS
13812 CONTINUOUS NASHYD 5.0 01:15 171.81 4.764 2004.0909.21:30 180.22 .314 .000
13813 [C# 64.0; N# 3.00; T# 3.07]
13814 [IAREC=24.00; SMINH 57.05; SMAX=380.32; SK= 100]
13815 InterEventTime 24.00]
13816
13817 # T6
13818
13819 R2004:00024 -----DTime-ID:HVHD-----AREAlh-OPERARS-TpeakDate h:hm:--RvM-R-C-----DWfMS
13820 CONTINUOUS NASHYD 5.0 01:16 90.29 1.97 2004.0909.21:10 206.29 .360 .000
13821 [C# 77.0; N# 3.00; T# 2.98]
13822 [IAREC=24.00; SMINH 39.18; SMAX=207.66; SK= 100]
13823 InterEventTime 24.00]
13824
13825 # T7
13826
13827 R2004:00025 -----DTime-ID:HVHD-----AREAlh-OPERARS-TpeakDate h:hm:--RvM-R-C-----DWfMS
13828 CONTINUOUS NASHYD 5.0 01:17 68.50 2.163 2004.0909.20:30 195.36 .341 .000
13829 [C# 72.0; N# 3.00; T# 2.63]
13830 [IAREC=24.00; SMINH 39.18; SMAX=264.99; SK= 100]
13831 InterEventTime 24.00]
13832
13833 R2004:00026 -----DTime-ID:HVHD-----AREAlh-OPERARS-TpeakDate h:hm:--RvM-R-C-----DWfMS
13834 ROUTE CHANNEL > 5.0 02:01 111.89 3.888 2004.0909.18:00 172.28 n/a .000
13835 [R/FS= 2381./107./035]
13836 [Vmax= 436; Dmax= 172.28]
13837
13838 R2004:00027 -----DTime-ID:HVHD-----AREAlh-OPERARS-TpeakDate h:hm:--RvM-R-C-----DWfMS
13839 ADD HYD + 5.0 02:01 111.89 3.088 2004.0909.21:00 172.28 n/a .000
13840 + 5.0 02:02 119.73 2.828 2004.0909.21:40 162.99 n/a .000
13841 + 5.0 01:03 39.07 .912 2004.0909.18:10 153.86 n/a .000
13842 + 5.0 01:04 50.96 1.325 2004.0909.19:50 162.99 n/a .000
13843 R2004:00028 -----DTime-ID:HVHD-----AREAlh-OPERARS-TpeakDate h:hm:--RvM-R-C-----DWfMS
13844 ROUTE CHANNEL > 5.0 02:02 270.69 6.791 2004.0909.21:20 165.51 n/a .000
13845 [R/FS= 5.00; outc= 5.0 01:02 270.69 6.793 2004.0909.21:30 165.51 n/a .000]
13846 [Vmax= 471./221./035]
13847
13848 R2004:00029 -----DTime-ID:HVHD-----AREAlh-OPERARS-TpeakDate h:hm:--RvM-R-C-----DWfMS
13849 ADD HYD + 5.0 02:02 270.69 6.793 2004.0909.21:30 165.51 n/a .000
13850 + 5.0 02:04 50.96 1.325 2004.0909.19:50 162.99 n/a .000
13851 + 5.0 01:13 321.65 8.081 2004.0909.21:20 165.51 n/a .000
13852 R2004:00030 -----DTime-ID:HVHD-----AREAlh-OPERARS-TpeakDate h:hm:--RvM-R-C-----DWfMS
13853 ROUTE CHANNEL > 5.0 01:23 321.65 8.081 2004.0909.21:20 165.51 n/a .000
13854 [R/FS= 784./100./035]
13855 [Vmax= 1552; Dmax= 497]
13856
13857 R2004:00031 -----DTime-ID:HVHD-----AREAlh-OPERARS-TpeakDate h:hm:--RvM-R-C-----DWfMS
13858 ROUTE CHANNEL > 5.0 02:02X5 1.55 .077 2004.0909.16:10 167.61 n/a .000
13859 + [R/FS= 5.00; outc= 5.0 01:04 1.55 .063 2004.0909.16:35 167.61 n/a .000]
13860 [Vmax= 937./7207./035]

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14401 COMPUTE API
14402 [AFmin= 40.00; AFpkdy= 8000; AFpkdte= 9907]
14403 [AFmax= 71.02; AFavg= 12.16; AFmin= .39]
14404 *****
14405 # Development Conditions
14406 # Pre-Development Conditions
14407 #
14408 *****
14409 # EXT1
14410 *****
14411 R2007C00004-----DtmIn-ID:HYD-----AREAh-QFEARms-TPeakDate hh:mm-----RvM-R-C-----DWfms
14412 CONTINUOUS NASHYD 5.0 01:EXT1 7.62 .534 2007.0720.1745 95.07.174 .000
14413 [Cm 51.0; Nm 3.00; Tpe 1.75]
14414 [IAREC=24.00; SMIN= 99.77; SMAX=665.12; Etk= 100]
14415 [InterEventTime= 24.00]
14416 *****
14417 # EXT2
14418 *****
14419 R2007C00005-----DtmIn-ID:HYD-----AREAh-QFEARms-TPeakDate hh:mm-----RvM-R-C-----DWfms
14420 CONTINUOUS NASHYD 5.0 01:EXT2 7.62 .092 2007.0720.1630 111.03.202 .000
14421 [Cm 63.0; Nm 3.00; Tpe .92]
14422 [IAREC=24.00; SMIN= 95.42; SMAX=396.11; Etk= 100]
14423 [InterEventTime= 24.00]
14424 *****
14425 # EXT3
14426 *****
14427 R2007C00006-----DtmIn-ID:HYD-----AREAh-QFEARms-TPeakDate hh:mm-----RvM-R-C-----DWfms
14428 CONTINUOUS NASHYD 5.0 01:EXT3 17.96 .193 2007.0720.1730 105.63.192 .000
14429 [Cm 59.0; Nm 3.00; Tpe 1.64]
14430 [IAREC=24.00; SMIN= 91.11; SMAX=467.39; Etk= 100]
14431 [InterEventTime= 24.00]
14432 *****
14433 # EXT4
14434 *****
14435 R2007C00007-----DtmIn-ID:HYD-----AREAh-QFEARms-TPeakDate hh:mm-----RvM-R-C-----DWfms
14436 CONTINUOUS NASHYD 5.0 01:EXT4 6.4 .006 2007.0720.1515 93.33.169 .000
14437 [Cm 49.0; Nm 3.00; Tpe .421]
14438 [IAREC=24.00; SMIN= 99.74; SMAX=731.60; Etk= 100]
14439 [InterEventTime= 24.00]
14440 *****
14441 # EXT5
14442 *****
14443 R2007C00008-----DtmIn-ID:HYD-----AREAh-QFEARms-TPeakDate hh:mm-----RvM-R-C-----DWfms
14444 CONTINUOUS NASHYD 5.0 01:EXT5 1.55 .018 2007.0720.1515 101.77.185 .000
14445 [Cm 12.0; Nm 3.00; Tpe .441]
14446 [IAREC=24.00; SMIN= 79.69; SMAX=531.24; Etk= 100]
14447 [InterEventTime= 24.00]
14448 *****
14449 # M1
14450 *****
14451 R2007C00009-----DtmIn-ID:HYD-----AREAh-QFEARms-TPeakDate hh:mm-----RvM-R-C-----DWfms
14452 CONTINUOUS NASHYD 5.0 01:EXT4 111.89 .197 2007.0720.1735 105.63.192 .000
14453 [Cm 59.0; Nm 3.00; Tpe 1.71]
14454 [IAREC=24.00; SMIN= 70.11; SMAX=467.39; Etk= 100]
14455 [InterEventTime= 24.00]
14456 *****
14457 # M2
14458 *****
14459 R2007C00010-----DtmIn-ID:HYD-----AREAh-QFEARms-TPeakDate hh:mm-----RvM-R-C-----DWfms
14460 CONTINUOUS NASHYD 5.0 01:EXT4 119.73 .497 2007.0720.1930 98.06.178 .000
14461 [Cm 53.0; Nm 3.00; Tpe 3.12]
14462 [IAREC=24.00; SMIN= 91.11; SMAX=606.70; Etk= 100]
14463 [InterEventTime= 24.00]
14464 *****
14465 # M3
14466 *****
14467 R2007C00011-----DtmIn-ID:HYD-----AREAh-QFEARms-TPeakDate hh:mm-----RvM-R-C-----DWfms
14468 CONTINUOUS NASHYD 5.0 01:EXT3 39.07 .309 2007.0720.1740 91.05.165 .000
14469 [Cm 46.0; Nm 3.00; Tpe 1.68]
14470 [IAREC=24.00; SMIN= 91.11; SMAX=807.93; Etk= 100]
14471 [InterEventTime= 24.00]
14472 *****
14473 # M4
14474 *****
14475 R2007C00012-----DtmIn-ID:HYD-----AREAh-QFEARms-TPeakDate hh:mm-----RvM-R-C-----DWfms
14476 CONTINUOUS NASHYD 5.0 01:EXT4 50.96 .463 2007.0720.1755 98.06.178 .000
14477 [Cm 52.0; Nm 3.00; Tpe 1.92]
14478 [IAREC=24.00; SMIN= 91.01; SMAX=606.70; Etk= 100]
14479 [InterEventTime= 24.00]
14480 *****
14481 # M5
14482 *****
14483 R2007C00013-----DtmIn-ID:HYD-----AREAh-QFEARms-TPeakDate hh:mm-----RvM-R-C-----DWfms
14484 CONTINUOUS NASHYD 5.0 01:EXT5 56.26 .541 2007.0720.1805 101.77.185 .000
14485 [Cm 12.0; Nm 3.00; Tpe 1.49]
14486 [IAREC=24.00; SMIN= 79.69; SMAX=531.24; Etk= 100]
14487 [InterEventTime= 24.00]
14488 *****
14489 # M6
14490 *****
14491 R2007C00014-----DtmIn-ID:HYD-----AREAh-QFEARms-TPeakDate hh:mm-----RvM-R-C-----DWfms
14492 CONTINUOUS NASHYD 5.0 01:EXT4 25.62 .287 2007.0720.1740 109.65.199 .000
14493 [Cm 62.0; Nm 3.00; Tpe 1.83]
14494 [IAREC=24.00; SMIN= 61.90; SMAX=412.66; Etk= 100]
14495 [InterEventTime= 24.00]
14496 *****
14497 # M7
14498 *****
14499 R2007C00015-----DtmIn-ID:HYD-----AREAh-QFEARms-TPeakDate hh:mm-----RvM-R-C-----DWfms
14500 CONTINUOUS NASHYD 5.0 01:EXT4 47.60 .437 2007.0720.1755 133.12.242 .000
14501 [Cm 75.0; Nm 3.00; Tpe 2.29]
14502 [IAREC=24.00; SMIN= 91.01; SMAX=225.43; Etk= 100]
14503 [InterEventTime= 24.00]
14504 *****
14505 # M8
14506 *****
14507 R2007C00016-----DtmIn-ID:HYD-----AREAh-QFEARms-TPeakDate hh:mm-----RvM-R-C-----DWfms
14508 CONTINUOUS NASHYD 5.0 01:EXT3 14.26 .219 2007.0720.1555 138.73.252 .000
14509 [Cm 70.0; Nm 3.00; Tpe 1.13]
14510 [IAREC=24.00; SMIN= 88.88; SMAX=199.22; Etk= 100]
14511 [InterEventTime= 24.00]
14512 *****
14513 # M9
14514 *****
14515 R2007C00017-----DtmIn-ID:HYD-----AREAh-QFEARms-TPeakDate hh:mm-----RvM-R-C-----DWfms
14516 CONTINUOUS NASHYD 5.0 01:EXT3 24.24 .345 2007.0720.1625 127.82.232 .000
14517 [Cm 12.0; Nm 3.00; Tpe 1.49]
14518 [IAREC=24.00; SMIN= 39.18; SMAX=254.55; Etk= 100]
14519 [InterEventTime= 24.00]
14520 *****
14521 # SITE
14522 *****
14523 R2007C00018-----DtmIn-ID:HYD-----AREAh-QFEARms-TPeakDate hh:mm-----RvM-R-C-----DWfms
14524 CONTINUOUS NASHYD 5.0 01:SITE 60.48 .676 2007.0720.1710 105.63.192 .000
14525 [Cm 12.0; Nm 3.00; Tpe 1.46]
14526 [IAREC=24.00; SMIN= 70.11; SMAX=467.39; Etk= 100]
14527 [InterEventTime= 24.00]
14528 *****
14529 # T1
14530 *****
14531 R2007C00019-----DtmIn-ID:HYD-----AREAh-QFEARms-TPeakDate hh:mm-----RvM-R-C-----DWfms
14532 CONTINUOUS NASHYD 5.0 01:SITE 79.25 .105 2007.0720.1710 122.90.223 .000
14533 [Cm 70.0; Nm 3.00; Tpe 1.64]
14534 [IAREC=24.00; SMIN= 43.07; SMAX=287.10; Etk= 100]
14535 [InterEventTime= 24.00]
14536 *****
14537 # T2
14538 *****
14539 R2007C00020-----DtmIn-ID:HYD-----AREAh-QFEARms-TPeakDate hh:mm-----RvM-R-C-----DWfms
14540 CONTINUOUS NASHYD 5.0 01:SITE 59.81 .192 2007.0720.1630 126.13.228 .000
14541 [Cm 72.0; Nm 3.00; Tpe 2.34]
14542 [IAREC=24.00; SMIN= 39.75; SMAX=264.99; Etk= 100]
14543 [InterEventTime= 24.00]
14544 *****
14545 # T3
14546 *****
14547 R2007C00021-----DtmIn-ID:HYD-----AREAh-QFEARms-TPeakDate hh:mm-----RvM-R-C-----DWfms
14548 CONTINUOUS NASHYD 5.0 01:T3 12.05 .168 2007.0720.1540 122.90.223 .000
14549 [Cm 70.0; Nm 3.00; Tpe .87]
14550 [IAREC=24.00; SMIN= 43.07; SMAX=287.10; Etk= 100]
14551 [InterEventTime= 24.00]
14552 *****
14553 # T4
14554 *****
14555 R2007C00022-----DtmIn-ID:HYD-----AREAh-QFEARms-TPeakDate hh:mm-----RvM-R-C-----DWfms
14556 CONTINUOUS NASHYD 5.0 01:T4 65.89 .889 2007.0720.1725 126.13.229 .000
14557 [Cm 12.0; Nm 3.00; Tpe 1.46]
14558 [IAREC=24.00; SMIN= 39.75; SMAX=264.99; Etk= 100]
14559 [InterEventTime= 24.00]
14560 *****
14561 # T5
14562 *****
14563 R2007C00023-----DtmIn-ID:HYD-----AREAh-QFEARms-TPeakDate hh:mm-----RvM-R-C-----DWfms
14564 CONTINUOUS NASHYD 5.0 01:T5 171.81 1.749 2007.0720.1930 112.43.204 .000
14565 [Cm 64.0; Nm 3.00; Tpe 1.07]
14566 [IAREC=24.00; SMIN= 57.05; SMAX=380.32; Etk= 100]
14567 [InterEventTime= 24.00]
14568 *****
14569 # T6
14570 *****
14571 R2007C00024-----DtmIn-ID:HYD-----AREAh-QFEARms-TPeakDate hh:mm-----RvM-R-C-----DWfms
14572 CONTINUOUS NASHYD 5.0 01:T6 60.20 .769 2007.0720.1900 136.82.248 .000
14573 [Cm 77.0; Nm 3.00; Tpe 2.98]
14574 [IAREC=24.00; SMIN= 39.15; SMAX=207.66; Etk= 100]
14575 [InterEventTime= 24.00]
14576 *****
14577 # T7
14578 *****
14579 R2007C00025-----DtmIn-ID:HYD-----AREAh-QFEARms-TPeakDate hh:mm-----RvM-R-C-----DWfms
14580 CONTINUOUS NASHYD 5.0 01:T7 68.50 .840 2007.0720.1830 126.13.229 .000

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15121# # SWHYNO / INPUT DATA FILE
15122# *****
15123# Project Name : [Tamarack Richmond]
15124# Project Number: [R2009.0019]
15125# Date : [2025 JULY 23]
15126# Modeler : [JM and GS]
15127# Company : [JFS Canada Inc.]
15128# License # : [2549237]
15129# *****
15130# SUMMER CONDITIONS MODEL
15131# Model developed to simulate runoff from subcatchments under pre development conditions
15132# *****
15133# =====
15134# Ottawa International Airport - 19 July 1967 to 01 Nov 2016
15135# R2009.C0002-----
15136# HEAD AED DATA
15137# (Filename = YOM 1967-2016.txt )
15138# (Start_date = 2009.0101; End_date = 2009.1231 )
15139# (DTE: 60 min; Length: 4460 hrs; Metrics: 3981; DvYrs= 4042; PDDT= 633.50)
15140# Maximum average rainfall intensities over
15141# 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
15142# 34.80 21.55 15.67 7.83 5.23 2.79 1.86 1.40 .95 mm/hr
15143# 34.80 43.10 47.00 47.00 62.80 66.90 67.10 68.10 .00
20090729 20090729 20090729 20090729 20090718 20090718 20090719 20090719 date
15144# Number of rainfall events per following interevent time
15145# 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
15146# 146 120 98 80 57 42 32 22 20
15147# Number of events with at least the following durations
15148# 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
15149# 145 72 48 18 3 0 0 0 0
15150# *****
15151# R2009.C0003-----
15152# COMPUTE AFI
15153# [AFIKey = 40; AFIKey = 800; AFIkey = .9907]
15154# [AFIKey = 79.13; AFIKey = 80; AFIKey = 1.13]
15155# *****
15156# *****
15157# *****
15158# # Pre-Development Conditions
15159# *****
15160# *****
15161# # EXT1
15162# *****
15163# R2009.C0004-----
15164# CONTINUOUS NASHVD 5.0 01:EXT1 60.46 .628 2009.0729.2015 153.74 .263 .000
15165# [Cm 59.0; Nm 3.00; Tpe 1.75]
15166# [IaRc=24.00; SMIH= 99.77; SMAX=665.12; SKE = 100]
15167# *****
15168# *****
15169# # EXT2
15170# *****
15171# R2009.C0005-----
15172# CONTINUOUS NASHVD 5.0 01:EXT2 7.62 .172 2009.0729.1955 173.10 .273 .000
15173# [Cm 63.0; Nm 3.00; Tpe .92]
15174# [IaRc=24.00; SMIH= 59.42; SMAX=396.11; SKE = 100]
15175# *****
15176# # EXT3
15177# *****
15178# R2009.C0006-----
15179# CONTINUOUS NASHVD 5.0 01:EXT3 37.96 .194 2009.0729.2040 166.42 .263 .000
15180# [Cm 59.0; Nm 3.00; Tpe 1.64]
15181# [IaRc=24.00; SMIH= 99.77; SMAX=467.39; SKE = 100]
15182# [InterevntTime = 24.00]
15183# *****
15184# *****
15185# # EXT4
15186# *****
15187# R2009.C0007-----
15188# CONTINUOUS NASHVD 5.0 01:EXT4 .64 .015 2009.0729.1915 150.90 .238 .000
15189# [Cm 41.0; Nm 3.00; Tpe .43]
15190# [IaRc=24.00; SMIH= 99.74; SMAX=731.60; SKE = 100]
15191# [InterevntTime = 24.00]
15192# *****
15193# # EXT5
15194# *****
15195# R2009.C0008-----
15196# CONTINUOUS NASHVD 5.0 01:EXT5 1.55 .046 2009.0729.1915 161.66 .255 .000
15197# [Cm 59.0; Nm 3.00; Tpe 1.64]
15198# [IaRc=24.00; SMIH= 79.69; SMAX=531.24; SKE = 100]
15199# [InterevntTime = 24.00]
15200# *****
15201# # M1
15202# *****
15203# R2009.C0009-----
15204# CONTINUOUS NASHVD 5.0 01:M1 111.89 1.480 2009.0729.2015 166.42 .263 .000
15205# [Cm 59.0; Nm 3.00; Tpe 1.75]
15206# [IaRc=24.00; SMIH= 70.11; SMAX=467.39; SKE = 100]
15207# [InterevntTime = 24.00]
15208# *****
15209# # M2
15210# *****
15211# R2009.C0010-----
15212# CONTINUOUS NASHVD 5.0 01:M2 119.73 .796 2009.0729.2105 156.65 .247 .000
15213# [Cm 53.0; Nm 3.00; Tpe 3.12]
15214# [IaRc=24.00; SMIH= 91.01; SMAX=606.70; SKE = 100]
15215# [InterevntTime = 24.00]
15216# *****
15217# # M3
15218# *****
15219# R2009.C0011-----
15220# CONTINUOUS NASHVD 5.0 01:M3 39.000 .187 2009.0729.2045 148.13 .234 .000
15221# [Cm 46.0; Nm 3.00; Tpe 1.68]
15222# [IaRc=24.00; SMIH= 91.21; SMAX=807.93; SKE = 100]
15223# [InterevntTime = 24.00]
15224# *****
15225# # M4
15226# *****
15227# R2009.C0012-----
15228# CONTINUOUS NASHVD 5.0 01:M4 50.96 .513 2009.0729.2015 156.65 .247 .000
15229# [Cm 51.0; Nm 3.00; Tpe 1.95]
15230# [IaRc=24.00; SMIH= 91.03; SMAX=606.70; SKE = 100]
15231# [InterevntTime = 24.00]
15232# *****
15233# # M5
15234# *****
15235# R2009.C0013-----
15236# CONTINUOUS NASHVD 5.0 01:M5 56.26 .581 2009.0729.2105 161.65 .255 .000
15237# [Cm 59.0; Nm 3.00; Tpe 1.64]
15238# [IaRc=24.00; SMIH= 79.69; SMAX=531.24; SKE = 100]
15239# [InterevntTime = 24.00]
15240# *****
15241# # M6
15242# *****
15243# R2009.C0014-----
15244# CONTINUOUS NASHVD 5.0 01:M6 25.62 .345 2009.0729.2015 171.40 .271 .000
15245# [Cm 62.0; Nm 3.00; Tpe 1.83]
15246# [IaRc=24.00; SMIH= 61.90; SMAX=412.66; SKE = 100]
15247# [InterevntTime = 24.00]
15248# *****
15249# # M7
15250# *****
15251# R2009.C0015-----
15252# CONTINUOUS NASHVD 5.0 01:M7 47.26 .707 2009.0729.2115 200.10 .316 .000
15253# [Cm 75.0; Nm 3.00; Tpe 2.29]
15254# [IaRc=24.00; SMIH= 39.81; SMAX=225.43; SKE = 100]
15255# [InterevntTime = 24.00]
15256# *****
15257# # M8
15258# *****
15259# R2009.C0016-----
15260# CONTINUOUS NASHVD 5.0 01:M8 54.26 .196 2009.0729.2015 206.78 .326 .000
15261# [Cm 78.0; Nm 3.00; Tpe 1.13]
15262# [IaRc=24.00; SMIH= 29.88; SMAX=199.22; SKE = 100]
15263# [InterevntTime = 24.00]
15264# *****
15265# # M9
15266# *****
15267# R2009.C0017-----
15268# CONTINUOUS NASHVD 5.0 01:M9 24.24 .605 2009.0729.2015 193.73 .306 .000
15269# [Cm 71.0; Nm 3.00; Tpe 1.13]
15270# [IaRc=24.00; SMIH= 43.81; SMAX=254.55; SKE = 100]
15271# [InterevntTime = 24.00]
15272# *****
15273# # SITE
15274# *****
15275# R2009.C0018-----
15276# CONTINUOUS NASHVD 5.0 01:SITE 60.48 1.072 2009.0729.2010 166.42 .263 .000
15277# [Cm 59.0; Nm 3.00; Tpe 1.75]
15278# [IaRc=24.00; SMIH= 70.11; SMAX=467.39; SKE = 100]
15279# [InterevntTime = 24.00]
15280# *****
15281# # T1
15282# *****
15283# R2009.C0019-----
15284# CONTINUOUS NASHVD 5.0 01:T1 79.25 1.415 2009.0729.2015 187.72 .296 .000
15285# [Cm 79.0; Nm 3.00; Tpe 1.461]
15286# [IaRc=24.00; SMIH= 43.07; SMAX=287.10; SKE = 100]
15287# [InterevntTime = 24.00]
15288# *****
15289# # T2
15290# *****
15291# R2009.C0020-----
15292# CONTINUOUS NASHVD 5.0 01:T2 109.81 1.498 2009.0729.2115 191.69 .303 .000
15293# [Cm 72.0; Nm 3.00; Tpe 2.34]
15294# [IaRc=24.00; SMIH= 39.75; SMAX=264.99; SKE = 100]
15295# [InterevntTime = 24.00]
15296# *****
15297# # T3
15298# *****
15299# R2009.C0021-----
15300# CONTINUOUS NASHVD 5.0 01:T3 52.05 .135 2009.0729.1945 187.72 .296 .000

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158411 + 5.0 02177 68.50 .902 2010.0805 1150 145.66 n/a .000
158420 + 5.0 02187 47.26 .732 2010.0805 1035 147.28 n/a .000
158430 + 5.0 02181 566.50 5.153 2010.0805 2110 122.64 n/a .000
158440 + 5.0 02183 438.81 5.253 2010.0805 2110 139.57 n/a .000
158450 SUM= 1181.27 12.738 2010.0805 2110 133.27 n/a .000
158460 R2010C00053 -----DtmIn-ID:INHYD-----AREHA-QPEARCS-TPeakDate h:hm:-----RvM-R-C-----DMFCS
158470 ROUTE CHANNEL -----DtmIn-ID:INHYD-----AREHA-QPEARCS-TPeakDate h:hm:-----RvM-R-C-----DMFCS
158480 [RDF= 5.00] out<- 5.0 01:R14 1181.27 12.606 2010.0805 2120 133.27 n/a .000
158490 [L/S= 556./100./035]
158500 [Vmax= 3971max]
158510 R2010C00054 -----DtmIn-ID:INHYD-----AREHA-QPEARCS-TPeakDate h:hm:-----RvM-R-C-----DMFCS
158520 ADD HYD -----DtmIn-ID:INHYD-----AREHA-QPEARCS-TPeakDate h:hm:-----RvM-R-C-----DMFCS
158530 + 5.0 02184 1181.27 12.606 2010.0805 2120 133.27 n/a .000
158540 SUM= 5.0 01:OUT 1205.51 12.794 2010.0805 2115 135.56 n/a .000
158550 *****
158560 *****
158570 ** END OF RUN : 2011
158580 *****
158590 *****
158600 *****
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161950 *****
161960 *****
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161980 *****
161990 *****
162000 *****

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165611 [CEN= 175]-----DtmIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate hh:mm-----RvM-R-C-----DWfMcs
165612 R2013:CO0044-----DtmIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate hh:mm-----RvM-R-C-----DWfMcs
165613 SAVE HYD 5.0 01:31:2 566.50 3.388 2013.07.02 0:20 106.29 n/a .000
165614 *****
165615 *****
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165619 *****
165620 *****
165621 *****
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17641 ROUTE CHANNEL -> 5.0 02:EXT2 7.62 .099 2016.0813 23:30 85.80 n/a .000
17642 * [RDFE 5.00] outc- 5.0 01:R17 7.62 .078 2016.0814 0:05 85.80 n/a .000
17643 (Vmax=.195;Dmax=.092)
17644 -----AREAh-QPEARgms-TpeakDate hh:mm-----Rvmm-R-C-----DWfms
17645 R2016:C00039-----DtmIn-ID:HYD-----AREAh-QPEARgms-TpeakDate hh:mm-----Rvmm-R-C-----DWfms
17646 ROUTE CHANNEL -> 5.0 02:EXT3 17.96 .148 2016.0814 0:15 82.01 n/a .000
17647 * [RDFE 5.00] outc- 5.0 01:R18 17.96 .148 2016.0814 0:20 82.01 n/a .000
17648 (L/S/m= 181./ .339;Dmax= .113)
17649 -----DtmIn-ID:HYD-----AREAh-QPEARgms-TpeakDate hh:mm-----Rvmm-R-C-----DWfms
17650 R2016:C00040-----DtmIn-ID:HYD-----AREAh-QPEARgms-TpeakDate hh:mm-----Rvmm-R-C-----DWfms
17651 ADD HYD + 5.0 02:R7 7.62 .078 2016.0814 0:05 85.80 n/a .000
17652 + 5.0 02:R8 17.96 .148 2016.0814 0:15 82.01 n/a .000
17653 SUM= 5.0 01:210 25.58 .225 2016.0814 0:15 83.14 n/a .000
17654 R2016:C00039-----DtmIn-ID:HYD-----AREAh-QPEARgms-TpeakDate hh:mm-----Rvmm-R-C-----DWfms
17655 ROUTE CHANNEL -> 5.0 02:R10 25.58 .225 2016.0814 0:15 83.14 n/a .000
17656 * [RDFE 5.00] outc- 5.0 01:R9 25.58 .223 2016.0814 0:25 83.14 n/a .000
17657 (L/S/m= 366./ .413;Dmax= .177)
17658 -----DtmIn-ID:HYD-----AREAh-QPEARgms-TpeakDate hh:mm-----Rvmm-R-C-----DWfms
17659 R2016:C00040-----DtmIn-ID:HYD-----AREAh-QPEARgms-TpeakDate hh:mm-----Rvmm-R-C-----DWfms
17660 Add HYD + 5.0 02:R6 60.46 .369 2016.0814 0:45 75.01 n/a .000
17661 + 5.0 02:R9 25.58 .223 2016.0814 0:25 83.14 n/a .000
17662 + 5.0 02:R7 7.62 .078 2016.0814 0:05 85.80 n/a .000
17663 + 5.0 02:R4 1.55 .017 2016.0813 23:25 79.30 n/a .000
17664 + 5.0 02:R7E 60.48 .622 2016.0813 23:45 82.01 n/a .000
17665 SUM= 5.0 01:CATCHMENT 148.71 1.155 2016.0814 0:05 79.29 n/a .000
17666 R2016:C00041-----DtmIn-ID:HYD-----AREAh-QPEARgms-TpeakDate hh:mm-----Rvmm-R-C-----DWfms
17667 SAVE HYD 5.0 01:CATCHMENT 148.71 1.155 2016.0814 0:05 79.29 n/a .000
17668 #name :CATCHMENT.2016
17669 #remark:Total Pre Dev Runoff From Site
17670 R2016:C00042-----DtmIn-ID:HYD-----AREAh-QPEARgms-TpeakDate hh:mm-----Rvmm-R-C-----DWfms
17671 ADD HYD + 5.0 02:127 379.46 1.782 2016.0814 2:05 78.15 n/a .000
17672 + 5.0 02:R6 60.46 .369 2016.0814 0:45 75.01 n/a .000
17673 + 5.0 02:R9 25.58 .223 2016.0814 0:25 83.14 n/a .000
17674 + 5.0 02:R7E 60.48 .622 2016.0813 23:45 82.01 n/a .000
17675 + 5.0 02:R17E 60.48 .622 2016.0813 23:45 82.01 n/a .000
17676 SUM= 5.0 01:211 526.62 2.518 2016.0814 1:20 78.47 n/a .000
17677 R2016:C00043-----DtmIn-ID:HYD-----AREAh-QPEARgms-TpeakDate hh:mm-----Rvmm-R-C-----DWfms
17678 ROUTE CHANNEL -> 5.0 02:211 526.62 2.518 2016.0814 1:20 78.47 n/a .000
17679 * [RDFE 5.00] outc- 5.0 01:R10 526.62 2.504 2016.0814 1:35 78.47 n/a .000
17680 (L/S/m= 706./ .100;Dmax= .345)
17681 -----DtmIn-ID:HYD-----AREAh-QPEARgms-TpeakDate hh:mm-----Rvmm-R-C-----DWfms
17682 R2016:C00044-----DtmIn-ID:HYD-----AREAh-QPEARgms-TpeakDate hh:mm-----Rvmm-R-C-----DWfms
17683 ADD HYD + 5.0 02:R10 526.62 2.504 2016.0814 1:35 78.47 n/a .000
17684 + 5.0 02:R6 60.46 .369 2016.0814 0:45 75.01 n/a .000
17685 + 5.0 02:R8 14.26 .142 2016.0813 23:35 103.19 n/a .000
17686 SUM= 5.0 01:212 566.50 2.795 2016.0814 1:20 79.43 n/a .000
17687 R2016:C00045-----DtmIn-ID:HYD-----AREAh-QPEARgms-TpeakDate hh:mm-----Rvmm-R-C-----DWfms
17688 EROSION INDEX 5.0 01:212 566.50 .028 4478.25 120.25 2.69 7 .200E+06
17689 #code :175
17690 R2016:C00046-----DtmIn-ID:HYD-----AREAh-QPEARgms-TpeakDate hh:mm-----Rvmm-R-C-----DWfms
17691 SAVE HYD 5.0 01:212 566.50 2.795 2016.0814 1:20 79.43 n/a .000
17692 #name :J12.2016
17693 #remark:J12- DMX Erosion Mode MC-3
17694 R2016:C00047-----DtmIn-ID:HYD-----AREAh-QPEARgms-TpeakDate hh:mm-----Rvmm-R-C-----DWfms
17695 ROUTE CHANNEL -> 5.0 02:212 566.50 2.795 2016.0814 1:20 79.43 n/a .000
17696 * [RDFE 5.00] outc- 5.0 01:R11 566.50 2.614 2016.0814 2:00 79.43 n/a .000
17697 (L/S/m= 182./ .398;Dmax= .460)
17698 -----DtmIn-ID:HYD-----AREAh-QPEARgms-TpeakDate hh:mm-----Rvmm-R-C-----DWfms
17699 R2016:C00048-----DtmIn-ID:HYD-----AREAh-QPEARgms-TpeakDate hh:mm-----Rvmm-R-C-----DWfms
17700 Add HYD + 5.0 02:21 79.25 .878 2016.0814 0:35 84.17 n/a .000
17701 + 5.0 02:127 109.81 .583 2016.0814 1:00 96.47 n/a .000
17702 + 5.0 02:R3 12.05 .190 2016.0813 23:25 84.17 n/a .000
17703 SUM= 5.0 01:213 201.11 1.937 2016.0814 0:25 95.42 n/a .000
17704 R2016:C00048-----DtmIn-ID:HYD-----AREAh-QPEARgms-TpeakDate hh:mm-----Rvmm-R-C-----DWfms
17705 ROUTE CHANNEL -> 5.0 02:213 201.11 1.937 2016.0814 0:25 95.42 n/a .000
17706 * [RDFE 5.00] outc- 5.0 01:R12 201.11 1.902 2016.0814 0:40 95.42 n/a .000
17707 (L/S/m= 706./ .113;Dmax= .899)
17708 -----DtmIn-ID:HYD-----AREAh-QPEARgms-TpeakDate hh:mm-----Rvmm-R-C-----DWfms
17709 R2016:C00050-----DtmIn-ID:HYD-----AREAh-QPEARgms-TpeakDate hh:mm-----Rvmm-R-C-----DWfms
17710 Add HYD + 5.0 02:14 65.89 .127 2016.0814 0:35 103.68 n/a .000
17711 + 5.0 02:17 68.50 .561 2016.0814 1:15 96.47 n/a .000
17712 + 5.0 02:R12 47.26 .467 2016.0814 0:55 101.21 n/a .000
17713 SUM= 5.0 01:214 438.81 3.519 2016.0814 0:50 92.20 n/a .000
17714 R2016:C00051-----DtmIn-ID:HYD-----AREAh-QPEARgms-TpeakDate hh:mm-----Rvmm-R-C-----DWfms
17715 ROUTE CHANNEL -> 5.0 02:214 438.81 3.519 2016.0814 0:50 92.20 n/a .000
17716 * [RDFE 5.00] outc- 5.0 01:R13 438.81 3.308 2016.0814 2:50 92.20 n/a .000
17717 (L/S/m= 1025./ .103;Dmax= 1.078)
17718 -----DtmIn-ID:HYD-----AREAh-QPEARgms-TpeakDate hh:mm-----Rvmm-R-C-----DWfms
17719 R2016:C00052-----DtmIn-ID:HYD-----AREAh-QPEARgms-TpeakDate hh:mm-----Rvmm-R-C-----DWfms
17720 Add HYD + 5.0 02:16 60.29 .594 2016.0814 1:15 103.68 n/a .000
17721 + 5.0 02:17 68.50 .561 2016.0814 1:15 96.47 n/a .000
17722 + 5.0 02:R7 47.26 .467 2016.0814 0:55 101.21 n/a .000
17723 + 5.0 02:R11 566.50 2.614 2016.0814 2:00 79.43 n/a .000
17724 + 5.0 02:R13 438.81 3.308 2016.0814 2:50 92.20 n/a .000
17725 SUM= 5.0 01:215 1181.27 7.333 2016.0814 1:30 87.28 n/a .000
17726 R2016:C00053-----DtmIn-ID:HYD-----AREAh-QPEARgms-TpeakDate hh:mm-----Rvmm-R-C-----DWfms
17727 ROUTE CHANNEL -> 5.0 02:215 1181.27 7.333 2016.0814 1:30 87.28 n/a .000
17728 * [RDFE 5.00] outc- 5.0 01:R14 1181.27 7.238 2016.0814 1:50 87.28 n/a .000
17729 (L/S/m= 556./ .100;Dmax= .451)
17730 -----DtmIn-ID:HYD-----AREAh-QPEARgms-TpeakDate hh:mm-----Rvmm-R-C-----DWfms
17731 R2016:C00054-----DtmIn-ID:HYD-----AREAh-QPEARgms-TpeakDate hh:mm-----Rvmm-R-C-----DWfms
17732 ADD HYD + 5.0 02:R9 25.58 .223 2016.0813 23:45 82.01 n/a .000
17733 + 5.0 02:R14 1181.27 7.238 2016.0814 1:50 87.28 n/a .000
17734 SUM= 5.0 01:007 1205.51 7.367 2016.0814 1:45 87.49 n/a .000
17735 #-----
17736 #-----
17737 R2016:C00055-----DtmIn-ID:HYD-----AREAh-QPEARgms-TpeakDate hh:mm-----Rvmm-R-C-----DWfms
17738 FINISH
17739 #-----
17740 #-----
17741 #-----
17742 #-----
17743 #-----
17744 *** WARNING: Requested start date is less than start date in file.
17745 *** WARNING: Missing rainfall increments were set to 0.
17746 *** WARNING: Missing rainfall increments were set to 0.
17747 *** WARNING: Missing rainfall increments were set to 0.
17748 *** WARNING: Missing rainfall increments were set to 0.
17749 *** WARNING: Missing rainfall increments were set to 0.
17750 *** WARNING: Missing rainfall increments were set to 0.
17751 *** WARNING: Missing rainfall increments were set to 0.
17752 *** WARNING: Missing rainfall increments were set to 0.
17753 *** WARNING: Missing rainfall increments were set to 0.
17754 *** WARNING: Missing rainfall increments were set to 0.
17755 *** WARNING: Requested start date is less than start date in file.
17756 *** WARNING: Missing rainfall increments were set to 0.
17757 *** WARNING: Missing rainfall increments were set to 0.
17758 *** WARNING: Missing rainfall increments were set to 0.
17759 *** WARNING: Missing rainfall increments were set to 0.
17760 *** WARNING: Missing rainfall increments were set to 0.
17761 R1981:C00026 ROUTE CHANNEL ->
17762 *** WARNING: TRAVEL TIME TABLE was exceeded
17763 R1981:C00028 ROUTE CHANNEL ->
17764 *** WARNING: TRAVEL TIME TABLE was exceeded
17765 R1981:C00049 ROUTE CHANNEL ->
17766 *** WARNING: TRAVEL TIME TABLE was exceeded
17767 R1982:C00002 READ AFS DATA
17768 *** WARNING: Missing rainfall increments were set to 0.
17769 *** WARNING: Missing rainfall increments were set to 0.
17770 *** WARNING: Missing rainfall increments were set to 0.
17771 *** WARNING: Missing rainfall increments were set to 0.
17772 *** WARNING: Missing rainfall increments were set to 0.
17773 *** WARNING: Requested start date is less than start date in file.
17774 *** WARNING: Missing rainfall increments were set to 0.
17775 *** WARNING: Missing rainfall increments were set to 0.
17776 *** WARNING: Missing rainfall increments were set to 0.
17777 *** WARNING: Requested start date is less than start date in file.
17778 *** WARNING: Missing rainfall increments were set to 0.
17779 *** WARNING: Missing rainfall increments were set to 0.
17780 *** WARNING: Missing rainfall increments were set to 0.
17781 *** WARNING: Missing rainfall increments were set to 0.
17782 *** WARNING: Missing rainfall increments were set to 0.
17783 *** WARNING: Missing rainfall increments were set to 0.
17784 *** WARNING: Requested start date is less than start date in file.
17785 *** WARNING: Missing rainfall increments were set to 0.
17786 *** WARNING: Missing rainfall increments were set to 0.
17787 *** WARNING: Requested start date is less than start date in file.
17788 *** WARNING: Missing rainfall increments were set to 0.
17789 *** WARNING: Requested start date is less than start date in file.
17790 *** WARNING: Missing rainfall increments were set to 0.
17791 *** WARNING: Requested start date is less than start date in file.
17792 *** WARNING: Missing rainfall increments were set to 0.
17793 *** WARNING: Requested start date is less than start date in file.
17794 *** WARNING: Missing rainfall increments were set to 0.
17795 *** WARNING: Requested start date is less than start date in file.
17796 *** WARNING: Missing rainfall increments were set to 0.
17797 *** WARNING: Requested start date is less than start date in file.
17798 *** WARNING: Missing rainfall increments were set to 0.
17799 R2004:C00028 ROUTE CHANNEL
17800 *** WARNING: TRAVEL TIME TABLE was exceeded
17801 R2004:C00049 ROUTE CHANNEL ->
17802 *** WARNING: TRAVEL TIME TABLE was exceeded
17803 R2006:C00002 READ AFS DATA
17804 *** WARNING: Requested start date is less than start date in file.
17805 *** WARNING: Missing rainfall increments were set to 0.
17806 *** WARNING: Requested start date is less than start date in file.
17807 *** WARNING: Missing rainfall increments were set to 0.
17808 *** WARNING: Requested start date is less than start date in file.
17809 *** WARNING: Missing rainfall increments were set to 0.
17810 *** WARNING: Requested start date is less than start date in file.
17811 *** WARNING: Missing rainfall increments were set to 0.
17812 *** WARNING: Requested start date is less than start date in file.
17813 *** WARNING: Missing rainfall increments were set to 0.
17814 *** WARNING: Requested start date is less than start date in file.
17815 *** WARNING: Missing rainfall increments were set to 0.
17816 *** WARNING: Requested start date is less than start date in file.
17817 *** WARNING: Missing rainfall increments were set to 0.
17818 *** WARNING: Requested start date is less than start date in file.
17819 *** WARNING: Missing rainfall increments were set to 0.
17820 *** WARNING: Requested start date is less than start date in file.

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17821 *** WARNING: Missing rainfall increments were set to 0.
17822 *** WARNING: Requested start date is less than start date in file.
17823 *** WARNING: Specified end date is beyond the end date in file.
17824 *** WARNING: Missing rainfall increments were set to 0.
17825 Simulation ended on 2025-07-28 at 10:27:00
17826 =====
17827

```

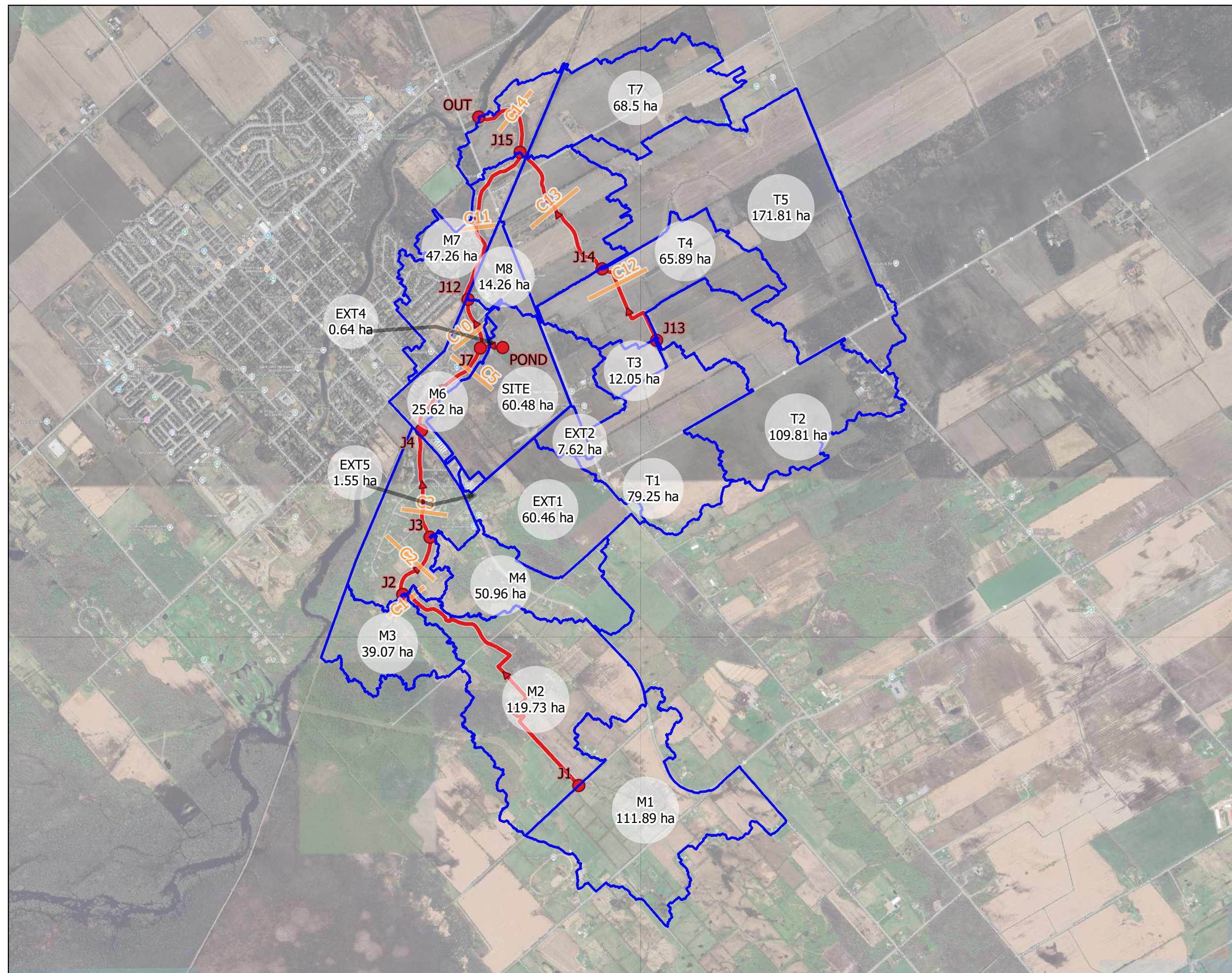


JFSA Canada Inc.
52 Springbrook Drive,
Ottawa, ON K2S 1B9
T 613-836-3884 F 613-836-0332

jfsa.com

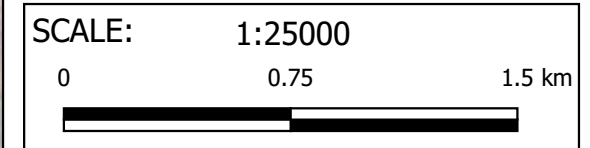
Attachment B

Post Development



Legend

- Subcatchments
[Name]
[Area]
- Junctions
- Channel Cross Sections
- ➔ Channel Routing Path



Tamarack Richmond
Malborough creek

Figure B1: Post-development
Route Channels

PROJECT	2001(e01)
DRAWN	OS
DATE	29-09-2025

```
1 20 Metric units / ID numbers OFF
2 *#*****
  *****
3 *# SWMHYMO / INPUT DATA FILE
4 *#*****
  *****
5 *# Project Name : [Tamarack Richmond]
6 *# Project Number: [P2001(e01)]
7 *# Date : [2025 JULY 18]
8 *# Modeller : [JF and OS]
9 *# Company : JFSA Canada Inc.
10 *# License # : 2549237
11 *#*****
  *****
12 *# Model developed to simulate runoff from subcatchments under pre development conditions
13 *#*****
  *****
14 *% 25mm, 3-Hour Chicago Storm
15 START TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[001]
16 ["25MMC3H.stm"] <--storm filename, one per line for NSTORM time
17 *%-----|-----
18 READ STORM STORM_FILENAME=["STORM.001"]
19 *%-----|-----
20 *#*****
  *****
21 *# EXT1
22 *#*****
  *****
23 CALIB NASHYD NHYD=["EXT1"], DT[1] (min), AREA=[60.46] (ha),
24 DWF=[0] (cms), CN=[51],
25 IA=[4.67] (mm), N=[3], TP[1.75] (hrs),
26 RAINFALL[ , , -1]
27 *#*****
  *****
28 *# EXT2
29 *#*****
  *****
30 CALIB NASHYD NHYD=["EXT2"], DT[1] (min), AREA=[7.62] (ha),
31 DWF=[0] (cms), CN=[63],
32 IA=[4.67] (mm), N=[3], TP[0.92] (hrs),
33 RAINFALL[ , , -1]
34 *#*****
  *****
35 *# EXT3
36 *#*****
  *****
37 CALIB NASHYD NHYD=["EXT3"], DT[1] (min), AREA=[17.96] (ha),
38 DWF=[0] (cms), CN=[59],
39 IA=[4.67] (mm), N=[3], TP[1.64] (hrs),
40 RAINFALL[ , , -1]
41 *#*****
  *****
42 *# EXT4
43 *#*****
  *****
44 CALIB NASHYD NHYD=["EXT4"], DT[1] (min), AREA=[0.64] (ha),
45 DWF=[0] (cms), CN=[48],
46 IA=[4.67] (mm), N=[3], TP[0.43] (hrs),
47 RAINFALL[ , , -1]
48 *#*****
  *****
49 *# EXT5
50 *#*****
  *****
51 CALIB NASHYD NHYD=["EXT5"], DT[1] (min), AREA=[1.55] (ha),
52 DWF=[0] (cms), CN=[56],
53 IA=[4.67] (mm), N=[3], TP[0.44] (hrs),
54 RAINFALL[ , , -1]
55 *#*****
  *****
```

```
*****
56 *# M1
57 *#*****
*****
58 CALIB NASHYD      NHYD=["M1"], DT[1] (min), AREA=[111.89] (ha),
59                   DWF=[0] (cms), CN=[59],
60                   IA=[4.67] (mm), N=[3], TP[1.71] (hrs),
61                   RAINFALL[ , , -1]
62 *#*****
*****
63 *# M2
64 *#*****
*****
65 CALIB NASHYD      NHYD=["M2"], DT[1] (min), AREA=[119.73] (ha),
66                   DWF=[0] (cms), CN=[53],
67                   IA=[4.67] (mm), N=[3], TP[3.12] (hrs),
68                   RAINFALL[ , , -1]
69 *#*****
*****
70 *# M3
71 *#*****
*****
72 CALIB NASHYD      NHYD=["M3"], DT[1] (min), AREA=[39.07] (ha),
73                   DWF=[0] (cms), CN=[46],
74                   IA=[4.67] (mm), N=[3], TP[1.68] (hrs),
75                   RAINFALL[ , , -1]
76 *#*****
*****
77 *# M4
78 *#*****
*****
79 CALIB NASHYD      NHYD=["M4"], DT[1] (min), AREA=[50.96] (ha),
80                   DWF=[0] (cms), CN=[53],
81                   IA=[4.67] (mm), N=[3], TP[1.95] (hrs),
82                   RAINFALL[ , , -1]
83 *#*****
*****
84 *# M5
85 *#*****
*****
86 CALIB NASHYD      NHYD=["M5"], DT[1] (min), AREA=[56.26] (ha),
87                   DWF=[0] (cms), CN=[56],
88                   IA=[4.67] (mm), N=[3], TP[2.09] (hrs),
89                   RAINFALL[ , , -1]
90 *#*****
*****
91 *# M6
92 *#*****
*****
93 CALIB NASHYD      NHYD=["M6"], DT[1] (min), AREA=[25.62] (ha),
94                   DWF=[0] (cms), CN=[62],
95                   IA=[4.67] (mm), N=[3], TP[1.83] (hrs),
96                   RAINFALL[ , , -1]
97 *#*****
*****
98 *# M7
99 *#*****
*****
100 CALIB NASHYD     NHYD=["M7"], DT[1] (min), AREA=[47.26] (ha),
101                   DWF=[0] (cms), CN=[75],
102                   IA=[4.67] (mm), N=[3], TP[2.29] (hrs),
103                   RAINFALL[ , , -1]
104 *#*****
*****
105 *# M8
106 *#*****
*****
107 CALIB NASHYD     NHYD=["M8"], DT[1] (min), AREA=[14.26] (ha),
108                   DWF=[0] (cms), CN=[78],
```

```
109 IA=[4.67] (mm), N=[3], TP[1.13] (hrs),
110 RAINFALL[ , , -1]
111 *#*****
*****
112 *# M9
113 *#*****
*****
114 CALIB NASHYD NHYD=["M9"], DT[1] (min), AREA=[24.24] (ha),
115 DWF=[0] (cms), CN=[73],
116 IA=[4.67] (mm), N=[3], TP[1.13] (hrs),
117 RAINFALL[ , , -1]
118 *#*****
*****
119 *# SITE
120 *#*****
*****
121 CALIB STANDHYD NHYD=["SITE"], DT=[1] (min), AREA=[60.48] (ha), XIMP=[0.648],
TIMP=[0.648], DWF=[0.0] (cms),
122 LOSS=[1] Horton Equ: Fo=[76.2] (mm/hr), Fc=[13.2] (mm/hr),
123 DCAY=[4.14] (/hr), F=[0.00] (mm),
Pervious areas: IAper=[4.67] (mm), SLPP=[2.0] (%), LGP=[40] (m),
124 MNP=[0.25], SCP=[0] (min),
Impervious areas: IAimp=[1.57] (mm), SLPI=[2.0] (%), LGI=[634.98] (m),
125 MNI=[0.013], SCI=[0] (min),
126 RAINFALL=[ , , -1]
*%-----|-----
----|-----|
127 *#*****
*****
128 *# T1
129 *#*****
*****
130 CALIB NASHYD NHYD=["T1"], DT[1] (min), AREA=[79.25] (ha),
131 DWF=[0] (cms), CN=[70],
132 IA=[4.67] (mm), N=[3], TP[1.64] (hrs),
133 RAINFALL[ , , -1]
134 *#*****
*****
135 *# T2
136 *#*****
*****
137 CALIB NASHYD NHYD=["T2"], DT[1] (min), AREA=[109.81] (ha),
138 DWF=[0] (cms), CN=[72],
139 IA=[4.67] (mm), N=[3], TP[2.34] (hrs),
140 RAINFALL[ , , -1]
141 *#*****
*****
142 *# T3
143 *#*****
*****
144 CALIB NASHYD NHYD=["T3"], DT[1] (min), AREA=[12.05] (ha),
145 DWF=[0] (cms), CN=[70],
146 IA=[4.67] (mm), N=[3], TP[0.87] (hrs),
147 RAINFALL[ , , -1]
148 *#*****
*****
149 *# T4
150 *#*****
*****
151 CALIB NASHYD NHYD=["T4"], DT[1] (min), AREA=[65.89] (ha),
152 DWF=[0] (cms), CN=[72],
153 IA=[4.67] (mm), N=[3], TP[1.76] (hrs),
154 RAINFALL[ , , -1]
155 *#*****
*****
156 *# T5
157 *#*****
*****
158 CALIB NASHYD NHYD=["T5"], DT[1] (min), AREA=[171.81] (ha),
```

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159          DWF=[0] (cms), CN=[64],
160          IA=[4.67] (mm), N=[3], TP[3.07] (hrs),
161          RAINFALL[ , , -1]
162 *****
163 *# T6
164 *****
165 CALIB NASHYD          NHYD=["T6"], DT[1] (min), AREA=[60.20] (ha),
166          DWF=[0] (cms), CN=[77],
167          IA=[4.67] (mm), N=[3], TP[2.98] (hrs),
168          RAINFALL[ , , -1]
169 *****
170 *# T7
171 *****
172 CALIB NASHYD          NHYD=["T7"], DT[1] (min), AREA=[68.50] (ha),
173          DWF=[0] (cms), CN=[72],
174          IA=[4.67] (mm), N=[3], TP[2.63] (hrs),
175          RAINFALL[ , , -1]
176 *****
177 * NOTE: Cross-section C1 is taken from the LiDAR data
178 ROUTE CHANNEL          NHYDout=["R1"], NHYDin=["M1"], RDT=[1] (min),
179          CHLGTH=[2381.159] (m), CHSLOPE=[0.105] (%), FPSLOPE=[0.105] (%),
180          SECNUM=[1], NSEG=[3],
181          ( SEGROUGH, SEGDIST (m))=[0.08,2.74 -0.035,26.04 0.08,28.78] NSEG
182          times
183          ( DISTANCE (m), ELEVATION (m))=[1.37, 94.96]
184          [2.74, 94.87]
185          [4.11, 94.78]
186          [5.48, 94.67]
187          [6.85, 94.62]
188          [8.22, 94.39]
189          [9.59, 94.24]
190          [10.96, 94.27]
191          [12.33, 94.35]
192          [13.7, 94.42]
193          [15.07, 94.49]
194          [16.44, 94.57]
195          [17.81, 94.61]
196          [23.29, 94.75]
197          [24.66, 94.82]
198          [26.04, 94.85]
199          [27.41, 94.91]
200          [28.78, 94.94]
201 *%-----|-----|
202 ADD HYD          NHYDsum=["J2"], NHYDs to add=["R1"+"M2"+"M3"]
203 *%-----|-----|
204 * NOTE: Cross-section C2 is taken from the LiDAR data
205 ROUTE CHANNEL          NHYDout=["R2"], NHYDin=["J2"], RDT=[1] (min),
206          CHLGTH=[470.986] (m), CHSLOPE=[0.221] (%), FPSLOPE=[0.221] (%),
207          SECNUM=[2], NSEG=[3],
208          ( SEGROUGH, SEGDIST (m))=[0.08,8.28 -0.035,28.98 0.08,30.36] NSEG
209          times
210          ( DISTANCE (m), ELEVATION (m))=[5.52, 94.07]
211          [6.9, 94.04]
212          [8.28, 93.99]
213          [9.66, 93.84]
214          [11.04, 93.75]
215          [12.42, 93.58]
216          [13.8, 93.53]
217          [15.18, 93.48]
218          [16.56, 93.44]
219          [17.94, 93.35]
220          [19.32, 93.4]
221          [20.7, 93.47]
222          [22.08, 93.58]

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221                                     [23.46, 93.64]
222                                     [24.84, 93.79]
223                                     [26.22, 93.88]
224                                     [27.6, 93.92]
225                                     [28.98, 94.01]
226                                     [30.36, 94.14]
227 *%-----|-----|
228 ADD HYD          NHYDsum=["J3"], NHYDs to add=["R2"+"M4"]
229 *%-----|-----|
230 * NOTE: Cross-section C3 is taken from the LiDAR data
231 ROUTE CHANNEL    NHYDout=["R3"], NHYDin=["J3"], RDT=[1] (min),
232                  CHLGTH=[733.681] (m), CHSLOPE=[0.1] (%), FPSLOPE=[0.1] (%),
233                  SECNUM=[3], NSEG=[3],
234                  ( SEGRROUGH, SEGDIST (m))=[0.08,4.06 -0.035,61.98 0.08,67.06] NSEG
                times
235                  ( DISTANCE (m), ELEVATION (m))=[2.03, 94.57]
236                                     [4.06, 94.33]
237                                     [6.1, 94.26]
238                                     [9.14, 94.13]
239                                     [15.24, 93.62]
240                                     [17.27, 93.57]
241                                     [22.35, 93.39]
242                                     [24.38, 93.13]
243                                     [25.4, 93.08]
244                                     [27.43, 92.9]
245                                     [42.67, 92.8]
246                                     [43.69, 92.87]
247                                     [47.75, 93.28]
248                                     [48.77, 93.35]
249                                     [50.8, 93.65]
250                                     [53.85, 93.82]
251                                     [55.88, 93.88]
252                                     [61.98, 94.31]
253                                     [64.01, 94.42]
254                                     [67.06, 94.48]
255 *%-----|-----|
256 ADD HYD          NHYDsum=["J4"], NHYDs to add=["R3"+"M5"]
257 *%-----|-----|
258 * NOTE: Cross-section C5 is taken from the LiDAR data
259 ROUTE CHANNEL    NHYDout=["R5"], NHYDin=["J4"], RDT=[1] (min),
260                  CHLGTH=[640.933] (m), CHSLOPE=[0.145] (%), FPSLOPE=[0.145] (%),
261                  SECNUM=[5], NSEG=[3],
262                  ( SEGRROUGH, SEGDIST (m))=[0.08,71.08 -0.035,96.93 0.08,102.1] NSEG
                times
263                  ( DISTANCE (m), ELEVATION (m))=[67.2, 93.03]
264                                     [68.49, 92.95]
265                                     [71.08, 92.81]
266                                     [73.66, 92.64]
267                                     [74.96, 92.5]
268                                     [77.54, 92.22]
269                                     [78.83, 92.09]
270                                     [82.71, 91.89]
271                                     [85.29, 91.86]
272                                     [87.88, 91.84]
273                                     [90.46, 92]
274                                     [91.76, 92.23]
275                                     [93.05, 92.45]
276                                     [95.63, 92.73]
277                                     [96.93, 92.87]
278                                     [99.51, 93.13]
279                                     [102.1, 93.39]
280 *%-----|-----|
281 ADD HYD          NHYDsum=["PONDin"], NHYDs to
add=["EXT1"+"EXT2"+"EXT3"+"EXT4"+"EXT5"+"SITE"]
282 *%-----|-----|
283 ROUTE RESERVOIR  NHYDout=["PONDout"], NHYDin=["PONDin"], RDT=[ 1 ] (min),
284                  TABLE of ( OUTFLOW-STORAGE ) values
285                  (cms) - (ha-m)
286                  [ 0 , 0 ]

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287          [ 0.069 , 0.595 ]
288          [ 0.14 , 0.90563 ]
289          [ 0.243 , 1.23005 ]
290          [ 0.385 , 1.57746 ]
291          [ 0.772 , 2.08418 ]
292          [ 1.135 , 2.357 ]
293          [ 1.655 , 2.68442 ]
294          [ 2.143 , 2.95124 ]
295          [ 2.908 , 3.22 ]
296          [ -1 , -1 ] (maximum one hundred pairs of points)
297          NHYDovf=["PONDovf"],
298 *%-----|-----|
299 ADD HYD      NHYDsum=["PONDtotal"], NHYDs to add=["PONDout"+"PONDovf"]
300 *%-----|-----|
301 ADD HYD      NHYDsum=["J7"], NHYDs to add=["R5"+"PONDtotal"]
302 *%-----|-----|
303 * NOTE: Cross-section C10 is taken from the LiDAR data
304 ROUTE CHANNEL NHYDout=["R10"], NHYDin=["J7"], RDT=[1] (min),
305              CHLGTH=[349.089] (m), CHSLOPE=[0.1] (%), FPSLOPE=[0.1] (%),
306              SECNUM=[10], NSEG=[3],
307              ( SEGROUGH, SEGDIST (m))=[0.08,7.52 -0.035,87.69 0.08,95.21] NSEG
308              times
309              ( DISTANCE (m), ELEVATION (m))=[0, 93.73]
310              [3.76, 93.66]
311              [7.52, 93.51]
312              [16.29, 93.22]
313              [22.55, 92.99]
314              [31.32, 92.89]
315              [40.09, 92.81]
316              [50.11, 92.49]
317              [51.36, 92.25]
318              [61.38, 91.74]
319              [63.89, 91.5]
320              [80.18, 91.52]
321              [81.43, 91.71]
322              [83.93, 92]
323              [85.19, 92.66]
324              [86.44, 93.31]
325              [87.69, 93.51]
326              [91.45, 93.69]
327              [95.21, 93.73]
328 *%-----|-----|
329 ADD HYD      NHYDsum=["J12"], NHYDs to add=["R10"+"M6"+"M8"]
330 *%-----|-----|
331 * NOTE: Cross-section C11 is taken from the LiDAR data
332 ROUTE CHANNEL NHYDout=["R11"], NHYDin=["J12"], RDT=[1] (min),
333              CHLGTH=[1181.518] (m), CHSLOPE=[0.1] (%), FPSLOPE=[0.1] (%),
334              SECNUM=[11], NSEG=[3],
335              ( SEGROUGH, SEGDIST (m))=[0.08,37.47 -0.035,88.11 0.08,97.22] NSEG
336              times
337              ( DISTANCE (m), ELEVATION (m))=[34.43, 93.16]
338              [37.47, 92.53]
339              [40.51, 91.85]
340              [43.55, 91.36]
341              [46.59, 91.07]
342              [51.65, 90.71]
343              [58.74, 90.66]
344              [62.79, 90.85]
345              [66.84, 90.95]
346              [71.9, 91.37]
347              [80.01, 91.45]
348              [84.06, 91.85]
349              [86.08, 92.16]
350              [88.11, 92.59]
351              [94.19, 92.94]
352              [97.22, 93.2]
353 *%-----|-----|
354 ADD HYD      NHYDsum=["J13"], NHYDs to add=["T1"+"T2"+"T3"]
355 *%-----|-----|

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354 * NOTE: Cross-section C12 is taken from the LiDAR data
355 ROUTE CHANNEL      NHYDout=["R12"], NHYDin=["J13"], RDT=[1] (min),
356                   CHLGTH=[705.792] (m), CHSLOPE=[0.116] (%), FPSLOPE=[0.116] (%),
357                   SECNUM=[12], NSEG=[3],
358                   ( SEGROUGH, SEGDIST (m))=[0.08,67.9 -0.035,74.69 0.08,75.82] NSEG
                   times
359                   ( DISTANCE (m), ELEVATION (m))=[66.77, 92.59]
360                   [67.9, 92.33]
361                   [69.03, 91.9]
362                   [70.17, 91.16]
363                   [71.3, 91.07]
364                   [72.43, 91.23]
365                   [73.56, 91.75]
366                   [74.69, 92.68]
367                   [75.82, 92.75]
368 *%-----|-----|
369 ADD HYD        NHYDsum=["J14"], NHYDs to add=["T4"+"T5"+"R12"]
370 *%-----|-----|
371 * NOTE: Cross-section C13 is taken from the LiDAR data
372 ROUTE CHANNEL      NHYDout=["R13"], NHYDin=["J14"], RDT=[1] (min),
373                   CHLGTH=[1015.406] (m), CHSLOPE=[0.1] (%), FPSLOPE=[0.1] (%),
374                   SECNUM=[13], NSEG=[3],
375                   ( SEGROUGH, SEGDIST (m))=[0.08,4.12 -0.035,67.25 0.08,71.37] NSEG
                   times
376                   ( DISTANCE (m), ELEVATION (m))=[0, 92.15]
377                   [1.37, 92.1]
378                   [4.12, 92.02]
379                   [9.61, 91.92]
380                   [17.84, 91.82]
381                   [21.96, 91.8]
382                   [31.57, 91.73]
383                   [42.54, 91.66]
384                   [46.66, 91.62]
385                   [54.9, 91.58]
386                   [56.27, 91.21]
387                   [57.64, 90.73]
388                   [59.01, 90.67]
389                   [61.76, 90.77]
390                   [63.13, 91.31]
391                   [64.5, 91.8]
392                   [67.25, 92.03]
393                   [69.99, 92.16]
394                   [71.37, 92.28]
395 *%-----|-----|
396 ADD HYD        NHYDsum=["J15"], NHYDs to add=["T6"+"T7"+"M7"+"R11"+"R13"]
397 *%-----|-----|
398 * NOTE: Cross-section C14 is taken from the LiDAR data
399 ROUTE CHANNEL      NHYDout=["R14"], NHYDin=["J15"], RDT=[1] (min),
400                   CHLGTH=[555.855] (m), CHSLOPE=[0.1] (%), FPSLOPE=[0.1] (%),
401                   SECNUM=[14], NSEG=[3],
402                   ( SEGROUGH, SEGDIST (m))=[0.08,62.04 -0.035,159.54 0.08,163.34]
                   NSEG times
403                   ( DISTANCE (m), ELEVATION (m))=[58.24, 91.88]
404                   [59.51, 91.83]
405                   [60.78, 91.76]
406                   [62.04, 91.53]
407                   [63.31, 91.13]
408                   [64.58, 90.7]
409                   [67.11, 90.45]
410                   [75.97, 90.38]
411                   [82.3, 90.37]
412                   [93.7, 90.38]
413                   [98.76, 90.42]
414                   [100.03, 90.56]
415                   [103.83, 91.07]
416                   [105.09, 91.1]
417                   [153.21, 91.26]
418                   [154.48, 91.32]
419                   [158.27, 91.48]

```



```

420                                     [159.54, 91.53]
421                                     [160.81, 91.6]
422                                     [163.34, 91.63]
423 *%-----|-----|
424 ADD HYD          NHYDsum=["OUT"], NHYDs to add=["M9"+"R14"]
425 *%-----|-----|
426 *#####|
427 *# STORMS
428 *#####|
429 *% 2-Year, 3-Hour Chicago Storm
430 START          TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[002]
431                ["002YC3H.stm"] <--storm filename, one per line for NSTORM time
432 *%-----|-----|
433 *% 5-Year, 3-Hour Chicago Storm
434 START          TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[005]
435                ["005YC3H.stm"] <--storm filename, one per line for NSTORM time
436 *%-----|-----|
437 *% 10-Year, 3-Hour Chicago Storm
438 START          TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[010]
439                ["010YC3H.stm"] <--storm filename, one per line for NSTORM time
440 *%-----|-----|
441 *% 25-Year, 3-Hour Chicago Storm
442 START          TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[025]
443                ["025YC3H.stm"] <--storm filename, one per line for NSTORM time
444 *%-----|-----|
445 *% 50-Year, 3-Hour Chicago Storm
446 START          TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[050]
447                ["050YC3H.stm"] <--storm filename, one per line for NSTORM time
448 *%-----|-----|
449 *% 100-Year, 3-Hour Chicago Storm
450 START          TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[099]
451                ["100YC3H.stm"] <--storm filename, one per line for NSTORM time
452 *%-----|-----|
453 *% 2-Year, 24-Hour SCS Storm
454 START          TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[102]
455                ["SC24002x.stm"] <--storm filename, one per line for NSTORM time
456 *%-----|-----|
457 *% 5-Year, 24-Hour SCS Storm
458 START          TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[105]
459                ["SC24005x.stm"] <--storm filename, one per line for NSTORM time
460 *%-----|-----|
461 *% 10-Year, 24-Hour SCS Storm
462 START          TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[110]
463                ["SC24010x.stm"] <--storm filename, one per line for NSTORM time
464 *%-----|-----|
465 *% 25-Year, 24-Hour SCS Storm
466 START          TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[125]
467                ["SC24025x.stm"] <--storm filename, one per line for NSTORM time
468 *%-----|-----|
469 *% 50-Year, 24-Hour SCS Storm
470 START          TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[150]
471                ["SC24050x.stm"] <--storm filename, one per line for NSTORM time
472 *%-----|-----|
473 *% 100-Year, 24-Hour SCS Storm
474 START          TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[199]
475                ["SC24100x.stm"] <--storm filename, one per line for NSTORM time
476 *%-----|-----|
477 *% 100-Year, 24-Hour SCS Storm + 20%
478 *START          TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[998]
479 *%                ["SC24100x+.stm"] <--storm filename, one per line for NSTORM time
480 *%-----|-----|
481 *% 100-Year, 3-Hour Chicago Storm + 20%
482 *START          TZERO=[0.0], METOUT=[2], NSTORM=[1], NRUN=[999]
483 *%                ["100YRCHI3HR+.stm"] <--storm filename, one per line for NSTORM time
484 *%-----|-----|
485 FINISH

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00361 [CN= 63.0; Nm= 3.00; Tpe= .92]
00362 *****
00363 EXT3
00364 *****
00365 R0002:CO0005 DtmIn-ID:INHYD AREAha-OPEARcm-TpaeDate h:hm:m-Rvm-R-C--DWFMS
00366 CALIB NASHYD 1.0 01:EXT3 17.96 .052 No date 3114 3.63 114 .000
00367 [CN= 58.0; Nm= 3.00; Tpe= 1.71]
00368 *****
00369 EXT4
00370 *****
00371 R0002:CO0006 DtmIn-ID:INHYD AREAha-OPEARcm-TpaeDate h:hm:m-Rvm-R-C--DWFMS
00372 CALIB NASHYD 1.0 01:EXT3 5.64 .093 No date 1135 2.44 .077 .000
00373 [CN= 48.0; Nm= 3.00; Tpe= .43]
00374 *****
00375 EXT5
00376 *****
00377 R0002:CO0007 DtmIn-ID:INHYD AREAha-OPEARcm-TpaeDate h:hm:m-Rvm-R-C--DWFMS
00378 CALIB NASHYD 1.0 01:EXT5 1.95 .010 No date 1136 3.26 102 .000
00379 [CN= 56.0; Nm= 3.00; Tpe= .44]
00380 *****
00381 M1
00382 *****
00383 R0002:CO0008 DtmIn-ID:INHYD AREAha-OPEARcm-TpaeDate h:hm:m-Rvm-R-C--DWFMS
00384 CALIB NASHYD 1.0 01:M1 111.89 .316 No date 3118 3.63 114 .000
00385 [CN= 59.0; Nm= 3.00; Tpe= 1.71]
00386 *****
00387 M2
00388 *****
00389 R0002:CO0009 DtmIn-ID:INHYD AREAha-OPEARcm-TpaeDate h:hm:m-Rvm-R-C--DWFMS
00390 CALIB NASHYD 1.0 01:M2 119.70 .165 No date 4149 2.93 492 .000
00391 [CN= 59.0; Nm= 3.00; Tpe= 1.12]
00392 *****
00393 M3
00394 *****
00395 R0002:CO0010 DtmIn-ID:INHYD AREAha-OPEARcm-TpaeDate h:hm:m-Rvm-R-C--DWFMS
00396 CALIB NASHYD 1.0 01:M3 39.07 .070 No date 3117 2.27 071 .000
00397 [CN= 48.0; Nm= 3.00; Tpe= 1.68]
00398 *****
00399 M4
00400 *****
00401 R0002:CO0011 DtmIn-ID:INHYD AREAha-OPEARcm-TpaeDate h:hm:m-Rvm-R-C--DWFMS
00402 CALIB NASHYD 1.0 01:M4 50.96 .105 No date 3132 2.93 492 .000
00403 [CN= 59.0; Nm= 3.00; Tpe= 1.85]
00404 *****
00405 M5
00406 *****
00407 R0002:CO0012 DtmIn-ID:INHYD AREAha-OPEARcm-TpaeDate h:hm:m-Rvm-R-C--DWFMS
00408 CALIB NASHYD 1.0 01:M5 56.26 .122 No date 3140 3.26 102 .000
00409 [CN= 56.0; Nm= 3.00; Tpe= 2.09]
00410 *****
00411 M6
00412 *****
00413 R0002:CO0013 DtmIn-ID:INHYD AREAha-OPEARcm-TpaeDate h:hm:m-Rvm-R-C--DWFMS
00414 CALIB NASHYD 1.0 01:M6 25.62 .077 No date 3125 4.04 127 .000
00415 [CN= 62.0; Nm= 3.00; Tpe= 1.83]
00416 *****
00417 M7
00418 *****
00419 R0002:CO0014 DtmIn-ID:INHYD AREAha-OPEARcm-TpaeDate h:hm:m-Rvm-R-C--DWFMS
00420 CALIB NASHYD 1.0 01:M7 47.26 .193 No date 3159 6.61 207 .000
00421 [CN= 75.0; Nm= 3.00; Tpe= 1.29]
00422 *****
00423 M8
00424 *****
00425 R0002:CO0015 DtmIn-ID:INHYD AREAha-OPEARcm-TpaeDate h:hm:m-Rvm-R-C--DWFMS
00426 CALIB NASHYD 1.0 01:M8 14.26 .111 No date 2132 7.48 235 .000
00427 [CN= 78.0; Nm= 3.00; Tpe= 1.33]
00428 *****
00429 M9
00430 *****
00431 R0002:CO0016 DtmIn-ID:INHYD AREAha-OPEARcm-TpaeDate h:hm:m-Rvm-R-C--DWFMS
00432 CALIB NASHYD 1.0 01:M9 24.24 .154 No date 2133 6.10 192 .000
00433 [CN= 79.0; Nm= 3.00; Tpe= 1.13]
00434 *****
00435 SITE
00436 *****
00437 R0002:CO0017 DtmIn-ID:INHYD AREAha-OPEARcm-TpaeDate h:hm:m-Rvm-R-C--DWFMS
00438 CALIB STANHYD 1.0 01:SITE 60.48 6.227 No date 1193 20.88 655 .000
00439 [XIMP= 65;TIMP= 65]
00440 Horton parameters: Fw= 76.20;Fw= 13.20;DCA+4.14; Fw= 00]
00441 [IMP= 4.67;SLP#2.00;LQF= 40;IMF= 250;SFCP= 0]
00442 [IMP= 6.48;SLP#2.00;LQF= 40;IMF= 250;SFCP= 0]
00443 *****
00444 T1
00445 *****
00446 R0002:CO0018 DtmIn-ID:INHYD AREAha-OPEARcm-TpaeDate h:hm:m-Rvm-R-C--DWFMS
00447 CALIB NASHYD 1.0 01:T1 79.25 .346 No date 3113 5.43 171 .000
00448 [CN= 70.0; Nm= 3.00; Tpe= 1.64]
00449 *****
00450 T2
00451 *****
00452 R0002:CO0019 DtmIn-ID:INHYD AREAha-OPEARcm-TpaeDate h:hm:m-Rvm-R-C--DWFMS
00453 CALIB NASHYD 1.0 01:T2 109.81 .390 No date 3153 5.87 184 .000
00454 [CN= 72.0; Nm= 3.00; Tpe= 2.34]
00455 *****
00456 T3
00457 *****
00458 R0002:CO0020 DtmIn-ID:INHYD AREAha-OPEARcm-TpaeDate h:hm:m-Rvm-R-C--DWFMS
00459 CALIB NASHYD 1.0 01:T3 12.05 .081 No date 2111 5.43 171 .000
00460 [CN= 70.0; Nm= 3.00; Tpe= .871]
00461 *****
00462 T4
00463 *****
00464 R0002:CO0021 DtmIn-ID:INHYD AREAha-OPEARcm-TpaeDate h:hm:m-Rvm-R-C--DWFMS
00465 CALIB NASHYD 1.0 01:T4 65.89 .295 No date 3149 5.87 184 .000
00466 [CN= 72.0; Nm= 3.00; Tpe= 1.76]
00467 *****
00468 T5
00469 *****
00470 R0002:CO0022 DtmIn-ID:INHYD AREAha-OPEARcm-TpaeDate h:hm:m-Rvm-R-C--DWFMS
00471 CALIB NASHYD 1.0 01:T5 171.81 .356 No date 4136 4.35 136 .000
00472 [CN= 78.0; Nm= 3.00; Tpe= 1.68]
00473 *****
00474 T6
00475 *****
00476 R0002:CO0023 DtmIn-ID:INHYD AREAha-OPEARcm-TpaeDate h:hm:m-Rvm-R-C--DWFMS
00477 CALIB NASHYD 1.0 01:T6 60.20 .212 No date 4130 7.17 229 .000
00478 [CN= 77.0; Nm= 3.00; Tpe= 2.89]
00479 *****
00480 T7
00481 *****
00482 R0002:CO0024 DtmIn-ID:INHYD AREAha-OPEARcm-TpaeDate h:hm:m-Rvm-R-C--DWFMS
00483 CALIB NASHYD 1.0 01:T7 68.50 .220 No date 4110 5.87 184 .000
00484 [CN= 72.0; Nm= 3.00; Tpe= 2.34]
00485 *****
00486 R0002:CO0025 DtmIn-ID:INHYD AREAha-OPEARcm-TpaeDate h:hm:m-Rvm-R-C--DWFMS
00487 ROUTE CHANNEL -> 1.0 02:R1 111.89 .316 No date 3118 3.63 114 .000
00488 [RDT= 1.00] out< 1.0 01:R1 111.89 .176 No date 4143 3.63 n/a .000
00489 [L/S/n= 2181./ .100/.035]
00490 *****
00491 R0002:CO0026 DtmIn-ID:INHYD AREAha-OPEARcm-TpaeDate h:hm:m-Rvm-R-C--DWFMS
00492 ADD HYD + 1.0 02:R1 111.89 .176 No date 4143 3.63 n/a .000
00493 + 1.0 02:R2 119.73 .165 No date 4140 2.93 n/a .000
00494 + 1.0 02:R3 39.07 .070 No date 3117 2.27 n/a .000
00495 SUM= 1.0 01:R2 270.69 .393 No date 4124 3.12 n/a .000
00496 R0002:CO0027 DtmIn-ID:INHYD AREAha-OPEARcm-TpaeDate h:hm:m-Rvm-R-C--DWFMS
00497 ROUTE CHANNEL -> 1.0 02:R2 270.69 .393 No date 4124 3.12 n/a .000
00498 [RDT= 1.00] out< 1.0 01:R2 270.69 .193 No date 4124 3.12 n/a .000
00499 [L/S/n= 471./ .221/.035]
00500 *****
00501 R0002:CO0028 DtmIn-ID:INHYD AREAha-OPEARcm-TpaeDate h:hm:m-Rvm-R-C--DWFMS
00502 ADD HYD + 1.0 02:R2 270.69 .393 No date 4124 3.12 n/a .000
00503 + 1.0 02:R4 50.96 .105 No date 3132 2.93 n/a .000
00504 SUM= 1.0 01:R3 321.65 .469 No date 4129 3.09 n/a .000
00505 R0002:CO0029 DtmIn-ID:INHYD AREAha-OPEARcm-TpaeDate h:hm:m-Rvm-R-C--DWFMS
00506 ROUTE CHANNEL -> 1.0 02:R3 321.65 .469 No date 4129 3.09 n/a .000
00507 [RDT= 1.00] out< 1.0 01:R3 321.65 .443 No date 5114 3.09 n/a .000
00508 [L/S/n= 734./ .100/.035]
00509 *****
00510 R0002:CO0030 DtmIn-ID:INHYD AREAha-OPEARcm-TpaeDate h:hm:m-Rvm-R-C--DWFMS
00511 ADD HYD + 1.0 02:R3 321.65 .433 No date 5114 3.09 n/a .000
00512 + 1.0 02:R5 56.26 .122 No date 3140 3.26 n/a .000
00513 SUM= 1.0 01:R4 377.91 .502 No date 4150 3.12 n/a .000
00514 R0002:CO0031 DtmIn-ID:INHYD AREAha-OPEARcm-TpaeDate h:hm:m-Rvm-R-C--DWFMS
00515 ROUTE CHANNEL -> 1.0 02:R4 377.91 .502 No date 5128 3.12 n/a .000
00516 [RDT= 1.00] out< 1.0 01:R5 377.91 .502 No date 5128 3.12 n/a .000
00517 [L/S/n= 161./ .143/.035]
00518 [Vmax= 301;Dmax= 2.22]
00519 *****
00520 R0002:CO0032 DtmIn-ID:INHYD AREAha-OPEARcm-TpaeDate h:hm:m-Rvm-R-C--DWFMS
00521 ADD HYD + 1.0 02:EXT2 7.62 .038 No date 2116 4.19 n/a .000
00522 + 1.0 02:EXT3 111.89 .316 No date 3119 3.10 n/a .000
00523 + 1.0 02:EXT4 1.64 .003 No date 1135 2.44 n/a .000
00524 + 1.0 02:EXT5 1.95 .010 No date 1136 3.26 n/a .000
00525 [CN= 60.0; Nm= 3.00; Tpe= 1.85]
00526 *****
00527 R0002:CO0033 DtmIn-ID:PNDRIN AREAha-OPEARcm-TpaeDate h:hm:m-Rvm-R-C--DWFMS
00528 ROUTE RESERVOIR -> 1.0 02:PNDRIN 148.71 6.233 No date 1193 10.30 n/a .000
00529 out< 1.0 02:PNDRIN 148.71 2.40 No date 3119 10.30 n/a .000
00530 overflow= 0.0 01:PNDRIN 0.00 0.00 No date 0.00 0.00 n/a .000
00531 [Mts=1222E+01 n3, TotDuvVol=0.000E+00 n3, N=OV= 0, TotDuvOV= 0 hrs]
00532 R0002:CO0034 DtmIn-ID:PNDRIN AREAha-OPEARcm-TpaeDate h:hm:m-Rvm-R-C--DWFMS
00533 ADD HYD + 1.0 02:PNDRIN 148.71 .240 No date 3119 10.30 n/a .000
00534 + 1.0 02:PNDRIN 148.71 .240 No date 0.00 0.00 n/a .000
00535 SUM= 1.0 01:PNDRINtotal 148.71 2.40 No date 3119 10.30 n/a .000
00536 R0002:CO0035 DtmIn-ID:INHYD AREAha-OPEARcm-TpaeDate h:hm:m-Rvm-R-C--DWFMS
00537 ADD HYD + 1.0 02:PNDRINtotal 148.71 .240 No date 3119 10.30 n/a .000
00538 SUM= 1.0 01:R1 526.62 .723 No date 5120 5.15 n/a .000
00539 R0002:CO0036 DtmIn-ID:INHYD AREAha-OPEARcm-TpaeDate h:hm:m-Rvm-R-C--DWFMS

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00441> ROUTE CHANNEL -> 1.0 02:R7 526.62 .723 No date 5120 5.15 n/a .000
00442 [RDT= 1.00] out< 1.0 02:R10 526.62 .711 No date 5138 5.15 n/a .000
00443 [L/S/n= 348./ .100/.035]
00444 [Vmax= 230;Dmax= 1.64]
00445 R0002:CO0037 DtmIn-ID:INHYD AREAha-OPEARcm-TpaeDate h:hm:m-Rvm-R-C--DWFMS
00446 ADD HYD + 1.0 02:R10 526.62 .711 No date 5138 5.15 n/a .000
00447 + 1.0 02:R16 25.62 .077 No date 3123 4.04 n/a .000
00448 + 1.0 02:R8 14.26 .111 No date 2132 7.48 n/a .000
00449 + 1.0 02:R12 56.50 .176 No date 5126 5.15 n/a .000
00450 R0002:CO0038 DtmIn-ID:INHYD AREAha-OPEARcm-TpaeDate h:hm:m-Rvm-R-C--DWFMS
00451> ROUTE CHANNEL -> 1.0 02:R12 56.50 .176 No date 5126 5.15 n/a .000
00452 [RDT= 1.00] out< 1.0 02:R11 56.50 .697 No date 6114 5.15 n/a .000
00453 [L/S/n= 1182./ .100/.035]
00454 [Vmax= 268;Dmax= 2.60]
00455 R0002:CO0039 DtmIn-ID:INHYD AREAha-OPEARcm-TpaeDate h:hm:m-Rvm-R-C--DWFMS
00456 ADD HYD + 1.0 02:R1 79.25 .346 No date 3113 5.43 n/a .000
00457 + 1.0 02:R7 171.81 .356 No date 4136 4.35 n/a .000
00458 + 1.0 02:R3 12.05 .081 No date 2111 5.43 n/a .000
00459 SUM= 1.0 01:R3 201.11 .765 No date 3124 5.67 n/a .000
00460 R0002:CO0040 DtmIn-ID:INHYD AREAha-OPEARcm-TpaeDate h:hm:m-Rvm-R-C--DWFMS
00461> ROUTE CHANNEL -> 1.0 02:R13 201.11 .765 No date 3124 5.67 n/a .000
00462 [RDT= 1.00] out< 1.0 02:R12 201.11 .740 No date 3143 5.67 n/a .000
00463 [L/S/n= 706./ .116/.035]
00464 [Vmax= 498;Dmax= 5.75]
00465 R0002:CO0041 DtmIn-ID:INHYD AREAha-OPEARcm-TpaeDate h:hm:m-Rvm-R-C--DWFMS
00466 ADD HYD + 1.0 02:R4 65.89 .295 No date 3120 5.87 n/a .000
00467 + 1.0 02:R5 171.81 .356 No date 4136 4.35 n/a .000
00468 + 1.0 02:R12 201.11 .740 No date 3143 5.67 n/a .000
00469 SUM= 1.0 01:R14 438.81 1.348 No date 4146 5.18 n/a .000
00470 R0002:CO0042 DtmIn-ID:INHYD AREAha-OPEARcm-TpaeDate h:hm:m-Rvm-R-C--DWFMS
00471> ROUTE CHANNEL -> 1.0 02:R14 438.81 1.348 No date 4146 5.18 n/a .000
00472 [RDT= 1.00] out< 1.0 02:R13 438.81 1.270 No date 4116 5.18 n/a .000
00473 [L/S/n= 1015./ .100/.035]
00474 [Vmax= 488;Dmax= 5.59]
00475 R0002:CO0043 DtmIn-ID:INHYD AREAha-OPEARcm-TpaeDate h:hm:m-Rvm-R-C--DWFMS
00476 ADD HYD + 1.0 02:R6 60.20 .212 No date 4130 7.17 n/a .000
00477 + 1.0 02:R7 109.81 .390 No date 3153 5.87 n/a .000
00478 + 1.0 02:R7 47.26 .193 No date 3150 6.61 n/a .000
00479 + 1.0 02:R11 56.50 .197 No date 6114 5.15 n/a .000
00480 SUM= 1.0 01:R13 438.81 2.70 No date 4116 5.18 n/a .000
00481 R0002:CO0044 DtmIn-ID:INHYD AREAha-OPEARcm-TpaeDate h:hm:m-Rvm-R-C--DWFMS
00482> ROUTE CHANNEL -> 1.0 02:R15 1181.27 2.382 No date 4137 5.97 n/a .000
00483 [RDT= 1.00] out< 1.0 02:R15 1181.27 2.382 No date 4137 5.97 n/a .000
00484 [L/S/n= 526./ .100/.035]
00485 [Vmax= 317;Dmax= 2.44]
00486 R0002:CO0045 DtmIn-ID:INHYD AREAha-OPEARcm-TpaeDate h:hm:m-Rvm-R-C--DWFMS
00487 ADD HYD + 1.0 02:R9 24.24 .154 No date 2133 6.10 n/a .000
00488 + 1.0 02:R14 1181.27 2.327 No date 4158 5.37 n/a .000
00489 SUM= 1.0 02:R14 1205.51 2.162 No date 4152 5.37 n/a .000
00490 *****
00491 #***** STORM *****
00492 *****
00493 *****
00494 *****
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00496 *****
00497 *****
00498 *****
00499 *****
00500 *****
00501 *****
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01441 # Project Number: [P2001(e01)]
01442 # Date : [2025 JULY 18]
01443 # Modeler : [JF and OS]
01444 # Company : JFSA Canada Inc.
01445 # License # : 254923
01446 #*****
01447 # Model developed to simulate runoff from subcatchments under pre development conditions
01448 #*****
01449 R0050C0002
01450 READ STORM
01451 Filename = STORM.001
01452 Comment = CHICAGO STORM 100 Year, 3 Hours
01453 [SDT=10.0;SDRM= 3.00;PPT= 64.8]
01454 # EXT1
01455 # EXT2
01456 # EXT3
01457 R0050C0003 AREA#-QFEAR#ms-TpeakDate_hh:mm--Rvmm-R.C.--DWfms
01458 CALIB NASHYD 1.0 01:EXT1 60.46 .552 No_date 3:15 11.89 .183 .000
01459 [CN= 31.0; N= 3.00; Tpe= 1.75]
01460 #*****
01461 # EXT2
01462 # EXT3
01463 R0050C0004 AREA#-QFEAR#ms-TpeakDate_hh:mm--Rvmm-R.C.--DWfms
01464 CALIB NASHYD 1.0 01:EXT2 7.62 .162 No_date 2:11 17.28 .267 .000
01465 [CN= 61.0; N= 3.00; Tpe= 1.75]
01466 #*****
01467 # EXT1
01468 # EXT2
01469 R0050C0005 AREA#-QFEAR#ms-TpeakDate_hh:mm--Rvmm-R.C.--DWfms
01470 CALIB NASHYD 1.0 01:EXT1 37.96 .492 No_date 3:07 15.28 .236 .000
01471 [CN= 59.0; N= 3.00; Tpe= 1.64]
01472 #*****
01473 # EXT4
01474 # EXT5
01475 R0050C0006 AREA#-QFEAR#ms-TpeakDate_hh:mm--Rvmm-R.C.--DWfms
01476 CALIB NASHYD 1.0 01:EXT4 .64 .014 No_date 1:32 10.78 .166 .000
01477 [CN= 48.0; N= 3.00; Tpe= 1.75]
01478 #*****
01479 # EXT5
01480 # EXT6
01481 R0050C0007 AREA#-QFEAR#ms-TpeakDate_hh:mm--Rvmm-R.C.--DWfms
01482 CALIB NASHYD 1.0 01:EXT5 1.55 .044 No_date 1:33 13.92 .219 .000
01483 [CN= 56.0; N= 3.00; Tpe= .44]
01484 # M1
01485 # M2
01486 # M3
01487 R0050C0008 AREA#-QFEAR#ms-TpeakDate_hh:mm--Rvmm-R.C.--DWfms
01488 CALIB NASHYD 1.0 01:M1 111.89 1.338 No_date 3:12 15.28 .236 .000
01489 [CN= 59.0; N= 3.00; Tpe= 1.71]
01490 #*****
01491 # M2
01492 # M3
01493 R0050C0009 AREA#-QFEAR#ms-TpeakDate_hh:mm--Rvmm-R.C.--DWfms
01494 CALIB NASHYD 1.0 01:M2 119.73 .713 No_date 4:35 12.67 .196 .000
01495 [CN= 51.0; N= 3.00; Tpe= 1.11]
01496 #*****
01497 # M3
01498 # M4
01499 R0050C0010 AREA#-QFEAR#ms-TpeakDate_hh:mm--Rvmm-R.C.--DWfms
01500 CALIB NASHYD 1.0 01:M3 39.07 .492 No_date 3:07 15.28 .236 .000
01501 [CN= 46.0; N= 3.00; Tpe= 1.68]
01502 #*****
01503 # M4
01504 # M5
01505 R0050C0011 AREA#-QFEAR#ms-TpeakDate_hh:mm--Rvmm-R.C.--DWfms
01506 CALIB NASHYD 1.0 01:M4 50.96 .456 No_date 3:27 12.67 .196 .000
01507 [CN= 58.0; N= 3.00; Tpe= 1.93]
01508 #*****
01509 # M5
01510 # M6
01511 R0050C0012 AREA#-QFEAR#ms-TpeakDate_hh:mm--Rvmm-R.C.--DWfms
01512 CALIB NASHYD 1.0 01:M5 56.26 .523 No_date 3:35 13.92 .219 .000
01513 [CN= 56.0; N= 3.00; Tpe= 2.09]
01514 #*****
01515 # M6
01516 #*****
01517 R0050C0013 AREA#-QFEAR#ms-TpeakDate_hh:mm--Rvmm-R.C.--DWfms
01518 CALIB NASHYD 1.0 01:M6 25.62 .319 No_date 3:19 16.76 .259 .000
01519 [CN= 62.0; N= 3.00; Tpe= 1.83]
01520 #*****
01521 # M7
01522 #*****
01523 R0050C0014 AREA#-QFEAR#ms-TpeakDate_hh:mm--Rvmm-R.C.--DWfms
01524 CALIB NASHYD 1.0 01:M7 47.26 .732 No_date 3:44 24.97 .385 .000
01525 [CN= 51.0; N= 3.00; Tpe= 2.93]
01526 #*****
01527 # M8
01528 #*****
01529 R0050C0015 AREA#-QFEAR#ms-TpeakDate_hh:mm--Rvmm-R.C.--DWfms
01530 CALIB NASHYD 1.0 01:M8 54.26 .423 No_date 3:25 21.44 .423 .000
01531 [CN= 78.0; N= 3.00; Tpe= 1.13]
01532 #*****
01533 # M9
01534 #*****
01535 R0050C0016 AREA#-QFEAR#ms-TpeakDate_hh:mm--Rvmm-R.C.--DWfms
01536 CALIB NASHYD 1.0 01:M9 24.24 .609 No_date 2:26 23.47 .362 .000
01537 [CN= 72.0; N= 3.00; Tpe= 1.23]
01538 #*****
01539 # SITE
01540 #*****
01541 R0050C0017 AREA#-QFEAR#ms-TpeakDate_hh:mm--Rvmm-R.C.--DWfms
01542 CALIB NASHYD 1.0 01:SITE 60.48 16.840 No_date 1:02 49.62 .766 .000
01543 [XIMP= 65;TIMP= 65]
01544 [ Horton parameters: P= 76.2;TP= 13.20;ICM= 144; K= .00]
01545 [ Percolation area: Iimp= 1.6;SIMP= 20;IDIMP= 40;IMP= 250;ICP= .0]
01546 [ Impervious area: Iimp= 1.57;SIMP= 20;IDIMP= 63;IMP= 0;ICP= .0]
01547 #*****
01548 # T1
01549 #*****
01550 R0050C0018 AREA#-QFEAR#ms-TpeakDate_hh:mm--Rvmm-R.C.--DWfms
01551 CALIB NASHYD 1.0 01:T1 79.25 1.373 No_date 3:05 21.40 .330 .000
01552 [CN= 77.0; N= 3.00; Tpe= 1.98]
01553 #*****
01554 # T2
01555 #*****
01556 R0050C0019 AREA#-QFEAR#ms-TpeakDate_hh:mm--Rvmm-R.C.--DWfms
01557 CALIB NASHYD 1.0 01:T2 109.81 1.520 No_date 3:47 22.76 .351 .000
01558 [CN= 72.0; N= 3.00; Tpe= 2.34]
01559 #*****
01560 # T3
01561 #*****
01562 R0050C0020 AREA#-QFEAR#ms-TpeakDate_hh:mm--Rvmm-R.C.--DWfms
01563 CALIB NASHYD 1.0 01:T3 12.05 .393 No_date 2:06 21.40 .330 .000
01564 [CN= 70.0; N= 3.00; Tpe= .87]
01565 #*****
01566 # T4
01567 #*****
01568 R0050C0021 AREA#-QFEAR#ms-TpeakDate_hh:mm--Rvmm-R.C.--DWfms
01569 CALIB NASHYD 1.0 01:T4 65.89 1.151 No_date 3:13 22.76 .351 .000
01570 [CN= 72.0; N= 3.00; Tpe= 1.76]
01571 #*****
01572 # T5
01573 #*****
01574 R0050C0022 AREA#-QFEAR#ms-TpeakDate_hh:mm--Rvmm-R.C.--DWfms
01575 CALIB NASHYD 1.0 01:T5 171.83 1.462 No_date 4:35 17.81 .276 .000
01576 [CN= 64.0; N= 3.00; Tpe= 3.07]
01577 #*****
01578 # T6
01579 #*****
01580 R0050C0023 AREA#-QFEAR#ms-TpeakDate_hh:mm--Rvmm-R.C.--DWfms
01581 CALIB NASHYD 1.0 01:T6 60.20 .786 No_date 4:24 26.59 .410 .000
01582 [CN= 77.0; N= 3.00; Tpe= 1.98]
01583 #*****
01584 # T7
01585 #*****
01586 R0050C0024 AREA#-QFEAR#ms-TpeakDate_hh:mm--Rvmm-R.C.--DWfms
01587 CALIB NASHYD 1.0 01:T7 68.50 .856 No_date 4:04 22.76 .351 .000
01588 [CN= 72.0; N= 3.00; Tpe= 2.63]
01589 #*****
01590 R0050C0025 AREA#-QFEAR#ms-TpeakDate_hh:mm--Rvmm-R.C.--DWfms
01591 ROUTE CHANNEL > 1.0 02:M1 111.89 1.338 No_date 3:12 15.28 n/a .000
01592 [RPT= 1.00] out< 1.0 01:M1 111.89 .857 No_date 4:30 15.28 n/a .000
01593 [L/S/n= 2381./ .105/0.93]
01594 [Vmax= .336;Dmax= .498]
01595 R0050C0026 AREA#-QFEAR#ms-TpeakDate_hh:mm--Rvmm-R.C.--DWfms
01596 ADD HYD 1.0 02:M1 111.89 .857 No_date 4:30 15.28 n/a .000
01597 + 1.0 02:M2 37.97 .713 No_date 3:27 12.67 n/a .000
01598 + 1.0 02:M3 39.07 .312 No_date 3:11 10.09 n/a .000
01599 SUM= 1.0 02:22 270.69 1.801 No_date 4:16 13.38 n/a .000
01600 R0050C0027 AREA#-QFEAR#ms-TpeakDate_hh:mm--Rvmm-R.C.--DWfms
01601 ROUTE CHANNEL > 1.0 02:22 270.69 1.801 No_date 4:16 13.38 n/a .000
01602 [RPT= 1.00] out< 1.0 02:21 270.69 1.788 No_date 4:28 13.38 n/a .000
01603 [L/S/n= 471./ .221/0.93]
01604 [Vmax= .525;Dmax= .422]
01605 R0050C0028 AREA#-QFEAR#ms-TpeakDate_hh:mm--Rvmm-R.C.--DWfms
01606 ADD HYD 1.0 02:2 270.69 1.788 No_date 4:28 13.38 n/a .000
01607 + 1.0 02:M1 37.97 .713 No_date 3:27 12.67 n/a .000
01608 + 1.0 01:M3 321.65 2.183 No_date 4:13 13.27 n/a .000
01609 R0050C0029 AREA#-QFEAR#ms-TpeakDate_hh:mm--Rvmm-R.C.--DWfms
01610 ROUTE CHANNEL > 1.0 01:M3 321.65 2.095 No_date 4:43 13.27 n/a .000
01611 [RPT= 1.00] out< 1.0 01:M3 321.65 2.095 No_date 4:43 13.27 n/a .000
01612 [L/S/n= 734./ .105/0.93]
01613 [Vmax= .364;Dmax= .359]
01614 R0050C0030 AREA#-QFEAR#ms-TpeakDate_hh:mm--Rvmm-R.C.--DWfms
01615 ADD HYD 1.0 02:M5 321.65 2.095 No_date 4:43 13.27 n/a .000
01616 + 1.0 02:M5 56.26 .523 No_date 3:35 13.92 n/a .000
01617 SUM= 1.0 02:22 377.91 2.538 No_date 4:29 13.26 n/a .000
01618 R0050C0031 AREA#-QFEAR#ms-TpeakDate_hh:mm--Rvmm-R.C.--DWfms
01619 ROUTE CHANNEL > 1.0 02:24 377.91 2.538 No_date 4:29 13.36 n/a .000
01620 [RPT= 1.00] out< 1.0 01:M5 377.91 2.498 No_date 4:46 13.36 n/a .000

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018001 [CN= 75.0; N= 3.00; Tpe= 2.29]
018002 *****
018003 # M8
018004 #
018005 ROUTE CHANNEL -> 1.0 01:188 14.26 .498 No_date 2124 32.37 .452 .000
018006 [CN= 78.0; N= 3.00; Tpe= 1.13]
018007 *****
018008 # M9
018009 #
018010 ROUTE CHANNEL -> 1.0 01:188 24.24 .725 No_date 2125 27.99 .389 .000
018011 #
018012 CALIB NASHVD 1.0 01:188 79.25 1.639 No_date 3105 25.52 .356 .000
018013 [CN= 79.0; N= 3.00; Tpe= 1.13]
018014 *****
018015 # SITE
018016 #
018017 ROUTE CHANNEL -> 1.0 01:171 65.89 1.371 No_date 3112 27.07 .378 .000
018018 CALIB STANDHYD 1.0 01:171 60.48 1.937 No_date 1102 55.88 .780 .000
018019 [XMP= 65; TMP= 65]
018020 [Horton parameters: Fm= 76.20; Fm= 13.20; DCX= 4.14; F= 0]
018021 [Previous area: TAlmp= 1.57; SLF#2= 0.01; LG= 635; MH1= 013; SCL= 0]
018022 [Impervious area: TAlmp= 1.57; SLF#2= 0.01; LG= 635; MH1= 013; SCL= 0]
018023 # T1
018024 #
018025 ROUTE CHANNEL -> 1.0 01:171 79.25 1.639 No_date 3105 25.52 .356 .000
018026 #
018027 CALIB NASHVD 1.0 01:171 79.25 1.639 No_date 3105 25.52 .356 .000
018028 [CN= 70.0; N= 3.00; Tpe= 1.64]
018029 *****
018030 # T2
018031 #
018032 ROUTE CHANNEL -> 1.0 01:172 109.81 1.809 No_date 3147 27.07 .378 .000
018033 CALIB NASHVD 1.0 01:172 109.81 1.809 No_date 3147 27.07 .378 .000
018034 [CN= 72.0; N= 3.00; Tpe= 1.34]
018035 *****
018036 # T3
018037 #
018038 ROUTE CHANNEL -> 1.0 01:173 12.05 .399 No_date 2105 25.52 .356 .000
018039 #
018040 CALIB NASHVD 1.0 01:173 12.05 .399 No_date 2105 25.52 .356 .000
018041 [CN= 70.0; N= 3.00; Tpe= .871]
018042 *****
018043 # T4
018044 #
018045 ROUTE CHANNEL -> 1.0 01:173 79.25 1.639 No_date 3105 25.52 .356 .000
018046 #
018047 CALIB NASHVD 1.0 01:173 79.25 1.639 No_date 3105 25.52 .356 .000
018048 [CN= 72.0; N= 3.00; Tpe= 1.76]
018049 *****
018050 # T5
018051 #
018052 ROUTE CHANNEL -> 1.0 01:175 171.81 1.755 No_date 4131 21.39 .298 .000
018053 CALIB NASHVD 1.0 01:175 171.81 1.755 No_date 4131 21.39 .298 .000
018054 [CN= 64.0; N= 3.00; Tpe= .871]
018055 *****
018056 # T6
018057 #
018058 ROUTE CHANNEL -> 1.0 01:176 60.20 .929 No_date 4123 31.42 .438 .000
018059 CALIB NASHVD 1.0 01:176 60.20 .929 No_date 4123 31.42 .438 .000
018060 [CN= 77.0; N= 3.00; Tpe= 2.98]
018061 *****
018062 # T7
018063 #
018064 ROUTE CHANNEL -> 1.0 01:177 68.50 1.019 No_date 4104 27.07 .378 .000
018065 CALIB NASHVD 1.0 01:177 68.50 1.019 No_date 4104 27.07 .378 .000
018066 [CN= 72.0; N= 3.00; Tpe= 2.63]
018067 *****
018068 # T8
018069 #
018070 ROUTE CHANNEL -> 1.0 01:181 111.89 1.048 No_date 4127 18.43 n/a .000
018071 [L/S= 2181; / 105; /035]
018072 [Vmax= .392; Dmax= .39]
018073 ADD HYD + 1.0 02:181 119.73 .865 No_date 4135 15.36 n/a .000
018074 #
018075 #
018076 ROUTE CHANNEL -> 1.0 02:181 111.89 1.048 No_date 4127 18.43 n/a .000
018077 #
018078 #
018079 ROUTE CHANNEL -> 1.0 01:182 270.69 2.180 No_date 4127 16.19 n/a .000
018080 [L/S= 471; / 221; /035]
018081 [Vmax= .392; Dmax= .39]
018082 #
018083 #
018084 ROUTE CHANNEL -> 1.0 02:182 321.65 2.659 No_date 4113 16.05 n/a .000
018085 [L/S= 471; / 221; /035]
018086 [Vmax= .392; Dmax= .39]
018087 #
018088 #
018089 ROUTE CHANNEL -> 1.0 02:182 321.65 2.659 No_date 4113 16.05 n/a .000
018090 [L/S= 471; / 221; /035]
018091 [Vmax= .392; Dmax= .39]
018092 #
018093 #
018094 ROUTE CHANNEL -> 1.0 02:183 321.65 2.659 No_date 4113 16.05 n/a .000
018095 [L/S= 471; / 221; /035]
018096 [Vmax= .392; Dmax= .39]
018097 #
018098 #
018099 ROUTE CHANNEL -> 1.0 02:183 321.65 2.659 No_date 4113 16.05 n/a .000
019000 *****
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02161> ROUTE CHANNEL -> DTMIn-ID:RHVD-AREAa-OPEARcns-TPeakDate hh:mm-RVwm-R-C-DWfms
02162> (RPT= 1.00) out< -- 1.0 01:R3 321.65 .748 No_date 16:06 7.49 n/a .000
02163> (L/S/n= 734 / 100 / 035)
02164> (Vmax= 211;Dmax= 118)


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025121 *      1.0 02:14    1181.27    7.031 No_date 15:44  19.25 n/a   .000
025122 S00001     1200.51    7.157 No_date 15:40  19.23 n/a   .000
025230 *****
025240 # STORMS
025250 *****
025260 ** END OF RUN : 109
025270 *****
025280 *****
025290 *****
025300 *****
025310 *****
025320 *****
025330 *****
025340 RUN#COMMAND#
025350 *****
025360 START
025370 (ZERO = .00 hrs on 0)
025380 (MSTOUT= 2 (1=imperial, 2=metric output))
025390 (MSTFORM= 1)
025400 (MNUM= 11)
025410 *****
025420 # SWHYMO / INPUT DATA FILE
025430 *****
025440 # Project Name : [Tamarack Richmond]
025450 # Project Number: [P2001601]
025460 # Date : [2025 JULY 18]
025470 # Modeler : [JF and OS]
025480 # Company : [JFSA Canada Inc.]
025490 # License # : 2549237
025500 *****
025510 # Model developed to simulate runoff from subcatchments under pre development conditions
025520 *****
025530 R0110:C00002-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
025540 READ STORM#
025550 File name = STORM_001
025560 Comment = 10 years SOC Type 2 Storm 24 Hours step 10 min, City of Ottawa
025570 (STF=10.0)
025580 *****
025590 # EXT1
025600 R0110:C00003-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
025610 CALIB NASHYD 1.0 01:EXT1 60.46 .468 No_date 13:57 15.48 .298 .000
025620 [CNF 31.0; Nn 3.00; Tpm 1.75]
025630 *****
025640 # EXT2
025650 R0110:C00004-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
025660 CALIB NASHYD 1.0 01:EXT2 7.62 .140 No_date 12:56 22.19 .298 .000
025670 [CNF 61.0; Nn 3.00; Tpm .92]
025680 *****
025690 # EXT3
025700 R0110:C00005-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
025710 CALIB NASHYD 1.0 01:EXT3 17.96 .188 No_date 13:48 19.72 .265 .000
025720 [CNF 52.0; Nn 3.00; Tpm 1.64]
025730 *****
025740 # EXT4
025750 R0110:C00006-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
025760 CALIB NASHYD 1.0 01:EXT4 50.96 .388 No_date 14:13 16.46 .221 .000
025770 [CNF 48.0; Nn 3.00; Tpm .43]
025780 *****
025790 # EXT5
025800 R0110:C00007-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
025810 CALIB NASHYD 1.0 01:EXT5 1.55 .039 No_date 12:22 18.03 .243 .000
025820 [CNF 58.0; Nn 3.00; Tpm .37]
025830 *****
025840 # M1
025850 R0110:C00008-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
025860 CALIB NASHYD 1.0 01:EXT5 111.89 1.138 No_date 13:53 19.72 .265 .000
025870 [CNF 59.0; Nn 3.00; Tpm 1.71]
025880 *****
025890 # M2
025900 R0110:C00009-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
025910 CALIB NASHYD 1.0 01:M2 119.73 .638 No_date 15:38 16.46 .221 .000
025920 [CNF 31.0; Nn 3.00; Tpm 1.12]
025930 *****
025940 # M3
025950 R0110:C00010-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
025960 CALIB NASHYD 1.0 01:M3 39.07 .264 No_date 13:52 13.20 .178 .000
025970 [CNF 46.0; Nn 3.00; Tpm 1.68]
025980 *****
025990 # M4
026000 R0110:C00011-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
026010 CALIB NASHYD 1.0 01:M4 47.26 .633 No_date 14:31 31.46 .423 .000
026020 [CNF 75.0; Nn 3.00; Tpm 2.29]
026030 *****
026040 # M5
026050 R0110:C00012-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
026060 CALIB NASHYD 1.0 01:M5 56.26 .447 No_date 14:21 18.03 .243 .000
026070 [CNF 58.0; Nn 3.00; Tpm 1.29]
026080 *****
026090 # M6
026100 R0110:C00013-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
026110 CALIB NASHYD 1.0 01:M6 24.24 .522 No_date 13:10 29.68 .389 .000
026120 [CNF 53.0; Nn 3.00; Tpm 1.95]
026130 *****
026140 # M7
026150 R0110:C00014-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
026160 CALIB NASHYD 1.0 01:M7 60.29 .100 No_date 15:29 19.72 .265 .000
026170 [CNF 53.0; Nn 3.00; Tpm 1.95]
026180 *****
026190 # M8
026200 R0110:C00015-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
026210 CALIB NASHYD 1.0 01:M8 14.26 .361 No_date 13:09 34.36 .462 .000
026220 [CNF 70.0; Nn 3.00; Tpm 1.33]
026230 *****
026240 # M9
026250 R0110:C00016-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
026260 CALIB NASHYD 1.0 01:M9 68.50 .432 No_date 12:02 53.87 .724 .000
026270 (XHYM=16MP;.65)
026280 (Horton parameters: Pw = 76.20; Pw = 13.20; DCA=4.14; Pw = .00)
026290 (Perivious area: Jaxp= 4.67; STP=2.0; LDP= 4.0; MPM= 250; SPCF= .0)
026300 (Imperivious area: Jaxp= 1.57; STP=2.0; LDP= 6.35; MPM= 0.1; SPCF= .0)
026310 *****
026320 # M10
026330 R0110:C00017-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
026340 CALIB NASHYD 1.0 01:M10 11.89 .199 No_date 13:52 26.13 .301 .000
026350 [CNF 64.0; Nn 3.00; Tpm 1.07]
026360 *****
026370 # M11
026380 R0110:C00018-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
026390 CALIB NASHYD 1.0 01:M11 60.29 .188 No_date 13:48 19.72 .265 .000
026400 [CNF 70.0; Nn 3.00; Tpm 1.64]
026410 *****
026420 # M12
026430 R0110:C00019-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
026440 CALIB NASHYD 1.0 01:M12 60.29 .188 No_date 13:48 19.72 .265 .000
026450 [CNF 70.0; Nn 3.00; Tpm 1.64]
026460 *****
026470 # M13
026480 R0110:C00020-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
026490 CALIB NASHYD 1.0 01:M13 12.05 .287 No_date 12:52 27.20 .366 .000
026500 [CNF 70.0; Nn 3.00; Tpm .87]
026510 *****
026520 # M14
026530 R0110:C00021-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
026540 CALIB NASHYD 1.0 01:M14 65.89 .983 No_date 13:55 28.82 .388 .000
026550 [CNF 72.0; Nn 3.00; Tpm 1.76]
026560 *****
026570 # M15
026580 R0110:C00022-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
026590 CALIB NASHYD 1.0 01:M15 171.81 1.305 No_date 15:31 22.84 .307 .000
026600 [CNF 64.0; Nn 3.00; Tpm 1.07]
026610 *****
026620 # M16
026630 R0110:C00023-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
026640 CALIB NASHYD 1.0 01:M16 60.29 .188 No_date 13:48 19.72 .265 .000
026650 [CNF 70.0; Nn 3.00; Tpm 1.98]
026660 *****
026670 # M17
026680 R0110:C00024-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
026690 CALIB NASHYD 1.0 01:M17 68.50 .750 No_date 14:56 28.82 .388 .000
026700 [CNF 72.0; Nn 3.00; Tpm 1.84]
026710 *****
026720 # M18
026730 R0110:C00025-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
026740 CALIB NASHYD 1.0 01:M18 119.73 .100 No_date 15:29 19.72 .265 .000
026750 (RDT= 1.0) out= 1.0 01:R1 111.89 .763 No_date 15:32 19.72 n/a .000
026760 (L/S/Fn= 734. / .100 / .035)
026770 (Vmax= 325; Dmax= .470)
026780 R0110:C00026-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
026790 ADD HYD 1.0 02:R1 111.89 .763 No_date 15:32 19.72 n/a .000
027000 *****
027010 *****
027020 *****
027030 *****
027040 R0110:C00027-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
027050 ROUTE CHANNEL -> 1.0 02:R2 270.69 1.590 No_date 15:17 17.34 n/a .000
027060 (RDT= 1.0) out= 1.0 01:R2 270.69 1.583 No_date 15:28 17.34 n/a .000
027070 (L/S/Fn= 641. / .221 / .035)
027080 (Vmax= 505; Dmax= .400)
027090 R0110:C00028-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
027100 ADD HYD 1.0 02:R2 270.69 1.583 No_date 15:28 17.34 n/a .000
027110 *****
027120 *****
027130 R0110:C00029-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
027140 ROUTE CHANNEL -> 1.0 02:R3 321.65 1.916 No_date 15:08 17.20 n/a .000
027150 (RDT= 1.0) out= 1.0 01:R3 321.65 1.916 No_date 15:42 17.20 n/a .000
027160 (L/S/Fn= 734. / .100 / .035)
027170 (Vmax= 505; Dmax= .339)
027180 R0110:C00030-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
027190 ADD HYD 1.0 02:R3 321.65 1.863 No_date 15:42 17.20 n/a .000
027200 *****
027210 *****
027220 R0110:C00031-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
027230 ROUTE CHANNEL -> 1.0 02:R4 377.91 2.246 No_date 15:23 17.32 n/a .000
027240 (RDT= 1.0) out= 1.0 01:R4 377.91 2.246 No_date 15:25 17.32 n/a .000
027250 (L/S/Fn= 641. / 145 / .035)
027260 (Vmax= 490; Dmax= .437)
027270 R0110:C00032-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
027280 ADD HYD 1.0 02:EXT1 60.46 .468 No_date 13:57 15.48 n/a .000
027290 *****
027300 *****
027310 *****
027320 *****
027330 *****
027340 R0110:C00033-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
027350 ROUTE RESERVOIR -> 1.0 02:F0MDD 148.71 1.135 No_date 13:43 31.97 n/a .000
027360 (RDT= 1.0) out= 1.0 01:F0MDD 148.71 1.135 No_date 13:43 31.97 n/a .000
027370 *****
027380 *****
027390 (MSTOUT=2;STPE=M1; M1; ToCV=VdL= .0000E+00; M1; N=CV= 0; ToCV=0V=V= 0 hrs)
027400 R0110:C00034-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
027410 ADD HYD 1.0 02:F0MDD 148.71 1.135 No_date 13:43 31.97 n/a .000
027420 *****
027430 *****
027440 R0110:C00035-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
027450 ADD HYD 1.0 02:F0MDD 148.71 1.135 No_date 13:43 31.97 n/a .000
027460 *****
027470 *****
027480 R0110:C00036-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
027490 ROUTE CHANNEL -> 1.0 02:R7 526.62 3.205 No_date 15:28 21.46 n/a .000
027500 (RDT= 1.0) out= 1.0 01:R7 526.62 3.186 No_date 15:42 21.46 n/a .000
027510 (L/S/Fn= 349. / .100 / .035)
027520 (Vmax= 431; Dmax= .383)
027530 R0110:C00037-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
027540 ADD HYD 1.0 02:R7 526.62 3.186 No_date 15:42 21.46 n/a .000
027550 *****
027560 *****
027570 *****
027580 R0110:C00038-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
027590 ROUTE CHANNEL -> 1.0 02:R7 566.50 3.507 No_date 15:27 21.79 n/a .000
027600 (RDT= 1.0) out= 1.0 01:R7 566.50 3.507 No_date 15:27 21.79 n/a .000
027610 (L/S/Fn= 182. / .100 / .035)
027620 (Vmax= 401; Dmax= .312)
027630 R0110:C00039-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
027640 ADD HYD 1.0 02:R7 526.62 3.186 No_date 15:42 21.46 n/a .000
027650 *****
027660 *****
027670 *****
027680 R0110:C00040-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
027690 ROUTE CHANNEL -> 1.0 02:R7 526.62 3.186 No_date 15:42 21.46 n/a .000
027700 (RDT= 1.0) out= 1.0 01:R7 526.62 3.186 No_date 15:42 21.46 n/a .000
027710 (L/S/Fn= 706. / .100 / .035)
027720 (Vmax= 401; Dmax= .312)
027730 R0110:C00041-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
027740 ADD HYD 1.0 02:R7 526.62 3.186 No_date 15:42 21.46 n/a .000
027750 *****
027760 *****
027770 *****
027780 R0110:C00042-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
027790 ROUTE CHANNEL -> 1.0 02:R7 438.81 4.632 No_date 14:23 26.14 n/a .000
027800 (RDT= 1.0) out= 1.0 01:R7 438.81 4.632 No_date 16:00 26.14 n/a .000
027810 (L/S/Fn= 1015. / .100 / .035)
027820 (Vmax= 411; Dmax= .383)
027830 R0110:C00043-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
027840 ADD HYD 1.0 02:R7 60.29 .700 No_date 15:20 33.86 n/a .000
027850 *****
027860 *****
027870 *****
027880 *****
027890 *****
027900 R0110:C00044-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
027910 ROUTE CHANNEL -> 1.0 02:R7 1181.27 9.377 No_date 15:35 24.79 n/a .000
027920 (RDT= 1.0) out= 1.0 01:R7 1181.27 9.306 No_date 15:42 24.79 n/a .000
027930 (L/S/Fn= 556. / .100 / .035)
027940 (Vmax= 534; Dmax= .519)
027950 R0110:C00045-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
027960 ADD HYD 1.0 02:R9 24.24 .522 No_date 13:10 29.68 n/a .000
027970 *****
027980 *****
027990 *****
028000 *****
028010 *****
028020 *****
028030 *****
028040 *****
028050 *****
028060 *****
028070 *****
028080 *****
028090 *****
028100 RUN#COMMAND#
028110 R0125:C00001-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
028120 START
028130 (ZERO = .00 hrs on 0)
028140 (MSTOUT= 1)
028150 (MSTFORM= 1)
028160 (MNUM= 0125)
028170 *****
028180 # SWHYMO / INPUT DATA FILE
028190 *****
028200 # Project Name : [Tamarack Richmond]
028210 # Project Number: [P2001601]
028220 # Date : [2025 JULY 18]
028230 # Modeler : [JF and OS]
028240 # Company : [JFSA Canada Inc.]
028250 # License # : 2549237
028260 *****
028270 # Model developed to simulate runoff from subcatchments under pre development conditions
028280 *****
028290 R0125:C00002-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
028300 READ STORM#
028310 File name = STORM_001
028320 Comment = 10 years SOC Type 2 Storm 24 Hours step 10 min, City of Ottawa
028330 (STF=10.0;SDUR= 24.00;PDT= 86.89)
028340 *****
028350 # EXT1
028360 R0125:C00003-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
028370 CALIB NASHYD 1.0 01:EXT1 60.46 .631 No_date 13:56 20.72 .238 .000
028380 [CNF 31.0; Nn 3.00; Tpm 1.75]
028390 *****
028400 # EXT2
028410 R0125:C00004-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
028420 CALIB NASHYD 1.0 01:EXT2 7.62 .185 No_date 12:55 29.21 .336 .000
028430 [CNF 63.0; Nn 3.00; Tpm .92]
028440 *****
028450 # EXT3
028460 R0125:C00005-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
028470 CALIB NASHYD 1.0 01:EXT3 17.96 .188 No_date 13:48 19.72 .265 .000
028480 [CNF 52.0; Nn 3.00; Tpm 1.64]
028490 *****
028500 # M1
028510 R0125:C00006-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
028520 CALIB NASHYD 1.0 01:M1 111.89 1.138 No_date 13:53 19.72 .265 .000
028530 [CNF 59.0; Nn 3.00; Tpm 1.71]
028540 *****
028550 # M2
028560 R0125:C00007-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
028570 CALIB NASHYD 1.0 01:M2 119.73 .631 No_date 15:38 16.46 .221 .000
028580 [CNF 31.0; Nn 3.00; Tpm 1.12]
028590 *****
028600 # M3
028610 R0125:C00008-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
028620 CALIB NASHYD 1.0 01:M3 39.07 .264 No_date 13:52 13.20 .178 .000
028630 [CNF 46.0; Nn 3.00; Tpm 1.68]
028640 *****
028650 # M4
028660 R0125:C00009-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
028670 CALIB NASHYD 1.0 01:M4 47.26 .633 No_date 14:31 31.46 .423 .000
028680 [CNF 75.0; Nn 3.00; Tpm 2.29]
028690 *****
028700 # M5
028710 R0125:C00010-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
028720 CALIB NASHYD 1.0 01:M5 56.26 .447 No_date 14:21 18.03 .243 .000
028730 [CNF 58.0; Nn 3.00; Tpm 1.29]
028740 *****
028750 # M6
028760 R0125:C00011-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
028770 CALIB NASHYD 1.0 01:M6 24.24 .522 No_date 13:10 29.68 .389 .000
028780 [CNF 53.0; Nn 3.00; Tpm 1.95]
028790 *****
028800 # M7
028810 R0125:C00012-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
028820 CALIB NASHYD 1.0 01:M7 60.29 .100 No_date 15:29 19.72 .265 .000
028830 [CNF 53.0; Nn 3.00; Tpm 1.95]
028840 *****
028850 # M8
028860 R0125:C00013-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
028870 CALIB NASHYD 1.0 01:M8 14.26 .361 No_date 13:09 34.36 .462 .000
028880 [CNF 70.0; Nn 3.00; Tpm 1.33]
028890 *****
028900 # M9
028910 R0125:C00014-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
028920 CALIB NASHYD 1.0 01:M9 68.50 .432 No_date 12:02 53.87 .724 .000
028930 (XHYM=16MP;.65)
028940 (Horton parameters: Pw = 76.20; Pw = 13.20; DCA=4.14; Pw = .00)
028950 (Perivious area: Jaxp= 4.67; STP=2.0; LDP= 4.0; MPM= 250; SPCF= .0)
028960 (Imperivious area: Jaxp= 1.57; STP=2.0; LDP= 6.35; MPM= 0.1; SPCF= .0)
028970 *****
028980 # M10
028990 R0125:C00015-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
029000 CALIB NASHYD 1.0 01:M10 11.89 .199 No_date 13:52 26.13 .301 .000
029010 [CNF 64.0; Nn 3.00; Tpm 1.07]
029020 *****
029030 # M11
029040 R0125:C00016-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
029050 CALIB NASHYD 1.0 01:M11 60.29 .188 No_date 13:48 19.72 .265 .000
029060 [CNF 70.0; Nn 3.00; Tpm 1.64]
029070 *****
029080 # M12
029090 R0125:C00017-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
029100 CALIB NASHYD 1.0 01:M12 60.29 .188 No_date 13:48 19.72 .265 .000
029110 (RDT= 1.0) out= 1.0 01:R1 111.89 .763 No_date 15:32 19.72 n/a .000
029120 (L/S/Fn= 706. / .100 / .035)
029130 (Vmax= 325; Dmax= .470)
029140 R0125:C00018-----DtmIn-ID:INHVD-----AREAhA-OPEARcmS-TPeakDate_hh:mm-----RvMm-R.C-----DMFms
029150 ADD HYD 1.0 02:R1 111.89 .763 No_date 15:32 19.72 n/a .000

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028811 [CN= 46.0: N= 3.00: Tpe= 1.68]
028812 *****
028813 # M4
028814 *****
028815 R0125:C00011 *****
028816 CALIB NASHYD 1.0 01184 50.96 522 No_date 14:10 21.98 253 .000
028817 [RDT= 1.00 out= 1.0 01184
028818 [L/S/n= 2381./ .105/.035]
028819 # M5
028820 *****
028821 R0125:C00012 *****
028822 CALIB NASHYD 1.0 01178 56.26 599 No_date 14:20 23.99 276 .000
028823 [CN= 56.0: N= 3.00: Tpe= 2.09]
028824 # M6
028825 *****
028826 CALIB NASHYD 1.0 01186 25.62 361 No_date 14:01 28.41 327 .000
028827 [CN= 62.0: N= 3.00: Tpe= 1.83]
028828 *****
028829 R0125:C00014 *****
028830 CALIB NASHYD 1.0 01187 47.26 821 No_date 14:30 40.50 466 .000
028831 [CN= 75.0: N= 3.00: Tpe= 2.31]
028832 *****
028833 # M8
028834 *****
028835 R0125:C00015 *****
028836 CALIB NASHYD 1.0 01175 54.26 684 No_date 13:08 43.93 436 .000
028837 [CN= 78.0: N= 3.00: Tpe= 1.13]
028838 *****
028839 # M9
028840 *****
028841 R0125:C00016 *****
028842 CALIB NASHYD 1.0 01189 24.24 680 No_date 13:09 38.37 442 .000
028843 [CN= 73.0: N= 3.00: Tpe= 1.13]
028844 # M10
028845 *****
028846 R0125:C00017 *****
028847 CALIB NASHYD 1.0 01187 60.48 12736 No_date 12:01 64.00 737 .000
028848 [X/MF= 65;T/MP= 65]
028849 [X/MF= 65;T/MP= 65]
028850 [X/MF= 65;T/MP= 65]
028851 [X/MF= 65;T/MP= 65]
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028961 [X/MF= 65;T/MP= 65]
028962 [X/MF= 65;T/MP= 65]
028963 [X/MF= 65;T/MP= 65]
028964 [X/MF= 65;T/MP= 65]
028965 [X/MF= 65;T/MP= 65]
028966 [X/MF= 65;T/MP= 65]
028967 [X/MF= 65;T/MP= 65]
028968 [X/MF= 65;T/MP= 65]
028969 [X/MF= 65;T/MP= 65]
028970 [X/MF= 65;T/MP= 65]
028971 [X/MF= 65;T/MP= 65]
028972 [X/MF= 65;T/MP= 65]
028973 [X/MF= 65;T/MP= 65]
028974 [X/MF= 65;T/MP= 65]
028975 [X/MF= 65;T/MP= 65]
028976 [X/MF= 65;T/MP= 65]
028977 [X/MF= 65;T/MP= 65]
028978 [X/MF= 65;T/MP= 65]
028979 [X/MF= 65;T/MP= 65]
028980 [X/MF= 65;T/MP= 65]
028981 [X/MF= 65;T/MP= 65]
028982 [X/MF= 65;T/MP= 65]
028983 [X/MF= 65;T/MP= 65]
028984 [X/MF= 65;T/MP= 65]
028985 [X/MF= 65;T/MP= 65]
028986 [X/MF= 65;T/MP= 65]
028987 [X/MF= 65;T/MP= 65]
028988 [X/MF= 65;T/MP= 65]
028989 [X/MF= 65;T/MP= 65]
028990 [X/MF= 65;T/MP= 65]
028991 [X/MF= 65;T/MP= 65]
028992 [X/MF= 65;T/MP= 65]
028993 [X/MF= 65;T/MP= 65]
028994 [X/MF= 65;T/MP= 65]
028995 [X/MF= 65;T/MP= 65]
028996 [X/MF= 65;T/MP= 65]
028997 [X/MF= 65;T/MP= 65]
028998 [X/MF= 65;T/MP= 65]
028999 [X/MF= 65;T/MP= 65]
029000 [X/MF= 65;T/MP= 65]
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03241 *****
03242 RO150-C0002-----D-----AREAhA-OPeARcMcs-TPeakDate hHMm--RvM-R-C----DWfMcs
03243 CALIB NASHVD 1.0 01:27 68.50 1.165 M_date 14:54 44.26 459 000
03244 [L/S# = 3.00; Tpe = 1.63]
03245 *****
03246 RO150-C0002-----D-----AREAhA-OPeARcMcs-TPeakDate hHMm--RvM-R-C----DWfMcs
03247 ROUTE CHANNEL -> 1.0 01:R1 111.89 1.255 M_date 15:16 31.44 n/A 000
03248 [R/S# = 1.00; outc# = 1]
03249 [L/S# = 2181./105./035]
03250 *****
03251 RO150-C0002-----D-----AREAhA-OPeARcMcs-TPeakDate hHMm--RvM-R-C----DWfMcs
03252 ADD HYD + 1.0 02:R1 111.96 2.008 M_date 15:19 27.89 n/A 000
03253 + 1.0 02:R2 119.73 1.040 M_date 15:35 26.41 n/A 000
03254 + 1.0 02:R3 39.07 4.288 M_date 13:51 21.63 n/A 000
03255 SUMM 270.49 2.602 M_date 15:07 27.49 n/A 000
03256 RO150-C0002-----D-----AREAhA-OPeARcMcs-TPeakDate hHMm--RvM-R-C----DWfMcs
03257 ROUTE CHANNEL -> 1.0 01:R1 111.89 1.255 M_date 15:16 31.44 n/A 000
03258 [R/S# = 1.00; outc# = 1]
03259 [L/S# = 471./221./035]
03260 *****
03261 RO150-C0002-----D-----AREAhA-OPeARcMcs-TPeakDate hHMm--RvM-R-C----DWfMcs
03262 ADD HYD + 1.0 02:R1 111.96 2.008 M_date 15:19 27.89 n/A 000
03263 + 1.0 02:R2 50.96 6.834 M_date 14:10 26.61 n/A 000
03264 SUMM 321.65 3.163 M_date 15:04 27.68 n/A 000
03265 RO150-C0002-----D-----AREAhA-OPeARcMcs-TPeakDate hHMm--RvM-R-C----DWfMcs
03266 ROUTE CHANNEL -> 1.0 01:R3 321.65 3.163 M_date 15:04 27.68 n/A 000
03267 [R/S# = 734./100./035]
03268 [Vmax = .419;Dmax = .431]
03269 *****
03270 RO150-C0011-----D-----AREAhA-OPeARcMcs-TPeakDate hHMm--RvM-R-C----DWfMcs
03271 ADD HYD + 1.0 02:R1 321.65 3.089 M_date 15:30 27.68 n/A 000
03272 + 1.0 02:R2 56.26 7.726 M_date 14:19 28.35 n/A 000
03273 SUMM 377.91 3.728 M_date 15:16 27.87 n/A 000
03274 RO150-C0011-----D-----AREAhA-OPeARcMcs-TPeakDate hHMm--RvM-R-C----DWfMcs
03275 ROUTE CHANNEL -> 1.0 01:R1 377.91 3.693 M_date 15:32 27.87 n/A 000
03276 [R/S# = 641./145./035]
03277 [Vmax = .574;Dmax = .557]
03278 *****
03279 RO150-C0012-----D-----AREAhA-OPeARcMcs-TPeakDate hHMm--RvM-R-C----DWfMcs
03280 ADD HYD + 1.0 02:EXT2 7.62 2.223 M_date 12:55 35.01 n/A 000
03281 + 1.0 02:EXT3 17.96 1.588 M_date 12:44 31.22 n/A 000
03282 + 1.0 02:EXT4 1.64 6.021 M_date 12:21 22.99 n/A 000
03283 + 1.0 02:EXT5 1.55 6.063 M_date 12:21 28.95 n/A 000
03284 + 1.0 02:EXT6 14.407 M_date 12:01 31.92 n/A 000
03285 SUMM 148.71 14.468 M_date 12:01 45.45 n/A 000
03286 RO150-C0012-----D-----AREAhA-OPeARcMcs-TPeakDate hHMm--RvM-R-C----DWfMcs
03287 ROUTE RESERVOIR -> 1.0 01:FOUNdIn 148.71 14.468 M_date 12:01 45.45 n/A 000
03288 out ce 1.0 01:FOUNdIn 148.71 21.43 M_date 12:44 45.45 n/A 000
03289 overlow ce 1.0 01:FOUNdIn 0.00 0.000 M_date 0:00 0.00 n/A 000
03290 [MSetToSec#;2951E+03 n3; TotDvVVol;0000E+00 n3; NvDvce 0; TotDvDvVce 0; hcp#]
03291 *****
03292 RO150-C0034-----D-----AREAhA-OPeARcMcs-TPeakDate hHMm--RvM-R-C----DWfMcs
03293 ADD HYD + 1.0 02:FOUNdIn 148.71 21.43 M_date 12:44 45.45 n/A 000
03294 + 1.0 02:FOUNdov 0.00 0.000 M_date 0:00 0.00 n/A 000
03295 SUMM 148.71 21.43 M_date 12:44 45.45 n/A 000
03296 RO150-C0035-----D-----AREAhA-OPeARcMcs-TPeakDate hHMm--RvM-R-C----DWfMcs
03297 ADD HYD + 1.0 02:FOUNdIn 148.71 21.43 M_date 12:44 45.45 n/A 000
03298 SUMM 148.71 21.43 M_date 12:44 45.45 n/A 000
03299 *****
03300 RO150-C0036-----D-----AREAhA-OPeARcMcs-TPeakDate hHMm--RvM-R-C----DWfMcs
03301 ROUTE CHANNEL -> 1.0 01:R7 526.62 5.290 M_date 15:13 32.84 n/A 000
03302 [R/S# = 1.0; outc# = 1]
03303 [L/S# = 349./100./035]
03304 [Vmax = .479;Dmax = .515]
03305 *****
03306 RO150-C0019-----D-----AREAhA-OPeARcMcs-TPeakDate hHMm--RvM-R-C----DWfMcs
03307 ADD HYD + 1.0 02:R10 526.62 5.297 M_date 15:22 32.84 n/A 000
03308 + 1.0 02:R11 109.81 2.044 M_date 14:23 44.26 n/A 000
03309 + 1.0 02:R18 14.26 5.47 M_date 13:08 51.61 n/A 000
03310 SUMM 666.50 5.823 M_date 15:08 33.37 n/A 000
03311 RO150-C0019-----D-----AREAhA-OPeARcMcs-TPeakDate hHMm--RvM-R-C----DWfMcs
03312 ROUTE CHANNEL -> 1.0 01:R12 666.50 5.823 M_date 15:08 33.37 n/A 000
03313 [R/S# = 1.0; outc# = 1]
03314 [L/S# = 1182./100./035]
03315 [Vmax = .502;Dmax = .449]
03316 *****
03317 RO150-C0019-----D-----AREAhA-OPeARcMcs-TPeakDate hHMm--RvM-R-C----DWfMcs
03318 ADD HYD + 1.0 02:R1 79.25 1.832 M_date 13:45 42.04 n/A 000
03319 + 1.0 02:R2 118.27 2.604 M_date 14:24 44.26 n/A 000
03320 + 1.0 02:R3 12.05 4.49 M_date 12:51 42.04 n/A 000
03321 SUMM 201.11 4.009 M_date 13:58 43.25 n/A 000
03322 RO150-C0019-----D-----AREAhA-OPeARcMcs-TPeakDate hHMm--RvM-R-C----DWfMcs
03323 ROUTE CHANNEL -> 1.0 01:R13 201.11 4.009 M_date 13:58 43.25 n/A 000
03324 [R/S# = 706./116./035]
03325 [Vmax = .785;Dmax = 1.73]
03326 *****
03327 RO150-C0041-----D-----AREAhA-OPeARcMcs-TPeakDate hHMm--RvM-R-C----DWfMcs
03328 ADD HYD + 1.0 02:R4 65.89 1.527 M_date 13:53 44.26 n/A 000
03329 + 1.0 02:R11 171.81 2.044 M_date 14:24 44.26 n/A 000
03330 + 1.0 02:R12 201.11 3.952 M_date 14:10 43.25 n/A 000
03331 SUMM 438.81 7.256 M_date 14:20 40.54 n/A 000
03332 RO150-C0042-----D-----AREAhA-OPeARcMcs-TPeakDate hHMm--RvM-R-C----DWfMcs
03333 ROUTE CHANNEL -> 1.0 01:R14 438.81 7.256 M_date 14:20 40.54 n/A 000
03334 [R/S# = 1.0; outc# = 1]
03335 [L/S# = 1015./100./035]
03336 [Vmax = .413;Dmax = 1.50]
03337 *****
03338 RO150-C0043-----D-----AREAhA-OPeARcMcs-TPeakDate hHMm--RvM-R-C----DWfMcs
03339 ADD HYD + 1.0 02:R6 60.20 1.066 M_date 15:17 50.31 n/A 000
03340 + 1.0 02:R7 68.50 1.165 M_date 14:54 44.26 n/A 000
03341 + 1.0 02:R8 47.26 3.972 M_date 14:29 47.80 n/A 000
03342 + 1.0 02:R11 566.50 5.817 M_date 15:42 33.37 n/A 000
03343 + 1.0 02:R13 438.81 6.706 M_date 15:04 40.54 n/A 000
03344 SUMM 1181.27 15.350 M_date 15:15 38.10 n/A 000
03345 RO150-C0044-----D-----AREAhA-OPeARcMcs-TPeakDate hHMm--RvM-R-C----DWfMcs
03346 ROUTE CHANNEL -> 1.0 01:R15 1181.27 15.350 M_date 15:15 38.10 n/A 000
03347 [R/S# = 1.0; outc# = 1]
03348 [L/S# = 546./100./035]
03349 [Vmax = .637;Dmax = .484]
03350 *****
03351 RO150-C0044-----D-----AREAhA-OPeARcMcs-TPeakDate hHMm--RvM-R-C----DWfMcs
03352 ADD HYD + 1.0 02:R9 24.24 8.08 M_date 13:09 45.41 n/A 000
03353 + 1.0 02:R14 1181.27 15.251 M_date 15:23 38.10 n/A 000
03354 SUMM 1205.51 15.132 M_date 15:22 38.10 n/A 000
03355 *****
03356 # STORM#
03357 *****
03358 # *****
03359 # *****
03360 # *****
03361 # *****
03362 RUN COMMANDS
03363 RO199-C0001-----D-----AREAhA-OPeARcMcs-TPeakDate hHMm--RvM-R-C----DWfMcs
03364 START [E# = 0; hss on = 0]
03365 [MFOU# = 2 (Imperial, 2metric output)]
03366 [MFOR# = ]
03367 [MFOR# = ]
03368 [NUN = 199 ]
03369 *****
03370 # S#M#V#D / INPUT DATA FILE
03371 *****
03372 # Project Name : [Filename R\storm]
03373 # Project Number: [P001 (ed1)]
03374 # Date : [2025 JULY 18]
03375 # Modeler : [JFS and]
03376 # Company : [JPSA Canada Inc.]
03377 # License # : [25A292]
03378 # *****
03379 # Model developed to simulate runoff from subcatchments under pre development conditions
03380 *****
03381 RO199-C0002-----D-----AREAhA-OPeARcMcs-TPeakDate hHMm--RvM-R-C----DWfMcs
03382 HEAD STORM
03383 Filename = STORM.001
03384 Comment = 100 Years SCS Type 2 Storm 24 Hours step 10 min, City of Ottawa
03385 [E# = 11.0; storm# 24.0; storm# 104.71]
03386 *****
03387 # EXT#
03388 *****
03389 RO199-C0003-----D-----AREAhA-OPeARcMcs-TPeakDate hHMm--RvM-R-C----DWfMcs
03390 CALIB NASHVD 1.0 01:R1 60.46 8.925 M_date 13:55 30.10 n/A 000
03391 [CN# = 51.0; N# = 3.00; Tpe = 1.75]
03392 *****
03393 # EXT#
03394 *****
03395 RO199-C0004-----D-----AREAhA-OPeARcMcs-TPeakDate hHMm--RvM-R-C----DWfMcs
03396 CALIB NASHVD 1.0 01:EXT2 7.62 2.266 M_date 12:55 41.46 388 000
03397 [CN# = 63.0; N# = 3.00; Tpe = 1.44]
03398 *****
03399 # EXT#
04000 *****
04001 RO199-C0005-----D-----AREAhA-OPeARcMcs-TPeakDate hHMm--RvM-R-C----DWfMcs
04002 CALIB NASHVD 1.0 01:R1 17.96 3.63 M_date 13:46 37.39 350 000
04003 [CN# = 59.0; N# = 3.00; Tpe = 1.64]
04004 *****
04005 # EXT#
04006 *****
04007 RO199-C0006-----D-----AREAhA-OPeARcMcs-TPeakDate hHMm--RvM-R-C----DWfMcs
04008 CALIB NASHVD 1.0 01:EXT4 1.64 6.025 M_date 12:21 27.61 259 000
04009 [CN# = 48.0; N# = 3.00; Tpe = .43]
04010 *****
04011 # EXT#
04012 *****
04013 RO199-C0007-----D-----AREAhA-OPeARcMcs-TPeakDate hHMm--RvM-R-C----DWfMcs
04014 CALIB NASHVD 1.0 01:EXT5 1.55 6.076 M_date 12:21 28.95 324 000
04015 [CN# = 51.0; N# = 3.00; Tpe = .44]
04016 *****
04017 # M#
04018 *****
04019 RO199-C0008-----D-----AREAhA-OPeARcMcs-TPeakDate hHMm--RvM-R-C----DWfMcs
04020 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04021 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04022 *****
04023 # M#
04024 *****
04025 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04026 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04027 *****
04028 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04029 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04030 *****
04031 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04032 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04033 *****
04034 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04035 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04036 *****
04037 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04038 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04039 *****
04040 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04041 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04042 *****
04043 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04044 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04045 *****
04046 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04047 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04048 *****
04049 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04050 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04051 *****
04052 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04053 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04054 *****
04055 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04056 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04057 *****
04058 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04059 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04060 *****
04061 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04062 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04063 *****
04064 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04065 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04066 *****
04067 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04068 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04069 *****
04070 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04071 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04072 *****
04073 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04074 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04075 *****
04076 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04077 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04078 *****
04079 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04080 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04081 *****
04082 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04083 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04084 *****
04085 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04086 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04087 *****
04088 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04089 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04090 *****
04091 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04092 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04093 *****
04094 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04095 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04096 *****
04097 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04098 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04099 *****
04100 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04101 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04102 *****
04103 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04104 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04105 *****
04106 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04107 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04108 *****
04109 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04110 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04111 *****
04112 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04113 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04114 *****
04115 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04116 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04117 *****
04118 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04119 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04120 *****
04121 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04122 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04123 *****
04124 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04125 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04126 *****
04127 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04128 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04129 *****
04130 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04131 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04132 *****
04133 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04134 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04135 *****
04136 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04137 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04138 *****
04139 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04140 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04141 *****
04142 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04143 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04144 *****
04145 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04146 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04147 *****
04148 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04149 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04150 *****
04151 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04152 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04153 *****
04154 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04155 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04156 *****
04157 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04158 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04159 *****
04160 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04161 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04162 *****
04163 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04164 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04165 *****
04166 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04167 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04168 *****
04169 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04170 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04171 *****
04172 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04173 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04174 *****
04175 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04176 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04177 *****
04178 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04179 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04180 *****
04181 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04182 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04183 *****
04184 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04185 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04186 *****
04187 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04188 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04189 *****
04190 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04191 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04192 *****
04193 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04194 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04195 *****
04196 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04197 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04198 *****
04199 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04200 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04201 *****
04202 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04203 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04204 *****
04205 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04206 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04207 *****
04208 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04209 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04210 *****
04211 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04212 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04213 *****
04214 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04215 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04216 *****
04217 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04218 [CN# = 59.0; N# = 3.00; Tpe = 1.71]
04219 *****
04220 CALIB NASHVD 1.0 01:R1 111.89 2.193 M_date 13:51 27.39 180 000
04221 [CN# = 59
```

```

03601> R0199:c00041-----DTime-ID:HHYD-----AREAb-QPEARcns-TpeakDate hh:mm-----RVmm-R.C-----DWFCms
03602> ADD HYD      + 1.0 02:24      65.89      1.797 Mo_date 13:52  51.87 n/a      .000
03603>              + 1.0 02:25      171.81     2.465 Mo_date 15:27  42.53 n/a      .000
03604>              + 1.0 02:R12     202.11     4.670 Mo_date 14:09  50.74 n/a      .000
03605>              SUM= 1.0 01:14      438.81     8.978 Mo_date 14:19  47.69 n/a      .000
03606> R0199:c00042-----DTime-ID:HHYD-----AREAb-QPEARcns-TpeakDate hh:mm-----RVmm-R.C-----DWFCms
03607> ROUTE CHANNEL -> 1.0 02:14      438.81     8.979 Mo_date 14:19  47.69 n/a      .000
03608> * [RDF= 1.00] out<- 1.0 01:R13     438.81     8.005 Mo_date 15:00  47.69 n/a      .000
03609> [L/S/n= 1015./ .100/.035]
03610> [Vmax= 4311.0max= 1.960]
03611> R0199:c00043-----DTime-ID:HHYD-----AREAb-QPEARcns-TpeakDate hh:mm-----RVmm-R.C-----DWFCms
03612> ADD HYD      + 1.0 02:26      60.20      1.245 Mo_date 15:15  58.24 n/a      .000
03613>              + 1.0 02:27      68.50      1.371 Mo_date 14:53  51.87 n/a      .000
03614>              + 1.0 02:R87     47.26      1.140 Mo_date 14:28  55.78 n/a      .000
03615>              + 1.0 02:R11     566.50     6.724 Mo_date 15:42  39.19 n/a      .000
03616>              + 1.0 02:R13     438.81     8.005 Mo_date 15:00  47.69 n/a      .000
03617>              SUM= 1.0 01:215     1181.27    19.275 Mo_date 15:11  44.73 n/a      .000
03618> R0199:c00044-----DTime-ID:HHYD-----AREAb-QPEARcns-TpeakDate hh:mm-----RVmm-R.C-----DWFCms
03619> ROUTE CHANNEL -> 1.0 02:15     1181.27    18.275 Mo_date 15:11  44.73 n/a      .000
03620> * [RDF= 1.00] out<- 1.0 01:R14     1181.27    18.018 Mo_date 15:31  44.73 n/a      .000
03621> [L/S/n= 556./ .100/.035]
03622> [Vmax= 505.0max= 0.864]
03623> R0199:c00045-----DTime-ID:HHYD-----AREAb-QPEARcns-TpeakDate hh:mm-----RVmm-R.C-----DWFCms
03624> ADD HYD      + 1.0 02:R89     24.24      .950 Mo_date 13:08  53.14 n/a      .000
03625>              + 1.0 02:R14     1181.27    18.018 Mo_date 15:31  44.73 n/a      .000
03626>              SUM= 1.0 01:OUT     1205.51    18.329 Mo_date 15:27  44.90 n/a      .000
03627> #####
03628> # STORMS
03629> #####
03630> R0199:c00046-----DTime-ID:HHYD-----AREAb-QPEARcns-TpeakDate hh:mm-----RVmm-R.C-----DWFCms
03631> FINISH
03632> #####
03633> #####
03634> WARNINGS / ERRORS / NOTES
03635> #####
03636> Simulation ended on 2025-07-28 at 13:44:21
03637> #####
03638> #####

```

```

1  20    Metric units / ID numbers OFF
2  *#*****
   *****
3  *#  SWMHYMO  / INPUT DATA FILE
4  *#*****
   *****
5  *#  Project Name   : [Tamarack Richmond]
6  *#  Project Number: [P2001(e01)]
7  *#  Date           : [2025 JULY 23]
8  *#  Modeller      : [MM and OS]
9  *#  Company       : [JFSA Canada Inc.]
10 *#  License #     : [2549237]
11 *#*****
   *****
12 *#  SUMMER CONDITIONS MODEL
13 *#  Model developed to simulate runoff from subcatchments under pre development conditions
14 *#*****
   *****
15 *#=====
16 *
   CONTINUOUS SIMULATIONS
17 *#=====
18 START          TZERO=[1967.0101], METOUT=[2], NSTORM=[0], NRUN=[1967]
19 *%             [""] <--storm filename, one per line for NSTORM time
20 *%-----|-----
21 *# Ottawa International Airport - 19 July 1967 to 01 Nov 2016
22 READ AES DATA  AES_FILENAME=["YOW_1967-2016.txt"],
23                IELEM=[123], START_DATE=[0], END_DATE=[-364]
24 *%-----|-----
25 *SAVE ALL HYDS  ON=[1], Start saving all hydrographs.
26 *               {All hydrographs will be saved as NHYD.NRUN}
27 *               {Use SAVE ALL HYDS with ON=[0] to cancel the autosave.}
28 *%-----|-----
29 * Use APII=20 for Design Storms
30 *COMPUTE API    APII=[20], APIK=[0.8]/day,
31 * Use APII=40 for Continuous Simulations (Spring start)
32 COMPUTE API    APII=[40], APIK=[0.8]/day,
33 * Use APII=0 for Continuous Simulations (Colin Brenan calibration)
34 *COMPUTE API    APII=[0], APIK=[0.8]/day,
35 *%-----|-----
36 *#=====
37 *#*****
   *****
38 *#  Pre-Development Conditions
39 *#*****
   *****
40 *%-----|-----
41 *#*****
   *****
42 *#  EXT1
43 *#*****
   *****
44 CONTINUOUS NASHYD  NHYD=["EXT1"], DT=[5] (min), AREA=[60.46] (ha),
45                  DWF=[0] (cms), CN/C=[51], IA=[4.67] (mm), N=[3.0], TP=[1.75] (hrs),
46                  Continuous simulation parameters:
47                  IaRECper=[24] (hrs), SMIN=[-1] (mm),  SMAX=[-1] (mm), SK=[0.1]/(mm),
48                  InterEventTime=[24] (hrs),
49                  Baseflow simulation parameters:
50                  BaseFlowOption=[1] , InitGWResVol=[0] (mm), GWResK=[0.95] (mm/day/mm),
51                  VHydCond=[0.1] (mm/hr), END=-1
52 *#*****
   *****
53 *#  EXT2
54 *#*****
   *****
55 CONTINUOUS NASHYD  NHYD=["EXT2"], DT=[5] (min), AREA=[7.62] (ha),
56                  DWF=[0] (cms), CN/C=[63], IA=[4.67] (mm), N=[3.0], TP=[0.92] (hrs),
57                  Continuous simulation parameters:
58                  IaRECper=[24] (hrs), SMIN=[-1] (mm),  SMAX=[-1] (mm), SK=[0.1]/(mm),
59                  InterEventTime=[24] (hrs),

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60         Baseflow simulation parameters:
61         BaseFlowOption=[1] , InitGWResVol=[0] (mm) , GWResK=[0.95] (mm/day/mm) ,
62         VHydCond=[0.1] (mm/hr) , END=-1
63 *****
64 *# EXT3
65 *****
66 CONTINUOUS NASHYD   NHYD=["EXT3"] , DT=[5] (min) , AREA=[17.96] (ha) ,
67                   DWF=[0] (cms) , CN/C=[59] , IA=[4.67] (mm) , N=[3.0] , TP=[1.64] (hrs) ,
68                   Continuous simulation parameters:
69                   IaRECPer=[24] (hrs) , SMIN=[-1] (mm) ,   SMAX=[-1] (mm) , SK=[0.1] / (mm) ,
70                   InterEventTime=[24] (hrs) ,
71                   Baseflow simulation parameters:
72                   BaseFlowOption=[1] , InitGWResVol=[0] (mm) , GWResK=[0.95] (mm/day/mm) ,
73                   VHydCond=[0.1] (mm/hr) , END=-1
74 *****
75 *# EXT4
76 *****
77 CONTINUOUS NASHYD   NHYD=["EXT4"] , DT=[5] (min) , AREA=[0.64] (ha) ,
78                   DWF=[0] (cms) , CN/C=[48] , IA=[4.67] (mm) , N=[3.0] , TP=[0.43] (hrs) ,
79                   Continuous simulation parameters:
80                   IaRECPer=[24] (hrs) , SMIN=[-1] (mm) ,   SMAX=[-1] (mm) , SK=[0.1] / (mm) ,
81                   InterEventTime=[24] (hrs) ,
82                   Baseflow simulation parameters:
83                   BaseFlowOption=[1] , InitGWResVol=[0] (mm) , GWResK=[0.95] (mm/day/mm) ,
84                   VHydCond=[0.1] (mm/hr) , END=-1
85 *****
86 *# EXT5
87 *****
88 CONTINUOUS NASHYD   NHYD=["EXT5"] , DT=[5] (min) , AREA=[1.55] (ha) ,
89                   DWF=[0] (cms) , CN/C=[56] , IA=[4.67] (mm) , N=[3.0] , TP=[0.44] (hrs) ,
90                   Continuous simulation parameters:
91                   IaRECPer=[24] (hrs) , SMIN=[-1] (mm) ,   SMAX=[-1] (mm) , SK=[0.1] / (mm) ,
92                   InterEventTime=[24] (hrs) ,
93                   Baseflow simulation parameters:
94                   BaseFlowOption=[1] , InitGWResVol=[0] (mm) , GWResK=[0.95] (mm/day/mm) ,
95                   VHydCond=[0.1] (mm/hr) , END=-1
96 *****
97 *# M1
98 *****
99 CONTINUOUS NASHYD   NHYD=["M1"] , DT=[5] (min) , AREA=[111.89] (ha) ,
100                   DWF=[0] (cms) , CN/C=[59] , IA=[4.67] (mm) , N=[3.0] , TP=[1.71] (hrs) ,
101                   Continuous simulation parameters:
102                   IaRECPer=[24] (hrs) , SMIN=[-1] (mm) ,   SMAX=[-1] (mm) , SK=[0.1] / (mm) ,
103                   InterEventTime=[24] (hrs) ,
104                   Baseflow simulation parameters:
105                   BaseFlowOption=[1] , InitGWResVol=[0] (mm) , GWResK=[0.95] (mm/day/mm) ,
106                   VHydCond=[0.1] (mm/hr) , END=-1
107 *****
108 *# M2
109 *****
110 CONTINUOUS NASHYD   NHYD=["M2"] , DT=[5] (min) , AREA=[119.73] (ha) ,
111                   DWF=[0] (cms) , CN/C=[53] , IA=[4.67] (mm) , N=[3.0] , TP=[3.12] (hrs) ,
112                   Continuous simulation parameters:
113                   IaRECPer=[24] (hrs) , SMIN=[-1] (mm) ,   SMAX=[-1] (mm) , SK=[0.1] / (mm) ,
114                   InterEventTime=[24] (hrs) ,
115                   Baseflow simulation parameters:
116                   BaseFlowOption=[1] , InitGWResVol=[0] (mm) , GWResK=[0.95] (mm/day/mm) ,
117                   VHydCond=[0.1] (mm/hr) , END=-1
118 *****
```

```
*****
119 *# M3
120 *#*****
*****
121 CONTINUOUS NASHYD  NHYD=["M3"], DT=[5] (min), AREA=[39.07] (ha),
122 DWF=[0] (cms), CN/C=[46], IA=[4.67] (mm), N=[3.0], TP=[1.68] (hrs),
123 Continuous simulation parameters:
124 IaRECper=[24] (hrs), SMIN=[-1] (mm),  SMAX=[-1] (mm), SK=[0.1]/(mm),
125 InterEventTime=[24] (hrs),
126 Baseflow simulation parameters:
127 BaseFlowOption=[1] , InitGWResVol=[0] (mm), GWResK=[0.95] (mm/day/mm),
128 VHydCond=[0.1] (mm/hr), END=-1
129 *#*****
*****
130 *# M4
131 *#*****
*****
132 CONTINUOUS NASHYD  NHYD=["M4"], DT=[5] (min), AREA=[50.96] (ha),
133 DWF=[0] (cms), CN/C=[53], IA=[4.67] (mm), N=[3.0], TP=[1.95] (hrs),
134 Continuous simulation parameters:
135 IaRECper=[24] (hrs), SMIN=[-1] (mm),  SMAX=[-1] (mm), SK=[0.1]/(mm),
136 InterEventTime=[24] (hrs),
137 Baseflow simulation parameters:
138 BaseFlowOption=[1] , InitGWResVol=[0] (mm), GWResK=[0.95] (mm/day/mm),
139 VHydCond=[0.1] (mm/hr), END=-1
140 *#*****
*****
141 *# M5
142 *#*****
*****
143 CONTINUOUS NASHYD  NHYD=["M5"], DT=[5] (min), AREA=[56.26] (ha),
144 DWF=[0] (cms), CN/C=[56], IA=[4.67] (mm), N=[3.0], TP=[2.09] (hrs),
145 Continuous simulation parameters:
146 IaRECper=[24] (hrs), SMIN=[-1] (mm),  SMAX=[-1] (mm), SK=[0.1]/(mm),
147 InterEventTime=[24] (hrs),
148 Baseflow simulation parameters:
149 BaseFlowOption=[1] , InitGWResVol=[0] (mm), GWResK=[0.95] (mm/day/mm),
150 VHydCond=[0.1] (mm/hr), END=-1
151 *#*****
*****
152 *# M6
153 *#*****
*****
154 CONTINUOUS NASHYD  NHYD=["M6"], DT=[5] (min), AREA=[25.62] (ha),
155 DWF=[0] (cms), CN/C=[62], IA=[4.67] (mm), N=[3.0], TP=[1.83] (hrs),
156 Continuous simulation parameters:
157 IaRECper=[24] (hrs), SMIN=[-1] (mm),  SMAX=[-1] (mm), SK=[0.1]/(mm),
158 InterEventTime=[24] (hrs),
159 Baseflow simulation parameters:
160 BaseFlowOption=[1] , InitGWResVol=[0] (mm), GWResK=[0.95] (mm/day/mm),
161 VHydCond=[0.1] (mm/hr), END=-1
162 *#*****
*****
163 *# M7
164 *#*****
*****
165 CONTINUOUS NASHYD  NHYD=["M7"], DT=[5] (min), AREA=[47.26] (ha),
166 DWF=[0] (cms), CN/C=[75], IA=[4.67] (mm), N=[3.0], TP=[2.29] (hrs),
167 Continuous simulation parameters:
168 IaRECper=[24] (hrs), SMIN=[-1] (mm),  SMAX=[-1] (mm), SK=[0.1]/(mm),
169 InterEventTime=[24] (hrs),
170 Baseflow simulation parameters:
171 BaseFlowOption=[1] , InitGWResVol=[0] (mm), GWResK=[0.95] (mm/day/mm),
172 VHydCond=[0.1] (mm/hr), END=-1
173 *#*****
*****
174 *# M8
175 *#*****
*****
```

176 CONTINUOUS NASHYD NHYD=["M8"], DT=[5] (min), AREA=[14.26] (ha),
177 DWF=[0] (cms), CN/C=[78], IA=[4.67] (mm), N=[3.0], TP=[1.13] (hrs),
178 Continuous simulation parameters:
179 IaRECper=[24] (hrs), SMIN=[-1] (mm), SMAX=[-1] (mm), SK=[0.1]/(mm),
180 InterEventTime=[24] (hrs),
181 Baseflow simulation parameters:
182 BaseFlowOption=[1], InitGWResVol=[0] (mm), GWResK=[0.95] (mm/day/mm),
183 VHydCond=[0.1] (mm/hr), END=-1
184 *#*****
185 *# M9
186 *#*****
187 CONTINUOUS NASHYD NHYD=["M9"], DT=[5] (min), AREA=[24.24] (ha),
188 DWF=[0] (cms), CN/C=[73], IA=[4.67] (mm), N=[3.0], TP=[1.13] (hrs),
189 Continuous simulation parameters:
190 IaRECper=[24] (hrs), SMIN=[-1] (mm), SMAX=[-1] (mm), SK=[0.1]/(mm),
191 InterEventTime=[24] (hrs),
192 Baseflow simulation parameters:
193 BaseFlowOption=[1], InitGWResVol=[0] (mm), GWResK=[0.95] (mm/day/mm),
194 VHydCond=[0.1] (mm/hr), END=-1
195 *#*****
196 *# SITE
197 *#*****
198 CONTINUOUS STANDHYD NHYD=["SITE"], DT=[5] (min), AREA=[60.48] (ha),
199 XIMP=[0.648], TIMP=[0.648], DWF=[0.0] (cms), LOSS=[1],
200 Horton Infiltration Parameters:
201 Fo=[76.2] (mm/hr), Fc=[13.2] (mm/hr), DCAY=[4.14] (/hr), F=[0.00] (mm),
202 Pervious areas:
203 IAper=[4.67] (mm), SLPP=[2.0] (%), LGP=[40] (m),
204 MNP=[0.25], SCP=[0] (min),
205 Impervious areas:
206 IAimp=[1.57] (mm), SLPI=[2.0] (%), LGI=[634.98] (m),
207 MNI=[0.013], SCI=[0] (min),
208 Continuous simulation parameters:
209 IaRECper=[24] (hrs), IaRECimp=[10] (hrs),
210 InterEventTime=[24] (hrs), END=-1
211 *#*****
212 *# T1
213 *#*****
214 CONTINUOUS NASHYD NHYD=["T1"], DT=[5] (min), AREA=[79.25] (ha),
215 DWF=[0] (cms), CN/C=[70], IA=[4.67] (mm), N=[3.0], TP=[1.64] (hrs),
216 Continuous simulation parameters:
217 IaRECper=[24] (hrs), SMIN=[-1] (mm), SMAX=[-1] (mm), SK=[0.1]/(mm),
218 InterEventTime=[24] (hrs),
219 Baseflow simulation parameters:
220 BaseFlowOption=[1], InitGWResVol=[0] (mm), GWResK=[0.95] (mm/day/mm),
221 VHydCond=[0.1] (mm/hr), END=-1
222 *#*****
223 *# T2
224 *#*****
225 CONTINUOUS NASHYD NHYD=["T2"], DT=[5] (min), AREA=[109.81] (ha),
226 DWF=[0] (cms), CN/C=[72], IA=[4.67] (mm), N=[3.0], TP=[2.34] (hrs),
227 Continuous simulation parameters:
228 IaRECper=[24] (hrs), SMIN=[-1] (mm), SMAX=[-1] (mm), SK=[0.1]/(mm),
229 InterEventTime=[24] (hrs),
230 Baseflow simulation parameters:
231 BaseFlowOption=[1], InitGWResVol=[0] (mm), GWResK=[0.95] (mm/day/mm),
232 VHydCond=[0.1] (mm/hr), END=-1
233 *#*****
234 *# T3
235 *#*****


```

*****
236 CONTINUOUS NASHYD  NHYD=["T3"], DT=[5] (min), AREA=[12.05] (ha),
237 DWF=[0] (cms), CN/C=[70], IA=[4.67] (mm), N=[3.0], TP=[0.87] (hrs),
238 Continuous simulation parameters:
239 IaRECPER=[24] (hrs), SMIN=[-1] (mm), SMAX=[-1] (mm), SK=[0.1]/(mm),
240 InterEventTime=[24] (hrs),
241 Baseflow simulation parameters:
242 BaseFlowOption=[1], InitGWResVol=[0] (mm), GWResK=[0.95] (mm/day/mm),
243 VHydCond=[0.1] (mm/hr), END=-1
244 *****
*****
245 *# T4
246 *****
*****
247 CONTINUOUS NASHYD  NHYD=["T4"], DT=[5] (min), AREA=[65.89] (ha),
248 DWF=[0] (cms), CN/C=[72], IA=[4.67] (mm), N=[3.0], TP=[1.76] (hrs),
249 Continuous simulation parameters:
250 IaRECPER=[24] (hrs), SMIN=[-1] (mm), SMAX=[-1] (mm), SK=[0.1]/(mm),
251 InterEventTime=[24] (hrs),
252 Baseflow simulation parameters:
253 BaseFlowOption=[1], InitGWResVol=[0] (mm), GWResK=[0.95] (mm/day/mm),
254 VHydCond=[0.1] (mm/hr), END=-1
255 *****
*****
256 *# T5
257 *****
*****
258 CONTINUOUS NASHYD  NHYD=["T5"], DT=[5] (min), AREA=[171.81] (ha),
259 DWF=[0] (cms), CN/C=[64], IA=[4.67] (mm), N=[3.0], TP=[3.07] (hrs),
260 Continuous simulation parameters:
261 IaRECPER=[24] (hrs), SMIN=[-1] (mm), SMAX=[-1] (mm), SK=[0.1]/(mm),
262 InterEventTime=[24] (hrs),
263 Baseflow simulation parameters:
264 BaseFlowOption=[1], InitGWResVol=[0] (mm), GWResK=[0.95] (mm/day/mm),
265 VHydCond=[0.1] (mm/hr), END=-1
266 *****
*****
267 *# T6
268 *****
*****
269 CONTINUOUS NASHYD  NHYD=["T6"], DT=[5] (min), AREA=[60.20] (ha),
270 DWF=[0] (cms), CN/C=[77], IA=[4.67] (mm), N=[3.0], TP=[2.98] (hrs),
271 Continuous simulation parameters:
272 IaRECPER=[24] (hrs), SMIN=[-1] (mm), SMAX=[-1] (mm), SK=[0.1]/(mm),
273 InterEventTime=[24] (hrs),
274 Baseflow simulation parameters:
275 BaseFlowOption=[1], InitGWResVol=[0] (mm), GWResK=[0.95] (mm/day/mm),
276 VHydCond=[0.1] (mm/hr), END=-1
277 *****
*****
278 *# T7
279 *****
*****
280 CONTINUOUS NASHYD  NHYD=["T7"], DT=[5] (min), AREA=[68.50] (ha),
281 DWF=[0] (cms), CN/C=[72], IA=[4.67] (mm), N=[3.0], TP=[2.63] (hrs),
282 Continuous simulation parameters:
283 IaRECPER=[24] (hrs), SMIN=[-1] (mm), SMAX=[-1] (mm), SK=[0.1]/(mm),
284 InterEventTime=[24] (hrs),
285 Baseflow simulation parameters:
286 BaseFlowOption=[1], InitGWResVol=[0] (mm), GWResK=[0.95] (mm/day/mm),
287 VHydCond=[0.1] (mm/hr), END=-1
288 *****
*****
289 * NOTE: Cross-section C1 is taken from the LiDAR data
290 ROUTE CHANNEL      NHYDout=["R1"], NHYDin=["M1"], RDT=[5] (min),
291 CHLGTH=[2381.159] (m), CHSLOPE=[0.105] (%), FPSLOPE=[0.105] (%),
292 SECNUM=[1], NSEG=[3],
293 (SEGROUGH, SEGDIST (m))=[0.08,2.74 -0.035,26.04 0.08,28.78] NSEG
times

```

```

294          ( DISTANCE (m), ELEVATION (m))=[1.37, 94.96]
295          [2.74, 94.87]
296          [4.11, 94.78]
297          [5.48, 94.67]
298          [6.85, 94.62]
299          [8.22, 94.39]
300          [9.59, 94.24]
301          [10.96, 94.27]
302          [12.33, 94.35]
303          [13.7, 94.42]
304          [15.07, 94.49]
305          [16.44, 94.57]
306          [17.81, 94.61]
307          [23.29, 94.75]
308          [24.66, 94.82]
309          [26.04, 94.85]
310          [27.41, 94.91]
311          [28.78, 94.94]
312 *%-----|-----|
313 ADD HYD          NHYDsum=["J2"], NHYDs to add=["R1"+"M2"+"M3"]
314 *%-----|-----|
315 * NOTE: Cross-section C2 is taken from the LiDAR data
316 ROUTE CHANNEL   NHYDout=["R2"], NHYDin=["J2"], RDT=[5] (min),
317                 CHLGTH=[470.986] (m), CHSLOPE=[0.221] (%), FPSLOPE=[0.221] (%),
318                 SECNUM=[2], NSEG=[3],
319                 ( SEGROUGH, SEGDIST (m))=[0.08,8.28 -0.035,28.98 0.08,30.36] NSEG
320                 times
321                 ( DISTANCE (m), ELEVATION (m))=[5.52, 94.07]
322                 [6.9, 94.04]
323                 [8.28, 93.99]
324                 [9.66, 93.84]
325                 [11.04, 93.75]
326                 [12.42, 93.58]
327                 [13.8, 93.53]
328                 [15.18, 93.48]
329                 [16.56, 93.44]
330                 [17.94, 93.35]
331                 [19.32, 93.4]
332                 [20.7, 93.47]
333                 [22.08, 93.58]
334                 [23.46, 93.64]
335                 [24.84, 93.79]
336                 [26.22, 93.88]
337                 [27.6, 93.92]
338                 [28.98, 94.01]
339                 [30.36, 94.14]
340 *%-----|-----|
341 ADD HYD          NHYDsum=["J3"], NHYDs to add=["R2"+"M4"]
342 *%-----|-----|
343 * NOTE: Cross-section C3 is taken from the LiDAR data
344 ROUTE CHANNEL   NHYDout=["R3"], NHYDin=["J3"], RDT=[5] (min),
345                 CHLGTH=[733.681] (m), CHSLOPE=[0.1] (%), FPSLOPE=[0.1] (%),
346                 SECNUM=[3], NSEG=[3],
347                 ( SEGROUGH, SEGDIST (m))=[0.08,4.06 -0.035,61.98 0.08,67.06] NSEG
348                 times
349                 ( DISTANCE (m), ELEVATION (m))=[2.03, 94.57]
350                 [4.06, 94.33]
351                 [6.1, 94.26]
352                 [9.14, 94.13]
353                 [15.24, 93.62]
354                 [17.27, 93.57]
355                 [22.35, 93.39]
356                 [24.38, 93.13]
357                 [25.4, 93.08]
358                 [27.43, 92.9]
359                 [42.67, 92.8]
360                 [43.69, 92.87]
361                 [47.75, 93.28]
362                 [48.77, 93.35]

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361 [50.8, 93.65]
362 [53.85, 93.82]
363 [55.88, 93.88]
364 [61.98, 94.31]
365 [64.01, 94.42]
366 [67.06, 94.48]
367
368 *%-----|-----|
369 ADD HYD      NHYDsum=["J4"], NHYDs to add=["R3"+"M5"]
370 *%-----|-----|
371 * NOTE: Cross-section C5 is taken from the LiDAR data
372 ROUTE CHANNEL NHYDout=["R5"], NHYDin=["J4"], RDT=[5] (min),
373 CHLGTH=[664.278] (m), CHSLOPE=[0.157] (%), FPSLOPE=[0.157] (%),
374 SECNUM=[5], NSEG=[3],
375 ( SEGROUGH, SEGDIST (m))=[0.08,71.08 -0.035,96.93 0.08,102.1] NSEG
times
376 ( DISTANCE (m), ELEVATION (m))=[67.2, 93.03]
377 [68.49, 92.95]
378 [71.08, 92.81]
379 [73.66, 92.64]
380 [74.96, 92.5]
381 [77.54, 92.22]
382 [78.83, 92.09]
383 [82.71, 91.89]
384 [85.29, 91.86]
385 [87.88, 91.84]
386 [90.46, 92]
387 [91.76, 92.23]
388 [93.05, 92.45]
389 [95.63, 92.73]
390 [96.93, 92.87]
391 [99.51, 93.13]
392 [102.1, 93.39]
393
394 *%-----|-----|
395 ADD HYD      NHYDsum=["POND"], NHYDs to
add=["EXT1"+"EXT2"+"EXT3"+"EXT4"+"EXT5"+"SITE"]
396 *%-----|-----|
397 ROUTE RESERVOIR NHYDout=["PONDout"], NHYDin=["POND"], RDT=[ 5 ] (min),
398 TABLE of ( OUTFLOW-STORAGE ) values
399 (cms) - (ha-m)
400 [ 0 , 0 ]
401 [ 0.069 , 0.595 ]
402 [ 0.14 , 0.90563 ]
403 [ 0.243 , 1.23005 ]
404 [ 0.385 , 1.57746 ]
405 [ 0.772 , 2.08418 ]
406 [ 1.135 , 2.357 ]
407 [ 1.655 , 2.68442 ]
408 [ 2.143 , 2.95124 ]
409 [ 2.908 , 3.22 ]
410 [ -1 , -1 ]
411 NHYDovf=["PONDovf"],
412 *%-----|-----|
413 SAVE HYD     NHYD=["PONDout"], # OF PCYCLES=[-1], ICASEsh=[1]
414 HYD_COMMENT=["Total post dev flows From Site"]
415 *%-----|-----|
416 ADD HYD      NHYDsum=["J7"], NHYDs to add=["R5"+"PONDout"+"PONDovf"]
417 *%-----|-----|
418 * NOTE: Cross-section C10 is taken from the LiDAR data
419 ROUTE CHANNEL NHYDout=["R10"], NHYDin=["J7"], RDT=[5] (min),
420 CHLGTH=[308.179] (m), CHSLOPE=[0.1] (%), FPSLOPE=[0.1] (%),
421 SECNUM=[10], NSEG=[3],
422 ( SEGROUGH, SEGDIST (m))=[0.08,7.52 -0.035,87.69 0.08,95.21] NSEG
times
423 ( DISTANCE (m), ELEVATION (m))=[0, 93.73]
424 [3.76, 93.66]
425 [7.52, 93.51]
426 [16.29, 93.22]

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427 [22.55, 92.99]
428 [31.32, 92.89]
429 [40.09, 92.81]
430 [50.11, 92.49]
431 [51.36, 92.25]
432 [61.38, 91.74]
433 [63.89, 91.5]
434 [80.18, 91.52]
435 [81.43, 91.71]
436 [83.93, 92]
437 [85.19, 92.66]
438 [86.44, 93.31]
439 [87.69, 93.51]
440 [91.45, 93.69]
441 [95.21, 93.73]
442 *%-----|-----|
443 ADD HYD      NHYDsum=["J12"], NHYDs to add=["R10"+"M6"+"M8"]
444 *%-----|-----|
445 *%-----|-----|
446 EROSION INDEX  INDEX_METHOD=[1], QCE=[ 0.175 ](cms) NHYDsErosion=[ "J12" ]
447 *%-----|-----|
448 SAVE HYD      NHYD=["J12"], # OF PCYCLES=[-1], ICASEsh=[1]
449              HYD_COMMENT=["J12- GMX Erosion Node MC-3"]
450 *%-----|-----|
451 * NOTE: Cross-section C11 is taken from the LiDAR data
452 ROUTE CHANNEL NHYDout=["R11"], NHYDin=["J12"], RDT=[5](min),
453              CHLGTH=[1181.518](m), CHSLOPE=[0.1](%), FPSLOPE=[0.1](%),
454              SECNUM=[11], NSEG=[3],
455              ( SEGRROUGH, SEGDIST (m))=[0.08,37.47 -0.035,88.11 0.08,97.22] NSEG
456              times
457              ( DISTANCE (m), ELEVATION (m))=[34.43, 93.16]
458              [37.47, 92.53]
459              [40.51, 91.85]
460              [43.55, 91.36]
461              [46.59, 91.07]
462              [51.65, 90.71]
463              [58.74, 90.66]
464              [62.79, 90.85]
465              [66.84, 90.95]
466              [71.9, 91.37]
467              [80.01, 91.45]
468              [84.06, 91.85]
469              [86.08, 92.16]
470              [88.11, 92.59]
471              [94.19, 92.94]
472              [97.22, 93.2]
473 *%-----|-----|
474 *%-----|-----|
475 * NOTE: Cross-section C12 is taken from the LiDAR data
476 ROUTE CHANNEL NHYDout=["R12"], NHYDin=["J13"], RDT=[5](min),
477              CHLGTH=[705.792](m), CHSLOPE=[0.116](%), FPSLOPE=[0.116](%),
478              SECNUM=[12], NSEG=[3],
479              ( SEGRROUGH, SEGDIST (m))=[0.08,67.9 -0.035,74.69 0.08,75.82] NSEG
480              times
481              ( DISTANCE (m), ELEVATION (m))=[66.77, 92.59]
482              [67.9, 92.33]
483              [69.03, 91.9]
484              [70.17, 91.16]
485              [71.3, 91.07]
486              [72.43, 91.23]
487              [73.56, 91.75]
488              [74.69, 92.68]
489              [75.82, 92.75]
490 *%-----|-----|
491 ADD HYD      NHYDsum=["J14"], NHYDs to add=["T4"+"T5"+"R12"]
492 *%-----|-----|

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492 * NOTE: Cross-section C13 is taken from the LiDAR data
493 ROUTE CHANNEL      NHYDout=["R13"], NHYDin=["J14"], RDT=[5] (min),
494                   CHLGTH=[1015.406] (m), CHSLOPE=[0.1] (%), FPSLOPE=[0.1] (%),
495                   SECNUM=[13], NSEG=[3],
496                   ( SEGROUGH, SEGDIST (m))=[0.08,4.12 -0.035,67.25 0.08,71.37] NSEG
                                times
497                   ( DISTANCE (m), ELEVATION (m))=[0, 92.15]
498                                                         [1.37, 92.1]
499                                                         [4.12, 92.02]
500                                                         [9.61, 91.92]
501                                                         [17.84, 91.82]
502                                                         [21.96, 91.8]
503                                                         [31.57, 91.73]
504                                                         [42.54, 91.66]
505                                                         [46.66, 91.62]
506                                                         [54.9, 91.58]
507                                                         [56.27, 91.21]
508                                                         [57.64, 90.73]
509                                                         [59.01, 90.67]
510                                                         [61.76, 90.77]
511                                                         [63.13, 91.31]
512                                                         [64.5, 91.8]
513                                                         [67.25, 92.03]
514                                                         [69.99, 92.16]
515                                                         [71.37, 92.28]
516 *%-----|-----|
517 ADD HYD      NHYDsum=["J15"], NHYDs to add=["T6"+"T7"+"M7"+"R11"+"R13"]
518 *%-----|-----|
519 * NOTE: Cross-section C14 is taken from the LiDAR data
520 ROUTE CHANNEL      NHYDout=["R14"], NHYDin=["J15"], RDT=[5] (min),
521                   CHLGTH=[555.855] (m), CHSLOPE=[0.1] (%), FPSLOPE=[0.1] (%),
522                   SECNUM=[14], NSEG=[3],
523                   ( SEGROUGH, SEGDIST (m))=[0.08,62.04 -0.035,159.54 0.08,163.34]
                                NSEG times
524                   ( DISTANCE (m), ELEVATION (m))=[58.24, 91.88]
525                                                         [59.51, 91.83]
526                                                         [60.78, 91.76]
527                                                         [62.04, 91.53]
528                                                         [63.31, 91.13]
529                                                         [64.58, 90.7]
530                                                         [67.11, 90.45]
531                                                         [75.97, 90.38]
532                                                         [82.3, 90.37]
533                                                         [93.7, 90.38]
534                                                         [98.76, 90.42]
535                                                         [100.03, 90.56]
536                                                         [103.83, 91.07]
537                                                         [105.09, 91.1]
538                                                         [153.21, 91.26]
539                                                         [154.48, 91.32]
540                                                         [158.27, 91.48]
541                                                         [159.54, 91.53]
542                                                         [160.81, 91.6]
543                                                         [163.34, 91.63]
544 *%-----|-----|
545 ADD HYD      NHYDsum=["OUT"], NHYDs to add=["M9"+"R14"]
546 *%-----|-----|
547 *#=====|=====|
548 *
549 *#=====|=====|
550 START      TZERO=[1968.0101],  METOUT=[2],  NSTORM=[0],  NRUN=[1968]
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597 *%-----|-----
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598 FINISH
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00003 SSSSS W W M M H H Y Y M M O O 222 000 11 5555
00004 S W W M M M M H H Y Y M M O O 2 0 0 11 5
00005 SSSSS W W M M H H Y Y M M O O 2 0 0 11 5 Ver 5.000
00006 S W W M M H H Y Y M M O O 222 0 0 11 555 FEB 2013
00007 SSSSS W W M M H H Y Y M M O O 2 0 0 11 5
00008
00009 StormWater Management Hydrologic Model 222 000 11 555 =====
00010
00011 ***** SWMHYDRO Ver 5.000 *****
00012 ***** A single event and continuous hydrologic simulation model *****
00013 ***** based on the principles of HYMO and its successors *****
00014 *****
00015 ***** Distributed by: J.F. Sabourin and Associates Inc. *****
00016 *****
00017 ***** Ottawa, Ontario: (613) 836-3884 *****
00018 *****
00019 ***** Gatineau, Quebec: (819) 243-6858 *****
00020 *****
00021 ***** EMail: jsabourin@jfa.com *****
00022 *****
00023 ***** Licensed user: JFSaInc. *****
00024 ***** SERIAL:2549237 *****
00025 *****
00026 *****
00027 *****
00028 ***** PROGRAM ARRAY DIMENSIONS *****
00029 *****
00030 ***** Maximum Value For ID numbers : 11 *****
00031 ***** Max. number of rainfall points: 105408 *****
00032 ***** Max. number of flow points : 105408 *****
00033 *****
00034 *****
00035 ***** S U M M A R Y O U T P U T *****
00036 *****
00037 ***** RUN DATE: 2025-07-28 TIME: 13:46:43 RUN COUNTER: 011474 *****
00038 *****
00039 ***** Input file: C:\Temp\202507-Post\MALB-Post_V01-Cont.dat *****
00040 ***** Output file: C:\Temp\202507-Post\MALB-Post_V01-Cont.out *****
00041 ***** Summary file: C:\Temp\202507-Post\MALB-Post_V01-Cont.sum *****
00042 ***** User comments: *****
00043 *****
00044 *****
00045 *****
00046 *****
00047 *****
00048 *****
00049 *****
00050 ***** SWMHYDRO / INPUT DATA FILE *****
00051 *****
00052 ***** Project Name : [Tamarack Richmond] *****
00053 ***** Project Number: [P2001.e011] *****
00054 ***** Date : [2025 JULY 23] *****
00055 ***** Modeler : [JM and GS] *****
00056 ***** Company : [JFA Canada Inc.] *****
00057 ***** License # : [2549237] *****
00058 *****
00059 ***** SUMMER CONDITIONS MODEL *****
00060 ***** Model developed to simulate runoff from subcatchments under pre development conditions *****
00061 *****
00062 *****
00063 *****
00064 *****
00065 ***** END OF RUN : 1966 *****
00066 *****
00067 *****
00068 *****
00069 *****
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00080 *****
00081 ***** SWMHYDRO / INPUT DATA FILE *****
00082 *****
00083 ***** Project Name : [Tamarack Richmond] *****
00084 ***** Project Number: [P2001.e011] *****
00085 ***** Date : [2025 JULY 23] *****
00086 ***** Modeler : [JM and GS] *****
00087 ***** Company : [JFA Canada Inc.] *****
00088 ***** License # : [2549237] *****
00089 *****
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00091 ***** Model developed to simulate runoff from subcatchments under pre development conditions *****
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00200 *****

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00361 + 5.0 02186 25.62 .266 1967.0922 1140 108.42 n/a .000
00362 + 5.0 02188 14.26 .299 1967.0922 0125 112.67 n/a .000
00363 SUM= 5.0 01212 566.50 3.281 1967.0922 3110 113.01 n/a .000
00364 R1967C00038 -----DtnId-IDNHVD-----AREAhA-OPeARcMs-TPeakDate hHms-----RvMm-R.C-----DMFms
00365 # EROSION INDEX -----DtnId-IDNHVD-----AREAhA-QVGCms-DRRms-EROSms--EXC.-I-EVNT--EXC.VolCm
00366 [I/S/m= .175] 566.50 .044 0042.50 181.50 4.9 9 .226296
00367 R1967C00048 -----DtnId-IDNHVD-----AREAhA-OPeARcMs-TPeakDate hHms-----RvMm-R.C-----DMFms
00368 SAVE HYD 5.0 01212 566.50 3.281 1967.0922 3110 113.01 n/a .000
00369 #name :112.1967
00370 #remark:112-CM Erosion Node MC-3
00371 R1967C00041 -----DtnId-IDNHVD-----AREAhA-OPeARcMs-TPeakDate hHms-----RvMm-R.C-----DMFms
00372 ROUTE CHANNEL --> 5.0 01212 566.50 3.281 1967.0922 3110 113.01 n/a .000
00373 [I/S/m= 1182./ 100./035]
00374 #Vmax= 424.8max
00375 R1967C00042 -----DtnId-IDNHVD-----AREAhA-OPeARcMs-TPeakDate hHms-----RvMm-R.C-----DMFms
00376 ADD HYD + 5.0 02173 79.23 1.084 1967.0922 1120 119.70 n/a .000
00377 + 5.0 02175 109.81 1.241 1967.0922 2115 122.44 n/a .000
00378 + 5.0 02181 12.05 .236 1967.0922 0125 119.70 n/a .000
00379 SUM= 5.0 01214 566.50 4.427 1967.0922 3145 117.29 n/a .000
00380 R1967C00043 -----DtnId-IDNHVD-----AREAhA-OPeARcMs-TPeakDate hHms-----RvMm-R.C-----DMFms
00381 ROUTE CHANNEL --> 5.0 01214 566.50 4.427 1967.0922 3145 117.29 n/a .000
00382 + [RD= 5.0] out= 5.0 01213 438.81 4.035 1967.0922 4100 117.29 n/a .000
00383 [I/S/m= 708./ 1167./035]
00384 #Vmax= 689.8max
00385 R1967C00044 -----DtnId-IDNHVD-----AREAhA-OPeARcMs-TPeakDate hHms-----RvMm-R.C-----DMFms
00386 ADD HYD + 5.0 02175 171.81 1.316 1967.0922 3105 110.74 n/a .000
00387 + 5.0 02182 201.11 2.378 1967.0922 1155 121.20 n/a .000
00388 SUM= 5.0 01214 566.50 4.427 1967.0922 3105 117.29 n/a .000
00389 R1967C00045 -----DtnId-IDNHVD-----AREAhA-OPeARcMs-TPeakDate hHms-----RvMm-R.C-----DMFms
00390 ROUTE CHANNEL --> 5.0 01214 566.50 4.427 1967.0922 3105 117.29 n/a .000
00391 + [RD= 5.0] out= 5.0 01213 438.81 4.035 1967.0922 4100 117.29 n/a .000
00392 [I/S/m= 1015./ 100./035]
00393 #Vmax= 373.8max
00394 R1967C00046 -----DtnId-IDNHVD-----AREAhA-OPeARcMs-TPeakDate hHms-----RvMm-R.C-----DMFms
00395 ADD HYD + 5.0 02177 68.50 .713 1967.0922 2135 122.44 n/a .000
00396 + 5.0 02179 47.26 .586 1967.0922 2110 128.15 n/a .000
00397 # Project Name : [Parameter:Command]
00398 + 5.0 02181 438.81 4.035 1967.0922 4100 117.29 n/a .000
00399 + 5.0 02187 438.81 4.035 1967.0922 4100 117.29 n/a .000
00400 # Project Number : [P001 (edit)]
00401 + 5.0 02189 181.27 8.773 1967.0922 4100 116.67 n/a .000
00402 # Date : [2025 July 23]
00403 # Modeler : [Mm and OS]
00404 # Company : [JPSA Canada Inc.]
00405 # License # : [25022]
00406 # *****
00407 # SUMMER CONDITIONS MODELS
00408 # Model developed to simulate runoff from subcatchments under pre development conditions
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007211 ROUTE CHANNEL -> 5.0 02:12:12 566.50 2.156 1968.0809 5:50 129.30 n/a .000
007212 (L/S= 1182./ .100/.035)
007223 (Vmax= .366;Dmax= .409)
007245 R1969:CO014-----DtmIn-ID:INHYD-----AREAh-QFEARcm-TpeakDate hh:mm-----Rvm-R-C-----DWFms
007246 ADD HYD + 5.0 02:11 79.25 .827 1968.0817 12:30 129.84 n/a .000
007247 + 5.0 02:12 159.81 .852 1968.0817 12:30 133.47 n/a .000
007248 + 5.0 02:13 120.55 .229 1968.0817 11:40 129.84 n/a .000
007249 SUM= 5.0 01:13 201.11 1.742 1968.0817 12:35 131.82 n/a .000
007311 R1969:CO043-----DtmIn-ID:INHYD-----AREAh-QFEARcm-TpeakDate hh:mm-----Rvm-R-C-----DWFms
007312 ROUTE CHANNEL -> 5.0 01:21:3 201.11 1.742 1968.0817 12:35 131.82 n/a .000
007322 (L/S= 706./ .116/.035)
007333 (Vmax= .631;Dmax= .954)
007355 R1969:CO044-----DtmIn-ID:INHYD-----AREAh-QFEARcm-TpeakDate hh:mm-----Rvm-R-C-----DWFms
007356 ADD HYD + 5.0 02:14 65.89 .673 1968.0817 12:35 133.47 n/a .000
007357 + 5.0 02:15 171.81 .852 1968.0817 12:30 133.47 n/a .000
007358 + 5.0 02:16 201.11 1.690 1968.0817 12:50 131.82 n/a .000
007359 SUM= 5.0 01:24 438.81 3.063 1968.0817 12:55 126.86 n/a .000
007401 R1969:CO045-----DtmIn-ID:INHYD-----AREAh-QFEARcm-TpeakDate hh:mm-----Rvm-R-C-----DWFms
007402 ROUTE CHANNEL -> 5.0 02:14 438.81 3.063 1968.0817 12:55 126.86 n/a .000
007423 (L/S= 5.00 out<- 5.0 01:21:3 438.81 2.909 1968.0817 12:55 126.86 n/a .000
007434 (Vmax= .614;Dmax= .950)
007456 R1969:CO046-----DtmIn-ID:INHYD-----AREAh-QFEARcm-TpeakDate hh:mm-----Rvm-R-C-----DWFms
007457 ADD HYD + 5.0 02:16 60.20 .423 1968.0817 13:55 145.23 n/a .000
007458 + 5.0 02:17 68.50 .474 1968.0817 13:30 133.46 n/a .000
007459 + 5.0 02:18 47.26 .410 1968.0817 13:05 141.15 n/a .000
007460 + 5.0 02:19 566.50 2.070 1968.0809 6:25 129.30 n/a .000
007461 + 5.0 02:20 438.81 2.809 1968.0817 12:55 126.86 n/a .000
007462 SUM= 5.0 01:25 1181.27 5.882 1968.0809 5:40 129.92 n/a .000
007529 R1969:CO047-----DtmIn-ID:INHYD-----AREAh-QFEARcm-TpeakDate hh:mm-----Rvm-R-C-----DWFms
007530 ROUTE CHANNEL -> 5.0 01:25 1181.27 5.882 1968.0809 5:40 129.92 n/a .000
007542 (L/S= 536./ .100/.035)
007556 (Vmax= .448;Dmax= .400)
007578 R1969:CO048-----DtmIn-ID:INHYD-----AREAh-QFEARcm-TpeakDate hh:mm-----Rvm-R-C-----DWFms
007579 ADD HYD + 5.0 02:19 24.24 .388 1968.0817 11:55 133.33 n/a .000
007580 + 5.0 02:14 1181.27 5.827 1968.0809 5:50 129.92 n/a .000
007581 + 5.0 01:00:07 1200.31 5.845 1968.0809 5:45 130.02 n/a .000
007611 *****
007623 ** END OF RUN : 1968
007624
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007630
007711 RUN COMMANDS
007721 R1969:CO001-----DtmIn-ID:INHYD-----AREAh-QFEARcm-TpeakDate hh:mm-----Rvm-R-C-----DWFms
007731 START
007741 (TZRO= 1.00 hrs on 19690101)
007751 METOP= 2 (1=upper; 2=metric output)
007761 (MFORM= 0)
007771 (MIND= 1968)
007781 *****
007791 # SWMFRM / INPUT DATA FILE
007801 # *****
007811 # Project Name : [Paranack Richmond]
007821 # Project Number : [2025]
007831 # Date : [2025 July 03]
007841 # Modifier : [M and G]
007851 # Company : JFSA Canada Inc.
007861 # License # : 2549237
007871 *****
007881 # SUMMER CONDITIONS MODEL
007891 # Model developed to simulate runoff from subcatchments under pre development conditions
007901 *****
007911 # *****
007921 # *****
007931 # Ottawa International Airport - 19 July 1967 to 01 Nov 2016
007941 R1969:CO002-----DtmIn-ID:INHYD-----AREAh-QFEARcm-TpeakDate hh:mm-----Rvm-R-C-----DWFms
007951 # READ AREA DATA
007961 (Filename= YOW 1967-2016.txt)
007971 (Start= 1965;End date= 1968.1231)
007981 (D% 60;min: Length= 8760; WetRn= 469; DryRn= 8291; PFD= 569.80)
007991 Maximum average rainfall intensities over
008001 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
008011 21.10 16.25 10.83 7.78 3.93 2.10 1.40 1.09 7.75 mm/hr
008021 21.10 32.50 32.50 46.70 47.20 50.30 52.10 54.00 mm
008031 19690819 19690819 19690819 19690819 19690819 19690819 19690819 19690820 date
008041 Number of rainfall events per following interval
008051 1 hr 2 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
008061 157 119 107 92 72 38 49 43 32
008071 Number of events with at least the following durations
008081 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
008091 154 84 58 21 5 0 0 0 0
008101 R1969:CO003-----DtmIn-ID:INHYD-----AREAh-QFEARcm-TpeakDate hh:mm-----Rvm-R-C-----DWFms
008111 COMPUTE API
008121 (APIIn= 40.0; APIky= 8000; APIkdx= 9907)
008131 (APIFmax= 51.27; APIFavg= 7.51; APIFmin= .00)
008141 *****
008151 # Pre-Development Conditions
008161 *****
008171 *****
008181 *****
008191 # EXT1
008201 *****
008211 R1969:CO004-----DtmIn-ID:INHYD-----AREAh-QFEARcm-TpeakDate hh:mm-----Rvm-R-C-----DWFms
008221 CONTINUOUS NASHYD 5.0 01:21 60.46 .379 1968.0819 9:15 92.37 .162 .000
008231 (Cm 51.0; N= 3.00; Tpe= 1.75)
008241 [IAREC=24.00; EMIN= 99.77; SMAX=665.12; SR= 100]
008251 [InterEventTime= 24.00]
008261 *****
008271 # EXT2
008281 *****
008291 R1969:CO005-----DtmIn-ID:INHYD-----AREAh-QFEARcm-TpeakDate hh:mm-----Rvm-R-C-----DWFms
008301 CONTINUOUS NASHYD 5.0 01:21 111.89 .872 1969.0819 9:15 102.39 n/a .000
008311 (Cm 63.0; N= 3.00; Tpe= .92)
008321 [IAREC=24.00; EMIN= 99.42; SMAX=396.11; SR= 100]
008331 [InterEventTime= 24.00]
008341 *****
008351 # EXT3
008361 *****
008371 R1969:CO006-----DtmIn-ID:INHYD-----AREAh-QFEARcm-TpeakDate hh:mm-----Rvm-R-C-----DWFms
008381 CONTINUOUS NASHYD 5.0 01:21:3 17.96 .144 1969.0819 9:10 102.39 .180 .000
008391 (Cm 59.0; N= 3.00; Tpe= 1.64)
008401 [IAREC=24.00; EMIN= 99.42; SMAX=467.39; SR= 100]
008411 [InterEventTime= 24.00]
008421 *****
008431 # EXT4
008441 *****
008451 R1969:CO007-----DtmIn-ID:INHYD-----AREAh-QFEARcm-TpeakDate hh:mm-----Rvm-R-C-----DWFms
008461 CONTINUOUS NASHYD 5.0 01:21:4 .64 .000 1969.0819 8:10 90.06 .518 .000
008471 (Cm 46.0; N= 3.00; Tpe= .43)
008481 [IAREC=24.00; EMIN=109.74; SMAX=731.60; SR= 100]
008491 [InterEventTime= 24.00]
008501 *****
008511 # EXT5
008521 *****
008531 R1969:CO008-----DtmIn-ID:INHYD-----AREAh-QFEARcm-TpeakDate hh:mm-----Rvm-R-C-----DWFms
008541 CONTINUOUS NASHYD 5.0 01:21:5 1.55 .029 1969.0819 8:10 98.47 .173 .000
008551 (Cm 56.0; N= 3.00; Tpe= .44)
008561 [IAREC=24.00; EMIN= 79.69; SMAX=531.24; SR= 100]
008571 [InterEventTime= 24.00]
008581 *****
008591 # M1
008601 *****
008611 R1969:CO009-----DtmIn-ID:INHYD-----AREAh-QFEARcm-TpeakDate hh:mm-----Rvm-R-C-----DWFms
008621 CONTINUOUS NASHYD 5.0 01:21 111.89 .872 1969.0819 9:15 102.39 .180 .000
008631 (Cm 59.0; N= 3.00; Tpe= 1.71)
008641 [IAREC=24.00; EMIN= 70.11; SMAX=467.39; SR= 100]
008651 [InterEventTime= 24.00]
008661 *****
008671 # M2
008681 *****
008691 R1969:CO010-----DtmIn-ID:INHYD-----AREAh-QFEARcm-TpeakDate hh:mm-----Rvm-R-C-----DWFms
008701 CONTINUOUS NASHYD 5.0 01:21 159.73 .892 1969.0819 10:10 94.75 .166 .000
008711 (Cm 53.0; N= 3.00; Tpe= 3.12)
008721 [IAREC=24.00; EMIN= 91.01; SMAX=606.70; SR= 100]
008731 [InterEventTime= 24.00]
008741 *****
008751 # M3
008761 *****
008771 R1969:CO011-----DtmIn-ID:INHYD-----AREAh-QFEARcm-TpeakDate hh:mm-----Rvm-R-C-----DWFms
008781 CONTINUOUS NASHYD 5.0 01:23 39.07 .221 1969.0819 9:15 87.81 .154 .000
008791 (Cm 46.0; N= 3.00; Tpe= 1.68)
008801 [IAREC=24.00; EMIN=131.15; SMAX=807.93; SR= 100]
008811 [InterEventTime= 24.00]
008821 *****
008831 # M4
008841 *****
008851 R1969:CO012-----DtmIn-ID:INHYD-----AREAh-QFEARcm-TpeakDate hh:mm-----Rvm-R-C-----DWFms
008861 CONTINUOUS NASHYD 5.0 01:24 50.96 .317 1969.0819 9:25 94.75 .166 .000
008871 (Cm 56.0; N= 3.00; Tpe= 1.67)
008881 [IAREC=24.00; EMIN= 91.01; SMAX=606.70; SR= 100]
008891 [InterEventTime= 24.00]
008901 *****
008911 # M5
008921 *****
008931 R1969:CO013-----DtmIn-ID:INHYD-----AREAh-QFEARcm-TpeakDate hh:mm-----Rvm-R-C-----DWFms
008941 CONTINUOUS NASHYD 5.0 01:25 56.26 .365 1969.0819 9:30 98.47 .173 .000
008951 (Cm 57.0; N= 3.00; Tpe= 2.49)
008961 [IAREC=24.00; EMIN= 79.69; SMAX=531.24; SR= 100]
008971 [InterEventTime= 24.00]
008981 *****
008991 # M6
009001 *****
009011 R1969:CO014-----DtmIn-ID:INHYD-----AREAh-QFEARcm-TpeakDate hh:mm-----Rvm-R-C-----DWFms
009021 CONTINUOUS NASHYD 5.0 01:26 79.25 .796 1969.0819 9:10 120.74 .212 .000
009031 (Cm 62.0; N= 3.00; Tpe= 1.83)
009041 [IAREC=24.00; EMIN= 61.90; SMAX=412.66; SR= 100]
009051 [InterEventTime= 24.00]
009061 *****
009071 # M7
009081 *****
009091 R1969:CO015-----DtmIn-ID:INHYD-----AREAh-QFEARcm-TpeakDate hh:mm-----Rvm-R-C-----DWFms
009101 CONTINUOUS NASHYD 5.0 01:27 41.24 .441 1969.0819 9:30 131.66 .231 .000
009111 (Cm 75.0; N= 3.00; Tpe= 2.29)
009121 [IAREC=24.00; EMIN= 33.81; SMAX=225.43; SR= 100]
009131 [InterEventTime= 24.00]
009141 *****
009151 # M8
009161 *****
009171 R1969:CO016-----DtmIn-ID:INHYD-----AREAh-QFEARcm-TpeakDate hh:mm-----Rvm-R-C-----DWFms
009181 CONTINUOUS NASHYD 5.0 01:28 14.26 .229 1969.0819 4:50 137.77 .242 .000
009191 (Cm 78.0; N= 3.00; Tpe= 1.11)
009201 [IAREC=24.00; EMIN= 39.88; SMAX=199.22; SR= 100]
009211 [InterEventTime= 24.00]
009221 *****
009231 # M9
009241 *****
009251 R1969:CO017-----DtmIn-ID:INHYD-----AREAh-QFEARcm-TpeakDate hh:mm-----Rvm-R-C-----DWFms
009261 CONTINUOUS NASHYD 5.0 01:29 24.24 .339 1969.0819 4:50 125.98 .221 .000
009271 (Cm 79.0; N= 3.00; Tpe= 1.33)
009281 [IAREC=24.00; EMIN= 38.18; SMAX=254.55; SR= 100]
009291 [InterEventTime= 24.00]
009301 *****
009311 # SITE
009321 *****
009331 R1969:CO018-----DtmIn-ID:INHYD-----AREAh-QFEARcm-TpeakDate hh:mm-----Rvm-R-C-----DWFms
009341 CONTINUOUS STANHYD 5.0 01:31 60.48 2.309 1969.0819 4:00 288.39 .506 .000
009351 (Cm= 63;Tm= 65)
009361 (Rtortn parameters: Fw= 76.20;Fz= 13.20;DCA= 14.14; Fz= .00)
009371 (Frc= 2.0; Area= 4.0; SLF= 2.0; LGR= 40.0; MINT= 250; SBC= .0)
009381 (Impervious area: IAMP= 1.57; SLF= 2.0; LOG= 635.0; MINT= 0.13; SBC= .0)
009391 [IAREC= 10.00; IAREC= 24.00]
009401 *****
009411 # T1
009421 *****
009431 R1969:CO019-----DtmIn-ID:INHYD-----AREAh-QFEARcm-TpeakDate hh:mm-----Rvm-R-C-----DWFms
009441 CONTINUOUS NASHYD 5.0 01:31 79.25 .796 1969.0819 9:10 120.74 .212 .000
009451 (Cm 70.0; N= 3.00; Tpe= 1.64)
009461 [IAREC=24.00; EMIN= 43.07; SMAX=287.10; SR= 100]
009471 [InterEventTime= 24.00]
009481 *****
009491 # T2
009501 *****
009511 R1969:CO020-----DtmIn-ID:INHYD-----AREAh-QFEARcm-TpeakDate hh:mm-----Rvm-R-C-----DWFms
009521 CONTINUOUS NASHYD 5.0 01:32 105.82 .952 1969.0819 9:30 124.20 .218 .000
009531 (Cm 72.0; N= 3.00; Tpe= 2.34)
009541 [IAREC=24.00; EMIN= 39.75; SMAX=264.99; SR= 100]
009551 [InterEventTime= 24.00]
009561 *****
009571 # T3
009581 *****
009591 R1969:CO021-----DtmIn-ID:INHYD-----AREAh-QFEARcm-TpeakDate hh:mm-----Rvm-R-C-----DWFms
009601 CONTINUOUS NASHYD 5.0 01:32 60.50 .563 1969.0819 9:45 120.74 .212 .000
009611 (Cm 70.0; N= 3.00; Tpe= .87)
009621 [IAREC=24.00; EMIN= 43.07; SMAX=287.10; SR= 100]
009631 [InterEventTime= 24.00]
009641 *****
009651 # T4
009661 *****
009671 R1969:CO022-----DtmIn-ID:INHYD-----AREAh-QFEARcm-TpeakDate hh:mm-----Rvm-R-C-----DWFms
009681 CONTINUOUS NASHYD 5.0 01:34 65.89 .657 1969.0819 9:15 124.20 .218 .000
009691 (Cm 72.0; N= 3.00; Tpe= 1.76)
009701 [IAREC=24.00; EMIN= 39.75; SMAX=264.99; SR= 100]
009711 [InterEventTime= 24.00]
009721 *****
009731 # T5
009741 *****
009751 R1969:CO023-----DtmIn-ID:INHYD-----AREAh-QFEARcm-TpeakDate hh:mm-----Rvm-R-C-----DWFms
009761 CONTINUOUS NASHYD 5.0 01:35 171.81 1.103 1969.0819 10:00 109.57 .192 .000
009771 (Cm 72.0; N= 3.00; Tpe= 1.81)
009781 [IAREC=24.00; EMIN= 57.05; SMAX=380.32; SR= 100]
009791 [InterEventTime= 24.00]
009801 *****
009811 # T6
009821 *****
009831 R1969:CO024-----DtmIn-ID:INHYD-----AREAh-QFEARcm-TpeakDate hh:mm-----Rvm-R-C-----DWFms
009841 CONTINUOUS NASHYD 5.0 01:36 60.20 .515 1969.0819 9:50 115.69 .238 .000
009851 (Cm 72.0; N= 3.00; Tpe= .88)
009861 [IAREC=24.00; EMIN= 31.15; SMAX=207.66; SR= 100]
009871 [InterEventTime= 24.00]
009881 *****
009891 # T7
009901 *****
009911 R1969:CO025-----DtmIn-ID:INHYD-----AREAh-QFEARcm-TpeakDate hh:mm-----Rvm-R-C-----DWFms
009921 CONTINUOUS NASHYD 5.0 01:37 60.50 .563 1969.0819 9:45 124.20 .218 .000
009931 (Cm 72.0; N= 3.00; Tpe= 2.63)
009941 [IAREC=24.00; EMIN= 39.75; SMAX=264.99; SR= 100]
009951 [InterEventTime= 24.00]
009961 *****
009971 R1969:CO026-----DtmIn-ID:INHYD-----AREAh-QFEARcm-TpeakDate hh:mm-----Rvm-R-C-----DWFms
009981 ROUTE CHANNEL -> 5.0 02:01 111.89 .872 1969.0819 9:15 102.39 n/a .000
009991 (L/S= 5.00 out<- 5.0 01:31 111.89 .664 1969.0819 10:10 102.38 n/a .000)
010001 (Vmax= 311;Dmax= 423)
010011 *****
010021 R1969:CO027-----DtmIn-ID:INHYD-----AREAh-QFEARcm-TpeakDate hh:mm-----Rvm-R-C-----DWFms
010031 ADD HYD + 5.0 02:01 111.89 .664 1969.0819 10:10 102.38 n/a .000
010041 + 5.0 02:02 119.73 .582 1969.0819 10:10 94.75 n/a .000
010051 + 5.0 02:03 39.07 .229 1969.0819 9:15 87.81 n/a .000
010061 SUM= 5.0 01:32 270.69 1.433 1969.0819 9:55 96.90 n/a .000
010071 *****
010081 R1969:CO028-----DtmIn-ID:INHYD-----AREAh-QFEARcm-TpeakDate hh:mm-----Rvm-R-C-----DWFms
010091 ROUTE CHANNEL -> 5.0 02:12 270.69 1.433 1969.0819 9:55 96.90 n/a .000
010101 (L/S= 5.00 out<- 5.0 01:32 270.69 1.425 1969.0819 10:10 96.90 n/a .000)
010111 (Vmax= 490;Dmax= 384)
010121 *****
010131 R1969:CO029-----DtmIn-ID:INHYD-----AREAh-QFEARcm-TpeakDate hh:mm-----Rvm-R-C-----DWFms
010141 ADD HYD + 5.0 02:02 270.69 1.425 1969.0819 10:10 96.90 n/a .000
010151 + 5.0 02:04 30.96 .317 1969.0819 9:25 94.75 n/a .000
010161 SUM= 5.0 01:32 321.65 1.718 1969.0819 9:55 96.96 n/a .000
010171 *****
010181 R1969:CO030-----DtmIn-ID:INHYD-----AREAh-QFEARcm-TpeakDate hh:mm-----Rvm-R-C-----DWFms
010191 ROUTE CHANNEL -> 5.0 02:12 321.65 1.718 1969.0819 9:55 96.96 n/a .000
010201 (L/S= 5.00 out<- 5.0 01:33 321.65 1.669 1969.0819 10:20 96.96 n/a .000)
010211 (Vmax= 338;Dmax= 300)
010221 *****
010231 R1969:CO031-----DtmIn-ID:INHYD-----AREAh-QFEARcm-TpeakDate hh:mm-----Rvm-R-C-----DWFms
010241 ADD HYD + 5.0 02:05 56.26 .365 1969.0819 9:30 98.47 n/a .000
010251 + 5.0 02:14 377.93 2.000 1969.0819 10:05 96.85 n/a .000
010261 SUM= 5.0 01:24 377.93 2.000 1969.0819 10:05 96.85 n/a .000
010271 *****
010281 R1969:CO032-----DtmIn-ID:INHYD-----AREAh-QFEARcm-TpeakDate hh:mm-----Rvm-R-C-----DWFms
010291 ROUTE CHANNEL -> 5.0 02:14 377.93 2.000 1969.0819 10:05 96.85 n/a .000
010301 (L/S= 5.00 out<- 5.0 01:23 377.93 1.977 1969.0819 12:35 96.84 n/a .000)
010311 (Vmax= 484;Dmax= 405)
010321 *****
010331 R1969:CO033-----DtmIn-ID:INHYD-----AREAh-QFEARcm-TpeakDate hh:mm-----Rvm-R-C-----DWFms
010341 ADD HYD + 5.0 02:02:1 60.46 .379 1969.0819 9:15 92.37 .162 .000
010351 + 5.0 02:02:2 1.62 .029 1969.0819 9:35 108.09 n/a .000
010361 + 5.0 02:02:3 17.96 .144 1969.0819 9:10 102.39 n/a .000
010371 + 5.0 02:02:4 .64 .000 1969.0819 8:10 90.06 n/a .000
010381 + 5.0 02:02:5 3.55 .028 1969.0819 8:10 98.47 n/a .000
010391 + 5.0 02:02:6 60.48 2.309 1969.0819 4:00 288.39 n/a .000
010401 + 5.0 02:02:7 148.73 2.482 1969.0819 4:00 174.16 n/a .000
010411 SUM= 5.0 02:02:1 321.65 1.669 1969.0819 9:15 96.96 n/a .000
010421 *****
010431 R1969:CO034-----DtmIn-ID:INHYD-----AREAh-QFEARcm-TpeakDate hh:mm-----Rvm-R-C-----DWFms
010441 SAVV HYD + 5.0 01:00:00 148.73 .627 1969.0819 9:15 174.15 n/a .000
010451 *****
010461 remark:Total post dev flows From Site
010471 R1969:CO035-----DtmIn-ID:INHYD-----AREAh-QFEARcm-TpeakDate hh:mm-----Rvm-R-C-----DWFms
010481 ADD HYD + 5.0 02:05 377.93 1.977 1969.0819 10:25 96.84 n/a .000
010491 + 5.0 02:00:00 148.73 .627 1969.0819 9:15 174.15 n/a .000
010501 + 5.0 02:00:00 .00 .000 1969.0819 10:20 118.67 n/a .000
010511 SUM= 5.0 01:07 526.62 2.576 1969.0819 10:20 118.67 n/a .000
010521 *****
010531 R1969:CO037-----DtmIn-ID:INHYD-----AREAh-QFEARcm-TpeakDate hh:mm-----Rvm-R-C-----DWFms
010541 ROUTE CHANNEL -> 5.0 02:07 526.62 2.576 1969.0819 10:20 118.67 n/a .000
010551 (L/S= 5.00 out<- 5.0 01:30 526.62 2.564 1969.0819 10:30 118.67 n/a .000)
010561 (Vmax= 386;Dmax= 349)
010571 *****
010581 R1969:CO038-----DtmIn-ID:INHYD-----AREAh-QFEARcm-TpeakDate hh:mm-----Rvm-R-C-----DWFms
010591 ADD HYD + 5.0 02:10 526.62 2.564 1969.0819 10:30 118.67 n/a .000
010601 + 5.0 02:12 25.62 .205 1969.0819 9:15 106.63 n/a .000
010611 + 5.0 02:18 14.26 .229 1969.0819 4:50 137.77 n/a .000
010621 SUM= 5.0 01:12 566.50 2.809 1969.0819 10:10 118.61 n/a .000
010631 *****
010641 BROSTON INDEX 5.0 01:12 566.50 2.809 1969.0819 10:10 118.61 n/a .000
010651 (CFC= 175)
010661 *****
010671 R1969:CO040-----DtmIn-ID:INHYD-----AREAh-QFEARcm-TpeakDate hh:mm-----Rvm-R-C-----DWFms
010681 SAVV HYD + 5.0 01:12 566.50 2.809 1969.0819 10:10 118.61 n/a .000
010691 *****
010701 remark:112 GOK Erosion Mode MC-3
010711 R1969:CO041-----DtmIn-ID:INHYD-----AREAh-QFEARcm-TpeakDate hh:mm-----Rvm-R-C-----DWFms
010721 ROUTE CHANNEL -> 5.0 01:11 566.50 2.709 1969.0819 10:40 118.61 n/a .000
010731 (L/S= 1182./ .100/.035)
010741 (Vmax= 399;Dmax= 461)
010751 *****
010761 R1969:CO042-----DtmIn-ID:INHYD-----AREAh-QFEARcm-TpeakDate hh:mm-----Rvm-R-C-----DWFms
010771 ADD HYD + 5.0 02:21 79.25 .796 1969.0819 9:10 120.74 n/a .000
010781 + 5.0 02:22 109.81 .852 1969.0819 9:30 124.20 n/a .000
010791 + 5.0 02:23 120.55 .229 1969.0819 11:40 129.84 n/a .000
010801 SUM= 5.0 01:12 201.11 1.742 1969.0819 12:35 131.82 n/a .000
010811 *****
010821 R1969:CO043-----DtmIn-ID:INHYD-----AREAh-QFEARcm-TpeakDate hh:mm-----Rvm-R-C-----DWFms
010831 ROUTE CHANNEL -> 5.0 02:13 201.11 1.742 1969.0817 12:35 131.82 n/a .000

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01081 * [RDF= 5.00] out<- 5.0 01:1812 201.11 1.820 1969.0819 9:25 122.63 n/a .000
01082 [L/S= 102./ 100./035]
01083 [Vmax= 645./0max= .881]
01084 R1969-C0004-----DtnIn-ID:HYD-----AREAh-QFEARms-TpeakDate hh:mm-----Rvm-R-C-----DWfms
01085 ADD HYD + 5.0 02:174 65.89 457 1969.0819 9:15 124.20 n/a .000
01086 + 5.0 02:175 171.81 1.103 1969.0819 10:00 109.57 n/a .000
01087 + 5.0 02:182 47.26 443 1969.0819 9:20 121.68 n/a .000
01088 SUM= 5.0 01:214 438.81 3.535 1969.0819 9:25 117.75 n/a .000
01089 R1969-C0004-----DtnIn-ID:HYD-----AREAh-QFEARms-TpeakDate hh:mm-----Rvm-R-C-----DWfms
01090 ROUTE CHANNEL -> 5.0 01:214 438.81 3.535 1969.0819 9:25 117.75 n/a .000
01091 * [RDF= 5.00] out<- 5.0 01:813 438.81 3.536 1969.0819 11:15 117.75 n/a .000
01092 [L/S= 102./ 100./035]
01093 [Vmax= 373./0max= 1.080]
01094 R1969-C0004-----DtnIn-ID:HYD-----AREAh-QFEARms-TpeakDate hh:mm-----Rvm-R-C-----DWfms
01095 ADD HYD + 5.0 02:174 65.89 457 1969.0819 9:15 124.20 n/a .000
01096 + 5.0 02:175 171.81 1.103 1969.0819 10:00 109.57 n/a .000
01097 + 5.0 02:182 47.26 443 1969.0819 9:20 121.68 n/a .000
01098 + 5.0 02:181 566.50 2.709 1969.0819 10:40 118.61 n/a .000
01099 + 5.0 02:183 438.81 3.536 1969.0819 11:15 117.75 n/a .000
01100 SUM= 5.0 01:215 1181.27 7.407 1969.0819 10:05 120.01 n/a .000
01101 R1969-C0004-----DtnIn-ID:HYD-----AREAh-QFEARms-TpeakDate hh:mm-----Rvm-R-C-----DWfms
01102 ROUTE CHANNEL -> 5.0 02:115 1181.27 7.407 1969.0819 10:05 120.01 n/a .000
01103 * [RDF= 5.00] out<- 5.0 01:814 1181.27 7.312 1969.0819 10:20 120.01 n/a .000
01104 [L/S= 556./ 100./035]
01105 [Vmax= 490./0max= .955]
01106 R1969-C0004-----DtnIn-ID:HYD-----AREAh-QFEARms-TpeakDate hh:mm-----Rvm-R-C-----DWfms
01107 ADD HYD + 5.0 02:184 1181.27 7.312 1969.0819 10:20 120.01 n/a .000
01108 + 5.0 02:184 1181.27 7.312 1969.0819 10:20 120.01 n/a .000
01109 SUM= 5.0 01:007 1205.51 7.450 1969.0819 10:10 120.13 n/a .000
01110 *****
01111 *****
01112 *****
01113 *****
01114 *****
01115 *****
01116 *****
01117 *****
01118 *****
01119 *****
01120 RVM-COMMAND#
01121 R1970-C0000-----DtnIn-ID:HYD-----AREAh-QFEARms-TpeakDate hh:mm-----Rvm-R-C-----DWfms
01122 START
01123 [TZERO = .00 hrs on 19700101]
01124 [MEXPORT = 1 (=imperial, 2=metric output)]
01125 [MEXPORT = 0]
01126 [MUN = 1970]
01127 *****
01128 * $BWHYNO / INPUT DATA FILE
01129 *****
01130 # Project Name : [Tamarack Richmond]
01131 # Project Number: [R2001(e01)]
01132 # Date : [02/25 Jun 1970]
01133 # Modeler : [JM and CS]
01134 # Company : [JFSa Inc.]
01135 # License #: [25492]
01136 *****
01137 # SUMMER CONDITIONS
01138 # Model developed to simulate runoff from subcatchments under pre development conditions
01139 *****
01140 *****
01141 *****
01142 # CNAME TotalRain: 19700215 19700216 19700217 19700218 19700219 19700220
01143 R1970-C0002-----DtnIn-ID:HYD-----AREAh-QFEARms-TpeakDate hh:mm-----Rvm-R-C-----DWfms
01144 # READ ARE DATA
01145 [Filename = YOM 1967-2016.txt ]
01146 [Start_date= 1970.0101; End_date= 1970.1231]
01147 [DTM 60:min; Length= 8760.00; NetArea= 3733.00; Dwykes= 8387; PTO= 558.90]
01148 Maximum average rainfall intensities over
01149 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
01150 35.30 38.30 32.20 6.10 3.68 1.81 1.23 1.46 .89 mm/hr
01151 35.30 36.60 36.60 36.60 43.50 43.50 69.90 71.20 mm/hr
01152 19700227 19700227 19700227 19700227 19700228 19700228 19700228 19700228 date
01153 Number of rainfall events per following interevent time
01154 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
01155 148 127 84 72 60 54 41 30
01156 Number of events with at least the following durations
01157 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
01158 147 79 40 15 3 0 0 0 0
01159 R1970-C0003-----DtnIn-ID:HYD-----AREAh-QFEARms-TpeakDate hh:mm-----Rvm-R-C-----DWfms
01160 CONCRETE API
01161 [APIIn= 40.00; APIkty= 8000; APIkrc= 9400]
01162 [APIIn= 70; APIkty= 7.88; APIkrc= .00]
01163 *****
01164 # Pre-Development Conditions
01165 *****
01166 *****
01167 *****
01168 # EXT
01169 *****
01170 R1970-C0004-----DtnIn-ID:HYD-----AREAh-QFEARms-TpeakDate hh:mm-----Rvm-R-C-----DWfms
01171 CONTINUOUS NASHYD 5.0 01:EXT1 60.46 402 1970.0927 4:35 93.88 168 .000
01172 [CN= 50.0; N= 3.00; Tpe= 1.71]
01173 [IAREC=24.00; SMINE= 99.77; SMAX=65.12; SK= 100]
01174 [InterEventTime= 24.00]
01175 *****
01176 # EXT2
01177 *****
01178 R1970-C0005-----DtnIn-ID:HYD-----AREAh-QFEARms-TpeakDate hh:mm-----Rvm-R-C-----DWfms
01179 CONTINUOUS NASHYD 5.0 01:EXT2 7.62 127 1970.0927 3:40 107.44 192 .000
01180 [CN= 61.0; N= 3.00; Tpe= .96]
01181 [IAREC=24.00; SMINE= 59.42; SMAX=396.11; SK= 100]
01182 [InterEventTime= 24.00]
01183 *****
01184 # EXT
01185 *****
01186 R1970-C0006-----DtnIn-ID:HYD-----AREAh-QFEARms-TpeakDate hh:mm-----Rvm-R-C-----DWfms
01187 CONTINUOUS NASHYD 5.0 01:EXT3 17.96 162 1970.0927 4:25 102.60 184 .000
01188 [CN= 59.0; N= 3.00; Tpe= 1.64]
01189 [IAREC=24.00; SMINE= 70.11; SMAX=467.39; SK= 100]
01190 [InterEventTime= 24.00]
01191 *****
01192 # EXT4
01193 *****
01194 R1970-C0007-----DtnIn-ID:HYD-----AREAh-QFEARms-TpeakDate hh:mm-----Rvm-R-C-----DWfms
01195 CONTINUOUS NASHYD 5.0 01:EXT4 39.07 234 1970.0927 4:30 90.00 161 .000
01196 [CN= 48.0; N= 3.00; Tpe= .43]
01197 [IAREC=24.00; SMINE= 109.74; SMAX=731.60; SK= 100]
01198 [InterEventTime= 24.00]
01199 *****
02000 # EXT5
02001 *****
02002 R1970-C0008-----DtnIn-ID:HYD-----AREAh-QFEARms-TpeakDate hh:mm-----Rvm-R-C-----DWfms
02003 CONTINUOUS NASHYD 5.0 01:EXT5 1.95 039 1970.0927 3:15 99.19 177 .000
02004 [CN= 56.0; N= 3.00; Tpe= .44]
02005 [IAREC=24.00; SMINE= 69.69; SMAX=531.24; SK= 100]
02006 [InterEventTime= 24.00]
02007 *****
02008 # M1
02009 *****
02010 R1970-C0009-----DtnIn-ID:HYD-----AREAh-QFEARms-TpeakDate hh:mm-----Rvm-R-C-----DWfms
02011 CONTINUOUS NASHYD 5.0 01:M1 111.89 971 1970.0927 4:30 102.60 184 .000
02012 [CN= 50.0; N= 3.00; Tpe= 1.71]
02013 [IAREC=24.00; SMINE= 70.11; SMAX=467.39; SK= 100]
02014 [InterEventTime= 24.00]
02015 *****
02106 # M2
02107 *****
02108 R1970-C0010-----DtnIn-ID:HYD-----AREAh-QFEARms-TpeakDate hh:mm-----Rvm-R-C-----DWfms
02109 CONTINUOUS NASHYD 5.0 01:M2 119.73 499 1970.0927 5:55 95.94 172 .000
02110 [CN= 50.0; N= 3.00; Tpe= 1.82]
02111 [IAREC=24.00; SMINE= 91.01; SMAX=606.70; SK= 100]
02112 [InterEventTime= 24.00]
02113 *****
02122 # M3
02123 *****
02124 R1970-C0011-----DtnIn-ID:HYD-----AREAh-QFEARms-TpeakDate hh:mm-----Rvm-R-C-----DWfms
02125 CONTINUOUS NASHYD 5.0 01:M3 39.07 234 1970.0927 4:30 90.00 161 .000
02126 [CN= 46.0; N= 3.00; Tpe= 1.68]
02127 [IAREC=24.00; SMINE= 121.19; SMAX=807.93; SK= 100]
02128 [InterEventTime= 24.00]
02129 *****
02131 # M4
02132 *****
02133 R1970-C0012-----DtnIn-ID:HYD-----AREAh-QFEARms-TpeakDate hh:mm-----Rvm-R-C-----DWfms
02134 CONTINUOUS NASHYD 5.0 01:M4 56.26 372 1970.0927 4:55 99.19 177 .000
02135 [CN= 50.0; N= 3.00; Tpe= 1.95]
02136 [IAREC=24.00; SMINE= 70.11; SMAX=467.39; SK= 100]
02137 [InterEventTime= 24.00]
02138 *****
02139 # M5
02140 *****
02141 R1970-C0013-----DtnIn-ID:HYD-----AREAh-QFEARms-TpeakDate hh:mm-----Rvm-R-C-----DWfms
02142 CONTINUOUS NASHYD 5.0 01:M5 56.26 372 1970.0927 4:55 99.19 177 .000
02143 [CN= 56.0; N= 3.00; Tpe= 2.09]
02144 [IAREC=24.00; SMINE= 79.65; SMAX=531.24; SK= 100]
02145 [InterEventTime= 24.00]
02146 *****
02147 # M6
02148 *****
02149 R1970-C0014-----DtnIn-ID:HYD-----AREAh-QFEARms-TpeakDate hh:mm-----Rvm-R-C-----DWfms
02150 CONTINUOUS NASHYD 5.0 01:M6 25.62 226 1970.0927 4:40 106.20 190 .000
02151 [CN= 50.0; N= 3.00; Tpe= 1.82]
02152 [IAREC=24.00; SMINE= 61.90; SMAX=412.66; SK= 100]
02153 [InterEventTime= 24.00]
02154 *****
02155 # M7
02156 *****
02157 R1970-C0015-----DtnIn-ID:HYD-----AREAh-QFEARms-TpeakDate hh:mm-----Rvm-R-C-----DWfms
02158 CONTINUOUS NASHYD 5.0 01:M7 47.26 478 1970.0927 5:05 127.97 229 .000
02159 [CN= 75.0; N= 3.00; Tpe= 2.83]

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01441 1/S/m 1015 / .100 / .035
01442 (Vmax = 373;Imax= 427)
01443 191701C00046-----DtmIn-ID:HNVD-----AREAh-QFEARcm-TPeakDate hh:mm-----RvMm-R-C-----DWfms
01444 ADD HYD + 5.0 02176 60.20 .493 1970.0927 5.45 131.45 n/a .000
01445 [IARC=24.00; SMIN= 38.18; SMAX=254.55; SR= 1.00]
01446 + 5.0 02187 47.26 .478 1970.0927 5.05 127.97 n/a .000
01447 [IARC=24.00; SMIN= 38.18; SMAX=254.55; SR= 1.00]
01448 + 5.0 02183 438.81 3.332 1970.0927 5.30 115.81 n/a .000
01449 [IARC=24.00; SMIN= 38.18; SMAX=254.55; SR= 1.00]
01450 191701C00047-----DtmIn-ID:HNVD-----AREAh-QFEARcm-TPeakDate hh:mm-----RvMm-R-C-----DWfms
01451 ROUTE CHANNEL -> 5.0 02115 1181.27 6.764 1970.0927 5.40 118.93 n/a .000
01452 [IARC=24.00; SMIN= 38.18; SMAX=254.55; SR= 1.00]
01453 (Vmax = 556 / .100 / .035)
01454 (Vmax = 472;Imax= 432)
01455 191701C00048-----DtmIn-ID:HNVD-----AREAh-QFEARcm-TPeakDate hh:mm-----RvMm-R-C-----DWfms
01456 ADD HYD + 5.0 02189 24.24 .440 1970.0927 3.55 123.02 n/a .000
01457 [IARC=24.00; SMIN= 38.18; SMAX=254.55; SR= 1.00]
01458 + 5.0 02184 1181.27 6.472 1970.0927 6.05 118.93 n/a .000
01459 SUM= 5.0 01007 1205.51 6.762 1970.0927 6.00 119.02 n/a .000
01460 *****
01461 ** END OF RUN : 1970
01462 *****
01463 *****
01464 *****
01465 *****
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01800 *****

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01801 [RDF= 5.00] out<- 5.0 01:14 1181.27 6.054 1971.0811 0:30 88.96 n/a .000
01802 [I/S/ID]
01803 [Vmax :454;Dmaxx :409]
01804 R1972:00018-----DtmIn-ID:HVND-----AREAh-QFEARcns-TpeakDate hh:mm-----RvMm-R.C-----DWfms
01805 Add strv ----- 24.24 -184 1971.0812 22:25 80.75 n/a .000
01806 [RDF= 5.00] out<- 5.0 02:14 1181.27 6.054 1971.0811 0:30 88.96 n/a .000
01807 [I/S/ID]
01808 [Vmax :454;Dmaxx :409]
01809 *****
01810 ** END OF RUN : 1971
01811
01812
01813
01814
01815
01816
01817
01818 RUN#COMMAN#
01819 R1972:00011-----DtmIn-ID:HVND-----AREAh-QFEARcns-TpeakDate hh:mm-----RvMm-R.C-----DWfms
01820 *****
01821 [TZERO = .00 hrs on 19701201]
01822 [INFORM = 2 [Impairal, 2=meric output]]
01823 [INFORM = 0]
01824 [MUN = 1971]
01825 *****
01826 # SWHYND / INPUT DATA FILE
01827 *****
01828 # Project Name : [Tamarack Richmond]
01829 # Project Number: [P2001 (e01)]
01830 # Date : [2025 JULY 23]
01831 # Modeler : [JM and CS]
01832 # Company : [JFA Canada Inc.]
01833 # License # : 2549237
01834 *****
01835 # SUMMER CONDITIONS MODEL
01836 # Model developed to simulate runoff from subcatchments under pre development conditions
01837 *****
01838 *****
01839 *****
01840 # Ottawa International Airport 9 July 1967 to 01 Nov 2016
01841 R1972:00002-----DtmIn-ID:HVND-----AREAh-QFEARcns-TpeakDate hh:mm-----RvMm-R.C-----DWfms
01842 *****
01843 [Start_date = YOW 1967-2016.txt ]
01844 [Start_date = 1972.0101; End_date = 1972.1230 ]
01845 [DTE 60 min; Length 8760 hrs; Wetters: 489; DryWets: 8271; PFDOT: 784.30 ]
01846 Maximum average rainfall intensities over
01847 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
01848 37.30 19.15 12.97 8.15 4.50 2.53 2.00 1.71 1.17 mm/hr
01849 37.30 38.30 38.90 48.90 54.00 40.70 22.10 82.20 84.20 mm
01850 1972012 1972012 1972088 1972088 1972088 1972013 1972014 1972015 date
01851 Number of rainfall events per following interevent time
01852 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
01853 170 133 122 86 76 60 45 41 31
01854 Number of events with at least the following durations
01855 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
01856 169 96 58 21 5 0 0 0 0
01857 R1972:00003-----DtmIn-ID:HVND-----AREAh-QFEARcns-TpeakDate hh:mm-----RvMm-R.C-----DWfms
01858 *****
01859 [APIIn = 40.00; APIKey = -8000; APIExt = .9907]
01860 [APIExt = 78.79; APIKey = -8000]
01861 *****
01862 *****
01863 # Pre-Development Conditions
01864 *****
01865 *****
01866 # EXT1
01867 *****
01868 R1972:00004-----DtmIn-ID:HVND-----AREAh-QFEARcns-TpeakDate hh:mm-----RvMm-R.C-----DWfms
01869 CONTINUOUS NASHVD 5.0 01:EXT1 60.46 .667 1972.0808 6:120 204.56 261 .000
01870 [CNF 50.0; N= 3.00; Tpe = 92]
01871 [IAREC=24.00; SMIN= 99.77; SMAX=665.12; EK= 100]
01872 [InterEventTime = 24.00]
01873 *****
01874 # EXT2
01875 *****
01876 R1972:00005-----DtmIn-ID:HVND-----AREAh-QFEARcns-TpeakDate hh:mm-----RvMm-R.C-----DWfms
01877 CONTINUOUS NASHVD 5.0 01:EXT2 71.62 .190 1972.0808 5:130 224.65 286 .000
01878 [CNF 63.0; N= 3.00; Tpe = 92]
01879 [IAREC=24.00; SMIN= 59.42; SMAX=396.11; EK= 100]
01880 [InterEventTime = 24.00]
01881 *****
01882 # EXT3
01883 *****
01884 R1972:00006-----DtmIn-ID:HVND-----AREAh-QFEARcns-TpeakDate hh:mm-----RvMm-R.C-----DWfms
01885 CONTINUOUS NASHVD 5.0 01:EXT3 37.96 -.960 1972.0808 6:150 217.75 278 .000
01886 [CNF 59.0; N= 3.00; Tpe = 114]
01887 [IAREC=24.00; SMIN= 44.31; SMAX=467.39; EK= 100]
01888 [InterEventTime = 24.00]
01889 *****
01890 *****
01891 *****
01892 R1972:00007-----DtmIn-ID:HVND-----AREAh-QFEARcns-TpeakDate hh:mm-----RvMm-R.C-----DWfms
01893 CONTINUOUS NASHVD 5.0 01:EXT4 .64 .017 1972.0808 5:110 201.54 257 .000
01894 [CNF 48.0; N= 3.00; Tpe = 43]
01895 [IAREC=24.00; SMIN= 91.03; SMAX=731.60; EK= 100]
01896 [InterEventTime = 24.00]
01897 *****
01898 # EXT5
01899 *****
01900 R1972:00008-----DtmIn-ID:HVND-----AREAh-QFEARcns-TpeakDate hh:mm-----RvMm-R.C-----DWfms
01901 CONTINUOUS NASHVD 5.0 01:EXT5 1.55 .050 1972.0808 5:110 212.79 271 .000
01902 [CNF 51.0; N= 3.00; Tpe = 44]
01903 [IAREC=24.00; SMIN= 79.69; SMAX=531.24; EK= 100]
01904 [InterEventTime = 24.00]
01905 *****
01906 # M1
01907 *****
01908 R1972:00009-----DtmIn-ID:HVND-----AREAh-QFEARcns-TpeakDate hh:mm-----RvMm-R.C-----DWfms
01909 CONTINUOUS NASHVD 5.0 01:M1 111.89 1.565 1972.0808 6:150 217.75 278 .000
01910 [CNF 51.0; N= 3.00; Tpe = 73]
01911 [IAREC=24.00; SMIN= 70.11; SMAX=467.39; EK= 100]
01912 [InterEventTime = 24.00]
01913 *****
01914 # M2
01915 *****
01916 R1972:00010-----DtmIn-ID:HVND-----AREAh-QFEARcns-TpeakDate hh:mm-----RvMm-R.C-----DWfms
01917 CONTINUOUS NASHVD 5.0 01:M2 119.73 .992 1972.0808 6:155 208.04 265 .000
01918 [CNF 53.0; N= 3.00; Tpe = 312]
01919 [IAREC=24.00; SMIN= 99.01; SMAX=606.70; EK= 100]
01920 [InterEventTime = 24.00]
01921 *****
01922 # M3
01923 *****
01924 R1972:00011-----DtmIn-ID:HVND-----AREAh-QFEARcns-TpeakDate hh:mm-----RvMm-R.C-----DWfms
01925 CONTINUOUS NASHVD 5.0 01:M3 39.05 -.991 1972.0808 6:15 198.58 233 .000
01926 [CNF 46.0; N= 3.00; Tpe = 168]
01927 [IAREC=24.00; SMIN= 80.73; SMAX=807.93; EK= 100]
01928 [InterEventTime = 24.00]
01929 *****
01930 # M4
01931 *****
01932 R1972:00012-----DtmIn-ID:HVND-----AREAh-QFEARcns-TpeakDate hh:mm-----RvMm-R.C-----DWfms
01933 CONTINUOUS NASHVD 5.0 01:M4 50.96 .548 1972.0808 6:135 208.04 265 .000
01934 [CNF 51.0; N= 3.00; Tpe = 195]
01935 [IAREC=24.00; SMIN= 91.03; SMAX=606.70; EK= 100]
01936 [InterEventTime = 24.00]
01937 *****
01938 # M5
01939 *****
01940 R1972:00013-----DtmIn-ID:HVND-----AREAh-QFEARcns-TpeakDate hh:mm-----RvMm-R.C-----DWfms
01941 CONTINUOUS NASHVD 5.0 01:M5 56.26 .623 1972.0808 6:150 212.79 271 .000
01942 [CNF 56.0; N= 3.00; Tpe = 209]
01943 [IAREC=24.00; SMIN= 79.69; SMAX=531.24; EK= 100]
01944 [InterEventTime = 24.00]
01945 *****
01946 # M6
01947 *****
01948 R1972:00014-----DtmIn-ID:HVND-----AREAh-QFEARcns-TpeakDate hh:mm-----RvMm-R.C-----DWfms
01949 CONTINUOUS NASHVD 5.0 01:M6 25.62 .364 1972.0808 6:125 222.89 284 .000
01950 [CNF 62.0; N= 3.00; Tpe = 83]
01951 [IAREC=24.00; SMIN= 61.90; SMAX=412.66; EK= 100]
01952 [InterEventTime = 24.00]
01953 *****
01954 # M7
01955 *****
01956 R1972:00015-----DtmIn-ID:HVND-----AREAh-QFEARcns-TpeakDate hh:mm-----RvMm-R.C-----DWfms
01957 CONTINUOUS NASHVD 5.0 01:M7 47.26 .152 1972.0808 7:100 236.37 328 .000
01958 [CNF 75.0; N= 3.00; Tpe = 229]
01959 [IAREC=24.00; SMIN= 33.81; SMAX=225.43; EK= 100]
01960 [InterEventTime = 24.00]
01961 *****
01962 # M8
01963 *****
01964 R1972:00016-----DtmIn-ID:HVND-----AREAh-QFEARcns-TpeakDate hh:mm-----RvMm-R.C-----DWfms
01965 CONTINUOUS NASHVD 5.0 01:M8 34.45 -.418 1972.0808 5:40 284.90 338 .000
01966 [CNF 78.0; N= 3.00; Tpe = 113]
01967 [IAREC=24.00; SMIN= 199.22; EK= 100]
01968 [InterEventTime = 24.00]
01969 *****
01970 # M9
01971 *****
01972 R1972:00017-----DtmIn-ID:HVND-----AREAh-QFEARcns-TpeakDate hh:mm-----RvMm-R.C-----DWfms
01973 CONTINUOUS NASHVD 5.0 01:M9 24.24 .644 1972.0808 5:40 249.34 318 .000
01974 [CNF 71.0; N= 3.00; Tpe = 133]
01975 [IAREC=24.00; SMIN= 81.16; SMAX=254.55; EK= 100]
01976 [InterEventTime = 24.00]
01977 *****
01978 # SITE
01979 *****
01980 R1972:00018-----DtmIn-ID:HVND-----AREAh-QFEARcns-TpeakDate hh:mm-----RvMm-R.C-----DWfms
01981 *****
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02521 [INFOFORM 0 ]
02522 [NRUN = 194 ]
02523 *****
02524 # SWMMINFO / INPUT DATA FILE
02525 # *****
02526 # Project Name : [Tamarack Richmond]
02527 # Project Number : [200116011]
02528 # Date : [2025 JULY 23]
02529 # Modeler : [JFM and GSI]
02530 # Company : [JFSA Canada Inc.]
02531 # License # : [254937]
02532 *****
02533 # SUMMER CONDITIONS MODEL
02534 # Model developed to simulate runoff from subcatchments under pre development conditions
02535 # *****
02536 #*****
02537 #*****
02538 # Ottawa International Airport - 19 July 1967 to 01 Nov 2016
02539 R1974:C0002
02540 # READ AREA DATA
02541 [Filename = YOM 1967-2016.txt ]
02542 [Start date= 1974.0101; End date= 1974.1231]
02543 [D% 60.min; Length= 8760.hrs; WetHrs= 3200; DryHrs= 8440; PFD% = 386.20]
02544 Maximum average rainfall intensities over:
02545 1 hr 2 hrs 3 hrs 4 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
02546 20.60 15.40 10.37 5.18 2.98 1.63 1.08 .81 .54 mm/hr
02547 20.60 20.00 21.10 21.10 35.70 39.60 39.00 39.00 mm
02548 19740719 19740719 19740719 19740719 19740305 19740306 19740306 19740307
02549 Number of rainfall events per following interevent time
02550 1 hr 2 hrs 3 hrs 4 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
02551 129 105 93 77 63 30 38 33 23
02552 Number of events with at least the following durations
02553 1 hr 2 hrs 3 hrs 4 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
02554 128 66 32 10 3 0 0 0 0 0
02555 *****
02556 R1974:C0003
02557 # COMPUTE APT
02558 [APFIn= 40.00; APFkdy= 8000; APFkdx= 9907]
02559 [APFmax= 40.00; APFavg= 5.25; APFmin= .00]
02560 *****
02561 # Pre-Development Conditions
02562 #*****
02563 # EXT1
02564 #*****
02565 R1974:C0004 -----DTime-ID:HYVD-----AREAH-A-PEAKS-TPeakDate h:m:s-----RvM-R-C-----DWfms
02566 [Cm= 53.0; N= 3.00; Tpe= 1.75] 60.46 .237 1974.0719 8:15 43.04 .111 .000
02567 [IAREC=24.00; SMIN= 39.75; SMAX=65.12; SK= 100]
02568 [InterEventTime= 24.00]
02569 *****
02570 # EXT2
02571 #*****
02572 R1974:C0005 -----DTime-ID:HYVD-----AREAH-A-PEAKS-TPeakDate h:m:s-----RvM-R-C-----DWfms
02573 [Cm= 63.0; N= 3.00; Tpe= .92]
02574 [IAREC=24.00; SMIN= 39.75; SMAX=396.11; SK= 100]
02575 [InterEventTime= 24.00]
02576 *****
02577 # EXT3
02578 #*****
02579 R1974:C0006 -----DTime-ID:HYVD-----AREAH-A-PEAKS-TPeakDate h:m:s-----RvM-R-C-----DWfms
02580 [Cm= 51.0; N= 3.00; Tpe= 1.75]
02581 [IAREC=24.00; SMIN= 39.75; SMAX=65.12; SK= 100]
02582 [InterEventTime= 24.00]
02583 *****
02584 # EXT4
02585 #*****
02586 R1974:C0007 -----DTime-ID:HYVD-----AREAH-A-PEAKS-TPeakDate h:m:s-----RvM-R-C-----DWfms
02587 [Cm= 59.0; N= 3.00; Tpe= 1.64]
02588 [IAREC=24.00; SMIN= 39.75; SMAX=467.39; SK= 100]
02589 [InterEventTime= 24.00]
02590 *****
02591 # EXT5
02592 #*****
02593 R1974:C0008 -----DTime-ID:HYVD-----AREAH-A-PEAKS-TPeakDate h:m:s-----RvM-R-C-----DWfms
02594 [Cm= 49.0; N= 3.00; Tpe= 1.48]
02595 [IAREC=24.00; SMIN= 39.75; SMAX=731.60; SK= 100]
02596 [InterEventTime= 24.00]
02597 *****
02598 # EXT6
02599 #*****
02600 R1974:C0009 -----DTime-ID:HYVD-----AREAH-A-PEAKS-TPeakDate h:m:s-----RvM-R-C-----DWfms
02601 [Cm= 49.0; N= 3.00; Tpe= 1.48]
02602 [IAREC=24.00; SMIN= 39.75; SMAX=531.24; SK= 100]
02603 [InterEventTime= 24.00]
02604 *****
02605 # M1
02606 #*****
02607 R1974:C0010 -----DTime-ID:HYVD-----AREAH-A-PEAKS-TPeakDate h:m:s-----RvM-R-C-----DWfms
02608 [Cm= 59.0; N= 3.00; Tpe= 1.71]
02609 [IAREC=24.00; SMIN= 70.11; SMAX=467.39; SK= 100]
02610 [InterEventTime= 24.00]
02611 *****
02612 # M2
02613 #*****
02614 R1974:C0011 -----DTime-ID:HYVD-----AREAH-A-PEAKS-TPeakDate h:m:s-----RvM-R-C-----DWfms
02615 [Cm= 53.0; N= 3.00; Tpe= 3.12]
02616 [IAREC=24.00; SMIN= 39.75; SMAX=606.70; SK= 100]
02617 [InterEventTime= 24.00]
02618 *****
02619 # M3
02620 #*****
02621 R1974:C0012 -----DTime-ID:HYVD-----AREAH-A-PEAKS-TPeakDate h:m:s-----RvM-R-C-----DWfms
02622 [Cm= 46.0; N= 3.00; Tpe= 1.68]
02623 [IAREC=24.00; SMIN= 39.75; SMAX=879.93; SK= 100]
02624 [InterEventTime= 24.00]
02625 *****
02626 # M4
02627 #*****
02628 R1974:C0013 -----DTime-ID:HYVD-----AREAH-A-PEAKS-TPeakDate h:m:s-----RvM-R-C-----DWfms
02629 [Cm= 53.0; N= 3.00; Tpe= 1.48]
02630 [IAREC=24.00; SMIN= 91.01; SMAX=606.70; SK= 100]
02631 [InterEventTime= 24.00]
02632 *****
02633 # M5
02634 #*****
02635 R1974:C0014 -----DTime-ID:HYVD-----AREAH-A-PEAKS-TPeakDate h:m:s-----RvM-R-C-----DWfms
02636 [Cm= 53.0; N= 3.00; Tpe= 1.48]
02637 [IAREC=24.00; SMIN= 61.90; SMAX=412.66; SK= 100]
02638 [InterEventTime= 24.00]
02639 *****
02640 # M6
02641 #*****
02642 R1974:C0015 -----DTime-ID:HYVD-----AREAH-A-PEAKS-TPeakDate h:m:s-----RvM-R-C-----DWfms
02643 [Cm= 62.0; N= 3.00; Tpe= 1.83]
02644 [IAREC=24.00; SMIN= 61.90; SMAX=412.66; SK= 100]
02645 [InterEventTime= 24.00]
02646 *****
02647 # M7
02648 #*****
02649 R1974:C0016 -----DTime-ID:HYVD-----AREAH-A-PEAKS-TPeakDate h:m:s-----RvM-R-C-----DWfms
02650 [Cm= 75.0; N= 3.00; Tpe= 2.29]
02651 [IAREC=24.00; SMIN= 33.81; SMAX=225.43; SK= 100]
02652 [InterEventTime= 24.00]
02653 *****
02654 # M8
02655 #*****
02656 R1974:C0017 -----DTime-ID:HYVD-----AREAH-A-PEAKS-TPeakDate h:m:s-----RvM-R-C-----DWfms
02657 [Cm= 65.0; N= 3.00; Tpe= 1.33]
02658 [IAREC=24.00; SMIN= 23.88; SMAX=199.22; SK= 100]
02659 [InterEventTime= 24.00]
02660 *****
02661 # M9
02662 #*****
02663 R1974:C0018 -----DTime-ID:HYVD-----AREAH-A-PEAKS-TPeakDate h:m:s-----RvM-R-C-----DWfms
02664 [Cm= 63.0; N= 3.00; Tpe= 1.83]
02665 [IAREC=24.00; SMIN= 38.18; SMAX=254.55; SK= 100]
02666 [InterEventTime= 24.00]
02667 *****
02668 # M10
02669 #*****
02670 R1974:C0019 -----DTime-ID:HYVD-----AREAH-A-PEAKS-TPeakDate h:m:s-----RvM-R-C-----DWfms
02671 [Cm= 72.0; N= 3.00; Tpe= 2.34]
02672 [IAREC=24.00; SMIN= 39.75; SMAX=264.99; SK= 100]
02673 [InterEventTime= 24.00]
02674 *****
02675 # SITE
02676 #*****
02677 R1974:C0018 -----DTime-ID:HYVD-----AREAH-A-PEAKS-TPeakDate h:m:s-----RvM-R-C-----DWfms
02678 # CONTINUOUS STANDARD 5.0 01:175 60.48 2.217 1974.0719 8:10 194.85 479 .000
02679 [KMP= 65.12; W= 65]
02680 [Neton parameters] F= 76.20; P= 13.20; DCA74= 14; P= .00]
02681 [Impervious area] IAImp= 4.67; SLP= 20; IIMP= 40; JIMP= 250; SCF= .00]
02682 [Impervious area] IAImp= 1.57; SLP= 2.00; IIMP= 635; MNI= 013; SCF= .00]
02683 [IAREC= 10.00; IAIK= 24.00]
02684 *****
02685 # RUN# COMMAND#
02686 R1975:C0001
02687 [ZERO = .00 hrs on 19750101]
02688 [NETOUT = 0 (Impervious, 2-metric output)]
02689 [NRUN = 1974]
02690 [INFOFORM = 0 ]
02691 [SWMMINFO / INPUT DATA FILE]
02692 [*****]
02693 [Project Name : [Tamarack Richmond]]
02694 [Project Number : [200116011]]
02695 [Date : [2025 JULY 23]]
02696 [Modeler : [JFM and GSI]]
02697 [Company : [JFSA Canada Inc.]]
02698 [License # : [254937]]

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02881 *****
02882 # SUMMER CONDITIONS MODEL
02883 # Model developed to simulate runoff from subcatchments under pre development conditions
02884 *****
02885 # Ottawa International Airport - July 1967 to 01 Nov 2016
02886 *****
02887 # Ottawa International Airport - July 1967 to 01 Nov 2016
02888 *****
02889 # READ RES DATA
02890 # (Filename = YOW 1967-2016.txt )
02891 # (Start_date= 1975.0101; End_date= 1975.1231)
02892 # (File #, min, Length, 976, 725; MaxLen= 344; Digits= 8416; PLOT= 535.50)
02893 *****
02894 # Maximum average rainfall intensities over
02895 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
02896 34.80 34.80 34.80 34.80 34.80 34.80 34.80 34.80 34.80 mm/hr
02897 19750701 19750720 19750721 19750722 19750723 19750724 19750725 19750726 19750727
02898 # Number of rainfall events per following interval
02899 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
02900 136 136 136 136 136 136 136 136 136
02901 # Number of events with at least the following durations
02902 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
02903 135 70 40 17 1 0 0 0 0
02904 *****
02905 # COMMENTS API
02906 # (APIIn= 40.00; APIKey= 8000; APIKey= 9907)
02907 # (APITime= 54.16; APIAvg= 7.99; APIIn= .00)
02908 *****
02909 # Pre-Development Conditions
02910 *****
02911 # ROUTE CHANNEL ->
02912 # (Route= 5.00) OUTC= 3.0 01:12
02913 # (L/S/n= 182.7 / 100 / 035)
02914 # (Max= 452; Max= 309)
02915 *****
02916 # CONTINUOUS NASHVD 5.0 01:12
02917 # (Cm= 56.0; N= 3.00; Tpe= 1.64)
02918 # (IaREC=24.00; SMIN= 39.77; SMAX=65.12; Bk= 100)
02919 # (InterEventTime= 24.00)
02920 *****
02921 # EXT2
02922 *****
02923 # ROUTE CHANNEL ->
02924 # (Route= 5.00) OUTC= 3.0 01:12
02925 # (L/S/n= 471.7 / 221 / 035)
02926 # (Max= 460; Max= 361)
02927 *****
02928 # CONTINUOUS NASHVD 5.0 01:12
02929 # (Cm= 56.0; N= 3.00; Tpe= 1.64)
02930 # (IaREC=24.00; SMIN= 39.77; SMAX=65.12; Bk= 100)
02931 # (InterEventTime= 24.00)
02932 *****
02933 # ROUTE CHANNEL ->
02934 # (Route= 5.00) OUTC= 3.0 01:12
02935 # (L/S/n= 734.7 / 100 / 035)
02936 # (Max= 319; Max= 296)
02937 *****
02938 # CONTINUOUS NASHVD 5.0 01:12
02939 # (Cm= 56.0; N= 3.00; Tpe= 1.64)
02940 # (IaREC=24.00; SMIN= 39.77; SMAX=65.12; Bk= 100)
02941 # (InterEventTime= 24.00)
02942 *****
02943 # ROUTE CHANNEL ->
02944 # (Route= 5.00) OUTC= 3.0 01:12
02945 # (L/S/n= 664.1 / 107 / 035)
02946 # (Max= 460; Max= 375)
02947 *****
02948 # CONTINUOUS NASHVD 5.0 01:12
02949 # (Cm= 56.0; N= 3.00; Tpe= 1.64)
02950 # (IaREC=24.00; SMIN= 39.77; SMAX=65.12; Bk= 100)
02951 # (InterEventTime= 24.00)
02952 *****
02953 # ROUTE CHANNEL ->
02954 # (Route= 5.00) OUTC= 3.0 01:12
02955 # (L/S/n= 464.1 / 107 / 035)
02956 # (Max= 460; Max= 375)
02957 *****
02958 # CONTINUOUS NASHVD 5.0 01:12
02959 # (Cm= 56.0; N= 3.00; Tpe= 1.64)
02960 # (IaREC=24.00; SMIN= 39.77; SMAX=65.12; Bk= 100)
02961 # (InterEventTime= 24.00)
02962 *****
02963 # ROUTE CHANNEL ->
02964 # (Route= 5.00) OUTC= 3.0 01:12
02965 # (L/S/n= 308.7 / 100 / 035)
02966 # (Max= 319; Max= 296)
02967 *****
02968 # CONTINUOUS NASHVD 5.0 01:12
02969 # (Cm= 56.0; N= 3.00; Tpe= 1.64)
02970 # (IaREC=24.00; SMIN= 39.77; SMAX=65.12; Bk= 100)
02971 # (InterEventTime= 24.00)
02972 *****
02973 # ROUTE CHANNEL ->
02974 # (Route= 5.00) OUTC= 3.0 01:12
02975 # (L/S/n= 308.7 / 100 / 035)
02976 # (Max= 319; Max= 296)
02977 *****
02978 # CONTINUOUS NASHVD 5.0 01:12
02979 # (Cm= 56.0; N= 3.00; Tpe= 1.64)
02980 # (IaREC=24.00; SMIN= 39.77; SMAX=65.12; Bk= 100)
02981 # (InterEventTime= 24.00)
02982 *****
02983 # ROUTE CHANNEL ->
02984 # (Route= 5.00) OUTC= 3.0 01:12
02985 # (L/S/n= 308.7 / 100 / 035)
02986 # (Max= 319; Max= 296)
02987 *****
02988 # CONTINUOUS NASHVD 5.0 01:12
02989 # (Cm= 56.0; N= 3.00; Tpe= 1.64)
02990 # (IaREC=24.00; SMIN= 39.77; SMAX=65.12; Bk= 100)
02991 # (InterEventTime= 24.00)
02992 *****
02993 # ROUTE CHANNEL ->
02994 # (Route= 5.00) OUTC= 3.0 01:12
02995 # (L/S/n= 308.7 / 100 / 035)
02996 # (Max= 319; Max= 296)
02997 *****
02998 # CONTINUOUS NASHVD 5.0 01:12
02999 # (Cm= 56.0; N= 3.00; Tpe= 1.64)
03000 # (IaREC=24.00; SMIN= 39.77; SMAX=65.12; Bk= 100)
03001 # (InterEventTime= 24.00)
03002 *****
03003 # ROUTE CHANNEL ->
03004 # (Route= 5.00) OUTC= 3.0 01:12
03005 # (L/S/n= 308.7 / 100 / 035)
03006 # (Max= 319; Max= 296)
03007 *****
03008 # CONTINUOUS NASHVD 5.0 01:12
03009 # (Cm= 56.0; N= 3.00; Tpe= 1.64)
03010 # (IaREC=24.00; SMIN= 39.77; SMAX=65.12; Bk= 100)
03011 # (InterEventTime= 24.00)
03012 *****
03013 # ROUTE CHANNEL ->
03014 # (Route= 5.00) OUTC= 3.0 01:12
03015 # (L/S/n= 308.7 / 100 / 035)
03016 # (Max= 319; Max= 296)
03017 *****
03018 # CONTINUOUS NASHVD 5.0 01:12
03019 # (Cm= 56.0; N= 3.00; Tpe= 1.64)
03020 # (IaREC=24.00; SMIN= 39.77; SMAX=65.12; Bk= 100)
03021 # (InterEventTime= 24.00)
03022 *****
03023 # ROUTE CHANNEL ->
03024 # (Route= 5.00) OUTC= 3.0 01:12
03025 # (L/S/n= 308.7 / 100 / 035)
03026 # (Max= 319; Max= 296)
03027 *****
03028 # CONTINUOUS NASHVD 5.0 01:12
03029 # (Cm= 56.0; N= 3.00; Tpe= 1.64)
03030 # (IaREC=24.00; SMIN= 39.77; SMAX=65.12; Bk= 100)
03031 # (InterEventTime= 24.00)
03032 *****
03033 # ROUTE CHANNEL ->
03034 # (Route= 5.00) OUTC= 3.0 01:12
03035 # (L/S/n= 308.7 / 100 / 035)
03036 # (Max= 319; Max= 296)
03037 *****
03038 # CONTINUOUS NASHVD 5.0 01:12
03039 # (Cm= 56.0; N= 3.00; Tpe= 1.64)
03040 # (IaREC=24.00; SMIN= 39.77; SMAX=65.12; Bk= 100)
03041 # (InterEventTime= 24.00)
03042 *****
03043 # ROUTE CHANNEL ->
03044 # (Route= 5.00) OUTC= 3.0 01:12
03045 # (L/S/n= 308.7 / 100 / 035)
03046 # (Max= 319; Max= 296)
03047 *****
03048 # CONTINUOUS NASHVD 5.0 01:12
03049 # (Cm= 56.0; N= 3.00; Tpe= 1.64)
03050 # (IaREC=24.00; SMIN= 39.77; SMAX=65.12; Bk= 100)
03051 # (InterEventTime= 24.00)
03052 *****
03053 # ROUTE CHANNEL ->
03054 # (Route= 5.00) OUTC= 3.0 01:12
03055 # (L/S/n= 308.7 / 100 / 035)
03056 # (Max= 319; Max= 296)
03057 *****
03058 # CONTINUOUS NASHVD 5.0 01:12
03059 # (Cm= 56.0; N= 3.00; Tpe= 1.64)
03060 # (IaREC=24.00; SMIN= 39.77; SMAX=65.12; Bk= 100)
03061 # (InterEventTime= 24.00)
03062 *****

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03241> [DTE 60,min: Length= 8064,hrs: WetHrs= 389; DryHrs= 7675; PTOF= 492.40]
03242> [InterEventTime 24.00]
03243> *****
03244> 14.00 8.90 6.43 4.65 2.35 1.39 .97 .59 .80 mm/hr
03245> 14.00 17.80 13.90 9.80 6.80 33.20 35.10 47.60 57.50 mm
03246> 19760829 19760829 19760829 19760829 19760829 19760829 19760829 19760829 19760829 date
03247> *****
03248> 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
03249> 1.4 1.3 1.1 7.9 2.8 2.4 2.6 2.4 2.8
03250> Number of events with at least the following durations
03251> 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
03252> 163 78 72 2 0 0 0 0 0
03253> R1976:CO0003 *****
03254> COMPUTE AP *****
03255> [Arlim= 40.00; APfKdy= 8000; APfKdy= 9907]
03256> [Arlmax= 46.44; APfavg= 7.13; APfmin= .00]
03257> *****
03258> *****
03259> # Fee-Development Conditions
03260> *****
03261> *****
03262> *****
03263> *****
03264> R1976:CO0004 *****
03265> CONTINUOUS NASHYD *****
03266> [Cm 51.0; Nr 3.00; Tpe 1.75]
03267> [IaREC=24.00; SMH= 99.71; SMA=65.12; SK= 100]
03268> [InterEventTime 24.00]
03269> *****
03270> *****
03271> *****
03272> R1976:CO0005 *****
03273> CONTINUOUS NASHYD *****
03274> [Cm 61.0; Nr 3.00; Tpe 1.92]
03275> [IaREC=24.00; SMH= 45.42; SMA=396.11; SK= 100]
03276> [InterEventTime 24.00]
03277> *****
03278> *****
03279> *****
03280> R1976:CO0006 *****
03281> CONTINUOUS NASHYD *****
03282> [Cm 56.0; Nr 3.00; Tpe 1.44]
03283> [IaREC=24.00; SMH= 70.11; SMA=467.39; SK= 100]
03284> [InterEventTime 24.00]
03285> *****
03286> *****
03287> *****
03288> R1976:CO0007 *****
03289> CONTINUOUS NASHYD *****
03290> [Cm 48.0; Nr 3.00; Tpe 1.43]
03291> [IaREC=24.00; SMH= 109.74; SMA=731.60; SK= 100]
03292> [InterEventTime 24.00]
03293> *****
03294> *****
03295> *****
03296> R1976:CO0008 *****
03297> CONTINUOUS NASHYD *****
03298> [Cm 56.0; Nr 3.00; Tpe 1.44]
03299> [IaREC=24.00; SMH= 79.69; SMA=531.24; SK= 100]
03300> [InterEventTime 24.00]
03301> *****
03302> *****
03303> *****
03304> R1976:CO0009 *****
03305> CONTINUOUS NASHYD *****
03306> [Cm 59.0; Nr 3.00; Tpe 1.71]
03307> [IaREC=24.00; SMH= 91.01; SMA=467.39; SK= 100]
03308> [InterEventTime 24.00]
03309> *****
03310> *****
03311> *****
03312> R1976:CO0010 *****
03313> CONTINUOUS NASHYD *****
03314> [Cm 51.0; Nr 3.00; Tpe 1.12]
03315> [IaREC=24.00; SMH= 91.01; SMA=606.70; SK= 100]
03316> [InterEventTime 24.00]
03317> *****
03318> *****
03319> *****
03320> R1976:CO0011 *****
03321> CONTINUOUS NASHYD *****
03322> [Cm 51.0; Nr 3.00; Tpe 1.48]
03323> [IaREC=24.00; SMH= 121.19; SMA=807.93; SK= 100]
03324> [InterEventTime 24.00]
03325> *****
03326> *****
03327> *****
03328> R1976:CO0012 *****
03329> CONTINUOUS NASHYD *****
03330> [Cm 51.0; Nr 3.00; Tpe 1.49]
03331> [IaREC=24.00; SMH= 91.01; SMA=606.70; SK= 100]
03332> [InterEventTime 24.00]
03333> *****
03334> *****
03335> *****
03336> R1976:CO0013 *****
03337> CONTINUOUS NASHYD *****
03338> [Cm 56.0; Nr 3.00; Tpe 2.09]
03339> [IaREC=24.00; SMH= 79.69; SMA=531.24; SK= 100]
03340> [InterEventTime 24.00]
03341> *****
03342> *****
03343> *****
03344> R1976:CO0014 *****
03345> CONTINUOUS NASHYD *****
03346> [Cm 62.0; Nr 3.00; Tpe 1.83]
03347> [IaREC=24.00; SMH= 61.92; SMA=412.66; SK= 100]
03348> [InterEventTime 24.00]
03349> *****
03350> *****
03351> *****
03352> R1976:CO0015 *****
03353> CONTINUOUS NASHYD *****
03354> [Cm 75.0; Nr 3.00; Tpe 2.29]
03355> [IaREC=24.00; SMH= 31.98; SMA=225.43; SK= 100]
03356> [InterEventTime 24.00]
03357> *****
03358> *****
03359> *****
03360> R1976:CO0016 *****
03361> CONTINUOUS NASHYD *****
03362> [Cm 78.0; Nr 3.00; Tpe 1.73]
03363> [IaREC=24.00; SMH= 29.88; SMA=199.22; SK= 100]
03364> [InterEventTime 24.00]
03365> *****
03366> *****
03367> *****
03368> R1976:CO0017 *****
03369> CONTINUOUS NASHYD *****
03370> [Cm 72.0; Nr 3.00; Tpe 1.83]
03371> [IaREC=24.00; SMH= 38.18; SMA=254.55; SK= 100]
03372> [InterEventTime 24.00]
03373> *****
03374> *****
03375> *****
03376> R1976:CO0018 *****
03377> CONTINUOUS STANWID *****
03378> [XMP= 65;TMP= 65]
03379> [Horton parameters: Pm 76.20;Pm 13.20;DCM=4.14; P= .00]
03380> [Previous area: Iapm= 4.47;Iapm2.00;Iapm 40;Iapm= 250;ICM= .0]
03381> [Initial area: Iapm= 1.57;Iapm2.00;Iapm 65;Iapm= .013;ICM= .0]
03382> [IaRC= 10.00; IapRC= 24.00]
03383> *****
03384> *****
03385> *****
03386> R1976:CO0019 *****
03387> CONTINUOUS NASHYD *****
03388> [Cm 70.0; Nr 3.00; Tpe 1.64]
03389> [IaREC=24.00; SMH= 42.07; SMA=287.10; SK= 100]
03390> [InterEventTime 24.00]
03391> *****
03392> *****
03393> *****
03394> R1976:CO0020 *****
03395> CONTINUOUS NASHYD *****
03396> [Cm 72.0; Nr 3.00; Tpe 2.34]
03397> [IaREC=24.00; SMH= 75.15; SMA=264.99; SK= 100]
03398> [InterEventTime 24.00]
03399> *****
03400> *****
03401> *****
03402> R1976:CO0021 *****
03403> CONTINUOUS NASHYD *****
03404> [Cm 70.0; Nr 3.00; Tpe 1.87]
03405> [IaREC=24.00; SMH= 5.07; SMA=287.10; SK= 100]
03406> [InterEventTime 24.00]
03407> *****
03408> *****
03409> *****
03410> R1976:CO0022 *****
03411> CONTINUOUS NASHYD *****
03412> [Cm 72.0; Nr 3.00; Tpe 1.78]
03413> [IaREC=24.00; SMH= 39.79; SMA=264.99; SK= 100]
03414> [InterEventTime 24.00]
03415> *****
03416> *****
03417> *****
03418> R1976:CO0023 *****
03419> CONTINUOUS NASHYD *****
03420> [Cm 64.0; Nr 3.00; Tpe 3.07]

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03601 170 88 60 22 5 1 0 0 0
03602 R1977:C00023-----DtmIn-ID:HYND-----AREAh-QFEARcm-TPeakDate h:hm:--Rvm-R.C-----DWfms
03603 COMPUTE AFI
03604 [APINm:40.00; APfkyd: -8000; APfkdz: -9907]
03605 [ARfMaz:49.32; ARfMaz: .06]
03606 *****
03607 *****
03608 # Pre-Development Conditions
03609 *****
03610 *****
03611 # EXT1
03612 *****
03613 R1977:C00024-----DtmIn-ID:HYND-----AREAh-QFEARcm-TPeakDate h:hm:--Rvm-R.C-----DWfms
03614 CONTINUOUS NASHYD 5.0 01:EXT1 60.46 .404 1977.0902 6120 114.18 169 .000
03615 [Cm 53.0: Nm 3.00; Tm 1.74]
03616 [iARfMaz:24.00; SMHm 99.77; SMAX:665.12; Ek: 100]
03617 *****
03618 *****
03619 # EXT2
03620 *****
03621 R1977:C00025-----DtmIn-ID:HYND-----AREAh-QFEARcm-TPeakDate h:hm:--Rvm-R.C-----DWfms
03622 CONTINUOUS NASHYD 5.0 01:EXT2 71.96 -.162 1977.0902 6115 125.85 186 .000
03623 [Cm 63.0: Nm 3.00; Tm .92]
03624 [iARfMaz:24.00; SMHm 59.42; SMAX:396.11; Ek: 100]
03625 *****
03626 *****
03627 # EXT3
03628 *****
03629 R1977:C00026-----DtmIn-ID:HYND-----AREAh-QFEARcm-TPeakDate h:hm:--Rvm-R.C-----DWfms
03630 CONTINUOUS NASHYD 5.0 01:EXT3 31.96 -.162 1977.0902 6115 125.85 186 .000
03631 [Cm 59.0: Nm 3.00; Tm 1.64]
03632 [iARfMaz:24.00; SMHm 71.11; SMAX:467.39; Ek: 100]
03633 *****
03634 *****
03635 # EXT4
03636 *****
03637 R1977:C00027-----DtmIn-ID:HYND-----AREAh-QFEARcm-TPeakDate h:hm:--Rvm-R.C-----DWfms
03638 CONTINUOUS NASHYD 5.0 01:EXT4 .64 .011 1977.0902 5115 111.50 165 .000
03639 [Cm 48.0: Nm 3.00; Tm .43]
03640 [iARfMaz:24.00; SMHm 59.74; SMAX:731.60; Ek: 100]
03641 *****
03642 *****
03643 # EXT5
03644 *****
03645 R1977:C00028-----DtmIn-ID:HYND-----AREAh-QFEARcm-TPeakDate h:hm:--Rvm-R.C-----DWfms
03646 CONTINUOUS NASHYD 5.0 01:EXT5 1.55 -.033 1977.0902 5115 121.26 179 .000
03647 [Cm 51.0: Nm 3.00; Tm 1.55]
03648 [iARfMaz:24.00; SMHm 79.69; SMAX:531.24; Ek: 100]
03649 *****
03650 *****
03651 # M1
03652 *****
03653 R1977:C00029-----DtmIn-ID:HYND-----AREAh-QFEARcm-TPeakDate h:hm:--Rvm-R.C-----DWfms
03654 CONTINUOUS NASHYD 5.0 01:M1 111.89 .973 1977.0902 6120 125.85 186 .000
03655 [Cm 51.0: Nm 3.00; Tm 1.71]
03656 [iARfMaz:24.00; SMHm 70.11; SMAX:467.39; Ek: 100]
03657 *****
03658 *****
03659 # M2
03660 *****
03661 R1977:C00030-----DtmIn-ID:HYND-----AREAh-QFEARcm-TPeakDate h:hm:--Rvm-R.C-----DWfms
03662 CONTINUOUS NASHYD 5.0 01:M2 119.73 .516 1977.0902 7140 116.94 173 .000
03663 [Cm 53.0: Nm 3.00; Tm 3.12]
03664 [iARfMaz:24.00; SMHm 91.01; SMAX:606.70; Ek: 100]
03665 *****
03666 *****
03667 # M3
03668 *****
03669 R1977:C00031-----DtmIn-ID:HYND-----AREAh-QFEARcm-TPeakDate h:hm:--Rvm-R.C-----DWfms
03670 CONTINUOUS NASHYD 5.0 01:M3 39.07 -.494 1977.0902 6200 169.50 163 .000
03671 [Cm 46.0: Nm 3.00; Tm 1.68]
03672 [iARfMaz:24.00; SMHm 72.19; SMAX:807.93; Ek: 100]
03673 *****
03674 *****
03675 # M4
03676 *****
03677 R1977:C00032-----DtmIn-ID:HYND-----AREAh-QFEARcm-TPeakDate h:hm:--Rvm-R.C-----DWfms
03678 CONTINUOUS NASHYD 5.0 01:M4 50.96 .332 1977.0902 6130 116.94 173 .000
03679 [Cm 51.0: Nm 3.00; Tm 1.95]
03680 [iARfMaz:24.00; SMHm 70.11; SMAX:606.70; Ek: 100]
03681 *****
03682 *****
03683 # M5
03684 *****
03685 R1977:C00033-----DtmIn-ID:HYND-----AREAh-QFEARcm-TPeakDate h:hm:--Rvm-R.C-----DWfms
03686 CONTINUOUS NASHYD 5.0 01:M5 56.26 .379 1977.0902 6140 121.26 179 .000
03687 [iARfMaz:24.00; SMHm 79.69; SMAX:531.24; Ek: 100]
03688 *****
03689 *****
03690 # M6
03691 *****
03692 R1977:C00034-----DtmIn-ID:HYND-----AREAh-QFEARcm-TPeakDate h:hm:--Rvm-R.C-----DWfms
03693 CONTINUOUS NASHYD 5.0 01:M6 25.62 .228 1977.0902 6125 130.68 193 .000
03694 [Cm 62.0: Nm 3.00; Tm 1.83]
03695 [iARfMaz:24.00; SMHm 61.90; SMAX:412.66; Ek: 100]
03696 *****
03697 *****
03698 # M7
03699 *****
03700 R1977:C00035-----DtmIn-ID:HYND-----AREAh-QFEARcm-TPeakDate h:hm:--Rvm-R.C-----DWfms
03701 CONTINUOUS NASHYD 5.0 01:M7 47.26 -.487 1977.0902 6145 139.44 239 .000
03702 [Cm 75.0: Nm 3.00; Tm 2.29]
03703 [iARfMaz:24.00; SMHm 39.81; SMAX:225.43; Ek: 100]
03704 *****
03705 *****
03706 # M8
03707 *****
03708 R1977:C00036-----DtmIn-ID:HYND-----AREAh-QFEARcm-TPeakDate h:hm:--Rvm-R.C-----DWfms
03709 CONTINUOUS NASHYD 5.0 01:M8 44.90 -.796 1977.0902 5145 146.51 246 .000
03710 [Cm 78.0: Nm 3.00; Tm 1.13]
03711 [iARfMaz:24.00; SMHm 72.19; SMAX:199.22; Ek: 100]
03712 *****
03713 *****
03714 # M9
03715 *****
03716 R1977:C00037-----DtmIn-ID:HYND-----AREAh-QFEARcm-TPeakDate h:hm:--Rvm-R.C-----DWfms
03717 CONTINUOUS NASHYD 5.0 01:M9 24.24 .419 1977.0902 5145 152.83 226 .000
03718 [Cm 71.0: Nm 3.00; Tm 1.13]
03719 [iARfMaz:24.00; SMHm 29.18; SMAX:245.55; Ek: 100]
03720 *****
03721 *****
03722 # SITE
03723 *****
03724 R1977:C00038-----DtmIn-ID:HYND-----AREAh-QFEARcm-TPeakDate h:hm:--Rvm-R.C-----DWfms
03725 CONTINUOUS STANHYD 5.0 01:SITE 60.48 2.297 1977.0717 22100 353.66 152 .000
03726 [XIMP: 65.72]
03727 [Horton parameters: Fm = 76.20; Fm = 13.20; DCAm = 4.14; Fm = .00]
03728 [Fevulus area: IAPex = 4.67; STPEF: 2.00; IADP: 40.0MMF: 250; SCF: .0]
03729 [Impervious area: IAPex = 4.67; STPEF: 2.00; IADP: 40.0MMF: 250; SCF: .0]
03730 [iARfMaz: 10.00; iARfMaz: 24.00]
03731 *****
03732 *****
03733 # T1
03734 *****
03735 R1977:C00039-----DtmIn-ID:HYND-----AREAh-QFEARcm-TPeakDate h:hm:--Rvm-R.C-----DWfms
03736 CONTINUOUS NASHYD 5.0 01:T1 79.25 .956 1977.0902 6110 146.83 217 .000
03737 [Cm 70.0: Nm 3.00; Tm 1.64]
03738 [iARfMaz:24.00; SMHm 43.07; SMAX:287.10; Ek: 100]
03739 *****
03740 *****
03741 # T2
03742 *****
03743 R1977:C00040-----DtmIn-ID:HYND-----AREAh-QFEARcm-TPeakDate h:hm:--Rvm-R.C-----DWfms
03744 CONTINUOUS NASHYD 5.0 01:T2 109.81 1.022 1977.0902 6150 150.79 223 .000
03745 [Cm 72.0: Nm 3.00; Tm 1.84]
03746 [iARfMaz:24.00; SMHm 39.75; SMAX:264.99; Ek: 100]
03747 *****
03748 *****
03749 # T3
03750 *****
03751 R1977:C00041-----DtmIn-ID:HYND-----AREAh-QFEARcm-TPeakDate h:hm:--Rvm-R.C-----DWfms
03752 CONTINUOUS NASHYD 5.0 01:T3 12.05 .238 1977.0902 5135 146.83 217 .000
03753 [Cm 70.0: Nm 3.00; Tm .87]
03754 [iARfMaz:24.00; SMHm 43.07; SMAX:287.10; Ek: 100]
03755 *****
03756 *****
03757 # T4
03758 *****
03759 R1977:C00042-----DtmIn-ID:HYND-----AREAh-QFEARcm-TPeakDate h:hm:--Rvm-R.C-----DWfms
03760 CONTINUOUS NASHYD 5.0 01:T4 65.89 -.792 1977.0902 6200 150.79 223 .000
03761 [Cm 72.0: Nm 3.00; Tm 1.76]
03762 [iARfMaz:24.00; SMHm 43.07; SMAX:264.99; Ek: 100]
03763 *****
03764 *****
03765 # T5
03766 *****
03767 R1977:C00043-----DtmIn-ID:HYND-----AREAh-QFEARcm-TPeakDate h:hm:--Rvm-R.C-----DWfms
03768 CONTINUOUS NASHYD 5.0 01:T5 171.81 1.021 1977.0902 7135 134.04 198 .000
03769 [Cm 41.0: Nm 3.00; Tm 3.07]
03770 [iARfMaz:24.00; SMHm 31.15; SMAX:380.32; Ek: 100]
03771 *****
03772 *****
03773 # T6
03774 *****
03775 R1977:C00044-----DtmIn-ID:HYND-----AREAh-QFEARcm-TPeakDate h:hm:--Rvm-R.C-----DWfms
03776 CONTINUOUS NASHYD 5.0 01:T6 60.20 .511 1977.0902 7125 164.10 242 .000
03777 [Cm 71.0: Nm 3.00; Tm 1.98]
03778 [iARfMaz:24.00; SMHm 31.15; SMAX:207.66; Ek: 100]
03779 *****
03780 *****
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03781 # T7
03782 *****
03783 R1977:C00045-----DtmIn-ID:HYND-----AREAh-QFEARcm-TPeakDate h:hm:--Rvm-R.C-----DWfms
03784 CONTINUOUS NASHYD 5.0 01:T7 68.50 .575 1977.0902 7105 150.79 223 .000
03785 [Cm 72.0: Nm 3.00; Tm 2.43]
03786 [iARfMaz:24.00; SMHm 39.75; SMAX:264.99; Ek: 100]
03787 *****
03788 *****
03789 R1977:C00046-----DtmIn-ID:HYND-----AREAh-QFEARcm-TPeakDate h:hm:--Rvm-R.C-----DWfms
03790 ROUTE CHANNEL -> 5.0 01:T7 111.89 .973 1977.0902 6120 125.85 186 .000
03791 [RfM: 5.00] out<- 3.0 01:T7 111.89 .973 1977.0902 6120 125.85 186 .000
03792 [I/S/m: 238.7 / 107.0 / 107.0]
03793 *****
03794 R1977:C00047-----DtmIn-ID:HYND-----AREAh-QFEARcm-TPeakDate h:hm:--Rvm-R.C-----DWfms
03795 ADD HYD + 5.0 01:T7 111.89 .973 1977.0902 6120 125.85 186 .000
03796 [RfM: 5.00] out<- 3.0 01:T7 111.89 .973 1977.0902 6120 125.85 186 .000
03797 [I/S/m: 238.7 / 107.0 / 107.0]
03798 *****
03799 R1977:C00048-----DtmIn-ID:HYND-----AREAh-QFEARcm-TPeakDate h:hm:--Rvm-R.C-----DWfms
03800 ROUTE CHANNEL -> 5.0 01:T7 270.69 1.296 1977.0902 7135 119.46 194 .000
03801 [RfM: 5.00] out<- 3.0 01:T7 270.69 1.296 1977.0902 7135 119.46 194 .000
03802 [I/S/m: 471.7 / 221.0 / 221.0]
03803 *****
03804 R1977:C00049-----DtmIn-ID:HYND-----AREAh-QFEARcm-TPeakDate h:hm:--Rvm-R.C-----DWfms
03805 ADD HYD + 5.0 01:T7 270.69 1.296 1977.0902 7135 119.46 194 .000
03806 [RfM: 5.00] out<- 3.0 01:T7 270.69 1.296 1977.0902 7135 119.46 194 .000
03807 [I/S/m: 471.7 / 221.0 / 221.0]
03808 *****
03809 R1977:C00050-----DtmIn-ID:HYND-----AREAh-QFEARcm-TPeakDate h:hm:--Rvm-R.C-----DWfms
03810 ROUTE CHANNEL -> 5.0 01:T7 321.65 1.580 1977.0902 7120 119.06 194 .000
03811 [RfM: 5.00] out<- 3.0 01:T7 321.65 1.580 1977.0902 7120 119.06 194 .000
03812 [I/S/m: 734.7 / 107.0 / 107.0]
03813 *****
03814 R1977:C00051-----DtmIn-ID:HYND-----AREAh-QFEARcm-TPeakDate h:hm:--Rvm-R.C-----DWfms
03815 ADD HYD + 5.0 01:T7 321.65 1.580 1977.0902 7120 119.06 194 .000
03816 [RfM: 5.00] out<- 3.0 01:T7 321.65 1.580 1977.0902 7120 119.06 194 .000
03817 [I/S/m: 734.7 / 107.0 / 107.0]
03818 *****
03819 R1977:C00052-----DtmIn-ID:HYND-----AREAh-QFEARcm-TPeakDate h:hm:--Rvm-R.C-----DWfms
03820 ROUTE CHANNEL -> 5.0 01:T7 377.91 1.815 1977.0902 7135 119.39 194 .000
03821 [RfM: 5.00] out<- 3.0 01:T7 377.91 1.815 1977.0902 7135 119.39 194 .000
03822 [I/S/m: 664.7 / 157.0 / 157.0]
03823 *****
03824 R1977:C00053-----DtmIn-ID:HYND-----AREAh-QFEARcm-TPeakDate h:hm:--Rvm-R.C-----DWfms
03825 ADD HYD + 5.0 01:T7 377.91 1.815 1977.0902 7135 119.39 194 .000
03826 [RfM: 5.00] out<- 3.0 01:T7 377.91 1.815 1977.0902 7135 119.39 194 .000
03827 [I/S/m: 664.7 / 157.0 / 157.0]
03828 *****
03829 R1977:C00054-----DtmIn-ID:HYND-----AREAh-QFEARcm-TPeakDate h:hm:--Rvm-R.C-----DWfms
03830 ROUTE CHANNEL -> 5.0 01:T7 448.71 2.469 1977.0902 5100 213.98 194 .000
03831 [RfM: 5.00] out<- 3.0 01:T7 448.71 2.469 1977.0902 5100 213.98 194 .000
03832 [I/S/m: 804.7 / 207.0 / 207.0]
03833 *****
03834 R1977:C00055-----DtmIn-ID:HYND-----AREAh-QFEARcm-TPeakDate h:hm:--Rvm-R.C-----DWfms
03835 ADD HYD + 5.0 01:T7 448.71 2.469 1977.0902 5100 213.98 194 .000
03836 [RfM: 5.00] out<- 3.0 01:T7 448.71 2.469 1977.0902 5100 213.98 194 .000
03837 [I/S/m: 804.7 / 207.0 / 207.0]
03838 *****
03839 R1977:C00056-----DtmIn-ID:HYND-----AREAh-QFEARcm-TPeakDate h:hm:--Rvm-R.C-----DWfms
03840 ROUTE CHANNEL -> 5.0 01:T7 526.62 2.221 1977.0902 8100 146.09 194 .000
03841 [RfM: 5.00] out<- 3.0 01:T7 526.62 2.221 1977.0902 8100 146.09 194 .000
03842 [I/S/m: 308.7 / 107.0 / 107.0]
03843 *****
03844 R1977:C00057-----DtmIn-ID:HYND-----AREAh-QFEARcm-TPeakDate h:hm:--Rvm-R.C-----DWfms
03845 ADD HYD + 5.0 01:T7 526.62 2.221 1977.0902 8100 146.09 194 .000
03846 [RfM: 5.00] out<- 3.0 01:T7 526.62 2.221 1977.0902 8100 146.09 194 .000
03847 [I/S/m: 308.7 / 107.0 / 107.0]
03848 *****
03849 R1977:C00058-----DtmIn-ID:HYND-----AREAh-QFEARcm-TPeakDate h:hm:--Rvm-R.C-----DWfms
03850 ROUTE CHANNEL -> 5.0 01:T7 566.50 2.422 1977.0902 7145 145.91 194 .000
03851 [RfM: 5.00] out<- 3.0 01:T7 566.50 2.422 1977.0902 7145 145.91 194 .000
03852 [I/S/m: 1013.7 / 107.0 / 107.0]
03853 *****
03854 R1977:C00059-----DtmIn-ID:HYND-----AREAh-QFEARcm-TPeakDate h:hm:--Rvm-R.C-----DWfms
03855 ADD HYD + 5.0 01:T7 566.50 2.422 1977.0902 7145 145.91 194 .000
03856 [RfM: 5.00] out<- 3.0 01:T7 566.50 2.422 1977.0902 7145 145.91 194 .000
03857 [I/S/m: 1013.7 / 107.0 / 107.0]
03858 *****
03859 R1977:C00060-----DtmIn-ID:HYND-----AREAh-QFEARcm-TPeakDate h:hm:--Rvm-R.C-----DWfms
03860 ROUTE CHANNEL -> 5.0 01:T7 648.71 2.916 1977.0902 6150 150.79 223 .000
03861 [RfM: 5.00] out<- 3.0 01:T7 648.71 2.916 1977.0902 6150 150.79 223 .000
03862 [I/S/m: 1182.7 / 107.0 / 107.0]
03863 *****
03864 R1977:C00061-----DtmIn-ID:HYND-----AREAh-QFEARcm-TPeakDate h:hm:--Rvm-R.C-----DWfms
03865 ADD HYD + 5.0 01:T7 648.71 2.916 1977.0902 6150 150.79 223 .000
03866 [RfM: 5.00] out<- 3.0 01:T7 648.71 2.916 1977.0902 6150 150.79 223 .000
03867 [I/S/m: 1182.7 / 107.0 / 107.0]
03868 *****
03869 R1977:C00062-----DtmIn-ID:HYND-----AREAh-QFEARcm-TPeakDate h:hm:--Rvm-R.C-----DWfms
03870 ROUTE CHANNEL -> 5.0 01:T7 711.89 1.022 1977.0902 6150 150.79 223 .000
03871 [RfM: 5.00] out<- 3.0 01:T7 711.89 1.022 1977.0902 6150 150.79 223 .000
03872 [I/S/m: 1212.7 / 107.0 / 107.0]
03873 *****
03874 R1977:C00063-----DtmIn-ID:HYND-----AREAh-QFEARcm-TPeakDate h:hm:--Rvm-R.C-----DWfms
03875 ADD HYD + 5.0 01:T7 711.89 1.022 1977.0902 6150 150.79 223 .000
03876 [RfM: 5.00] out<- 3.0 01:T7 711.89 1.022 1977.0902 6150 150.79 223 .000
03877 [I/S/m: 1212.7 / 107.0 / 107.0]
03878 *****
03879 R1977:C00064-----DtmIn-ID:HYND-----AREAh-QFEARcm-TPeakDate h:hm:--Rvm-R.C-----DWfms
03880 ROUTE CHANNEL -> 5.0 01:T7 711.89 1.022 1977.0902 6150 150.79 223 .000
03881 [RfM: 5.00] out<- 3.0 01:T7 711.89 1.022 1977.0902 6150 150.79 223 .000
03882 [I/S/m: 1212.7 / 107.0 / 107.0]
03883 *****
03884 R1977:C00065-----DtmIn-ID:HYND-----AREAh-QFEARcm-TPeakDate h:hm:--Rvm-R.C-----DWfms
03885 ADD HYD + 5.0 01:T7 711.89 1.022 1977.0902 6150 150.79 223 .000
03886 [RfM: 5.00] out<- 3.0 01:T7 711.89 1.022 1977.0902 6150 150.79 223 .000
03887 [I/S/m: 1212.7 / 107.0 / 107.0]
03888 *****
03889 R1977:C00066-----DtmIn-ID:HYND-----AREAh-QFEARcm-TPeakDate h:hm:--Rvm-R.C-----DWfms
03890 ROUTE CHANNEL -> 5.0 01:T7 711.89 1.022 1977.0902 6150 150.79 223 .000
03891 [RfM: 5.00] out<- 3.0 01:T7 711.89 1.022 1977.0902 6150 150.79 223 .000
03892 [I/S/m: 1212.7 / 107.0 / 107.0]
03893 *****
03894 R1977:C00067-----DtmIn-ID:HYND-----AREAh-QFEARcm-TPeakDate h:hm:--Rvm-R.C-----DWfms
03895 ADD HYD + 5.0 01:T7 711.89 1.022 1977.0902 6150 150.79 223 .000
03896 [RfM: 5.00] out<- 3.0 01:T7 711.89 1.022 1977.0902 6150 150.79 223 .000
03897 [I/S/m: 1212.7 / 107.0 / 107.0]
03898 *****
03899 R1977:C00068-----DtmIn-ID:HYND-----AREAh-QFEARcm-TPeakDate h:hm:--Rvm-R.C-----DWfms
03900 ROUTE CHANNEL -> 5.0 01:T7 1205.51 6.877 1977.0902 7140 162.85 194 .000
03901 [RfM: 5.00] out<- 3.0 01:T7 1205.51 6.877 1977.0902 7140 162.85 194 .000
03902 [I/S/m: 1205.51 / 107.0 / 107.0]
03903 *****
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03961) *****
03962) R1978/C00004-----DtmIn-ID:HYD-----AREHA-QPEARms-TpeakDate hh:mm-----RvM-R-C-----DWFCms
03963) CONTINUOUS NASHBY 5.0 01:EXT1 60.46 .388 1978.0619 0:35 89.64 1:40 .000
03964) [Cm 51.0: Nm 3.00: Tpe 1.95]
03965) [IAREC=24.00: SMIN=79.45: SMAX=65.12: EK= 100]
03966) [InterEventTime 24.00]
03967) *****
03968) # EXT2
03969) *****
03970) R1978/C00005-----DtmIn-ID:HYD-----AREHA-QPEARms-TpeakDate hh:mm-----RvM-R-C-----DWFCms
03971) CONTINUOUS NASHBY 5.0 01:EXT2 7.62 .128 1978.0619 23:45 106.07 1:66 .000
03972) [Cm 63.0: Nm 3.00: Tpe .92]
03973) [IAREC=24.00: SMIN=59.42: SMAX=396.11: EK= 100]
03974) [InterEventTime 24.00]
03975) *****
03976) # EXT3
03977) *****
03978) R1978/C00006-----DtmIn-ID:HYD-----AREHA-QPEARms-TpeakDate hh:mm-----RvM-R-C-----DWFCms
03979) CONTINUOUS NASHBY 5.0 01:EXT3 17.96 .157 1978.0619 0:30 100.06 1:57 .000
03980) [Cm 58.0: Nm 3.00: Tpe 1.44]
03981) [IAREC=24.00: SMIN=70.11: SMAX=467.39: EK= 100]
03982) [InterEventTime 24.00]
03983) *****
03984) # EXT4
03985) *****
03986) R1978/C00007-----DtmIn-ID:HYD-----AREHA-QPEARms-TpeakDate hh:mm-----RvM-R-C-----DWFCms
03987) CONTINUOUS NASHBY 5.0 01:EXT4 1.64 .014 1978.0619 23:20 87.33 1:37 .000
03988) [Cm 48.0: Nm 3.00: Tpe .43]
03989) [IAREC=24.00: SMIN=109.74: SMAX=731.60: EK= 100]
03990) [InterEventTime 24.00]
03991) *****
03992) # EXT5
03993) *****
03994) R1978/C00008-----DtmIn-ID:HYD-----AREHA-QPEARms-TpeakDate hh:mm-----RvM-R-C-----DWFCms
03995) CONTINUOUS NASHBY 5.0 01:EXT5 1.55 .041 1978.0619 23:20 85.89 1:50 .000
03996) [Cm 56.0: Nm 3.00: Tpe .44]
03997) [IAREC=24.00: SMIN=79.45: SMAX=531.24: EK= 100]
03998) [InterEventTime 24.00]
03999) *****
04000) # M1
04001) *****
04002) R1978/C00009-----DtmIn-ID:HYD-----AREHA-QPEARms-TpeakDate hh:mm-----RvM-R-C-----DWFCms
04003) CONTINUOUS NASHBY 5.0 01:M1 111.89 .942 1978.0619 0:30 100.06 1:57 .000
04004) [Cm 59.0: Nm 3.00: Tpe 1.71]
04005) [IAREC=24.00: SMIN=79.45: SMAX=467.39: EK= 100]
04006) [InterEventTime 24.00]
04007) *****
04008) # M2
04009) *****
04010) R1978/C00010-----DtmIn-ID:HYD-----AREHA-QPEARms-TpeakDate hh:mm-----RvM-R-C-----DWFCms
04011) CONTINUOUS NASHBY 5.0 01:M2 119.73 .473 1978.0619 1:55 92.06 1:44 .000
04012) [Cm 58.0: Nm 3.00: Tpe 1.21]
04013) [IAREC=24.00: SMIN=91.01: SMAX=606.70: EK= 100]
04014) [InterEventTime 24.00]
04015) *****
04016) # M3
04017) *****
04018) R1978/C00011-----DtmIn-ID:HYD-----AREHA-QPEARms-TpeakDate hh:mm-----RvM-R-C-----DWFCms
04019) CONTINUOUS NASHBY 5.0 01:M3 39.07 .225 1978.0619 0:30 85.09 1:33 .000
04020) [Cm 48.0: Nm 3.00: Tpe .48]
04021) [IAREC=24.00: SMIN=121.19: SMAX=807.93: EK= 100]
04022) [InterEventTime 24.00]
04023) *****
04024) # M4
04025) *****
04026) R1978/C00012-----DtmIn-ID:HYD-----AREHA-QPEARms-TpeakDate hh:mm-----RvM-R-C-----DWFCms
04027) CONTINUOUS NASHBY 5.0 01:M4 50.96 .315 1978.0619 0:45 92.06 1:44 .000
04028) [Cm 53.0: Nm 3.00: Tpe 1.95]
04029) [IAREC=24.00: SMIN=95.01: SMAX=606.70: EK= 100]
04030) [InterEventTime 24.00]
04031) *****
04032) # M5
04033) *****
04034) R1978/C00013-----DtmIn-ID:HYD-----AREHA-QPEARms-TpeakDate hh:mm-----RvM-R-C-----DWFCms
04035) CONTINUOUS NASHBY 5.0 01:M5 56.26 .358 1978.0619 0:55 85.89 1:50 .000
04036) [Cm 56.0: Nm 3.00: Tpe 2.09]
04037) [IAREC=24.00: SMIN=79.45: SMAX=531.24: EK= 100]
04038) [InterEventTime 24.00]
04039) *****
04040) # M6
04041) *****
04042) R1978/C00014-----DtmIn-ID:HYD-----AREHA-QPEARms-TpeakDate hh:mm-----RvM-R-C-----DWFCms
04043) CONTINUOUS NASHBY 5.0 01:M6 25.62 .220 1978.0619 0:40 104.52 1:64 .000
04044) [Cm 62.0: Nm 3.00: Tpe 1.83]
04045) [IAREC=24.00: SMIN=63.86: SMAX=412.66: EK= 100]
04046) [InterEventTime 24.00]
04047) *****
04048) # M7
04049) *****
04050) R1978/C00015-----DtmIn-ID:HYD-----AREHA-QPEARms-TpeakDate hh:mm-----RvM-R-C-----DWFCms
04051) CONTINUOUS NASHBY 5.0 01:M7 47.26 .466 1978.0619 1:05 131.74 2:06 .000
04052) [Cm 78.0: Nm 3.00: Tpe .87]
04053) [IAREC=24.00: SMIN=33.81: SMAX=225.43: EK= 100]
04054) [InterEventTime 24.00]
04055) *****
04056) # M8
04057) *****
04058) R1978/C00016-----DtmIn-ID:HYD-----AREHA-QPEARms-TpeakDate hh:mm-----RvM-R-C-----DWFCms
04059) CONTINUOUS NASHBY 5.0 01:M8 14.26 .293 1978.0619 23:55 138.50 1:17 .000
04060) [Cm 78.0: Nm 3.00: Tpe 1.13]
04061) [IAREC=24.00: SMIN=29.88: SMAX=199.22: EK= 100]
04062) [InterEventTime 24.00]
04063) *****
04064) # M9
04065) *****
04066) R1978/C00017-----DtmIn-ID:HYD-----AREHA-QPEARms-TpeakDate hh:mm-----RvM-R-C-----DWFCms
04067) CONTINUOUS NASHBY 5.0 01:M9 24.24 .439 1978.0619 23:55 125.34 1:97 .000
04068) [Cm 73.0: Nm 3.00: Tpe 1.13]
04069) [IAREC=24.00: SMIN=38.18: SMAX=254.55: EK= 100]
04070) [InterEventTime 24.00]
04071) *****
04072) # SITE
04073) *****
04074) R1978/C00018-----DtmIn-ID:HYD-----AREHA-QPEARms-TpeakDate hh:mm-----RvM-R-C-----DWFCms
04075) CONTINUOUS STANBYD 5.0 01:SITE 60.48 .427 1978.0619 23:00 333.87 1:32 .000
04076) [XIMP: 65:TIMP=65]
04077) [Vertical axis: Iarea= 74.20: IPerf= 13.20: ICA=4.14: F= .00]
04078) [Horizontal axis: Iarea= 4.67: IPerf= 0.00: IGP= 40.00: IIMP= 250: ICF= 0]
04079) [Impervious area: Ialmp= 1.57: Ialmp2= 0.00: IGI= 635.00: IGI2= 0]
04080) [Iarec= 10.00: Iarec2= 24.00]
04081) *****
04082) # T1
04083) *****
04084) R1978/C00019-----DtmIn-ID:HYD-----AREHA-QPEARms-TpeakDate hh:mm-----RvM-R-C-----DWFCms
04085) CONTINUOUS NASHBY 5.0 01:T1 79.29 .948 1978.0619 0:25 139.75 1:87 .000
04086) [Cm 70.0: Nm 3.00: Tpe 1.64]
04087) [IAREC=24.00: SMIN=79.45: SMAX=287.10: EK= 100]
04088) [InterEventTime 24.00]
04089) *****
04090) # T2
04091) *****
04092) R1978/C00020-----DtmIn-ID:HYD-----AREHA-QPEARms-TpeakDate hh:mm-----RvM-R-C-----DWFCms
04093) CONTINUOUS NASHBY 5.0 01:T2 109.81 .971 1978.0619 1:10 123.57 1:93 .000
04094) [Cm 72.0: Nm 3.00: Tpe 2.34]
04095) [IAREC=24.00: SMIN=79.75: SMAX=264.99: EK= 100]
04096) [InterEventTime 24.00]
04097) *****
04098) # T3
04099) *****
04100) R1978/C00021-----DtmIn-ID:HYD-----AREHA-QPEARms-TpeakDate hh:mm-----RvM-R-C-----DWFCms
04101) CONTINUOUS NASHBY 5.0 01:T3 12.05 .260 1978.0619 23:40 119.75 1:87 .000
04102) [Cm 70.0: Nm 3.00: Tpe .87]
04103) [IAREC=24.00: SMIN=43.07: SMAX=287.10: EK= 100]
04104) [InterEventTime 24.00]
04105) *****
04106) # T4
04107) *****
04108) R1978/C00022-----DtmIn-ID:HYD-----AREHA-QPEARms-TpeakDate hh:mm-----RvM-R-C-----DWFCms
04109) CONTINUOUS NASHBY 5.0 01:T4 65.89 .767 1978.0619 0:35 123.57 1:93 .000
04110) [Cm 72.0: Nm 3.00: Tpe 1.76]
04111) [IAREC=24.00: SMIN=39.75: SMAX=264.99: EK= 100]
04112) [InterEventTime 24.00]
04113) *****
04114) # T5
04115) *****
04116) R1978/C00023-----DtmIn-ID:HYD-----AREHA-QPEARms-TpeakDate hh:mm-----RvM-R-C-----DWFCms
04117) CONTINUOUS NASHBY 5.0 01:T5 171.81 .943 1978.0619 1:50 107.66 1:69 .000
04118) [Cm 64.0: Nm 3.00: Tpe 3.07]
04119) [IAREC=24.00: SMIN=57.05: SMAX=380.32: EK= 100]
04120) [InterEventTime 24.00]
04121) *****
04122) # T6
04123) *****
04124) R1978/C00024-----DtmIn-ID:HYD-----AREHA-QPEARms-TpeakDate hh:mm-----RvM-R-C-----DWFCms
04125) CONTINUOUS NASHBY 5.0 01:T6 60.20 .478 1978.0619 1:45 136.18 2:13 .000
04126) [Cm 77.0: Nm 3.00: Tpe 2.98]
04127) [IAREC=24.00: SMIN=79.45: SMAX=207.66: EK= 100]
04128) [InterEventTime 24.00]
04129) *****
04130) # T7
04131) *****
04132) R1978/C00025-----DtmIn-ID:HYD-----AREHA-QPEARms-TpeakDate hh:mm-----RvM-R-C-----DWFCms
04133) CONTINUOUS NASHBY 5.0 01:T7 68.50 .541 1978.0619 1:25 123.57 1:93 .000
04134) [Cm 72.0: Nm 3.00: Tpe 2.63]
04135) [IAREC=24.00: SMIN=39.75: SMAX=264.99: EK= 100]
04136) [InterEventTime 24.00]
04137) *****
04138) R1978/C00026-----DtmIn-ID:HYD-----AREHA-QPEARms-TpeakDate hh:mm-----RvM-R-C-----DWFCms
04139) ROUTE CHANNEL -> 5.0 01:R1 111.89 .942 1978.0619 0:30 100.06 n/a .000
04140) [RDF= 5.00: out= 3.0 01:R1 111.89 .942 1978.0619 1:55 100.06 n/a .000

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046811 *****
046812 # EXT4
046813 *****
046814 R1980C0007-----DtmIn-ID:HYD-----AREBA-QFEARCS-TpeaDate hh:mm-----Rvm-R-C-----DWfms
046815 CONTINUOUS NASHYD 5.0 01:27X1 79.25 .743 1980.0902 3:30 137.19 .221 .000
046816 [Cm 48.0: N# 3.00: Tpe 1.44]
046817 [IaRC=24.00: SMIN=79.14: SMAX=731.60: E#K= 100]
046818 [InterEventTimes 24.00]
046819 *****
046820 # EXT3
046821 *****
046822 R1980C0008-----DtmIn-ID:HYD-----AREBA-QFEARCS-TpeaDate hh:mm-----Rvm-R-C-----DWfms
046823 CONTINUOUS NASHYD 5.0 01:27X5 1.95 .023 1980.0902 2:10 112.16 .180 .000
046824 [Cm 56.0: N# 3.00: Tpe 1.44]
046825 [IaRC=24.00: SMIN=79.69: SMAX=531.24: E#K= 100]
046826 [InterEventTimes 24.00]
046827 *****
046828 # M1
046829 *****
046830 R1980C0009-----DtmIn-ID:HYD-----AREBA-QFEARCS-TpeaDate hh:mm-----Rvm-R-C-----DWfms
046831 CONTINUOUS NASHYD 5.0 01:27 111.89 .839 1980.0902 3:35 116.74 .188 .000
046832 [Cm 59.0: N# 3.00: Tpe 1.17]
046833 [IaRC=24.00: SMIN=70.11: SMAX=467.39: E#K= 100]
046834 [InterEventTimes 24.00]
046835 *****
046836 # M2
046837 *****
046838 R1980C0010-----DtmIn-ID:HYD-----AREBA-QFEARCS-TpeaDate hh:mm-----Rvm-R-C-----DWfms
046839 CONTINUOUS NASHYD 5.0 01:28 119.73 .477 1980.0902 5:00 107.80 .173 .000
046840 [Cm 61.0: N# 3.00: Tpe 1.19]
046841 [IaRC=24.00: SMIN=91.01: SMAX=606.70: E#K= 100]
046842 [InterEventTimes 24.00]
046843 *****
046844 # M3
046845 *****
046846 R1980C0011-----DtmIn-ID:HYD-----AREBA-QFEARCS-TpeaDate hh:mm-----Rvm-R-C-----DWfms
046847 CONTINUOUS NASHYD 5.0 01:28 39.07 .222 1980.0902 3:35 99.55 .160 .000
046848 [Cm 46.0: N# 3.00: Tpe 1.68]
046849 [IaRC=24.00: SMIN=121.99: SMAX=807.93: E#K= 100]
046850 [InterEventTimes 24.00]
046851 *****
046852 # M4
046853 *****
046854 R1980C0012-----DtmIn-ID:HYD-----AREBA-QFEARCS-TpeaDate hh:mm-----Rvm-R-C-----DWfms
046855 CONTINUOUS NASHYD 5.0 01:28 50.96 .103 1980.0902 3:50 107.80 .173 .000
046856 [Cm 53.0: N# 3.00: Tpe 1.95]
046857 [IaRC=24.00: SMIN=93.61: SMAX=606.70: E#K= 100]
046858 [InterEventTimes 24.00]
046859 *****
046860 # M5
046861 *****
046862 R1980C0013-----DtmIn-ID:HYD-----AREBA-QFEARCS-TpeaDate hh:mm-----Rvm-R-C-----DWfms
046863 CONTINUOUS NASHYD 5.0 01:28 56.26 .338 1980.0902 4:00 112.16 .180 .000
046864 [Cm 56.0: N# 3.00: Tpe 2.09]
046865 [IaRC=24.00: SMIN=89.65: SMAX=531.24: E#K= 100]
046866 [InterEventTimes 24.00]
046867 *****
046868 # M6
046869 *****
046870 R1980C0014-----DtmIn-ID:HYD-----AREBA-QFEARCS-TpeaDate hh:mm-----Rvm-R-C-----DWfms
046871 CONTINUOUS NASHYD 5.0 01:28 25.62 .193 1980.0902 3:45 101.52 .195 .000
046872 [Cm 73.0: N# 3.00: Tpe 1.49]
046873 [IaRC=24.00: SMIN=61.90: SMAX=412.66: E#K= 100]
046874 [InterEventTimes 24.00]
046875 *****
046876 # M7
046877 *****
046878 R1980C0015-----DtmIn-ID:HYD-----AREBA-QFEARCS-TpeaDate hh:mm-----Rvm-R-C-----DWfms
046879 CONTINUOUS NASHYD 5.0 01:28 47.26 .363 1980.0902 4:10 149.01 .240 .000
046880 [Cm 73.0: N# 3.00: Tpe 1.49]
046881 [IaRC=24.00: SMIN=33.81: SMAX=225.43: E#K= 100]
046882 [InterEventTimes 24.00]
046883 *****
046884 # M8
046885 *****
046886 R1980C0016-----DtmIn-ID:HYD-----AREBA-QFEARCS-TpeaDate hh:mm-----Rvm-R-C-----DWfms
046887 CONTINUOUS NASHYD 5.0 01:28 14.26 .190 1980.0902 3:00 155.43 .250 .000
046888 [Cm 78.0: N# 3.00: Tpe 1.13]
046889 [IaRC=24.00: SMIN=29.88: SMAX=199.22: E#K= 100]
046890 [InterEventTimes 24.00]
046891 *****
046892 # M9
046893 *****
046894 R1980C0017-----DtmIn-ID:HYD-----AREBA-QFEARCS-TpeaDate hh:mm-----Rvm-R-C-----DWfms
046895 CONTINUOUS NASHYD 5.0 01:29 24.24 .102 1980.0902 3:00 142.84 .230 .000
046896 [Cm 73.0: N# 3.00: Tpe 1.13]
046897 [IaRC=24.00: SMIN=39.11: SMAX=254.55: E#K= 100]
046898 [InterEventTimes 24.00]
046899 *****
046900 # SITE
046901 *****
046902 R1980C0018-----DtmIn-ID:HYD-----AREBA-QFEARCS-TpeaDate hh:mm-----Rvm-R-C-----DWfms
046903 CONTINUOUS STANDYD 5.0 01:27E 60.48 1.584 1980.0902 20:00 323.47 .520 .000
046904 [XIMP=65:IMP#=65]
046905 [HORIZ: parameters: Fm= 76.20:Fm= 13.20:LOC#4=1.14: F# = 0]
046906 [Previous area: Iapex= 4.67:SLP#2.00:IG# = 4.0:IMP#=20:ISCT# = 0]
046907 [Impedance area: Iapex= 4.67:SLP#2.00:IG# = 635:WHI= 01:ISCT# = 0]
046908 [IaRCslp= 10.00: IaRCp= 24.00]
046909 *****
046910 # T1
046911 *****
046912 R1980C0019-----DtmIn-ID:HYD-----AREBA-QFEARCS-TpeaDate hh:mm-----Rvm-R-C-----DWfms
046913 CONTINUOUS NASHYD 5.0 01:27 79.25 .743 1980.0902 3:30 137.19 .221 .000
046914 [Cm 70.0: N# 3.00: Tpe 1.44]
046915 [IaRC=24.00: SMIN=287.10: E#K= 100]
046916 [InterEventTimes 24.00]
046917 *****
046918 # T2
046919 *****
046920 R1980C0020-----DtmIn-ID:HYD-----AREBA-QFEARCS-TpeaDate hh:mm-----Rvm-R-C-----DWfms
046921 CONTINUOUS NASHYD 5.0 01:27 109.81 .792 1980.0902 4:10 140.99 .227 .000
046922 [Cm 72.0: N# 3.00: Tpe 1.76]
046923 [IaRC=24.00: SMIN=39.75: SMAX=264.99: E#K= 100]
046924 [InterEventTimes 24.00]
046925 *****
046926 # T3
046927 *****
046928 R1980C0021-----DtmIn-ID:HYD-----AREBA-QFEARCS-TpeaDate hh:mm-----Rvm-R-C-----DWfms
046929 CONTINUOUS NASHYD 5.0 01:27 12.05 .169 1980.0902 2:40 137.19 .221 .000
046930 [Cm 70.0: N# 3.00: Tpe 1.44]
046931 [IaRC=24.00: SMIN=43.07: SMAX=287.10: E#K= 100]
046932 [InterEventTimes 24.00]
046933 *****
046934 # T4
046935 *****
046936 R1980C0022-----DtmIn-ID:HYD-----AREBA-QFEARCS-TpeaDate hh:mm-----Rvm-R-C-----DWfms
046937 CONTINUOUS NASHYD 5.0 01:27 65.89 .600 1980.0902 3:40 140.99 .227 .000
046938 [Cm 72.0: N# 3.00: Tpe 1.76]
046939 [IaRC=24.00: SMIN=39.75: SMAX=264.99: E#K= 100]
046940 [InterEventTimes 24.00]
046941 *****
046942 # T5
046943 *****
046944 R1980C0023-----DtmIn-ID:HYD-----AREBA-QFEARCS-TpeaDate hh:mm-----Rvm-R-C-----DWfms
046945 CONTINUOUS NASHYD 5.0 01:27 171.83 .490 1980.0902 4:55 154.82 .201 .000
046946 [Cm 64.0: N# 3.00: Tpe 1.07]
046947 [IaRC=24.00: SMIN=37.05: SMAX=380.32: E#K= 100]
046948 [InterEventTimes 24.00]
046949 *****
046950 # T6
046951 *****
046952 R1980C0024-----DtmIn-ID:HYD-----AREBA-QFEARCS-TpeaDate hh:mm-----Rvm-R-C-----DWfms
046953 CONTINUOUS NASHYD 5.0 01:27 60.20 .374 1980.0902 4:50 153.25 .246 .000
046954 [Cm 77.0: N# 3.00: Tpe 2.98]
046955 [IaRC=24.00: SMIN=39.11: SMAX=207.66: E#K= 100]
046956 [InterEventTimes 24.00]
046957 *****
046958 # T7
046959 *****
046960 R1980C0025-----DtmIn-ID:HYD-----AREBA-QFEARCS-TpeaDate hh:mm-----Rvm-R-C-----DWfms
046961 CONTINUOUS NASHYD 5.0 01:27 68.50 .446 1980.0902 4:10 140.99 .227 .000
046962 [Cm 72.0: N# 3.00: Tpe 1.63]
046963 [IaRC=24.00: SMIN=39.75: SMAX=264.99: E#K= 100]
046964 [InterEventTimes 24.00]
046965 *****
046966 R1980C0026-----DtmIn-ID:HYD-----AREBA-QFEARCS-TpeaDate hh:mm-----Rvm-R-C-----DWfms
046967 ROUTE CHANNEL -> 5.0 01:28 111.89 .551 1980.0902 4:55 116.73 n/a .000
046968 [RDT= 5.00: out= 5.0 01:28 111.89 .551 1980.0902 4:55 116.73 n/a .000]
046969 [L/S#m= 2181.7 / 109.035]
046970 [Vmax= 311:Imax= 292]
046971 *****
046972 R1980C0027-----DtmIn-ID:HYD-----AREBA-QFEARCS-TpeaDate hh:mm-----Rvm-R-C-----DWfms
046973 ADD HYD + 5.0 02:32 119.73 .477 1980.0902 5:00 107.80 n/a .000
046974 + 5.0 02:32 39.07 .222 1980.0902 3:35 99.55 n/a .000
046975 + 5.0 02:32 270.69 1.190 1980.0902 4:40 110.30 n/a .000
046976 SUM= 5.0 01:27 270.69 1.190 1980.0902 4:40 110.30 n/a .000
046977 R1980C0028-----DtmIn-ID:HYD-----AREBA-QFEARCS-TpeaDate hh:mm-----Rvm-R-C-----DWfms
046978 ROUTE CHANNEL -> 5.0 01:28 270.69 1.181 1980.0902 4:55 110.30 n/a .000
046979 [RDT= 5.00: out= 5.0 01:28 270.69 1.181 1980.0902 4:55 110.30 n/a .000]
046980 [L/S#m= 471.7 / 221.035]
046981 [Vmax= 461:Imax= 292]
046982 *****
046983 R1980C0029-----DtmIn-ID:HYD-----AREBA-QFEARCS-TpeaDate hh:mm-----Rvm-R-C-----DWfms
046984 ADD HYD + 5.0 02:34 50.96 .103 1980.0902 3:50 107.80 n/a .000
046985 + 5.0 02:34 321.65 1.442 1980.0902 4:40 109.90 n/a .000
046986 SUM= 5.0 01:27 321.65 1.442 1980.0902 4:40 109.90 n/a .000
046987 R1980C0030-----DtmIn-ID:HYD-----AREBA-QFEARCS-TpeaDate hh:mm-----Rvm-R-C-----DWfms
046988 ROUTE CHANNEL -> 5.0 02:33 321.65 1.442 1980.0902 4:40 109.90 n/a .000
046989 [RDT= 5.00: out= 5.0 02:33 321.65 1.442 1980.0902 4:40 109.90 n/a .000]
046990 [L/S#m= 734.7 / 350.035]
046991 [Vmax= 316:Imax= 292]
046992 *****
046993 R1980C0031-----DtmIn-ID:HYD-----AREBA-QFEARCS-TpeaDate hh:mm-----Rvm-R-C-----DWfms

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05041# R1981C00008-----DtmIn-ID:HVND-----AREAh-QFEARcns-TPeakDate hh:mm-----RvMm-R-C-----DWfms
05042# CONTINUOUS NASHYD 5.0 01:82X7 1.55 1.03 1981.0805 8:05 247.37 264 .000
05043# [Cm 56.0; N= 3.00; Tm= 44]
05044# [IAREC=24.00; SMIN= 79.69; SMAX=531.24; Etk= 100]
05045# [InterEventTimes 24.00]
05046# *****
05047# # M#
05048# *****
05049# R1981C00009-----DtmIn-ID:HVND-----AREAh-QFEARcns-TPeakDate hh:mm-----RvMm-R-C-----DWfms
05050# CONTINUOUS NASHYD 5.0 01:82 119.73 2.957 1981.0805 11:30 240.83 257 .000
05051# [Cm 59.0; N= 3.00; Tm= 1.71]
05052# [IAREC=24.00; SMIN= 70.11; SMAX=467.39; Etk= 100]
05053# [InterEventTimes 24.00]
05054# *****
05055# # M#
05056# *****
05057# R1981C00010-----DtmIn-ID:HVND-----AREAh-QFEARcns-TPeakDate hh:mm-----RvMm-R-C-----DWfms
05058# CONTINUOUS NASHYD 5.0 01:82 119.73 2.957 1981.0805 11:30 240.83 257 .000
05059# [Cm 51.0; N= 3.00; Tm= 3.12]
05060# [IAREC=24.00; SMIN= 61.93; SMAX=606.70; Etk= 100]
05061# [InterEventTimes 24.00]
05062# *****
05063# # M#
05064# *****
05065# R1981C00011-----DtmIn-ID:HVND-----AREAh-QFEARcns-TPeakDate hh:mm-----RvMm-R-C-----DWfms
05066# CONTINUOUS NASHYD 5.0 01:83 39.07 1.185 1981.0805 9:40 228.40 244 .000
05067# [Cm 46.0; N= 3.00; Tm= 1.08]
05068# [IAREC=24.00; SMIN=121.19; SMAX=807.93; Etk= 100]
05069# [InterEventTimes 24.00]
05070# *****
05071# # M#
05072# *****
05073# R1981C00012-----DtmIn-ID:HVND-----AREAh-QFEARcns-TPeakDate hh:mm-----RvMm-R-C-----DWfms
05074# CONTINUOUS NASHYD 5.0 01:84 50.96 1.651 1981.0805 10:05 240.83 257 .000
05075# [Cm 51.0; N= 3.00; Tm= 1.95]
05076# [IAREC=24.00; SMIN= 91.01; SMAX=606.70; Etk= 100]
05077# [InterEventTimes 24.00]
05078# *****
05079# # M#
05080# *****
05081# R1981C00013-----DtmIn-ID:HVND-----AREAh-QFEARcns-TPeakDate hh:mm-----RvMm-R-C-----DWfms
05082# CONTINUOUS NASHYD 5.0 01:82 56.26 1.863 1981.0805 10:15 247.37 264 .000
05083# [Cm 56.0; N= 3.00; Tm= 2.09]
05084# [IAREC=24.00; SMIN= 79.69; SMAX=531.24; Etk= 100]
05085# [InterEventTimes 24.00]
05086# *****
05087# # M#
05088# *****
05089# R1981C00014-----DtmIn-ID:HVND-----AREAh-QFEARcns-TPeakDate hh:mm-----RvMm-R-C-----DWfms
05090# CONTINUOUS NASHYD 5.0 01:83 29.62 1.004 1981.0805 9:45 261.84 280 .000
05091# [Cm 62.0; N= 3.00; Tm= 1.83]
05092# [IAREC=24.00; SMIN= 61.93; SMAX=412.66; Etk= 100]
05093# [InterEventTimes 24.00]
05094# *****
05095# # M#
05096# *****
05097# R1981C00015-----DtmIn-ID:HVND-----AREAh-QFEARcns-TPeakDate hh:mm-----RvMm-R-C-----DWfms
05098# CONTINUOUS NASHYD 5.0 01:87 47.26 1.956 1981.0805 10:20 303.47 324 .000
05099# [Cm 75.0; N= 3.00; Tm= 2.29]
05100# [IAREC=24.00; SMIN= 4.67; SMAX=225.43; Etk= 100]
05101# [InterEventTimes 24.00]
05102# *****
05103# # M#
05104# *****
05105# R1981C00016-----DtmIn-ID:HVND-----AREAh-QFEARcns-TPeakDate hh:mm-----RvMm-R-C-----DWfms
05106# CONTINUOUS NASHYD 5.0 01:88 14.26 .911 1981.0805 8:35 313.53 335 .000
05107# [Cm 51.0; N= 3.00; Tm= 1.81]
05108# [IAREC=24.00; SMIN= 29.88; SMAX=199.22; Etk= 100]
05109# [InterEventTimes 24.00]
05110# *****
05111# # M#
05112# *****
05113# R1981C00017-----DtmIn-ID:HVND-----AREAh-QFEARcns-TPeakDate hh:mm-----RvMm-R-C-----DWfms
05114# CONTINUOUS NASHYD 5.0 01:89 24.24 1.458 1981.0805 8:40 294.17 314 .000
05115# [Cm 72.0; N= 3.00; Tm= 1.83]
05116# [IAREC=24.00; SMIN= 38.18; SMAX=254.55; Etk= 100]
05117# [InterEventTimes 24.00]
05118# *****
05119# # SITE
05120# *****
05121# R1981C00018-----DtmIn-ID:HVND-----AREAh-QFEARcns-TPeakDate hh:mm-----RvMm-R-C-----DWfms
05122# CONTINUOUS STANHYD 5.0 01:87 60.48 4.314 1981.0805 8:00 512.34 547 .000
05123# [XIMP; 65; TIMP= 65]
05124# [Horizon parameters: P0= 76.20; P1= 13.20; DCON=14; P= 0]
05125# [Permeable area: Iperm= 4.67; SIFP= 20; IIMP= 40; IMF= 250; SFC= 0]
05126# [Impermeable area: Iimp= 1.57; SIF2= 0; I2= 635; IMI= 0; ISCI= 0]
05127# [IAREC= 24.00]
05128# *****
05129# # T#
05130# *****
05131# R1981C00019-----DtmIn-ID:HVND-----AREAh-QFEARcns-TPeakDate hh:mm-----RvMm-R-C-----DWfms
05132# CONTINUOUS NASHYD 5.0 01:87 79.25 3.726 1981.0805 9:20 285.34 305 .000
05133# [Cm 70.0; N= 3.00; Tm= 1.64]
05134# [IAREC=24.00; SMIN= 42.07; SMAX=287.10; Etk= 100]
05135# [InterEventTimes 24.00]
05136# *****
05137# # T#
05138# *****
05139# R1981C00020-----DtmIn-ID:HVND-----AREAh-QFEARcns-TPeakDate hh:mm-----RvMm-R-C-----DWfms
05140# CONTINUOUS NASHYD 5.0 01:87 159.81 4.314 1981.0805 10:45 281.25 311 .000
05141# [Cm 72.0; N= 3.00; Tm= 2.34]
05142# [IAREC=24.00; SMIN= 39.75; SMAX=264.99; Etk= 100]
05143# [InterEventTimes 24.00]
05144# *****
05145# # T#
05146# *****
05147# R1981C00021-----DtmIn-ID:HVND-----AREAh-QFEARcns-TPeakDate hh:mm-----RvMm-R-C-----DWfms
05148# CONTINUOUS NASHYD 5.0 01:73 12.05 .799 1981.0805 8:20 285.34 305 .000
05149# [Cm 70.0; N= 3.00; Tm= .87]
05150# [IAREC=24.00; SMIN= 37.07; SMAX=287.10; Etk= 100]
05151# [InterEventTimes 24.00]
05152# *****
05153# # T#
05154# *****
05155# R1981C00022-----DtmIn-ID:HVND-----AREAh-QFEARcns-TPeakDate hh:mm-----RvMm-R-C-----DWfms
05156# CONTINUOUS NASHYD 5.0 01:74 65.89 3.041 1981.0805 9:30 291.25 311 .000
05157# [Cm 72.0; N= 3.00; Tm= 1.81]
05158# [IAREC=24.00; SMIN= 39.75; SMAX=264.99; Etk= 100]
05159# [InterEventTimes 24.00]
05160# *****
05161# # T#
05162# *****
05163# R1981C00023-----DtmIn-ID:HVND-----AREAh-QFEARcns-TPeakDate hh:mm-----RvMm-R-C-----DWfms
05164# CONTINUOUS NASHYD 5.0 01:75 171.81 5.132 1981.0805 11:20 266.86 285 .000
05165# [Cm 66.0; N= 3.00; Tm= 1.07]
05166# [IAREC=24.00; SMIN= 57.05; SMAX=380.32; Etk= 100]
05167# [InterEventTimes 24.00]
05168# *****
05169# # T#
05170# *****
05171# R1981C00024-----DtmIn-ID:HVND-----AREAh-QFEARcns-TPeakDate hh:mm-----RvMm-R-C-----DWfms
05172# CONTINUOUS NASHYD 5.0 01:76 60.20 2.157 1981.0805 11:10 310.34 331 .000
05173# [Cm 77.0; N= 3.00; Tm= 2.98]
05174# [IAREC=24.00; SMIN= 31.15; SMAX=207.66; Etk= 100]
05175# [InterEventTimes 24.00]
05176# *****
05177# # T#
05178# *****
05179# R1981C00025-----DtmIn-ID:HVND-----AREAh-QFEARcns-TPeakDate hh:mm-----RvMm-R-C-----DWfms
05180# CONTINUOUS NASHYD 5.0 01:77 68.50 2.509 1981.0805 10:45 281.25 311 .000
05181# [Cm 72.0; N= 3.00; Tm= 2.63]
05182# [IAREC=24.00; SMIN= 39.75; SMAX=264.99; Etk= 100]
05183# [InterEventTimes 24.00]
05184# *****
05185# R1981C00026-----DtmIn-ID:HVND-----AREAh-QFEARcns-TPeakDate hh:mm-----RvMm-R-C-----DWfms
05186# ROUTE CHANNEL -> 5.0 02:81 111.89 4.341 1981.0805 9:35 254.51 n/a .000
05187# [RDF= 5.00; outc= 5.0 01:83 111.89 4.341 1981.0805 10:50 254.50 n/a .000]
05188# [L/S= N= 2381. / .100 / .035]
05189# [Vmax= .459; Dmax= .499]
05190# R1981C00027-----DtmIn-ID:HVND-----AREAh-QFEARcns-TPeakDate hh:mm-----RvMm-R-C-----DWfms
05191# ADD HYD + 5.0 02:81 111.89 3.834 1981.0805 10:50 254.50 n/a .000
05192# + 5.0 02:82 119.73 2.957 1981.0805 11:30 240.83 n/a .000
05193# + 5.0 02:83 39.07 1.185 1981.0805 9:40 228.40 n/a .000
05194# SUM= 5.0 01:82 270.69 7.766 1981.0805 10:55 244.68 n/a .000
05195# R1981C00028-----DtmIn-ID:HVND-----AREAh-QFEARcns-TPeakDate hh:mm-----RvMm-R-C-----DWfms
05196# ROUTE CHANNEL -> 5.0 02:22 270.69 7.766 1981.0805 10:55 244.68 n/a .000
05197# [RDF= 5.00; outc= 5.0 01:82 270.69 7.766 1981.0805 11:10 244.68 n/a .000]
05198# [L/S= N= 471. / .221 / .035]
05199# [Vmax= .747; Dmax= .747]
05200# R1981C00029-----DtmIn-ID:HVND-----AREAh-QFEARcns-TPeakDate hh:mm-----RvMm-R-C-----DWfms
05201# ADD HYD + 5.0 02:82 270.69 7.690 1981.0805 11:10 244.68 n/a .000
05202# + 5.0 02:83 50.96 1.651 1981.0805 10:05 240.83 n/a .000
05203# SUM= 5.0 01:83 321.65 9.203 1981.0805 11:05 244.07 n/a .000
05204# R1981C00030-----DtmIn-ID:HVND-----AREAh-QFEARcns-TPeakDate hh:mm-----RvMm-R-C-----DWfms
05205# ROUTE CHANNEL -> 5.0 01:83 321.65 9.203 1981.0805 11:05 244.07 n/a .000
05206# [RDF= 5.00; outc= 5.0 01:83 321.65 9.203 1981.0805 11:20 244.07 n/a .000]
05207# [L/S= N= 1074. / .100 / .035]
05208# [Vmax= .569; Dmax= .747]
05209# R1981C00031-----DtmIn-ID:HVND-----AREAh-QFEARcns-TPeakDate hh:mm-----RvMm-R-C-----DWfms
05210# ADD HYD + 5.0 02:85 321.65 9.046 1981.0805 11:20 244.07 n/a .000
05211# + 5.0 02:85 56.26 1.863 1981.0805 10:15 247.37 n/a .000
05212# SUM= 5.0 01:83 377.91 10.762 1981.0805 11:15 244.59 n/a .000
05213# R1981C00032-----DtmIn-ID:HVND-----AREAh-QFEARcns-TPeakDate hh:mm-----RvMm-R-C-----DWfms
05214# ROUTE CHANNEL -> 5.0 02:24 377.91 10.762 1981.0805 11:15 244.59 n/a .000
05215# [RDF= 5.00; outc= 5.0 01:83 377.91 10.762 1981.0805 11:25 244.59 n/a .000]
05216# [L/S= N= 664. / .157 / .035]
05217# [Vmax= .779; Dmax= .747]
05218# R1981C00033-----DtmIn-ID:HVND-----AREAh-QFEARcns-TPeakDate hh:mm-----RvMm-R-C-----DWfms
05219# ADD HYD + 5.0 02:87X1 60.46 1.962 1981.0805 9:45 236.49 n/a .000
05220# + 5.0 02:87X2 7.62 .443 1981.0805 8:25 244.34 n/a .000

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05401 [IAREC=24.00; SMINH=70.11; SMAX=467.39; EKE= 100]
05402 *****
05403 *****
05404 # M2
05405 *****
05406 R1982C0001-----DtmIn-ID:HNVD-----AREAhA-OPEARcMs-TPeakDate_hh:mm-----RvM-R-C-----DMFms
05407 CONTINUOUS NASHVD 5.0 01:182 119.73 .483 1982.0825_20:40 79.85 134 .000
05408 [Cm= 53.0; Nr= 3.00; Tpe= 3.12]
05409 [IAREC=24.00; SMINH= 91.01; SMAX=606.70; EKE= 100]
05410 *****
05411 # M0
05412 *****
05413 R1982C0001-----DtmIn-ID:HNVD-----AREAhA-OPEARcMs-TPeakDate_hh:mm-----RvM-R-C-----DMFms
05414 CONTINUOUS NASHVD 5.0 01:184 50.96 .265 1982.0825_19:15 79.85 134 .000
05415 [Cm= 51.0; Nr= 3.00; Tpe= 1.93]
05416 [IAREC=24.00; SMINH= 91.03; SMAX=606.70; EKE= 100]
05417 *****
05418 [IAREC=24.00; SMINH= 91.03; SMAX=607.93; EKE= 100]
05419 *****
05420 *****
05421 # M4
05422 *****
05423 R1982C0001-----DtmIn-ID:HNVD-----AREAhA-OPEARcMs-TPeakDate_hh:mm-----RvM-R-C-----DMFms
05424 CONTINUOUS NASHVD 5.0 01:184 50.96 .265 1982.0825_19:15 79.85 134 .000
05425 [Cm= 51.0; Nr= 3.00; Tpe= 1.93]
05426 [IAREC=24.00; SMINH= 91.03; SMAX=606.70; EKE= 100]
05427 *****
05428 # M5
05429 *****
05430 R1982C0001-----DtmIn-ID:HNVD-----AREAhA-OPEARcMs-TPeakDate_hh:mm-----RvM-R-C-----DMFms
05431 CONTINUOUS NASHVD 5.0 01:185 56.26 .310 1982.0825_19:25 82.78 139 .000
05432 [Cm= 56.0; Nr= 3.00; Tpe= 1.68]
05433 [IAREC=24.00; SMINH= 79.69; SMAX=531.24; EKE= 100]
05434 *****
05435 # M6
05436 *****
05437 R1982C0001-----DtmIn-ID:HNVD-----AREAhA-OPEARcMs-TPeakDate_hh:mm-----RvM-R-C-----DMFms
05438 CONTINUOUS NASHVD 5.0 01:186 25.62 .178 1982.0825_19:00 89.17 150 .000
05439 [Cm= 62.0; Nr= 3.00; Tpe= 1.83]
05440 [IAREC=24.00; SMINH= 61.90; SMAX=412.66; EKE= 100]
05441 *****
05442 *****
05443 # M7
05444 *****
05445 R1982C0001-----DtmIn-ID:HNVD-----AREAhA-OPEARcMs-TPeakDate_hh:mm-----RvM-R-C-----DMFms
05446 CONTINUOUS NASHVD 5.0 01:187 47.26 .409 1982.0825_19:30 109.81 184 .000
05447 [Cm= 75.0; Nr= 3.00; Tpe= 2.29]
05448 [IAREC=24.00; SMINH= 39.81; SMAX=225.43; EKE= 100]
05449 *****
05450 *****
05451 # M8
05452 *****
05453 R1982C0001-----DtmIn-ID:HNVD-----AREAhA-OPEARcMs-TPeakDate_hh:mm-----RvM-R-C-----DMFms
05454 CONTINUOUS NASHVD 5.0 01:188 54.836 .185 1982.0825_19:50 135.15 193 .000
05455 [Cm= 78.0; Nr= 3.00; Tpe= 1.13]
05456 [IAREC=24.00; SMINH= 39.81; SMAX=199.22; EKE= 100]
05457 *****
05458 *****
05459 # M9
05460 *****
05461 R1982C0001-----DtmIn-ID:HNVD-----AREAhA-OPEARcMs-TPeakDate_hh:mm-----RvM-R-C-----DMFms
05462 CONTINUOUS NASHVD 5.0 01:189 24.24 .278 1982.0825_17:50 104.87 176 .000
05463 [Cm= 71.0; Nr= 3.00; Tpe= 1.13]
05464 [IAREC=24.00; SMINH= 24.18; SMAX=254.55; EKE= 100]
05465 *****
05466 *****
05467 # SITE
05468 *****
05469 R1982C0001-----DtmIn-ID:HNVD-----AREAhA-OPEARcMs-TPeakDate_hh:mm-----RvM-R-C-----DMFms
05470 CONTINUOUS STANHDV 5.0 01:SITE 60.48 2.127 1982.0802_11:00 308.05 517 .000
05471 [XINP= 4.5; TIRM= 45]
05472 *****
05473 *****
05474 *****
05475 *****
05476 *****
05477 *****
05478 # T1
05479 *****
05480 R1982C0001-----DtmIn-ID:HNVD-----AREAhA-OPEARcMs-TPeakDate_hh:mm-----RvM-R-C-----DMFms
05481 CONTINUOUS NASHVD 5.0 01:171 79.25 .720 1982.0825_18:35 100.46 169 .000
05482 [Cm= 71.0; Nr= 3.00; Tpe= 1.64]
05483 [IAREC=24.00; SMINH= 43.07; SMAX=287.10; EKE= 100]
05484 *****
05485 *****
05486 # T2
05487 *****
05488 R1982C0002-----DtmIn-ID:HNVD-----AREAhA-OPEARcMs-TPeakDate_hh:mm-----RvM-R-C-----DMFms
05489 CONTINUOUS NASHVD 5.0 01:172 109.81 .866 1982.0825_19:35 103.31 173 .000
05490 [Cm= 72.0; Nr= 3.00; Tpe= 1.64]
05491 [IAREC=24.00; SMINH= 39.75; SMAX=264.99; EKE= 100]
05492 *****
05493 *****
05494 # T3
05495 *****
05496 R1982C0002-----DtmIn-ID:HNVD-----AREAhA-OPEARcMs-TPeakDate_hh:mm-----RvM-R-C-----DMFms
05497 CONTINUOUS NASHVD 5.0 01:173 12.05 .144 1982.0825_17:35 100.46 169 .000
05498 [Cm= 70.0; Nr= 3.00; Tpe= .87]
05499 [IAREC=24.00; SMINH= 43.07; SMAX=287.10; EKE= 100]
05500 *****
05501 *****
05502 # T4
05503 *****
05504 R1982C0002-----DtmIn-ID:HNVD-----AREAhA-OPEARcMs-TPeakDate_hh:mm-----RvM-R-C-----DMFms
05505 CONTINUOUS NASHVD 5.0 01:174 65.885 .404 1982.0825_18:45 103.31 173 .000
05506 [Cm= 72.0; Nr= 3.00; Tpe= 1.76]
05507 [IAREC=24.00; SMINH= 39.81; SMAX=264.99; EKE= 100]
05508 *****
05509 *****
05510 # T5
05511 *****
05512 R1982C0002-----DtmIn-ID:HNVD-----AREAhA-OPEARcMs-TPeakDate_hh:mm-----RvM-R-C-----DMFms
05513 CONTINUOUS NASHVD 5.0 01:175 171.81 .944 1982.0825_20:30 91.47 153 .000
05514 [Cm= 64.0; Nr= 3.00; Tpe= 3.07]
05515 [IAREC=24.00; SMINH= 39.81; SMAX=380.32; EKE= 100]
05516 *****
05517 *****
05518 # T6
05519 *****
05520 R1982C0002-----DtmIn-ID:HNVD-----AREAhA-OPEARcMs-TPeakDate_hh:mm-----RvM-R-C-----DMFms
05521 CONTINUOUS NASHVD 5.0 01:176 60.20 .464 1982.0825_20:20 113.32 190 .000
05522 [Cm= 72.0; Nr= 3.00; Tpe= 1.94]
05523 [IAREC=24.00; SMINH= 31.15; SMAX=207.66; EKE= 100]
05524 *****
05525 *****
05526 # T7
05527 *****
05528 R1982C0002-----DtmIn-ID:HNVD-----AREAhA-OPEARcMs-TPeakDate_hh:mm-----RvM-R-C-----DMFms
05529 CONTINUOUS NASHVD 5.0 01:177 68.50 .506 1982.0825_19:55 103.31 173 .000
05530 [Cm= 72.0; Nr= 3.00; Tpe= 2.63]
05531 [IAREC=24.00; SMINH= 39.75; SMAX=264.99; EKE= 100]
05532 *****
05533 *****
05534 R1982C0002-----DtmIn-ID:HNVD-----AREAhA-OPEARcMs-TPeakDate_hh:mm-----RvM-R-C-----DMFms
05535 ROUTE CHANNEL -> 5.0 01:181 111.89 .561 1982.0825_20:30 85.88 n/a .000
05536 [RDT= 5.00] out<- 5.0 01:181 111.89 .561 1982.0825_20:30 85.88 n/a .000
05537 [I/S= 2381./ 100./035]
05538 [Vmax= .309; Dmax= .395]
05539 R1982C0002-----DtmIn-ID:HNVD-----AREAhA-OPEARcMs-TPeakDate_hh:mm-----RvM-R-C-----DMFms
05540 ADD HYD + 5.0 02:182 119.73 .483 1982.0825_20:40 79.85 n/a .000
05541 [RDT= 5.00] out<- 5.0 02:182 119.73 .483 1982.0825_20:40 79.85 n/a .000
05542 [I/S= 2381./ 100./035]
05543 [Vmax= .309; Dmax= .395]
05544 R1982C0003-----DtmIn-ID:HNVD-----AREAhA-OPEARcMs-TPeakDate_hh:mm-----RvM-R-C-----DMFms
05545 ROUTE CHANNEL -> 5.0 01:182 270.69 .189 1982.0825_20:20 81.55 n/a .000
05546 [RDT= 5.00] out<- 5.0 01:182 270.69 .189 1982.0825_20:20 81.55 n/a .000
05547 [I/S= 471./ 221./035]
05548 [Vmax= .461; Dmax= .357]
05549 R1982C0003-----DtmIn-ID:HNVD-----AREAhA-OPEARcMs-TPeakDate_hh:mm-----RvM-R-C-----DMFms
05550 ADD HYD + 5.0 02:184 50.96 .265 1982.0825_19:15 79.85 n/a .000
05551 [RDT= 5.00] out<- 5.0 02:184 50.96 .265 1982.0825_19:15 79.85 n/a .000
05552 [I/S= 2381./ 100./035]
05553 R1982C0003-----DtmIn-ID:HNVD-----AREAhA-OPEARcMs-TPeakDate_hh:mm-----RvM-R-C-----DMFms
05554 ROUTE CHANNEL -> 5.0 02:123 321.65 .142 1982.0825_20:20 81.28 n/a .000
05555 [RDT= 5.00] out<- 5.0 02:123 321.65 .142 1982.0825_20:20 81.28 n/a .000
05556 [I/S= 734./ 100./035]
05557 [Vmax= .135; Dmax= .357]
05558 R1982C0003-----DtmIn-ID:HNVD-----AREAhA-OPEARcMs-TPeakDate_hh:mm-----RvM-R-C-----DMFms
05559 ADD HYD + 5.0 02:183 321.65 .138 1982.0825_20:50 81.28 n/a .000
05560 [RDT= 5.00] out<- 5.0 02:183 321.65 .138 1982.0825_20:50 81.28 n/a .000
05561 [I/S= 734./ 100./035]
05562 [Vmax= .135; Dmax= .357]
05563 R1982C0003-----DtmIn-ID:HNVD-----AREAhA-OPEARcMs-TPeakDate_hh:mm-----RvM-R-C-----DMFms
05564 ROUTE CHANNEL -> 5.0 01:234 377.91 .164 1982.0825_20:35 81.51 n/a .000
05565 [RDT= 5.00] out<- 5.0 01:234 377.91 .164 1982.0825_20:35 81.51 n/a .000
05566 [I/S= 664./ 157./035]
05567 [Vmax= .457; Dmax= .371]
05568 R1982C0003-----DtmIn-ID:HNVD-----AREAhA-OPEARcMs-TPeakDate_hh:mm-----RvM-R-C-----DMFms
05569 ADD HYD + 5.0 02:181 60.46 .310 1982.0825_18:55 79.97 n/a .000
05570 [RDT= 5.00] out<- 5.0 02:181 60.46 .310 1982.0825_18:55 79.97 n/a .000
05571 [I/S= 664./ 157./035]
05572 [Vmax= .457; Dmax= .371]
05573 R1982C0003-----DtmIn-ID:HNVD-----AREAhA-OPEARcMs-TPeakDate_hh:mm-----RvM-R-C-----DMFms
05574 CONTINUOUS NASHVD 5.0 01:181 111.89 .103 1983.1005_23:00 102.57 175 .000
05575 [Cm= 59.0; Nr= 3.00; Tpe= 1.71]
05576 [IAREC=24.00; SMINH= 39.75; SMAX=67.39; EKE= 100]
05577 *****
05578 *****
05579 *****
05580 R1982C0003-----DtmIn-ID:HNVD-----AREAhA-OPEARcMs-TPeakDate_hh:mm-----RvM-R-C-----DMFms

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05761 # M3
05762 *****
05763 R1983C00011-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
05764 CONTINUOUS NASHYD 5.0 01:083 39.07 .259 1983.1005.23:00 89.99 153 .000
05765 [Cm 45.0; Nm 3.00; Tm 1.48]
05766 [IARc=24.00; SMIn=121.19; SMax=807.93; SK= 100]
05767 [InterEventTime 24.00]
05768 *****
05769 # M4
05770 *****
05771 R1983C00012-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
05772 CONTINUOUS NASHYD 5.0 01:084 50.96 .382 1983.1005.23:20 95.39 163 .000
05773 [Cm 53.0; Nm 3.00; Tm 1.95]
05774 [IARc=24.00; SMIn 95.01; SMax=606.70; SK= 100]
05775 [InterEventTime 24.00]
05776 # M5
05777 *****
05778 R1983C00013-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
05779 CONTINUOUS NASHYD 5.0 01:085 56.26 .441 1983.1005.23:30 99.20 169 .000
05780 [Cm 56.0; Nm 3.00; Tm 2.09]
05781 [IARc=24.00; SMIn 75.65; SMax=531.24; SK= 100]
05782 [InterEventTime 24.00]
05783 *****
05784 # M6
05785 *****
05786 R1983C00014-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
05787 CONTINUOUS NASHYD 5.0 01:086 25.62 .247 1983.1005.23:10 106.12 181 .000
05788 [Cm 42.0; Nm 3.00; Tm 1.83]
05789 [IARc=24.00; SMIn 61.86; SMax=412.66; SK= 100]
05790 [InterEventTime 24.00]
05791 *****
05792 # M7
05793 *****
05794 R1983C00015-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
05795 CONTINUOUS NASHYD 5.0 01:087 47.26 .531 1983.1005.23:35 127.73 217 .000
05796 [Cm 73.0; Nm 3.00; Tm 2.29]
05797 [IARc=24.00; SMIn 33.81; SMax=225.43; SK= 100]
05798 [InterEventTime 24.00]
05799 *****
05800 # M8
05801 *****
05802 R1983C00016-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
05803 CONTINUOUS NASHYD 5.0 01:088 14.26 .233 1983.1005.21:55 132.93 226 .000
05804 [Cm 73.0; Nm 3.00; Tm 1.13]
05805 [IARc=24.00; SMIn 29.88; SMax=199.22; SK= 100]
05806 [InterEventTime 24.00]
05807 *****
05808 # M9
05809 *****
05810 R1983C00017-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
05811 CONTINUOUS NASHYD 5.0 01:089 24.24 .361 1983.1005.22:00 122.87 209 .000
05812 [Cm 73.0; Nm 3.00; Tm 1.13]
05813 [IARc=24.00; SMIn 38.18; SMax=254.55; SK= 100]
05814 [InterEventTime 24.00]
05815 *****
05816 # SITE
05817 *****
05818 R1983C00018-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
05819 CONTINUOUS STANDYD 40.00 SITE
05820 [XIMP=6.5;TIPM=6.5]
05821 [Horizn Parametrs: Fw= 74.20;Frc= 13.20;DCA=4.14; Fw= 0]
05822 [Fevrius area: IAPr= 4.67;SfPP=2.00;IGP= 0.0;MNF= 250;SCF= 0]
05823 [Impervious area: IAlp= 1.57;SfPI=2.00;IGI= 635.0;MNI= 0.13;SCPI= 0]
05824 [InterEventTime 10.00; IARc= 24.00]
05825 *****
05826 # T1
05827 *****
05828 R1983C00019-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
05829 CONTINUOUS NASHYD 5.0 01:091 79.25 .897 1983.1005.22:45 138.31 201 .000
05830 [Cm 70.0; Nm 3.00; Tm 1.64]
05831 [IARc=24.00; SMIn 67.07; SMax=287.10; SK= 100]
05832 [InterEventTime 24.00]
05833 *****
05834 # T2
05835 *****
05836 R1983C00020-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
05837 CONTINUOUS NASHYD 5.0 01:092 109.81 1.145 1983.1005.23:40 121.32 207 .000
05838 [Cm 72.0; Nm 3.00; Tm 2.34]
05839 [IARc=24.00; SMIn 75.75; SMax=264.99; SK= 100]
05840 [InterEventTime 24.00]
05841 *****
05842 # T3
05843 *****
05844 R1983C00021-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
05845 CONTINUOUS NASHYD 5.0 01:093 12.05 .190 1983.1005.21:35 118.31 201 .000
05846 [Cm 72.0; Nm 3.00; Tm 1.87]
05847 [IARc=24.00; SMIn 43.07; SMax=287.10; SK= 100]
05848 [InterEventTime 24.00]
05849 *****
05850 # T4
05851 *****
05852 R1983C00022-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
05853 CONTINUOUS NASHYD 5.0 01:094 65.89 .795 1983.1005.22:55 121.32 207 .000
05854 [Cm 72.0; Nm 3.00; Tm 2.76]
05855 [IARc=24.00; SMIn 39.75; SMax=264.99; SK= 100]
05856 [InterEventTime 24.00]
05857 *****
05858 # T5
05859 *****
05860 R1983C00023-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
05861 CONTINUOUS NASHYD 5.0 01:095 171.81 1.377 1983.1005.21:45 108.65 189 .000
05862 [Cm 64.0; Nm 3.00; Tm 3.07]
05863 [IARc=24.00; SMIn 57.05; SMax=380.32; SK= 100]
05864 [InterEventTime 24.00]
05865 *****
05866 # T6
05867 *****
05868 R1983C00024-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
05869 CONTINUOUS NASHYD 5.0 01:096 60.20 .899 1983.1005.0:50 131.15 204 .000
05870 [Cm 77.0; Nm 3.00; Tm 2.98]
05871 [IARc=24.00; SMIn 100.00; SMax=207.66; SK= 100]
05872 [InterEventTime 24.00]
05873 *****
05874 # T7
05875 *****
05876 R1983C00025-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
05877 CONTINUOUS NASHYD 5.0 01:097 68.50 .668 1983.1005.0:05 121.32 207 .000
05878 [Cm 72.0; Nm 3.00; Tm 2.63]
05879 [IARc=24.00; SMIn 64.93; SMax=264.99; SK= 100]
05880 [InterEventTime 24.00]
05881 *****
05882 R1983C00026-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
05883 ROUTE CHANNEL -> 5.0 02:061 111.89 1.038 1983.1005.23:00 102.57 n/a .000
05884 [L/S= 2381. / .100 / .035]
05885 [Vmax= 328.0; Dmax= 1.13]
05886 *****
05887 R1983C00027-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
05888 ADD HYD + 5.0 02:061 111.89 .800 1983.1005.12:25 102.56 n/a .000
05889 [Cm 50.0; Nm 3.00; Tm 1.51]
05890 [IARc=24.00; SMIn 39.07 .259 1983.1005.23:00 89.99 n/a .000]
05891 [InterEventTime 24.00]
05892 *****
05893 R1983C00028-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
05894 ROUTE CHANNEL -> 5.0 02:062 270.69 1.732 1983.1005.1:45 97.84 n/a .000
05895 [L/S= 5.00 out< 5.0 01:082 270.69 1.730 1983.1005.1:55 97.84 n/a .000]
05896 [Vmax= 320.0; Dmax= 1.13]
05897 *****
05898 R1983C00029-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
05899 ADD HYD + 5.0 02:063 270.69 1.730 1983.1005.1:55 97.84 n/a .000
05900 [Cm 50.0; Nm 3.00; Tm 1.51]
05901 [IARc=24.00; SMIn 39.07 .259 1983.1005.23:00 89.99 n/a .000]
05902 [InterEventTime 24.00]
05903 *****
05904 R1983C00030-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
05905 ROUTE CHANNEL -> 5.0 02:064 321.65 2.054 1983.1005.1:35 97.54 n/a .000
05906 [L/S= 5.00 out< 5.0 01:083 321.65 2.042 1983.1005.2:00 97.54 n/a .000]
05907 [Vmax= 360.0; Dmax= 1.49]
05908 *****
05909 R1983C00031-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
05910 ADD HYD + 5.0 02:063 321.65 2.047 1983.1005.2:00 97.54 n/a .000
05911 [Cm 50.0; Nm 3.00; Tm 1.51]
05912 [IARc=24.00; SMIn 39.07 .259 1983.1005.23:00 89.99 n/a .000]
05913 [InterEventTime 24.00]
05914 *****
05915 R1983C00032-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
05916 ROUTE CHANNEL -> 5.0 02:065 377.91 2.422 1983.1005.1:40 97.79 n/a .000
05917 [L/S= 5.00 out< 5.0 01:085 377.91 2.422 1983.1005.1:50 97.79 n/a .000]
05918 [Vmax= 414.0; Dmax= 1.89]
05919 *****
05920 R1983C00033-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
05921 ADD HYD + 5.0 02:062 377.91 2.429 1983.1005.1:50 97.79 n/a .000
05922 [Cm 50.0; Nm 3.00; Tm 1.51]
05923 [IARc=24.00; SMIn 39.07 .259 1983.1005.23:00 89.99 n/a .000]
05924 [InterEventTime 24.00]
05925 *****
05926 R1983C00034-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
05927 ROUTE RESERVOIR -> 5.0 01:082 148.71 1.481 1983.1005.2:10 178.82 n/a .000
05928 [over=0.0; 0.0; 0.0]
05929 [Mx=0.0; S=2080.0; M3, TotDuv=0.0000E+00; M=0; V=0; TotDuv=0.0]
05930 [InterEventTime 24.00]
05931 *****
05932 R1983C00035-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
05933 SAVE HYD *****
05934 *****
05935 R1983C00036-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
05936 ADD HYD + 5.0 02:065 377.91 2.429 1983.1005.1:50 97.79 n/a .000
05937 [Cm 50.0; Nm 3.00; Tm 1.51]
05938 [IARc=24.00; SMIn 39.07 .259 1983.1005.23:00 89.99 n/a .000]
05939 [InterEventTime 24.00]
05940 *****
05941 R1983C00037-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
05942 ROUTE CHANNEL -> 5.0 02:066 526.62 3.196 1983.1005.2:10 120.67 n/a .000
05943 [L/S= 5.00 out< 5.0 01:082 526.62 3.196 1983.1005.2:10 120.67 n/a .000]
05944 [Vmax= 546.0; Dmax= 1.93]
05945 *****
05946 R1983C00038-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
05947 ADD HYD + 5.0 02:067 7.62 .100 1983.1005.21:40 107.37 n/a .000
05948 [Cm 45.0; Nm 3.00; Tm 1.83]
05949 [IARc=24.00; SMIn 50.96 .382 1983.1005.23:20 95.39 n/a .000]
05950 [InterEventTime 24.00]
05951 *****
05952 R1983C00039-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
05953 ROUTE CHANNEL -> 5.0 02:067 17.96 .170 1983.1005.22:50 102.57 n/a .000
05954 [L/S= 5.00 out< 5.0 01:084 17.96 .170 1983.1005.21:55 132.93 n/a .000]
05955 [Vmax= 189.0; Dmax= 0.73]
05956 *****
05957 R1983C00040-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
05958 ROUTE CHANNEL -> 5.0 02:068 1.55 .022 1983.1005.21:15 97.20 n/a .000
05959 [L/S= 5.00 out< 5.0 01:082 1.55 .022 1983.1005.21:15 97.20 n/a .000]
05960 [Vmax= 149.0; Dmax= 0.59]
05961 *****
05962 R1983C00041-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
05963 ROUTE CHANNEL -> 5.0 02:069 148.71 1.481 1983.1005.2:10 178.82 n/a .000
05964 [over=0.0; 0.0; 0.0]
05965 [Mx=0.0; S=2080.0; M3, TotDuv=0.0000E+00; M=0; V=0; TotDuv=0.0]
05966 [InterEventTime 24.00]
05967 *****
05968 R1983C00042-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
05969 SAVE HYD *****
05970 *****
05971 R1983C00043-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
05972 ADD HYD + 5.0 02:069 377.91 2.429 1983.1005.1:50 97.79 n/a .000
05973 [Cm 50.0; Nm 3.00; Tm 1.51]
05974 [IARc=24.00; SMIn 39.07 .259 1983.1005.23:00 89.99 n/a .000]
05975 [InterEventTime 24.00]
05976 *****
05977 R1983C00044-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
05978 ROUTE CHANNEL -> 5.0 02:070 526.62 3.196 1983.1005.2:10 120.67 n/a .000
05979 [L/S= 5.00 out< 5.0 01:083 526.62 3.196 1983.1005.2:10 120.67 n/a .000]
05980 [Vmax= 546.0; Dmax= 1.93]
05981 *****
05982 R1983C00045-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
05983 ADD HYD + 5.0 02:070 526.62 3.196 1983.1005.2:10 120.67 n/a .000
05984 [Cm 50.0; Nm 3.00; Tm 1.51]
05985 [IARc=24.00; SMIn 39.07 .259 1983.1005.23:00 89.99 n/a .000]
05986 [InterEventTime 24.00]
05987 *****
05988 R1983C00046-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
05989 ROUTE CHANNEL -> 5.0 02:071 109.81 1.145 1983.1005.23:40 121.32 207 .000
05990 [L/S= 5.00 out< 5.0 01:082 109.81 1.145 1983.1005.23:40 121.32 207 .000]
05991 [Vmax= 320.0; Dmax= 1.13]
05992 *****
05993 R1983C00047-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
05994 ROUTE CHANNEL -> 5.0 02:072 201.11 2.187 1983.1005.23:10 119.95 n/a .000
05995 [L/S= 5.00 out< 5.0 01:082 201.11 2.187 1983.1005.23:10 119.95 n/a .000]
05996 [Vmax= 372.0; Dmax= 1.24]
05997 *****
05998 R1983C00048-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
05999 ADD HYD + 5.0 02:072 201.11 2.187 1983.1005.23:10 119.95 n/a .000
06000 [Cm 50.0; Nm 3.00; Tm 1.51]
06001 [IARc=24.00; SMIn 39.07 .259 1983.1005.23:00 89.99 n/a .000]
06002 [InterEventTime 24.00]
06003 *****
06004 R1983C00049-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
06005 ADD HYD + 5.0 02:073 201.11 2.187 1983.1005.23:10 119.95 n/a .000
06006 [Cm 50.0; Nm 3.00; Tm 1.51]
06007 [IARc=24.00; SMIn 39.07 .259 1983.1005.23:00 89.99 n/a .000]
06008 [InterEventTime 24.00]
06009 *****
06010 R1983C00050-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
06011 ADD HYD + 5.0 02:074 60.20 .899 1983.1005.0:50 131.15 204 .000
06012 [Cm 77.0; Nm 3.00; Tm 2.98]
06013 [IARc=24.00; SMIn 100.00; SMax=207.66; SK= 100]
06014 [InterEventTime 24.00]
06015 *****
06016 R1983C00051-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
06017 ADD HYD + 5.0 02:074 60.20 .899 1983.1005.0:50 131.15 204 .000
06018 [Cm 77.0; Nm 3.00; Tm 2.98]
06019 [IARc=24.00; SMIn 100.00; SMax=207.66; SK= 100]
06020 [InterEventTime 24.00]
06021 *****
06022 R1983C00052-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
06023 ADD HYD + 5.0 02:075 201.11 2.187 1983.1005.23:10 119.95 n/a .000
06024 [Cm 50.0; Nm 3.00; Tm 1.51]
06025 [IARc=24.00; SMIn 39.07 .259 1983.1005.23:00 89.99 n/a .000]
06026 [InterEventTime 24.00]
06027 *****
06028 R1983C00053-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
06029 ADD HYD + 5.0 02:076 201.11 2.187 1983.1005.23:10 119.95 n/a .000
06030 [Cm 50.0; Nm 3.00; Tm 1.51]
06031 [IARc=24.00; SMIn 39.07 .259 1983.1005.23:00 89.99 n/a .000]
06032 [InterEventTime 24.00]
06033 *****
06034 R1983C00054-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
06035 ADD HYD + 5.0 02:077 201.11 2.187 1983.1005.23:10 119.95 n/a .000
06036 [Cm 50.0; Nm 3.00; Tm 1.51]
06037 [IARc=24.00; SMIn 39.07 .259 1983.1005.23:00 89.99 n/a .000]
06038 [InterEventTime 24.00]
06039 *****
06040 R1983C00055-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
06041 ADD HYD + 5.0 02:078 201.11 2.187 1983.1005.23:10 119.95 n/a .000
06042 [Cm 50.0; Nm 3.00; Tm 1.51]
06043 [IARc=24.00; SMIn 39.07 .259 1983.1005.23:00 89.99 n/a .000]
06044 [InterEventTime 24.00]
06045 *****
06046 R1983C00056-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
06047 ADD HYD + 5.0 02:079 201.11 2.187 1983.1005.23:10 119.95 n/a .000
06048 [Cm 50.0; Nm 3.00; Tm 1.51]
06049 [IARc=24.00; SMIn 39.07 .259 1983.1005.23:00 89.99 n/a .000]
06050 [InterEventTime 24.00]
06051 *****
06052 R1983C00057-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
06053 ADD HYD + 5.0 02:080 201.11 2.187 1983.1005.23:10 119.95 n/a .000
06054 [Cm 50.0; Nm 3.00; Tm 1.51]
06055 [IARc=24.00; SMIn 39.07 .259 1983.1005.23:00 89.99 n/a .000]
06056 [InterEventTime 24.00]
06057 *****
06058 R1983C00058-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
06059 ADD HYD + 5.0 02:081 201.11 2.187 1983.1005.23:10 119.95 n/a .000
06060 [Cm 50.0; Nm 3.00; Tm 1.51]
06061 [IARc=24.00; SMIn 39.07 .259 1983.1005.23:00 89.99 n/a .000]
06062 [InterEventTime 24.00]
06063 *****
06064 R1983C00059-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
06065 ADD HYD + 5.0 02:082 201.11 2.187 1983.1005.23:10 119.95 n/a .000
06066 [Cm 50.0; Nm 3.00; Tm 1.51]
06067 [IARc=24.00; SMIn 39.07 .259 1983.1005.23:00 89.99 n/a .000]
06068 [InterEventTime 24.00]
06069 *****
06070 R1983C00060-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
06071 ADD HYD + 5.0 02:083 201.11 2.187 1983.1005.23:10 119.95 n/a .000
06072 [Cm 50.0; Nm 3.00; Tm 1.51]
06073 [IARc=24.00; SMIn 39.07 .259 1983.1005.23:00 89.99 n/a .000]
06074 [InterEventTime 24.00]
06075 *****
06076 R1983C00061-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
06077 ADD HYD + 5.0 02:084 201.11 2.187 1983.1005.23:10 119.95 n/a .000
06078 [Cm 50.0; Nm 3.00; Tm 1.51]
06079 [IARc=24.00; SMIn 39.07 .259 1983.1005.23:00 89.99 n/a .000]
06080 [InterEventTime 24.00]
06081 *****
06082 R1983C00062-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
06083 ADD HYD + 5.0 02:085 201.11 2.187 1983.1005.23:10 119.95 n/a .000
06084 [Cm 50.0; Nm 3.00; Tm 1.51]
06085 [IARc=24.00; SMIn 39.07 .259 1983.1005.23:00 89.99 n/a .000]
06086 [InterEventTime 24.00]
06087 *****
06088 R1983C00063-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
06089 ADD HYD + 5.0 02:086 201.11 2.187 1983.1005.23:10 119.95 n/a .000
06090 [Cm 50.0; Nm 3.00; Tm 1.51]
06091 [IARc=24.00; SMIn 39.07 .259 1983.1005.23:00 89.99 n/a .000]
06092 [InterEventTime 24.00]
06093 *****
06094 R1983C00064-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
06095 ADD HYD + 5.0 02:087 201.11 2.187 1983.1005.23:10 119.95 n/a .000
06096 [Cm 50.0; Nm 3.00; Tm 1.51]
06097 [IARc=24.00; SMIn 39.07 .259 1983.1005.23:00 89.99 n/a .000]
06098 [InterEventTime 24.00]
06099 *****
06100 R1983C00065-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
06101 ADD HYD + 5.0 02:088 201.11 2.187 1983.1005.23:10 119.95 n/a .000
06102 [Cm 50.0; Nm 3.00; Tm 1.51]
06103 [IARc=24.00; SMIn 39.07 .259 1983.1005.23:00 89.99 n/a .000]
06104 [InterEventTime 24.00]
06105 *****
06106 R1983C00066-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWfms
06107 ADD HYD + 5.0 02:089 201.11 2.187 1983.1005.23:10 119.95 n/a .000
06108 [Cm 50.0; Nm 3.00; Tm 1.51]
06109 [IARc=24.00; SMIn 39.07 .259 1983.1005.23:00 89.99 n/a .000]
06110 [InterEventTime 24.00]
06111 *****
06112 R1983C00067-----DtmIn-ID:HVND-----AREAhA-QPEARGS-TPeakDate hhhmm--RvMm-R.C-----DWf
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061211 CONTINUOUS NASHVD 5.0 01194 50.96 .279 1984.0813.14100 94.36 .205 .000
061212 [CM 59.0: Nm 3.00: Tpe 1.83]
061213 [IaREC=24.00: SMINH 91.01: SMAX=66.70: SR= 100]
061214 [InterEventTime= 24.00]
061215 *****
061216 # M5
061217 [IaREC=24.00: SMINH 91.01: SMAX=66.70: SR= 100]
061218 R1984.C00013-----DtmIn-ID:HNVD-----AREAh-QFEARgms-TpeakDate hh:mm-----RvM-R-C-----DMFms
061219 CONTINUOUS NASHVD 5.0 01195 56.26 .315 1984.0813.14115 96.95 .211 .000
061220 [CM 70.0: Nm 3.00: Tpe 1.83]
061221 [IaREC=24.00: SMINH 79.69: SMAX=531.24: SR= 100]
061222 [InterEventTime= 24.00]
061223 *****
061224 # M6
061225 R1984.C00014-----DtmIn-ID:HNVD-----AREAh-QFEARgms-TpeakDate hh:mm-----RvM-R-C-----DMFms
061226 CONTINUOUS NASHVD 5.0 01196 52.62 .177 1984.0813.13150 102.35 .223 .000
061227 [CM 62.0: Nm 3.00: Tpe 1.83]
061228 [IaREC=24.00: SMINH 61.90: SMAX=412.66: SR= 100]
061229 [InterEventTime= 24.00]
061230 *****
061231 # M7
061232 R1984.C00015-----DtmIn-ID:HNVD-----AREAh-QFEARgms-TpeakDate hh:mm-----RvM-R-C-----DMFms
061233 CONTINUOUS NASHVD 5.0 01197 47.26 .148 1984.0813.14255 151.72 .245 .000
061234 [CM 75.0: Nm 3.00: Tpe 2.29]
061235 [IaREC=24.00: SMINH 33.81: SMAX=225.43: SR= 100]
061236 [InterEventTime= 24.00]
061237 *****
061238 # M8
061239 R1984.C00016-----DtmIn-ID:HNVD-----AREAh-QFEARgms-TpeakDate hh:mm-----RvM-R-C-----DMFms
061240 CONTINUOUS NASHVD 5.0 01198 14.26 .178 1984.0813.12150 126.64 .276 .000
061241 [CM 74.0: Nm 3.00: Tpe 1.13]
061242 [IaREC=24.00: SMINH 23.88: SMAX=199.22: SR= 100]
061243 [InterEventTime= 24.00]
061244 *****
061245 # M9
061246 R1984.C00017-----DtmIn-ID:HNVD-----AREAh-QFEARgms-TpeakDate hh:mm-----RvM-R-C-----DMFms
061247 CONTINUOUS NASHVD 5.0 01199 24.24 .282 1984.0813.12150 117.10 .255 .000
061248 [CM 15.0: Nm 3.00: Tpe 1.83]
061249 [IaREC=24.00: SMINH 38.18: SMAX=254.55: SR= 100]
061250 [InterEventTime= 24.00]
061251 *****
061252 # SITE
061253 *****
061254 *****
061255 *****
061256 *****
061257 *****
061258 *****
061259 *****
061260 *****
061261 *****
061262 *****
061263 *****
061264 *****
061265 *****
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061293 *****
061294 *****
061295 *****
061296 *****
061297 *****
061298 *****
061299 *****
06300 *****

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064811 [InterEventTimes 24.00]
064822 *****
064833 # M6
064844 *****
064845 R1985C00014-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
064846 CONTINUOUS NASHVD 5.0 01:186 25.62 .198 1985.0618 7:10 100.47 119.9 .000
064847 [CN# 62.0: N# 3.00: Tpe 1.13]
064848 [IaRC#24.00: SMIN# 61.90: SMAX#412.66: SK# 100]
064849 [InterEventTimes 24.00]
064850 *****
064851 # M7
064852 *****
064853 R1985C00015-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
064854 CONTINUOUS NASHVD 5.0 01:187 47.26 .444 1985.0618 7:10 124.69 223 .000
064855 [CN# 73.0: N# 3.00: Tpe 1.13]
064856 [IaRC#24.00: SMIN# 31.81: SMAX#225.43: SK# 100]
064857 [InterEventTimes 24.00]
064858 *****
064859 # M8
064860 *****
065001 R1985C00016-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065002 CONTINUOUS NASHVD 5.0 01:188 14.26 .224 1985.0618 6:25 130.73 233 .000
065003 [CN# 78.0: N# 3.00: Tpe 1.13]
065004 [IaRC#24.00: SMIN# 29.88: SMAX#199.22: SK# 100]
065005 [InterEventTimes 24.00]
065006 *****
065007 # M9
065008 *****
065009 R1985C00017-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065010 CONTINUOUS NASHVD 5.0 01:189 24.24 .136 1985.0618 6:25 139.13 213 .000
065011 [CN# 73.0: N# 3.00: Tpe 1.13]
065012 [IaRC#24.00: SMIN# 31.81: SMAX#254.55: SK# 100]
065013 [InterEventTimes 24.00]
065014 *****
065015 # SITE
065016 *****
065017 R1985C00018-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065018 CONTINUOUS STANDHVD 5.0 01:SITE 60.48 2.043 1985.0716 20:00 299.07 534 .000
065019 [XIMP: 65.1TMM:65.]
065020 [RUCION parameters: Fw= 76.20;Fv= 13.20;ICAC#4.14; Fv= .00]
065021 [Previous area: IAPer= 4.67;Sluff#2.00;LUP= 40.0;MFM= 250.0;CFC= .0]
065022 [Impervious area: IIMP=2.00;LUP= 635.0;MFI= .01;SCT= .0]
065023 [IaRC#24.00: SMIN# 10.00: IaRC#24.00]
065024 *****
065025 # T1
065026 *****
065027 R1985C00019-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065028 CONTINUOUS NASHVD 5.0 01:191 79.25 .820 1985.0618 7:10 113.97 204 .000
065029 [CN# 70.0: N# 3.00: Tpe 1.44]
065030 [IaRC#24.00: SMIN# 61.07: SMAX#287.10: SK# 100]
065031 [InterEventTimes 24.00]
065032 *****
065033 # T2
065034 *****
065035 R1985C00020-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065036 CONTINUOUS NASHVD 5.0 01:192 109.81 .935 1985.0618 7:15 117.37 210 .000
065037 [CN# 72.0: N# 3.00: Tpe 1.44]
065038 [IaRC#24.00: SMIN# 39.75: SMAX#264.99: SK# 100]
065039 [InterEventTimes 24.00]
065040 *****
065041 # T3
065042 *****
065043 R1985C00021-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065044 CONTINUOUS NASHVD 5.0 01:193 12.05 .176 1985.0618 6:15 113.97 204 .000
065045 [CN# 70.0: N# 3.00: Tpe 1.44]
065046 [IaRC#24.00: SMIN# 43.07: SMAX#287.10: SK# 100]
065047 [InterEventTimes 24.00]
065048 *****
065049 # T4
065050 *****
065051 R1985C00022-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065052 CONTINUOUS NASHVD 5.0 01:194 65.89 .691 1985.0618 7:10 117.37 210 .000
065053 [CN# 72.0: N# 3.00: Tpe 1.46]
065054 [IaRC#24.00: SMIN# 39.75: SMAX#264.99: SK# 100]
065055 [InterEventTimes 24.00]
065056 *****
065057 # T5
065058 *****
065059 R1985C00023-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065060 CONTINUOUS NASHVD 5.0 01:195 171.83 .981 1985.0618 8:45 103.23 n/a .000
065061 [CN# 64.0: N# 3.00: Tpe 3.07]
065062 [IaRC#24.00: SMIN# 31.81: SMAX#380.32: SK# 100]
065063 [InterEventTimes 24.00]
065064 *****
065065 # T6
065066 *****
065067 R1985C00024-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065068 CONTINUOUS NASHVD 5.0 01:196 60.20 .489 1985.0618 8:15 128.64 230 .000
065069 [CN# 77.0: N# 3.00: Tpe 2.98]
065070 [IaRC#24.00: SMIN# 61.07: SMAX#207.66: SK# 100]
065071 [InterEventTimes 24.00]
065072 *****
065073 # T7
065074 *****
065075 R1985C00025-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065076 CONTINUOUS NASHVD 5.0 01:197 68.50 .538 1985.0618 8:15 117.37 210 .000
065077 [CN# 72.0: N# 3.00: Tpe 1.63]
065078 [IaRC#24.00: SMIN# 39.75: SMAX#264.99: SK# 100]
065079 [InterEventTimes 24.00]
065080 *****
065081 R1985C00026-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065082 ROUTE CHANNEL -> 5.0 01:198 111.89 .585 1985.0618 8:10 96.52 n/a .000
065083 [RDT# 5.00] out< 5.0 01:181 111.89 .585 1985.0618 8:10 96.52 n/a .000
065084 [L/R# 734. / .107 / .035]
065085 [Vmax= .313;Dmax= .296]
065086 R1985C00027-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065087 ADD HYD + 5.0 02:182 111.89 .585 1985.0618 8:10 96.52 n/a .000
065088 [L/R# 734. / .107 / .035]
065089 [Vmax= .313;Dmax= .296]
065090 CONTINUOUS NASHVD + 5.0 02:183 119.73 .497 1985.0618 8:10 96.52 n/a .000
065091 [L/R# 734. / .107 / .035]
065092 [Vmax= .313;Dmax= .296]
065093 R1985C00028-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065094 ROUTE CHANNEL -> 5.0 02:184 119.73 .497 1985.0618 8:10 96.52 n/a .000
065095 [RDT# 5.00] out< 5.0 02:182 119.73 .497 1985.0618 8:10 96.52 n/a .000
065096 [L/R# 734. / .107 / .035]
065097 [Vmax= .313;Dmax= .296]
065098 R1985C00029-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065099 ADD HYD + 5.0 02:185 119.73 .497 1985.0618 8:10 96.52 n/a .000
065100 [L/R# 734. / .107 / .035]
065101 [Vmax= .313;Dmax= .296]
065102 R1985C00030-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065103 ROUTE CHANNEL -> 5.0 02:186 121.65 1.482 1985.0618 8:15 91.01 n/a .000
065104 [RDT# 5.00] out< 5.0 02:183 121.65 1.482 1985.0618 8:15 91.01 n/a .000
065105 [L/R# 734. / .107 / .035]
065106 [Vmax= .313;Dmax= .296]
065107 R1985C00031-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065108 ADD HYD + 5.0 02:187 121.65 1.431 1985.0618 9:05 91.01 n/a .000
065109 [L/R# 734. / .107 / .035]
065110 [Vmax= .313;Dmax= .296]
065111 R1985C00032-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065112 ROUTE CHANNEL -> 5.0 02:188 377.91 1.722 1985.0618 8:10 91.28 n/a .000
065113 [RDT# 5.00] out< 5.0 01:185 377.91 1.699 1985.0618 9:10 91.28 n/a .000
065114 [L/R# 664. / .157 / .035]
065115 [Vmax= .462;Dmax= .378]
065116 R1985C00033-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065117 ADD HYD + 5.0 02:189 7.62 .089 1985.0618 6:20 101.84 n/a .000
065118 [L/R# 734. / .107 / .035]
065119 [Vmax= .313;Dmax= .296]
065120 CONTINUOUS NASHVD + 5.0 02:190 17.96 .137 1985.0618 7:05 96.52 n/a .000
065121 [L/R# 734. / .107 / .035]
065122 [Vmax= .313;Dmax= .296]
065123 CONTINUOUS NASHVD + 5.0 02:191 1.64 .006 1985.0618 5:25 84.90 n/a .000
065124 [L/R# 734. / .107 / .035]
065125 [Vmax= .313;Dmax= .296]
065126 CONTINUOUS NASHVD + 5.0 02:192 11.55 .019 1985.0618 5:25 84.90 n/a .000
065127 [L/R# 734. / .107 / .035]
065128 [Vmax= .313;Dmax= .296]
065129 R1985C00034-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065130 SUMM + 5.0 02:193 148.71 2.086 1985.0716 20:00 175.23 n/a .000
065131 [L/R# 734. / .107 / .035]
065132 [Vmax= .313;Dmax= .296]
065133 ROUTE RESERVOIR -> 5.0 02:194 148.71 2.086 1985.0716 20:00 175.23 n/a .000
065134 [L/R# 734. / .107 / .035]
065135 [Vmax= .313;Dmax= .296]
065136 CONTINUOUS NASHVD out< 5.0 02:195 148.71 2.086 1985.0716 20:00 175.23 n/a .000
065137 [L/R# 734. / .107 / .035]
065138 [Vmax= .313;Dmax= .296]
065139 R1985C00035-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065140 ROUTE CHANNEL -> 5.0 02:196 148.71 2.086 1985.0716 20:00 175.23 n/a .000
065141 [L/R# 734. / .107 / .035]
065142 [Vmax= .313;Dmax= .296]
065143 SAVE HYD + 5.0 02:197 148.71 2.086 1985.0716 20:00 175.23 n/a .000
065144 [L/R# 734. / .107 / .035]
065145 [Vmax= .313;Dmax= .296]
065146 R1985C00036-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065147 ROUTE CHANNEL -> 5.0 02:198 148.71 2.086 1985.0716 20:00 175.23 n/a .000
065148 [L/R# 734. / .107 / .035]
065149 [Vmax= .313;Dmax= .296]
065150 R1985C00037-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065151 CONTINUOUS NASHVD + 5.0 02:199 148.71 2.086 1985.0716 20:00 175.23 n/a .000
065152 [L/R# 734. / .107 / .035]
065153 [Vmax= .313;Dmax= .296]
065154 R1985C00038-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065155 CONTINUOUS NASHVD + 5.0 02:200 148.71 2.086 1985.0716 20:00 175.23 n/a .000
065156 [L/R# 734. / .107 / .035]
065157 [Vmax= .313;Dmax= .296]
065158 R1985C00039-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065159 ROUTE CHANNEL -> 5.0 02:201 148.71 2.086 1985.0716 20:00 175.23 n/a .000
065160 [L/R# 734. / .107 / .035]
065161 [Vmax= .313;Dmax= .296]
065162 R1985C00040-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065163 CONTINUOUS NASHVD + 5.0 02:202 148.71 2.086 1985.0716 20:00 175.23 n/a .000
065164 [L/R# 734. / .107 / .035]
065165 [Vmax= .313;Dmax= .296]
065166 R1985C00041-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065167 CONTINUOUS NASHVD + 5.0 02:203 148.71 2.086 1985.0716 20:00 175.23 n/a .000
065168 [L/R# 734. / .107 / .035]
065169 [Vmax= .313;Dmax= .296]
065170 R1985C00042-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065171 ADD HYD + 5.0 02:204 148.71 2.086 1985.0716 20:00 175.23 n/a .000
065172 [L/R# 734. / .107 / .035]
065173 [Vmax= .313;Dmax= .296]
065174 R1985C00043-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065175 CONTINUOUS NASHVD + 5.0 02:205 148.71 2.086 1985.0716 20:00 175.23 n/a .000
065176 [L/R# 734. / .107 / .035]
065177 [Vmax= .313;Dmax= .296]
065178 R1985C00044-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065179 ADD HYD + 5.0 02:206 148.71 2.086 1985.0716 20:00 175.23 n/a .000
065180 [L/R# 734. / .107 / .035]
065181 [Vmax= .313;Dmax= .296]
065182 R1985C00045-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065183 CONTINUOUS NASHVD + 5.0 02:207 148.71 2.086 1985.0716 20:00 175.23 n/a .000
065184 [L/R# 734. / .107 / .035]
065185 [Vmax= .313;Dmax= .296]
065186 R1985C00046-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065187 CONTINUOUS NASHVD + 5.0 02:208 148.71 2.086 1985.0716 20:00 175.23 n/a .000
065188 [L/R# 734. / .107 / .035]
065189 [Vmax= .313;Dmax= .296]
065190 R1985C00047-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065191 ADD HYD + 5.0 02:209 148.71 2.086 1985.0716 20:00 175.23 n/a .000
065192 [L/R# 734. / .107 / .035]
065193 [Vmax= .313;Dmax= .296]
065194 R1985C00048-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065195 CONTINUOUS NASHVD + 5.0 02:210 148.71 2.086 1985.0716 20:00 175.23 n/a .000
065196 [L/R# 734. / .107 / .035]
065197 [Vmax= .313;Dmax= .296]
065198 R1985C00049-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065199 ADD HYD + 5.0 02:211 148.71 2.086 1985.0716 20:00 175.23 n/a .000
065200 [L/R# 734. / .107 / .035]
065201 [Vmax= .313;Dmax= .296]
065202 R1985C00050-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065203 CONTINUOUS NASHVD + 5.0 02:212 148.71 2.086 1985.0716 20:00 175.23 n/a .000
065204 [L/R# 734. / .107 / .035]
065205 [Vmax= .313;Dmax= .296]
065206 R1985C00051-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065207 CONTINUOUS NASHVD + 5.0 02:213 148.71 2.086 1985.0716 20:00 175.23 n/a .000
065208 [L/R# 734. / .107 / .035]
065209 [Vmax= .313;Dmax= .296]
065210 R1985C00052-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065211 ADD HYD + 5.0 02:214 148.71 2.086 1985.0716 20:00 175.23 n/a .000
065212 [L/R# 734. / .107 / .035]
065213 [Vmax= .313;Dmax= .296]
065214 R1985C00053-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065215 CONTINUOUS NASHVD + 5.0 02:215 148.71 2.086 1985.0716 20:00 175.23 n/a .000
065216 [L/R# 734. / .107 / .035]
065217 [Vmax= .313;Dmax= .296]
065218 R1985C00054-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065219 ADD HYD + 5.0 02:216 148.71 2.086 1985.0716 20:00 175.23 n/a .000
065220 [L/R# 734. / .107 / .035]
065221 [Vmax= .313;Dmax= .296]
065222 R1985C00055-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065223 CONTINUOUS NASHVD + 5.0 02:217 148.71 2.086 1985.0716 20:00 175.23 n/a .000
065224 [L/R# 734. / .107 / .035]
065225 [Vmax= .313;Dmax= .296]
065226 R1985C00056-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065227 CONTINUOUS NASHVD + 5.0 02:218 148.71 2.086 1985.0716 20:00 175.23 n/a .000
065228 [L/R# 734. / .107 / .035]
065229 [Vmax= .313;Dmax= .296]
065230 R1985C00057-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065231 ADD HYD + 5.0 02:219 148.71 2.086 1985.0716 20:00 175.23 n/a .000
065232 [L/R# 734. / .107 / .035]
065233 [Vmax= .313;Dmax= .296]
065234 R1985C00058-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065235 CONTINUOUS NASHVD + 5.0 02:220 148.71 2.086 1985.0716 20:00 175.23 n/a .000
065236 [L/R# 734. / .107 / .035]
065237 [Vmax= .313;Dmax= .296]
065238 R1985C00059-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065239 ADD HYD + 5.0 02:221 148.71 2.086 1985.0716 20:00 175.23 n/a .000
065240 [L/R# 734. / .107 / .035]
065241 [Vmax= .313;Dmax= .296]
065242 R1985C00060-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065243 CONTINUOUS NASHVD + 5.0 02:222 148.71 2.086 1985.0716 20:00 175.23 n/a .000
065244 [L/R# 734. / .107 / .035]
065245 [Vmax= .313;Dmax= .296]
065246 R1985C00061-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065247 CONTINUOUS NASHVD + 5.0 02:223 148.71 2.086 1985.0716 20:00 175.23 n/a .000
065248 [L/R# 734. / .107 / .035]
065249 [Vmax= .313;Dmax= .296]
065250 R1985C00062-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065251 ADD HYD + 5.0 02:224 148.71 2.086 1985.0716 20:00 175.23 n/a .000
065252 [L/R# 734. / .107 / .035]
065253 [Vmax= .313;Dmax= .296]
065254 R1985C00063-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065255 CONTINUOUS NASHVD + 5.0 02:225 148.71 2.086 1985.0716 20:00 175.23 n/a .000
065256 [L/R# 734. / .107 / .035]
065257 [Vmax= .313;Dmax= .296]
065258 R1985C00064-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065259 ADD HYD + 5.0 02:226 148.71 2.086 1985.0716 20:00 175.23 n/a .000
065260 [L/R# 734. / .107 / .035]
065261 [Vmax= .313;Dmax= .296]
065262 R1985C00065-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065263 CONTINUOUS NASHVD + 5.0 02:227 148.71 2.086 1985.0716 20:00 175.23 n/a .000
065264 [L/R# 734. / .107 / .035]
065265 [Vmax= .313;Dmax= .296]
065266 R1985C00066-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065267 CONTINUOUS NASHVD + 5.0 02:228 148.71 2.086 1985.0716 20:00 175.23 n/a .000
065268 [L/R# 734. / .107 / .035]
065269 [Vmax= .313;Dmax= .296]
065270 R1985C00067-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065271 ADD HYD + 5.0 02:229 148.71 2.086 1985.0716 20:00 175.23 n/a .000
065272 [L/R# 734. / .107 / .035]
065273 [Vmax= .313;Dmax= .296]
065274 R1985C00068-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065275 CONTINUOUS NASHVD + 5.0 02:230 148.71 2.086 1985.0716 20:00 175.23 n/a .000
065276 [L/R# 734. / .107 / .035]
065277 [Vmax= .313;Dmax= .296]
065278 R1985C00069-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065279 ADD HYD + 5.0 02:231 148.71 2.086 1985.0716 20:00 175.23 n/a .000
065280 [L/R# 734. / .107 / .035]
065281 [Vmax= .313;Dmax= .296]
065282 R1985C00070-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065283 CONTINUOUS NASHVD + 5.0 02:232 148.71 2.086 1985.0716 20:00 175.23 n/a .000
065284 [L/R# 734. / .107 / .035]
065285 [Vmax= .313;Dmax= .296]
065286 R1985C00071-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065287 ADD HYD + 5.0 02:233 148.71 2.086 1985.0716 20:00 175.23 n/a .000
065288 [L/R# 734. / .107 / .035]
065289 [Vmax= .313;Dmax= .296]
065290 R1985C00072-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065291 CONTINUOUS NASHVD + 5.0 02:234 148.71 2.086 1985.0716 20:00 175.23 n/a .000
065292 [L/R# 734. / .107 / .035]
065293 [Vmax= .313;Dmax= .296]
065294 R1985C00073-----DtmIn-ID:INHVD-----AREAhA-OPEARcAgs-TPeakDate hh:mm-----RvMm-R-C-----DWfMmS
065295 ADD HYD + 5.0 02:235 148.71 2.086 1985.0716 20:00 175.23 n/a .000
065296 [L/R# 734. / .107 / .035]
065297 [Vmax= .313;Dmax= .296]
0
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06841 *****
06842 R1986:C00015-----DtmIn-ID:HNVD-----AREAh-OPEARgms-TpeakDate hh:mm-----RvMm-R.C-----DWfMcs
06843 CONTINUOUS NASHVD 5.0 01:37 47.26 .722 1986.0912 6:25 270.12 .318 .000
06844 [Cm 75.0; N= 3.00; Tpe= 2.99]
06845 [IARc=24.00; SMIn= 5.0; S1=20.0; S2=25.4; EK= 100]
06846 [InterEventTime= 24.00]
06847 *****
06848 # M8
06849 R1986:C00121-----DtmIn-ID:HNVD-----AREAh-OPEARgms-TpeakDate hh:mm-----RvMm-R.C-----DWfMcs
06850 CONTINUOUS NASHVD 5.0 01:38 14.26 .299 1986.0729 2:15 278.54 .328 .000
06851 [Cm 75.0; N= 3.00; Tpe= 1.13]
06852 [IARc=24.00; SMIn= 29.88; SMAX=199.22; EK= 100]
06853 [InterEventTime= 24.00]
06854 *****
06855 # M9
06856 R1986:C00017-----DtmIn-ID:HNVD-----AREAh-OPEARgms-TpeakDate hh:mm-----RvMm-R.C-----DWfMcs
06857 CONTINUOUS NASHVD 5.0 01:39 24.24 .476 1986.0912 5:30 262.13 .209 .000
06858 [Cm 75.0; N= 3.00; Tpe= 1.13]
06859 [IARc=24.00; SMIn= 38.18; SMAX=254.55; EK= 100]
06860 [InterEventTime= 24.00]
06861 *****
06862 # SITE
06863 R1986:C00018-----DtmIn-ID:HNVD-----AREAh-OPEARgms-TpeakDate hh:mm-----RvMm-R.C-----DWfMcs
06864 CONTINUOUS NASHVD 5.0 01:37 60.48 .203 1986.0729 2:10 498.25 .540 .000
06865 [XMP= 65; TMP= 65]
06866 [Horton parameters: Pm= 76.20; Pcm= 13.20; DCNFA= 14; P= 0]
06867 [Previous area: IARp= 4.43; S1P= 2.0; S2P= 40; H= 250; S1C= 0]
06868 [Ispervious area: IARimp= 1.57; S1I= 2.0; S2I= 65; HMI= 0.13; S1C= 0]
06869 [InterEventTime= 24.00]
06870 *****
06871 # T1
06872 R1986:C00019-----DtmIn-ID:HNVD-----AREAh-OPEARgms-TpeakDate hh:mm-----RvMm-R.C-----DWfMcs
06873 CONTINUOUS NASHVD 5.0 01:37 79.25 1.308 1986.0912 5:55 254.57 .300 .000
06874 [Cm 70.0; N= 3.00; Tpe= 1.64]
06875 [IARc=24.00; SMIn= 43.07; SMAX=287.10; EK= 100]
06876 [InterEventTime= 24.00]
06877 *****
06878 # T2
06879 R1986:C00020-----DtmIn-ID:HNVD-----AREAh-OPEARgms-TpeakDate hh:mm-----RvMm-R.C-----DWfMcs
06880 CONTINUOUS NASHVD 5.0 01:37 109.26 1.930 1986.0912 6:25 259.56 .306 .000
06881 [Cm 72.0; N= 3.00; Tpe= 2.34]
06882 [IARc=24.00; SMIn= 38.18; SMAX=264.99; EK= 100]
06883 [InterEventTime= 24.00]
06884 *****
06885 # T3
06886 R1986:C00021-----DtmIn-ID:HNVD-----AREAh-OPEARgms-TpeakDate hh:mm-----RvMm-R.C-----DWfMcs
06887 CONTINUOUS NASHVD 5.0 01:37 12.05 .250 1986.0912 5:20 254.57 .300 .000
06888 [Cm 70.0; N= 3.00; Tpe= .87]
06889 [IARc=24.00; SMIn= 0.07; SMAX=287.10; EK= 100]
06890 [InterEventTime= 24.00]
06891 *****
06892 # T4
06893 R1986:C00022-----DtmIn-ID:HNVD-----AREAh-OPEARgms-TpeakDate hh:mm-----RvMm-R.C-----DWfMcs
06894 CONTINUOUS NASHVD 5.0 01:37 65.89 1.082 1986.0912 6:00 259.56 .306 .000
06895 [Cm 72.0; N= 3.00; Tpe= 1.78]
06896 [IARc=24.00; SMIn= 39.75; SMAX=264.99; EK= 100]
06897 [InterEventTime= 24.00]
06898 *****
06899 # T5
06900 R1986:C00023-----DtmIn-ID:HNVD-----AREAh-OPEARgms-TpeakDate hh:mm-----RvMm-R.C-----DWfMcs
06901 CONTINUOUS NASHVD 5.0 01:35 171.81 1.894 1986.0912 7:00 238.50 .281 .000
06902 [Cm 64.0; N= 3.00; Tpe= 3.07]
06903 [IARc=24.00; SMIn= 57.05; SMAX=380.32; EK= 100]
06904 [InterEventTime= 24.00]
06905 *****
06906 # T6
06907 R1986:C00024-----DtmIn-ID:HNVD-----AREAh-OPEARgms-TpeakDate hh:mm-----RvMm-R.C-----DWfMcs
06908 CONTINUOUS NASHVD 5.0 01:37 60.20 .817 1986.0912 6:55 275.68 .325 .000
06909 [Cm 70.0; N= 3.00; Tpe= 2.98]
06910 [IARc=24.00; SMIn= 31.15; SMAX=207.66; EK= 100]
06911 [InterEventTime= 24.00]
06912 *****
06913 # T7
06914 R1986:C00025-----DtmIn-ID:HNVD-----AREAh-OPEARgms-TpeakDate hh:mm-----RvMm-R.C-----DWfMcs
06915 CONTINUOUS NASHVD 5.0 01:37 68.05 .934 1986.0912 6:40 259.56 .306 .000
06916 [Cm 72.0; N= 3.00; Tpe= 2.63]
06917 [IARc=24.00; SMIn= 38.18; SMAX=264.99; EK= 100]
06918 [InterEventTime= 24.00]
06919 *****
06920 # T8
06921 R1986:C00026-----DtmIn-ID:HNVD-----AREAh-OPEARgms-TpeakDate hh:mm-----RvMm-R.C-----DWfMcs
06922 ROUTE CHANNEL -> 5.0 02:01 111.89 1.520 1986.0912 6:00 228.17 n/a .000
06923 [I/R= 5.00 out= 5.0 02:01 111.89 1.195 1986.0912 7:00 228.17 n/a .000]
06924 [Vmax= .347; Dmax= .939]
06925 *****
06926 # T9
06927 R1986:C00027-----DtmIn-ID:HNVD-----AREAh-OPEARgms-TpeakDate hh:mm-----RvMm-R.C-----DWfMcs
06928 ADD HYD + 5.0 02:01 111.89 1.195 1986.0912 7:00 228.17 n/a .000
06929 + 5.0 02:02 119.77 1.520 1986.0912 6:00 228.17 n/a .000
06930 + 5.0 02:03 39.07 .406 1986.0912 6:05 206.33 n/a .000
06931 SUM= 5.0 02:02 270.69 2.603 1986.0912 6:50 219.93 n/a .000
06932 R1986:C00028-----DtmIn-ID:HNVD-----AREAh-OPEARgms-TpeakDate hh:mm-----RvMm-R.C-----DWfMcs
06933 ROUTE CHANNEL -> 5.0 02:22 270.69 2.603 1986.0912 6:50 219.93 n/a .000
06934 [I/R= 5.00 out= 5.0 02:22 270.69 2.391 1986.0912 7:00 219.93 n/a .000]
06935 [Vmax= .575; Dmax= .495]
06936 *****
06937 # T10
06938 R1986:C00029-----DtmIn-ID:HNVD-----AREAh-OPEARgms-TpeakDate hh:mm-----RvMm-R.C-----DWfMcs
06939 ADD HYD + 5.0 02:22 270.69 2.591 1986.0912 7:00 219.93 n/a .000
06940 + 5.0 02:23 277.91 3.259 1986.0912 6:10 219.93 n/a .000
06941 + 5.0 02:23 321.65 3.132 1986.0912 6:50 219.93 n/a .000
06942 SUM= 5.0 02:22 270.69 3.132 1986.0912 6:50 219.93 n/a .000
06943 R1986:C00030-----DtmIn-ID:HNVD-----AREAh-OPEARgms-TpeakDate hh:mm-----RvMm-R.C-----DWfMcs
06944 ROUTE CHANNEL -> 5.0 02:23 321.65 3.070 1986.0912 7:10 219.93 n/a .000
06945 [I/R= 5.00 out= 5.0 02:23 321.65 3.070 1986.0912 7:10 219.93 n/a .000]
06946 [Vmax= .417; Dmax= .429]
06947 *****
06948 # T11
06949 R1986:C00031-----DtmIn-ID:HNVD-----AREAh-OPEARgms-TpeakDate hh:mm-----RvMm-R.C-----DWfMcs
06950 ADD HYD + 5.0 02:23 321.65 3.070 1986.0912 7:10 219.93 n/a .000
06951 + 5.0 02:25 56.26 .660 1986.0912 6:20 223.33 n/a .000
06952 + 5.0 02:25 377.91 3.683 1986.0912 7:00 219.93 n/a .000
06953 SUM= 5.0 02:23 321.65 3.683 1986.0912 7:00 219.93 n/a .000
06954 R1986:C00032-----DtmIn-ID:HNVD-----AREAh-OPEARgms-TpeakDate hh:mm-----RvMm-R.C-----DWfMcs
06955 ROUTE CHANNEL -> 5.0 02:24 377.91 3.683 1986.0912 7:00 219.93 n/a .000
06956 [I/R= 5.00 out= 5.0 02:24 377.91 3.454 1986.0912 7:10 219.93 n/a .000]
06957 [Vmax= 1.580; Dmax= .939]
06958 *****
06959 # T12
06960 R1986:C00033-----DtmIn-ID:HNVD-----AREAh-OPEARgms-TpeakDate hh:mm-----RvMm-R.C-----DWfMcs
06961 ADD HYD + 5.0 02:23 60.46 .487 1986.0912 6:05 211.02 n/a .000
06962 + 5.0 02:23 74.62 .140 1986.0912 5:20 236.38 n/a .000
06963 + 5.0 02:23 17.96 .248 1986.0912 6:00 228.17 n/a .000
06964 + 5.0 02:23 148.71 2.294 1986.0912 6:00 315.86 n/a .000
06965 + 5.0 02:23 1.55 .030 1986.0729 2:10 222.33 n/a .000
06966 SUM= 5.0 02:23 60.48 .203 1986.0729 2:10 498.25 n/a .000
06967 R1986:C00034-----DtmIn-ID:HNVD-----AREAh-OPEARgms-TpeakDate hh:mm-----RvMm-R.C-----DWfMcs
06968 ROUTE RESERVOIR -> 5.0 03:00 148.71 2.294 1986.0729 2:10 315.86 n/a .000
06969 out <= 5.0 03:00 148.71 2.294 1986.0729 2:10 315.86 n/a .000
06970 overflow <= 5.0 03:00 148.71 2.294 1986.0729 2:10 315.86 n/a .000
06971 [H= 2.0; S= 2.0; D= 2.0]
06972 [H= 2.0; S= 2.0; D= 2.0]
06973 [H= 2.0; S= 2.0; D= 2.0]
06974 [H= 2.0; S= 2.0; D= 2.0]
06975 [H= 2.0; S= 2.0; D= 2.0]
06976 R1986:C00035-----DtmIn-ID:HNVD-----AREAh-OPEARgms-TpeakDate hh:mm-----RvMm-R.C-----DWfMcs
06977 SAVE HYD 5.0 03:00 148.71 2.294 1986.0912 6:10 315.86 n/a .000
06978 [I/R= 5.00 out= 5.0 03:00 148.71 2.294 1986.0912 6:10 315.86 n/a .000]
06979 [Vmax= 1.312; Dmax= .986]
06980 *****
06981 # T13
06982 R1986:C00036-----DtmIn-ID:HNVD-----AREAh-OPEARgms-TpeakDate hh:mm-----RvMm-R.C-----DWfMcs
06983 ADD HYD + 5.0 02:05 377.91 3.654 1986.0912 7:10 219.85 n/a .000
06984 + 5.0 02:05 148.71 2.294 1986.0912 6:00 315.86 n/a .000
06985 + 5.0 02:05 526.62 4.804 1986.0912 7:00 246.96 n/a .000
06986 SUM= 5.0 02:05 377.91 3.654 1986.0912 7:00 246.96 n/a .000
06987 R1986:C00037-----DtmIn-ID:HNVD-----AREAh-OPEARgms-TpeakDate hh:mm-----RvMm-R.C-----DWfMcs
06988 ROUTE CHANNEL -> 5.0 02:07 526.62 4.804 1986.0912 7:00 246.96 n/a .000
06989 [I/R= 5.00 out= 5.0 02:07 526.62 4.789 1986.0912 7:05 246.96 n/a .000]
06990 [Vmax= 308.0; Dmax= .939]
06991 *****
06992 # T14
06993 R1986:C00038-----DtmIn-ID:HNVD-----AREAh-OPEARgms-TpeakDate hh:mm-----RvMm-R.C-----DWfMcs
06994 ADD HYD + 5.0 02:10 526.62 4.789 1986.0912 7:05 246.96 n/a .000
06995 + 5.0 02:10 29.62 .256 1986.0912 6:05 234.29 n/a .000
06996 + 5.0 02:10 14.26 .299 1986.0729 2:10 278.54 n/a .000
06997 SUM= 5.0 02:10 526.50 4.789 1986.0912 6:55 247.18 n/a .000
06998 R1986:C00039-----DtmIn-ID:HNVD-----AREAh-OPEARgms-TpeakDate hh:mm-----RvMm-R.C-----DWfMcs
06999 ERRODIN INDEX 5.0 01:12 566.50 .047 8234.58 298.67 3.63 14 .629E-06
07000 [I/R= 5.00 out= 5.0 01:12 566.50 0.047 8234.58 298.67 3.63 14 .629E-06]
07001 *****
07002 # T15
07003 R1986:C00040-----DtmIn-ID:HNVD-----AREAh-OPEARgms-TpeakDate hh:mm-----RvMm-R.C-----DWfMcs
07004 SAVE HYD 5.0 01:12 566.50 5.260 1986.0912 6:55 247.18 n/a .000
07005 [I/R= 5.00 out= 5.0 01:12 566.50 5.087 1986.0912 7:20 247.18 n/a .000]
07006 [Vmax= .492; Dmax= .616]
07007 *****
07008 # T16
07009 R1986:C00041-----DtmIn-ID:HNVD-----AREAh-OPEARgms-TpeakDate hh:mm-----RvMm-R.C-----DWfMcs
07010 ADD HYD + 5.0 02:21 79.25 1.308 1986.0912 5:55 254.57 n/a .000
07011 + 5.0 02:22 109.81 1.590 1986.0912 6:25 259.56 n/a .000
07012 + 5.0 02:23 12.05 .250 1986.0912 5:20 254.57 n/a .000
07013 SUM= 5.0 02:21 201.11 3.062 1986.0912 6:05 257.30 n/a .000
07014 R1986:C00042-----DtmIn-ID:HNVD-----AREAh-OPEARgms-TpeakDate hh:mm-----RvMm-R.C-----DWfMcs
07015 ROUTE CHANNEL -> 5.0 02:21 201.11 3.062 1986.0912 6:05 257.30 n/a .000
07016 [I/R= 5.00 out= 5.0 02:21 201.11 3.062 1986.0912 6:05 257.30 n/a .000]
07017 [Vmax= 7.32; Dmax= 1.122]
07018 *****
07019 # T17
07020 R1986:C00043-----DtmIn-ID:HNVD-----AREAh-OPEARgms-TpeakDate hh:mm-----RvMm-R.C-----DWfMcs
07021 ADD HYD + 5.0 02:24 65.89 1.082 1986.0912 6:00 259.56 n/a .000
07022 + 5.0 02:25 171.81 1.894 1986.0912 7:00 238.50 n/a .000
07023 + 5.0 02:25 301.11 3.030 1986.0912 6:15 257.29 n/a .000

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072021 [CM 78.0: N= 3.00: T= 1.13]
072022 [IAREC=24.00: SMIN= 24.00: SMAX=199.22: SK= 100]
072023 [InterEventTime= 24.00]
072024 # 9
072025 # 9
072026 # 9
072027 R1987C00018-----DtmIn-ID:INHYD-----AREAhA-QPEARcMs-TpaeDate h:hm-----RvM-R-C-----DMFMS
072028 CONTINUOUS NASHYD 5.0 01:39 24.24 .440 1987.0724.21:30 150.03 .234 .000
072029 [CM 71.0: N= 3.00: T= 1.13]
072030 [IAREC=24.00: SMIN= 24.00: SMAX=254.55: SK= 100]
072031 [InterEventTime= 24.00]
072032 # 10
072033 # SITE
072034 # 10
072035 R1987C00018-----DtmIn-ID:INHYD-----AREAhA-QPEARcMs-TpaeDate h:hm-----RvM-R-C-----DMFMS
072036 CONTINUOUS STANDHYD 5.0 01:31E 60.48 2.150 1987.0724.19:00 329.08 .514 .000
072037 [XMS= 56.20: F= 45]
072038 [Horton parameters: F= 76.20: F= 13.20: DCA= 4.14: F= .00]
072039 [Fervous area: IAPex= 4.67: SLPF= 2.00: LDP= 4.0: SPM= 250: SCF= .0]
072040 [Imagery area: IAPex= 1.51: SLPF= 2.00: LDP= 4.0: SPM= 250: SCF= .0]
072041 [IAREC= 10.00: IAREC= 24.00]
072042 # 11
072043 # 11
072044 R1987C00019-----DtmIn-ID:INHYD-----AREAhA-QPEARcMs-TpaeDate h:hm-----RvM-R-C-----DMFMS
072045 CONTINUOUS NASHYD 5.0 01:21 79.25 2.066 1987.0724.21:55 144.44 .226 .000
072046 [IAREC=24.00: SMIN= 43.07: SMAX=287.10: SK= 100]
072047 [InterEventTime= 24.00]
072048 # 12
072049 # 12
072050 R1987C00020-----DtmIn-ID:INHYD-----AREAhA-QPEARcMs-TpaeDate h:hm-----RvM-R-C-----DMFMS
072051 CONTINUOUS NASHYD 5.0 01:22 109.81 1.168 1987.0724.22:15 148.13 .232 .000
072052 [CM 72.0: N= 3.00: T= 1.44]
072053 [IAREC=24.00: SMIN= 39.75: SMAX=264.99: SK= 100]
072054 [InterEventTime= 24.00]
072055 # 13
072056 # 13
072057 R1987C00021-----DtmIn-ID:INHYD-----AREAhA-QPEARcMs-TpaeDate h:hm-----RvM-R-C-----DMFMS
072058 CONTINUOUS NASHYD 5.0 01:24 12.05 .237 1987.0724.21:25 144.44 .226 .000
072059 [CM 70.0: N= 3.00: T= .87]
072060 [IAREC=24.00: SMIN= 43.07: SMAX=287.10: SK= 100]
072061 [InterEventTime= 24.00]
072062 # 14
072063 # 14
072064 R1987C00022-----DtmIn-ID:INHYD-----AREAhA-QPEARcMs-TpaeDate h:hm-----RvM-R-C-----DMFMS
072065 CONTINUOUS NASHYD 5.0 01:24 65.80 .497 1987.0724.22:05 148.14 .232 .000
072066 [CM 72.0: N= 3.00: T= 1.76]
072067 [IAREC=24.00: SMIN= 24.00: SMAX=264.99: SK= 100]
072068 [InterEventTime= 24.00]
072069 # 15
072070 # 15
072071 R1987C00023-----DtmIn-ID:INHYD-----AREAhA-QPEARcMs-TpaeDate h:hm-----RvM-R-C-----DMFMS
072072 CONTINUOUS NASHYD 5.0 01:25 171.81 1.186 1987.0724.23:15 132.38 .207 .000
072073 [CM 64.0: N= 3.00: T= 3.07]
072074 [IAREC=24.00: SMIN= 380.32: SK= 100]
072075 [InterEventTime= 24.00]
072076 # 16
072077 # 16
072078 R1987C00024-----DtmIn-ID:INHYD-----AREAhA-QPEARcMs-TpaeDate h:hm-----RvM-R-C-----DMFMS
072079 CONTINUOUS NASHYD 5.0 01:26 60.20 .585 1987.0724.23:10 160.11 .250 .000
072080 [CM 72.0: N= 3.00: T= 2.44]
072081 [IAREC=24.00: SMIN= 31.15: SMAX=207.66: SK= 100]
072082 [InterEventTime= 24.00]
072083 # 17
072084 # 17
072085 R1987C00025-----DtmIn-ID:INHYD-----AREAhA-QPEARcMs-TpaeDate h:hm-----RvM-R-C-----DMFMS
072086 CONTINUOUS NASHYD 5.0 01:27 68.50 .660 1987.0724.22:50 148.13 .232 .000
072087 [CM 72.0: N= 3.00: T= 2.44]
072088 [IAREC=24.00: SMIN= 39.75: SMAX=264.99: SK= 100]
072089 [InterEventTime= 24.00]
072090 # 18
072091 # 18
072092 R1987C00026-----DtmIn-ID:INHYD-----AREAhA-QPEARcMs-TpaeDate h:hm-----RvM-R-C-----DMFMS
072093 ROUTE CHANNEL > 5.0 01:31 111.89 .719 1987.0724.23:25 124.68 n/a .000
072094 [RD= 5.00: out= 5.0: 01:31 111.89 .719 1987.0724.23:25 124.68 n/a .000]
072095 [I/S= 100 / 100 / 035]
072096 [Vmax= 323: Dmax= 445]
072097 R1987C00027-----DtmIn-ID:INHYD-----AREAhA-QPEARcMs-TpaeDate h:hm-----RvM-R-C-----DMFMS
072098 ADD HYD + 5.0 02:12 119.73 .605 1987.0724.23:20 116.11 n/a .000
072099 SUM + 5.0 02:12 270.69 .521 1987.0724.23:05 118.48 n/a .000
072100 R1987C00028-----DtmIn-ID:INHYD-----AREAhA-QPEARcMs-TpaeDate h:hm-----RvM-R-C-----DMFMS
072101 ROUTE CHANNEL > 5.0 01:32 270.69 .521 1987.0724.23:05 118.48 n/a .000
072102 [RD= 5.00: out= 5.0: 01:32 270.69 .521 1987.0724.23:05 118.48 n/a .000]
072103 [I/S= 100 / 100 / 035]
072104 [Vmax= 498: Dmax= 393]
072105 R1987C00029-----DtmIn-ID:INHYD-----AREAhA-QPEARcMs-TpaeDate h:hm-----RvM-R-C-----DMFMS
072106 ADD HYD + 5.0 02:14 50.96 .382 1987.0724.22:15 116.11 n/a .000
072107 SUM + 5.0 02:12 270.69 .521 1987.0724.23:05 118.48 n/a .000
072108 R1987C00030-----DtmIn-ID:INHYD-----AREAhA-QPEARcMs-TpaeDate h:hm-----RvM-R-C-----DMFMS
072109 ROUTE CHANNEL > 5.0 02:23 321.65 1.842 1987.0724.23:30 118.10 n/a .000
072110 [RD= 5.00: out= 5.0: 02:23 321.65 1.842 1987.0724.23:30 118.10 n/a .000]
072111 [I/S= 100 / 100 / 035]
072112 [Vmax= 248: Dmax= 456]
072113 R1987C00031-----DtmIn-ID:INHYD-----AREAhA-QPEARcMs-TpaeDate h:hm-----RvM-R-C-----DMFMS
072114 ADD HYD + 5.0 02:18 321.65 1.842 1987.0724.23:30 118.10 n/a .000
072115 SUM + 5.0 02:12 270.69 .521 1987.0724.23:05 118.48 n/a .000
072116 R1987C00032-----DtmIn-ID:INHYD-----AREAhA-QPEARcMs-TpaeDate h:hm-----RvM-R-C-----DMFMS
072117 ROUTE CHANNEL > 5.0 02:24 377.91 2.140 1987.0724.23:15 118.43 n/a .000
072118 [RD= 5.00: out= 5.0: 02:24 377.91 2.140 1987.0724.23:15 118.43 n/a .000]
072119 [I/S= 100 / 100 / 035]
072120 [Vmax= 496: Dmax= 419]
072121 R1987C00033-----DtmIn-ID:INHYD-----AREAhA-QPEARcMs-TpaeDate h:hm-----RvM-R-C-----DMFMS
072122 ADD HYD + 5.0 02:21 60.46 .462 1987.0724.22:05 113.38 n/a .000
072123 SUM + 5.0 02:12 270.69 .521 1987.0724.23:05 118.48 n/a .000
072124 R1987C00034-----DtmIn-ID:INHYD-----AREAhA-QPEARcMs-TpaeDate h:hm-----RvM-R-C-----DMFMS
072125 ROUTE CHANNEL > 5.0 02:27 171.86 .416 1987.0724.22:05 124.68 n/a .000
072126 SUM + 5.0 02:12 270.69 .521 1987.0724.23:05 118.48 n/a .000
072127 R1987C00035-----DtmIn-ID:INHYD-----AREAhA-QPEARcMs-TpaeDate h:hm-----RvM-R-C-----DMFMS
072128 ROUTE CHANNEL > 5.0 02:23 321.65 1.842 1987.0724.23:30 118.10 n/a .000
072129 [RD= 5.00: out= 5.0: 02:23 321.65 1.842 1987.0724.23:30 118.10 n/a .000]
072130 [I/S= 100 / 100 / 035]
072131 [Vmax= 248: Dmax= 456]
072132 R1987C00036-----DtmIn-ID:INHYD-----AREAhA-QPEARcMs-TpaeDate h:hm-----RvM-R-C-----DMFMS
072133 ADD HYD + 5.0 02:21 60.46 .462 1987.0724.22:05 113.38 n/a .000
072134 SUM + 5.0 02:12 270.69 .521 1987.0724.23:05 118.48 n/a .000
072135 R1987C00037-----DtmIn-ID:INHYD-----AREAhA-QPEARcMs-TpaeDate h:hm-----RvM-R-C-----DMFMS
072136 ROUTE CHANNEL > 5.0 02:27 171.86 .416 1987.0724.22:05 124.68 n/a .000
072137 SUM + 5.0 02:12 270.69 .521 1987.0724.23:05 118.48 n/a .000
072138 R1987C00038-----DtmIn-ID:INHYD-----AREAhA-QPEARcMs-TpaeDate h:hm-----RvM-R-C-----DMFMS
072139 ROUTE CHANNEL > 5.0 02:23 321.65 1.842 1987.0724.23:30 118.10 n/a .000
072140 [RD= 5.00: out= 5.0: 02:23 321.65 1.842 1987.0724.23:30 118.10 n/a .000]
072141 [I/S= 100 / 100 / 035]
072142 [Vmax= 248: Dmax= 456]
072143 R1987C00039-----DtmIn-ID:INHYD-----AREAhA-QPEARcMs-TpaeDate h:hm-----RvM-R-C-----DMFMS
072144 ADD HYD + 5.0 02:16 25.62 .259 1987.0724.22:10 129.24 n/a .000
072145 SUM + 5.0 02:12 270.69 .521 1987.0724.23:05 118.48 n/a .000
072146 R1987C00040-----DtmIn-ID:INHYD-----AREAhA-QPEARcMs-TpaeDate h:hm-----RvM-R-C-----DMFMS
072147 ROUTE CHANNEL > 5.0 02:12 14.26 .289 1987.0724.22:10 142.30 n/a .000
072148 [RD= 5.00: out= 5.0: 02:12 14.26 .289 1987.0724.22:10 142.30 n/a .000]
072149 [I/S= 100 / 100 / 035]
072150 [Vmax= 389: Dmax= 354]
072151 R1987C00041-----DtmIn-ID:INHYD-----AREAhA-QPEARcMs-TpaeDate h:hm-----RvM-R-C-----DMFMS
072152 ADD HYD + 5.0 02:16 526.62 2.630 1987.0724.23:10 142.43 n/a .000
072153 SUM + 5.0 02:12 270.69 .521 1987.0724.23:05 118.48 n/a .000
072154 R1987C00042-----DtmIn-ID:INHYD-----AREAhA-QPEARcMs-TpaeDate h:hm-----RvM-R-C-----DMFMS
072155 ROUTE CHANNEL > 5.0 02:27 526.62 2.630 1987.0724.23:10 142.43 n/a .000
072156 [RD= 5.00: out= 5.0: 02:27 526.62 2.630 1987.0724.23:10 142.43 n/a .000]
072157 [I/S= 100 / 100 / 035]
072158 [Vmax= 389: Dmax= 354]
072159 R1987C00043-----DtmIn-ID:INHYD-----AREAhA-QPEARcMs-TpaeDate h:hm-----RvM-R-C-----DMFMS
072160 ADD HYD + 5.0 02:16 526.62 2.630 1987.0724.23:10 142.43 n/a .000
072161 SUM + 5.0 02:12 270.69 .521 1987.0724.23:05 118.48 n/a .000
072162 R1987C00044-----DtmIn-ID:INHYD-----AREAhA-QPEARcMs-TpaeDate h:hm-----RvM-R-C-----DMFMS
072163 ROUTE CHANNEL > 5.0 02:27 526.62 2.630 1987.0724.23:10 142.43 n/a .000
072164 [RD= 5.00: out= 5.0: 02:27 526.62 2.630 1987.0724.23:10 142.43 n/a .000]
072165 [I/S= 100 / 100 / 035]
072166 [Vmax= 492: Dmax= 456]
072167 R1987C00045-----DtmIn-ID:INHYD-----AREAhA-QPEARcMs-TpaeDate h:hm-----RvM-R-C-----DMFMS
072168 ADD HYD + 5.0 02:22 109.81 1.168 1987.0724.22:15 148.13 n/a .000
072169 SUM + 5.0 02:12 270.69 .521 1987.0724.23:05 118.48 n/a .000
072170 R1987C00046-----DtmIn-ID:INHYD-----AREAhA-QPEARcMs-TpaeDate h:hm-----RvM-R-C-----DMFMS
072171 ROUTE CHANNEL > 5.0 02:13 12.05 .237 1987.0724.21:25 144.44 n/a .000
072172 [RD= 5.00: out= 5.0: 02:13 12.05 .237 1987.0724.21:25 144.44 n/a .000]
072173 [I/S= 100 / 100 / 035]
072174 [Vmax= 492: Dmax= 456]
072175 R1987C00047-----DtmIn-ID:INHYD-----AREAhA-QPEARcMs-TpaeDate h:hm-----RvM-R-C-----DMFMS
072176 ADD HYD + 5.0 02:27 68.50 .660 1987.0724.22:50 148.14 n/a .000
072177 SUM + 5.0 02:12 270.69 .521 1987.0724.23:05 118.48 n/a .000
072178 R1987C00048-----DtmIn-ID:INHYD-----AREAhA-QPEARcMs-TpaeDate h:hm-----RvM-R-C-----DMFMS
072179 ROUTE CHANNEL > 5.0 02:27 47.26 .554 1987.0724.22:50 155.94 n/a .000
072180 [RD= 5.00: out= 5.0: 02:27 47.26 .554 1987.0724.22:50 155.94 n/a .000]
072181 [I/S= 100 / 100 / 035]
072182 [Vmax= 373: Dmax= 119]
072183 R1987C00049-----DtmIn-ID:INHYD-----AREAhA-QPEARcMs-TpaeDate h:hm-----RvM-R-C-----DMFMS
072184 ADD HYD + 5.0 02:27 68.50 .660 1987.0724.22:50 148.14 n/a .000
072185 SUM + 5.0 02:12 270.69 .521 1987.0724.23:05 118.48 n/a .000
072186 R1987C00050-----DtmIn-ID:INHYD-----AREAhA-QPEARcMs-TpaeDate h:hm-----RvM-R-C-----DMFMS
072187 ROUTE CHANNEL > 5.0 02:27 47.26 .554 1987.0724.22:50 155.94 n/a .000
072188 [RD= 5.00: out= 5.0: 02:27 47.26 .554 1987.0724.22:50 155.94 n/a .000]
072189 [I/S= 100 / 100 / 035]
072190 [Vmax= 373: Dmax= 119]

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09231 # T1
09232 *****DtmIn-ID:HYD-----AREAh-QFEARcm-TPeakDate hh:mm-----RvM-R-C-----DWfms
09233 1989:CO0019-----DtmIn-ID:HYD-----AREAh-QFEARcm-TPeakDate hh:mm-----RvM-R-C-----DWfms
09234 CONTINUOUS NASHVD 5.0 01171 79.25 .750 1989.0727.22140 95.59 183 .000
09235 [Cm 72.0: Nm 3.00: Tpm 2.34]
09236 [IARE=24.00: SMIN= 43.07: SMAX=287.10: SR= 100]
09237 [InterEventTime 24.00]
09238 *****
09239 # T2
09240 *****DtmIn-ID:HYD-----AREAh-QFEARcm-TPeakDate hh:mm-----RvM-R-C-----DWfms
09241 1989:CO0020-----DtmIn-ID:HYD-----AREAh-QFEARcm-TPeakDate hh:mm-----RvM-R-C-----DWfms
09242 CONTINUOUS NASHVD 5.0 01174 109.81 .820 1989.0727.23130 98.52 189 .000
09243 [Cm 72.0: Nm 3.00: Tpm 2.34]
09244 [IARE=24.00: SMIN= 39.75: SMAX=264.99: SR= 100]
09245 [InterEventTime 24.00]
09246 *****
09247 # T3
09248 *****DtmIn-ID:HYD-----AREAh-QFEARcm-TPeakDate hh:mm-----RvM-R-C-----DWfms
09249 1989:CO0021-----DtmIn-ID:HYD-----AREAh-QFEARcm-TPeakDate hh:mm-----RvM-R-C-----DWfms
09250 CONTINUOUS NASHVD 5.0 01176 60.20 .419 1989.0727.21445 85.59 183 .000
09251 [Cm 70.0: Nm 3.00: Tpm .87]
09252 [IARE=24.00: SMIN= 43.07: SMAX=287.10: SR= 100]
09253 [InterEventTime 24.00]
09254 *****
09255 # T4
09256 *****DtmIn-ID:HYD-----AREAh-QFEARcm-TPeakDate hh:mm-----RvM-R-C-----DWfms
09257 1989:CO0022-----DtmIn-ID:HYD-----AREAh-QFEARcm-TPeakDate hh:mm-----RvM-R-C-----DWfms
09258 CONTINUOUS NASHVD 5.0 01174 65.89 .619 1989.0727.22150 98.52 189 .000
09259 [Cm 72.0: Nm 3.00: Tpm 1.76]
09260 [IARE=24.00: SMIN= 39.75: SMAX=264.99: SR= 100]
09261 [InterEventTime 24.00]
09262 *****
09263 # T5
09264 *****DtmIn-ID:HYD-----AREAh-QFEARcm-TPeakDate hh:mm-----RvM-R-C-----DWfms
09265 1989:CO0023-----DtmIn-ID:HYD-----AREAh-QFEARcm-TPeakDate hh:mm-----RvM-R-C-----DWfms
09266 CONTINUOUS NASHVD 5.0 01175 171.81 .816 1989.0728.0115 86.24 165 .000
09267 [Cm 60.0: Nm 3.00: Tpm 1.19]
09268 [IARE=24.00: SMIN= 57.05: SMAX=380.32: SR= 100]
09269 [InterEventTime 24.00]
09270 *****
09271 # T6
09272 *****DtmIn-ID:HYD-----AREAh-QFEARcm-TPeakDate hh:mm-----RvM-R-C-----DWfms
09273 1989:CO0024-----DtmIn-ID:HYD-----AREAh-QFEARcm-TPeakDate hh:mm-----RvM-R-C-----DWfms
09274 CONTINUOUS NASHVD 5.0 01176 60.20 .419 1989.0728.0105 108.18 207 .000
09275 [Cm 71.0: Nm 3.00: Tpm 1.98]
09276 [IARE=24.00: SMIN= 31.15: SMAX=207.66: SR= 100]
09277 [InterEventTime 24.00]
09278 *****
09279 # T7
09280 *****DtmIn-ID:HYD-----AREAh-QFEARcm-TPeakDate hh:mm-----RvM-R-C-----DWfms
09281 1989:CO0025-----DtmIn-ID:HYD-----AREAh-QFEARcm-TPeakDate hh:mm-----RvM-R-C-----DWfms
09282 CONTINUOUS NASHVD 5.0 01173 68.50 .464 1989.0727.23145 98.52 189 .000
09283 [Cm 72.0: Nm 3.00: Tpm 2.63]
09284 [IARE=24.00: SMIN= 39.75: SMAX=264.99: SR= 100]
09285 [InterEventTime 24.00]
09286 *****
09287 ROUTE CHANNEL -> 5.0 02181 111.89 .742 1989.0727.22150 80.31 n/a .000
09288 [RDV= 5.00 out<- 5.0 01181 111.89 .482 1989.0728.0115 80.31 n/a .000
09289 [L/S= 181.7 / 107.035]
09290 [Vmax=.303;Dmax=.195]
09291 *****
09292 1989:CO0026-----DtmIn-ID:HYD-----AREAh-QFEARcm-TPeakDate hh:mm-----RvM-R-C-----DWfms
09293 ADD HYD 5.0 02181 111.89 .482 1989.0728.0115 80.31 n/a .000
09294 + 5.0 02182 119.73 .405 1989.0728.0200 73.94 n/a .000
09295 + 5.0 02183 39.07 .174 1989.0727.21120 75.46 n/a .000
09296 SUM= 5.0 02182 270.69 1.016 1989.0728.0100 75.74 n/a .000
09297 *****
09298 1989:CO0028-----DtmIn-ID:HYD-----AREAh-QFEARcm-TPeakDate hh:mm-----RvM-R-C-----DWfms
09299 ROUTE CHANNEL -> 5.0 02132 270.69 1.016 1989.0728.0100 75.74 n/a .000
09300 [RDV= 5.00 out<- 5.0 01182 270.69 1.008 1989.0728.0115 75.74 n/a .000
09301 [L/S= 471.7 / 227.035]
09302 [Vmax=.439;Dmax=.137]
09303 *****
09304 1989:CO0029-----DtmIn-ID:HYD-----AREAh-QFEARcm-TPeakDate hh:mm-----RvM-R-C-----DWfms
09305 ADD HYD 5.0 02182 270.69 1.008 1989.0728.0115 75.74 n/a .000
09306 + 5.0 02184 50.96 .252 1989.0727.23105 73.94 n/a .000
09307 + 5.0 02183 321.65 1.229 1989.0728.0100 75.46 n/a .000
09308 SUM= 5.0 02182 321.65 1.229 1989.0728.0100 75.46 n/a .000
09309 *****
09310 1989:CO0030-----DtmIn-ID:HYD-----AREAh-QFEARcm-TPeakDate hh:mm-----RvM-R-C-----DWfms
09311 ROUTE CHANNEL -> 5.0 01183 321.65 1.165 1989.0728.0135 75.46 n/a .000
09312 [RDV= 5.00 out<- 5.0 01183 321.65 1.165 1989.0728.0135 75.46 n/a .000
09313 [L/S= 734.7 / 107.035]
09314 [Vmax=.301;Dmax=.195]
09315 *****
09316 1989:CO0031-----DtmIn-ID:HYD-----AREAh-QFEARcm-TPeakDate hh:mm-----RvM-R-C-----DWfms
09317 ADD HYD 5.0 02183 321.65 1.165 1989.0728.0135 75.46 n/a .000
09318 + 5.0 02185 56.26 .291 1989.0727.23115 77.03 n/a .000
09319 + 5.0 02184 377.91 1.406 1989.0728.0120 75.69 n/a .000
09320 SUM= 5.0 02183 377.91 1.406 1989.0728.0120 75.69 n/a .000
09321 *****
09322 1989:CO0032-----DtmIn-ID:HYD-----AREAh-QFEARcm-TPeakDate hh:mm-----RvM-R-C-----DWfms
09323 ROUTE CHANNEL -> 5.0 01124 377.91 1.406 1989.0728.0120 75.69 n/a .000
09324 [RDV= 5.00 out<- 5.0 01124 377.91 1.379 1989.0728.0140 75.69 n/a .000
09325 [L/S= 664.7 / 157.035]
09326 [Vmax=.431;Dmax=.143]
09327 *****
09328 1989:CO0033-----DtmIn-ID:HYD-----AREAh-QFEARcm-TPeakDate hh:mm-----RvM-R-C-----DWfms
09329 ADD HYD 5.0 021X1 60.46 .303 1989.0727.22150 71.96 n/a .000
09330 + 5.0 021X2 71.62 .092 1989.0727.21120 75.46 n/a .000
09331 + 5.0 021X3 17.96 .123 1989.0727.22145 80.31 n/a .000
09332 + 5.0 021X4 1.64 .009 1989.0727.21120 70.05 n/a .000
09333 + 5.0 021X5 1.55 .027 1989.0727.21120 77.03 n/a .000
09334 SUM= 5.0 021X1 60.48 2.470 1989.0727.21100 261.76 n/a .000
09335 [L/S= 101.70 / 157.035]
09336 [Vmax=.202;Dmax=.097]
09337 *****
09338 1989:CO0034-----DtmIn-ID:HYD-----AREAh-QFEARcm-TPeakDate hh:mm-----RvM-R-C-----DWfms
09339 ROUTE RESERVOIR -> 5.0 02PND 148.71 2.572 1989.0727.21100 150.87 n/a .000
09340 [RDV= 5.00 out<- 5.0 01PNDout 148.71 .343 1989.0728.0115 150.87 n/a .000
09341 overflow cc = 5.0 01PNDout 0.00 .000 1989.0101.0000 .00 n/a .000
09342 [RDV= 5.00 out<- 5.0 01PNDout 0.00 .000 1989.0101.0000 .00 n/a .000
09343 [L/S= 4738.00 / 1000.000]
09344 [Vmax=0.70;Dmax=0.25]
09345 *****
09346 1989:CO0035-----DtmIn-ID:HYD-----AREAh-QFEARcm-TPeakDate hh:mm-----RvM-R-C-----DWfms
09347 SAVE HYD 5.0 01PNDout 148.71 .343 1989.0728.0115 150.87 n/a .000
09348 *****
09349 remark:Total post dev flows from Site
09350 *****
09351 1989:CO0036-----DtmIn-ID:HYD-----AREAh-QFEARcm-TPeakDate hh:mm-----RvM-R-C-----DWfms
09352 ADD HYD 5.0 02185 377.91 1.379 1989.0728.0140 75.69 n/a .000
09353 + 5.0 021PNDout 148.71 .343 1989.0728.0115 150.87 n/a .000
09354 + 5.0 02186 0.00 .000 1989.0728.0115 150.87 n/a .000
09355 SUM= 5.0 02185 526.62 1.719 1989.0728.0140 96.92 n/a .000
09356 *****
09357 1989:CO0037-----DtmIn-ID:HYD-----AREAh-QFEARcm-TPeakDate hh:mm-----RvM-R-C-----DWfms
09358 ROUTE CHANNEL -> 5.0 02137 526.62 1.719 1989.0728.0140 96.92 n/a .000
09359 [RDV= 5.00 out<- 5.0 01137 526.62 1.706 1989.0728.0150 96.92 n/a .000
09360 [L/S= 308.7 / 107.035]
09361 [Vmax=.333;Dmax=.274]
09362 *****
09363 1989:CO0038-----DtmIn-ID:HYD-----AREAh-QFEARcm-TPeakDate hh:mm-----RvM-R-C-----DWfms
09364 ADD HYD 5.0 021810 526.62 1.706 1989.0728.0150 96.92 n/a .000
09365 + 5.0 02186 25.62 .176 1989.0727.22155 83.80 n/a .000
09366 + 5.0 02188 14.26 .024 1989.0727.22105 109.86 n/a .000
09367 SUM= 5.0 02181 566.50 1.881 1989.0728.0135 96.45 n/a .000
09368 *****
09369 1989:CO0039-----DtmIn-ID:HYD-----AREAh-QFEARcm-TPeakDate hh:mm-----RvM-R-C-----DWfms
09370 EROSION INDEX 5.0 01132 566.50 .019 8045.92 126.00 1.57 12 148E-6
09371 [CCE= .175]
09372 *****
09373 1989:CO0040-----DtmIn-ID:HYD-----AREAh-QFEARcm-TPeakDate hh:mm-----RvM-R-C-----DWfms
09374 SAVE HYD 5.0 01132 566.50 1.861 1989.0728.0135 96.45 n/a .000
09375 *****
09376 remark:J12- DMK Erosion Mode Mc-3
09377 *****
09378 1989:CO0041-----DtmIn-ID:HYD-----AREAh-QFEARcm-TPeakDate hh:mm-----RvM-R-C-----DWfms
09379 ROUTE CHANNEL -> 5.0 01111 566.50 1.861 1989.0728.0135 96.45 n/a .000
09380 [RDV= 5.00 out<- 5.0 01111 566.50 1.738 1989.0728.0120 96.45 n/a .000
09381 [L/S= 1025.7 / 107.035]
09382 [Vmax=.353;Dmax=.196]
09383 *****
09384 1989:CO0042-----DtmIn-ID:HYD-----AREAh-QFEARcm-TPeakDate hh:mm-----RvM-R-C-----DWfms
09385 ADD HYD 5.0 02172 109.81 .820 1989.0727.23130 98.52 n/a .000
09386 + 5.0 02173 12.05 .189 1989.0727.2145 95.59 n/a .000
09387 + 5.0 02174 79.25 .750 1989.0727.22140 95.59 183 .000
09388 SUM= 5.0 02173 201.11 1.622 1989.0727.22155 97.19 n/a .000
09389 *****
09390 1989:CO0043-----DtmIn-ID:HYD-----AREAh-QFEARcm-TPeakDate hh:mm-----RvM-R-C-----DWfms
09391 ROUTE CHANNEL -> 5.0 02113 201.11 1.622 1989.0727.22155 97.19 n/a .000
09392 [RDV= 5.00 out<- 5.0 01113 201.11 1.591 1989.0727.23110 97.18 n/a .000
09393 [L/S= 706.7 / 1167.035]
09394 [Vmax=.620;Dmax=.824]
09395 *****
09396 1989:CO0044-----DtmIn-ID:HYD-----AREAh-QFEARcm-TPeakDate hh:mm-----RvM-R-C-----DWfms
09397 ADD HYD 5.0 02174 65.89 .619 1989.0727.22150 98.52 n/a .000
09398 + 5.0 02175 171.81 .816 1989.0728.0115 86.24 n/a .000
09399 + 5.0 02176 201.11 1.590 1989.0727.23110 97.18 n/a .000
09400 SUM= 5.0 02174 438.81 2.919 1989.0727.23120 93.10 n/a .000
09401 *****
09402 1989:CO0045-----DtmIn-ID:HYD-----AREAh-QFEARcm-TPeakDate hh:mm-----RvM-R-C-----DWfms
09403 ROUTE CHANNEL -> 5.0 02114 438.81 2.919 1989.0727.23120 93.10 n/a .000
09404 [RDV= 5.00 out<- 5.0 01114 438.81 2.813 1989.0727.23145 93.10 n/a .000
09405 [L/S= 1025.7 / 1167.035]
09406 [Vmax=.607;Dmax=.830]
09407 *****
09408 1989:CO0046-----DtmIn-ID:HYD-----AREAh-QFEARcm-TPeakDate hh:mm-----RvM-R-C-----DWfms
09409 ADD HYD 5.0 02177 79.25 .750 1989.0727.22140 95.59 183 .000
09410 + 5.0 02178 68.50 .464 1989.0727.23145 98.52 n/a .000
09411 + 5.0 02179 109.81 .820 1989.0727.23130 98.52 n/a .000
09412 + 5.0 02180 111.89 .742 1989.0727.22150 80.31 n/a .000
09413 + 5.0 02181 56.50 .282 1989.0728.0115 86.24 n/a .000
09414 SUM= 5.0 02177 384.93 3.647 1989.0728.0115 96.35 n/a .000
09415 *****
09416 1989:CO0047-----DtmIn-ID:HYD-----AREAh-QFEARcm-TPeakDate hh:mm-----RvM-R-C-----DWfms
09417 ROUTE CHANNEL -> 5.0 01115 384.93 3.647 1989.0728.0115 96.35 n/a .000
09418 [RDV= 5.00 out<- 5.0 01114 384.93 3.590 1989.0728.0125 96.35 n/a .000
09419 [L/S= 556.7 / 107.035]
09420 [Vmax=.436;Dmax=.184]
09421 *****
09422 1989:CO0048-----DtmIn-ID:HYD-----AREAh-QFEARcm-TPeakDate hh:mm-----RvM-R-C-----DWfms
09423 ADD HYD 5.0 02181 111.89 .482 1989.0728.0115 80.31 n/a .000
09424 + 5.0 02184 50.96 .252 1989.0727.23105 73.94 n/a .000
09425 + 5.0 02183 321.65 1.229 1989.0728.0100 75.46 n/a .000
09426 SUM= 5.0 02181 484.50 1.987 1989.0728.0100 75.46 n/a .000
09427 *****
09428 *****
09429 *****
09430 *****
09431 *****
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09499 *****
09500 *****

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08101 R1990:CO0001-----DtmIn-ID:HYD-----AREAh-QFEARcm-TPeakDate hh:mm-----RvM-R-C-----DWfms
08102 *****
08103 [ZERO= .00 hrs on 19900101]
08104 [NETOUT= 0 (Imperial, 2-metric output)]
08105 [NETIN= 0]
08106 [NSUN= 1990]
08107 *****
08108 # SWHYMIO / INPUT DATA FILE
08109 *****
08110 # Project Name : [Tamack Richmond]
08111 # Project Number: [2001601]
08112 # Date : [2002 JULY 23]
08113 # Modelier : [JRM and OS]
08114 # Company : [JFSA Canada Inc.]
08115 # License # : [234837]
08116 *****
08117 # SUMMER CONDITIONS MODES
08118 # Model developed to simulate runoff from subcatchments under pre development conditions
08119 *****
08120 *****
08121 *****
08122 *****
08123 R1990:CO0002-----DtmIn-ID:HYD-----AREAh-QFEARcm-TPeakDate hh:mm-----RvM-R-C-----DWfms
08124 *****
08125 [Filename = YOM 1967-2016.txt]
08126 [Start_date= 1990.0101; End_date= 1990.1231]
08127 [Cm 70.0: Nm 3.00: Tpm 1.75]
08128 [IARE=24.00: SMIN= 43.07: SMAX=287.10: SR= 100]
08129 *****
08130 *****
08131 *****
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08641] [InterEventTime= 24.00]
08642] *****
08643] # T4
08644] *****
08645] R1991:CO0202-----DtmIn-ID:INHYD-----AREAhA--OPEARcMs--TpeakDate h:hm:ms---RvMm-R-C---DWfMms
08646] CONTINUOUS NASHVD 5.0 01:174 65.89 .488 1991.0410:10:30 103.03 185 .000
08647] [CN# 72.0; N# 3.00; Tpe= 1.89]
08648] [IAREC=24.00; SMINH 39.75; SMAX=264.99; SKE= 100]
08649] [InterEventTime= 24.00]
08650] *****
08651] # T5
08652] *****
08653] R1991:CO0203-----DtmIn-ID:INHYD-----AREAhA--OPEARcMs--TpeakDate h:hm:ms---RvMm-R-C---DWfMms
08654] CONTINUOUS NASHVD 5.0 01:175 171.81 .705 1991.0410:11:40 90.89 164 .000
08655] [CN# 64.0; N# 3.00; Tpe= 1.89]
08656] [IAREC=24.00; SMINH 57.05; SMAX=380.32; SKE= 100]
08657] [InterEventTime= 24.00]
08658] *****
08659] # T6
08660] *****
08661] R1991:CO0204-----DtmIn-ID:INHYD-----AREAhA--OPEARcMs--TpeakDate h:hm:ms---RvMm-R-C---DWfMms
08662] CONTINUOUS NASHVD 5.0 01:176 60.20 .334 1991.0422: 7:40 112.53 202 .000
08663] [CN# 77.0; N# 3.00; Tpe= 2.89]
08664] [IAREC=24.00; SMINH 31.15; SMAX=207.66; SKE= 100]
08665] [InterEventTime= 24.00]
08666] *****
08667] # T7
08668] *****
08669] R1991:CO0205-----DtmIn-ID:INHYD-----AREAhA--OPEARcMs--TpeakDate h:hm:ms---RvMm-R-C---DWfMms
08670] CONTINUOUS NASHVD 5.0 01:177 48.50 .167 1991.0410:11:15 103.03 185 .000
08671] [CN# 72.0; N# 3.00; Tpe= 2.63]
08672] [IAREC=24.00; SMINH 39.75; SMAX=264.99; SKE= 100]
08673] [InterEventTime= 24.00]
08674] *****
08675] R1991:CO0206-----DtmIn-ID:INHYD-----AREAhA--OPEARcMs--TpeakDate h:hm:ms---RvMm-R-C---DWfMms
08676] ROUTE CHANNEL -> 5.0 01:211 111.89 .642 1991.0410:11:25 85.41 n/a .000
08677] [RDE= 5.00 outc= 5.0 01:212 111.89 .642 1991.0410:11:40 85.41 n/a .000]
08678] [L/S= #2381 / .105 / 0.93]
08679] [Vmax= .307; Dmax= .794]
08680] *****
08681] R1991:CO0207-----DtmIn-ID:INHYD-----AREAhA--OPEARcMs--TpeakDate h:hm:ms---RvMm-R-C---DWfMms
08682] ADD HYD + 5.0 01:211 111.89 .442 1991.0410:11:40 85.41 n/a .000
08683] + 5.0 01:212 39.07 .170 1991.0410:10:25 74.10 n/a .000
08684] SUM= 5.0 01:212 270.69 .953 1991.0410:11:25 81.13 n/a .000
08685] R1991:CO0208-----DtmIn-ID:INHYD-----AREAhA--OPEARcMs--TpeakDate h:hm:ms---RvMm-R-C---DWfMms
08686] ROUTE CHANNEL -> 5.0 01:22 270.69 .953 1991.0410:11:25 81.13 n/a .000
08687] [RDE= 5.00 outc= 5.0 01:223 270.69 .953 1991.0410:11:35 81.13 n/a .000]
08688] [L/S= #15 / .221 / 0.93]
08689] [Vmax= .428; Dmax= .792]
08690] *****
08691] R1991:CO0209-----DtmIn-ID:INHYD-----AREAhA--OPEARcMs--TpeakDate h:hm:ms---RvMm-R-C---DWfMms
08692] ADD HYD + 5.0 01:282 270.69 .945 1991.0410:11:35 81.13 n/a .000
08693] + 5.0 01:283 148.71 .134 1991.0410: 9:00 160.84 n/a .000
08694] SUM= 5.0 01:23 321.65 .1152 1991.0410:11:25 80.86 n/a .000
08695] R1991:CO0301-----DtmIn-ID:INHYD-----AREAhA--OPEARcMs--TpeakDate h:hm:ms---RvMm-R-C---DWfMms
08696] ROUTE CHANNEL -> 5.0 01:223 321.65 .1100 1991.0410:11:55 80.86 n/a .000
08697] [RDE= 5.00 outc= 5.0 01:233 321.65 .1100 1991.0410:11:55 80.86 n/a .000]
08698] [L/S= #74 / .107 / 0.93]
08699] [Vmax= .297; Dmax= .263]
08700] *****
08701] R1991:CO0302-----DtmIn-ID:INHYD-----AREAhA--OPEARcMs--TpeakDate h:hm:ms---RvMm-R-C---DWfMms
08702] ADD HYD + 5.0 01:285 56.26 .264 1991.0410:10:50 82.35 n/a .000
08703] + 5.0 01:286 377.91 .132 1991.0410:11:40 81.08 n/a .000
08704] SUM= 5.0 01:23 434.17 .134 1991.0410: 9:00 160.84 n/a .000
08705] R1991:CO0303-----DtmIn-ID:INHYD-----AREAhA--OPEARcMs--TpeakDate h:hm:ms---RvMm-R-C---DWfMms
08706] ROUTE CHANNEL -> 5.0 01:224 377.91 .132 1991.0410:11:40 81.08 n/a .000
08707] [RDE= 5.00 outc= 5.0 01:235 377.91 .1300 1991.0410:12:00 81.08 n/a .000]
08708] [L/S= #64 / .157 / 0.93]
08709] [Vmax= .422; Dmax= .792]
08710] *****
08711] R1991:CO0304-----DtmIn-ID:INHYD-----AREAhA--OPEARcMs--TpeakDate h:hm:ms---RvMm-R-C---DWfMms
08712] ADD HYD + 5.0 01:287 60.46 .288 1991.0410:10:30 77.59 n/a .000
08713] + 5.0 01:288 7.62 .080 1991.0410: 9:40 89.74 n/a .000
08714] + 5.0 01:289 17.96 .110 1991.0410:10:25 85.41 n/a .000
08715] SUM= 5.0 01:23 86.04 .478 1991.0410: 9:10 75.82 n/a .000
08716] + 5.0 01:290 1.55 .023 1991.0410: 9:10 82.35 n/a .000
08717] + 5.0 01:291 60.48 .122 1991.0409: 7:00 278.33 n/a .000
08718] R1991:CO0305-----DtmIn-ID:INHYD-----AREAhA--OPEARcMs--TpeakDate h:hm:ms---RvMm-R-C---DWfMms
08719] ROUTE CHANNEL -> 5.0 01:225 148.71 .134 1991.0410: 9:00 160.84 n/a .000
08720] [RDE= 5.00 outc= 5.0 01:226 148.71 .134 1991.0410: 9:00 160.84 n/a .000]
08721] [L/S= #11 / .110 / 0.93]
08722] [Vmax= .297; Dmax= .263]
08723] *****
08724] R1991:CO0306-----DtmIn-ID:INHYD-----AREAhA--OPEARcMs--TpeakDate h:hm:ms---RvMm-R-C---DWfMms
08725] ADD HYD + 5.0 01:293 377.91 .1300 1991.0410:12:00 81.08 n/a .000
08726] + 5.0 01:294 237.81 .217 1991.0410:12:00 81.08 n/a .000
08727] + 5.0 01:295 0.00 .000 1991.0410: 0:00 .00 n/a .000
08728] SUM= 5.0 01:23 615.72 .347 1991.0410:12:00 103.60 n/a .000
08729] R1991:CO0307-----DtmIn-ID:INHYD-----AREAhA--OPEARcMs--TpeakDate h:hm:ms---RvMm-R-C---DWfMms
08730] ROUTE CHANNEL -> 5.0 01:227 626.62 .1587 1991.0410:12:00 103.60 n/a .000
08731] [RDE= 5.00 outc= 5.0 01:228 626.62 .1575 1991.0410:12:15 103.60 n/a .000]
08732] [L/S= #38 / .100 / 0.93]
08733] [Vmax= .325; Dmax= .462]
08734] *****
08735] R1991:CO0308-----DtmIn-ID:INHYD-----AREAhA--OPEARcMs--TpeakDate h:hm:ms---RvMm-R-C---DWfMms
08736] ADD HYD + 5.0 01:293 626.62 .1575 1991.0410:12:15 103.60 n/a .000
08737] + 5.0 01:294 25.62 .233 1991.0410:10:35 88.63 n/a .000
08738] + 5.0 01:295 14.26 .165 1991.0410: 9:50 114.24 n/a .000
08739] SUM= 5.0 01:212 666.50 .1708 1991.0410:11:55 103.60 n/a .000
08740] R1991:CO0309-----DtmIn-ID:INHYD-----AREAhA--OPEARcMs--TpeakDate h:hm:ms---RvMm-R-C---DWfMms
08741] ROUTE CHANNEL -> 5.0 01:212 666.50 .1708 1991.0410:11:55 103.60 n/a .000
08742] [RDE= 5.00 outc= 5.0 01:213 666.50 .1708 1991.0410:11:55 103.60 n/a .000]
08743] [L/S= #173 / .107 / 0.93]
08744] [Vmax= .582; Dmax= .743]
08745] *****
08746] R1991:CO0310-----DtmIn-ID:INHYD-----AREAhA--OPEARcMs--TpeakDate h:hm:ms---RvMm-R-C---DWfMms
08747] ADD HYD + 5.0 01:296 60.20 .334 1991.0422: 7:40 112.53 202 .000
08748] + 5.0 01:297 68.50 .167 1991.0410:11:15 103.03 n/a .000
08749] + 5.0 01:298 87.26 .288 1991.0410:10:55 109.21 n/a .000
08750] + 5.0 01:299 566.50 .1669 1991.0410:12:30 103.19 n/a .000
08751] SUM= 5.0 01:215 1181.25 .4660 1991.0410:11:35 101.85 n/a .000
08752] R1991:CO0311-----DtmIn-ID:INHYD-----AREAhA--OPEARcMs--TpeakDate h:hm:ms---RvMm-R-C---DWfMms
08753] ROUTE CHANNEL -> 5.0 01:215 1181.25 .4660 1991.0410:11:35 101.85 n/a .000
08754] [RDE= 5.00 outc= 5.0 01:214 1181.27 .4596 1991.0410:11:55 101.85 n/a .000]
08755] [L/S= #56 / .100 / 0.93]
08756] [Vmax= .575; Dmax= .752]
08757] *****
08758] R1991:CO0312-----DtmIn-ID:INHYD-----AREAhA--OPEARcMs--TpeakDate h:hm:ms---RvMm-R-C---DWfMms
08759] ADD HYD + 5.0 01:276 60.20 .334 1991.0422: 7:40 112.53 202 .000
08760] + 5.0 01:277 68.50 .167 1991.0410:11:15 103.03 n/a .000
08761] + 5.0 01:278 87.26 .288 1991.0410:10:55 109.21 n/a .000
08762] + 5.0 01:279 566.50 .1669 1991.0410:12:30 103.19 n/a .000
08763] SUM= 5.0 01:215 1181.25 .4660 1991.0410:11:35 101.85 n/a .000
08764] R1991:CO0313-----DtmIn-ID:INHYD-----AREAhA--OPEARcMs--TpeakDate h:hm:ms---RvMm-R-C---DWfMms
08765] ROUTE CHANNEL -> 5.0 01:215 1181.27 .4596 1991.0410:11:55 101.85 n/a .000
08766] [RDE= 5.00 outc= 5.0 01:214 1181.27 .4596 1991.0410:11:55 101.85 n/a .000]
08767] [L/S= #56 / .100 / 0.93]
08768] [Vmax= .409; Dmax= .352]
08769] *****
08770] R1991:CO0314-----DtmIn-ID:INHYD-----AREAhA--OPEARcMs--TpeakDate h:hm:ms---RvMm-R-C---DWfMms
08771] ADD HYD + 5.0 01:289 120.51 .4664 1991.0410:11:50 101.90 n/a .000
08772] + 5.0 01:290 181.27 .4669 1991.0410:11:55 101.85 n/a .000
08773] SUM= 5.0 01:289 301.78 .9333 1991.0410:11:50 101.85 n/a .000
08774] R1991:CO0315-----DtmIn-ID:INHYD-----AREAhA--OPEARcMs--TpeakDate h:hm:ms---RvMm-R-C---DWfMms
08775] ROUTE CHANNEL -> 5.0 01:289 301.78 .9333 1991.0410:11:50 101.85 n/a .000
08776] [RDE= 5.00 outc= 5.0 01:290 301.78 .9333 1991.0410:11:50 101.85 n/a .000]
08777] [L/S= #192 / .107 / 0.93]
08778] [Vmax= .582; Dmax= .743]
08779] *****
08780] R1991:CO0316-----DtmIn-ID:INHYD-----AREAhA--OPEARcMs--TpeakDate h:hm:ms---RvMm-R-C---DWfMms
08781] ADD HYD + 5.0 01:292 120.51 .4664 1991.0410:11:50 101.90 n/a .000
08782] + 5.0 01:293 181.27 .4669 1991.0410:11:55 101.85 n/a .000
08783] SUM= 5.0 01:292 301.78 .9333 1991.0410:11:50 101.85 n/a .000
08784] R1991:CO0317-----DtmIn-ID:INHYD-----AREAhA--OPEARcMs--TpeakDate h:hm:ms---RvMm-R-C---DWfMms
08785] ROUTE CHANNEL -> 5.0 01:292 301.78 .9333 1991.0410:11:50 101.85 n/a .000
08786] [RDE= 5.00 outc= 5.0 01:293 301.78 .9333 1991.0410:11:50 101.85 n/a .000]
08787] [L/S= #192 / .107 / 0.93]
08788] [Vmax= .582; Dmax= .743]
08789] *****
08790] R1991:CO0318-----DtmIn-ID:INHYD-----AREAhA--OPEARcMs--TpeakDate h:hm:ms---RvMm-R-C---DWfMms
08791] ADD HYD + 5.0 01:294 120.51 .4664 1991.0410:11:50 101.90 n/a .000
08792] + 5.0 01:295 181.27 .4669 1991.0410:11:55 101.85 n/a .000
08793] SUM= 5.0 01:294 301.78 .9333 1991.0410:11:50 101.85 n/a .000
08794] R1991:CO0319-----DtmIn-ID:INHYD-----AREAhA--OPEARcMs--TpeakDate h:hm:ms---RvMm-R-C---DWfMms
08795] ROUTE CHANNEL -> 5.0 01:294 301.78 .9333 1991.0410:11:50 101.85 n/a .000
08796] [RDE= 5.00 outc= 5.0 01:295 301.78 .9333 1991.0410:11:50 101.85 n/a .000]
08797] [L/S= #192 / .107 / 0.93]
08798] [Vmax= .582; Dmax= .743]
08799] *****
08800] R1991:CO0320-----DtmIn-ID:INHYD-----AREAhA--OPEARcMs--TpeakDate h:hm:ms---RvMm-R-C---DWfMms
08801] ADD HYD + 5.0 01:296 120.51 .4664 1991.0410:11:50 101.90 n/a .000
08802] + 5.0 01:297 181.27 .4669 1991.0410:11:55 101.85 n/a .000
08803] SUM= 5.0 01:296 301.78 .9333 1991.0410:11:50 101.85 n/a .000
08804] R1991:CO0321-----DtmIn-ID:INHYD-----AREAhA--OPEARcMs--TpeakDate h:hm:ms---RvMm-R-C---DWfMms
08805] ROUTE CHANNEL -> 5.0 01:296 301.78 .9333 1991.0410:11:50 101.85 n/a .000
08806] [RDE= 5.00 outc= 5.0 01:297 301.78 .9333 1991.0410:11:50 101.85 n/a .000]
08807] [L/S= #192 / .107 / 0.93]
08808] [Vmax= .582; Dmax= .743]
08809] *****
08810] R1991:CO0322-----DtmIn-ID:INHYD-----AREAhA--OPEARcMs--TpeakDate h:hm:ms---RvMm-R-C---DWfMms
08811] ADD HYD + 5.0 01:298 120.51 .4664 1991.0410:11:50 101.90 n/a .000
08812] + 5.0 01:299 181.27 .4669 1991.0410:11:55 101.85 n/a .000
08813] SUM= 5.0 01:298 301.78 .9333 1991.0410:11:50 101.85 n/a .000
08814] R1991:CO0323-----DtmIn-ID:INHYD-----AREAhA--OPEARcMs--TpeakDate h:hm:ms---RvMm-R-C---DWfMms
08815] ROUTE CHANNEL -> 5.0 01:298 301.78 .9333 1991.0410:11:50 101.85 n/a .000
08816] [RDE= 5.00 outc= 5.0 01:299 301.78 .9333 1991.0410:11:50 101.85 n/a .000]
08817] [L/S= #192 / .107 / 0.93]
08818] [Vmax= .582; Dmax= .743]
08819] *****
08820] R1991:CO0324-----DtmIn-ID:INHYD-----AREAhA--OPEARcMs--TpeakDate h:hm:ms---RvMm-R-C---DWfMms
08821] ADD HYD + 5.0 01:299 120.51 .4664 1991.0410:11:50 101.90 n/a .000
08822] + 5.0 01:300 181.27 .4669 1991.0410:11:55 101.85 n/a .000
08823] SUM= 5.0 01:299 301.78 .9333 1991.0410:11:50 101.85 n/a .000
08824] R1991:CO0325-----DtmIn-ID:INHYD-----AREAhA--OPEARcMs--TpeakDate h:hm:ms---RvMm-R-C---DWfMms
08825] ROUTE CHANNEL -> 5.0 01:299 301.78 .9333 1991.0410:11:50 101.85 n/a .000
08826] [RDE= 5.00 outc= 5.0 01:300 301.78 .9333 1991.0410:11:50 101.85 n/a .000]
08827] [L/S= #192 / .107 / 0.93]
08828] [Vmax= .582; Dmax= .743]
08829] *****
08830] R1991:CO0326-----DtmIn-ID:INHYD-----AREAhA--OPEARcMs--TpeakDate h:hm:ms---RvMm-R-C---DWfMms
08831] ADD HYD + 5.0 01:301 120.51 .4664 1991.0410:11:50 101.90 n/a .000
08832] + 5.0 01:302 181.27 .4669 1991.0410:11:55 101.85 n/a .000
08833] SUM= 5.0 01:301 301.78 .9333 1991.0410:11:50 101.85 n/a .000
08834] R1991:CO0327-----DtmIn-ID:INHYD-----AREAhA--OPEARcMs--TpeakDate h:hm:ms---RvMm-R-C---DWfMms
08835] ROUTE CHANNEL -> 5.0 01:301 301.78 .9333 1991.0410:11:50 101.85 n/a .000
08836] [RDE= 5.00 outc= 5.0 01:302 301.78 .9333 1991.0410:11:50 101.85 n/a .000]
08837] [L/S= #192 / .107 / 0.93]
08838] [Vmax= .582; Dmax= .743]
08839] *****
08840] R1991:CO0328-----DtmIn-ID:INHYD-----AREAhA--OPEARcMs--TpeakDate h:hm:ms---RvMm-R-C---DWfMms
08841] ADD HYD + 5.0 01:303 120.51 .4664 1991.0410:11:50 101.90 n/a .000
08842] + 5.0 01:304 181.27 .4669 1991.0410:11:55 101.85 n/a .000
08843] SUM= 5.0 01:303 301.78 .9333 1991.0410:11:50 101.85 n/a .000
08844] R1991:CO0329-----DtmIn-ID:INHYD-----AREAhA--OPEARcMs--TpeakDate h:hm:ms---RvMm-R-C---DWfMms
08845] ROUTE CHANNEL -> 5.0 01:303 301.78 .9333 1991.0410:11:50 101.85 n/a .000
08846] [RDE= 5.00 outc= 5.0 01:304 301.78 .9333 1991.0410:11:50 101.85 n/a .000]
08847] [L/S= #192 / .107 / 0.93]
08848] [Vmax= .582; Dmax= .743]
08849] *****
08850] R1991:CO0330-----DtmIn-ID:INHYD-----AREAhA--OPEARcMs--TpeakDate h:hm:ms---RvMm-R-C---DWfMms
08851] ADD HYD + 5.0 01:305 120.51 .4664 1991.0410:11:50 101.90 n/a .000
08852] + 5.0 01:306 181.27 .4669 1991.0410:11:55 101.85 n/a .000
08853] SUM= 5.0 01:305 301.78 .9333 1991.0410:11:50 101.85 n/a .000
08854] R1991:CO0331-----DtmIn-ID:INHYD-----AREAhA--OPEARcMs--TpeakDate h:hm:ms---RvMm-R-C---DWfMms
08855] ROUTE CHANNEL -> 5.0 01:305 301.78 .9333 1991.0410:11:50 101.85 n/a .000
08856] [RDE= 5.00 outc= 5.0 01:306 301.78 .9333 1991.0410:11:50 101.85 n/a .000]
08857] [L/S= #192 / .107 / 0.93]
08858] [Vmax= .582; Dmax= .743]
08859] *****
08860] R1991:CO0332-----DtmIn-ID:INHYD-----AREAhA--OPEARcMs--TpeakDate h:hm:ms---RvMm-R-C---DWfMms
08861] ADD HYD + 5.0 01:307 120.51 .4664 1991.0410:11:50 101.90 n/a .000
08862] + 5.0 01:308 181.27 .4669 1991.0410:11:55 101.85 n/a .000
08863] SUM= 5.0 01:307 301.78 .9333 1991.0410:11:50 101.85 n/a .000
08864] R1991:CO0333-----DtmIn-ID:INHYD-----AREAhA--OPEARcMs--TpeakDate h:hm:ms---RvMm-R-C---DWfMms
08865] ROUTE CHANNEL -> 5.0 01:307 301.78 .9333 1991.0410:11:50 101.85 n/a .000
08866] [RDE= 5.00 outc= 5.0 01:308 301.78 .9333 1991.0410:11:50 101.85 n/a .000]
08867] [L/S= #192 / .107 / 0.93]
08868] [Vmax= .582; Dmax= .743]
08869] *****
08870] R1991:CO0334-----DtmIn-ID:INHYD-----AREAhA--OPEARcMs--TpeakDate h:hm:ms---RvMm-R-C---DWfMms
08871] ADD HYD + 5.0 01:309 120.51 .4664 1991.0410:11:50 101.90 n/a .000
08872] + 5.0 01:310 181.27 .4669 1991.0410:11:55 101.85 n/a .000
08873] SUM= 5.0 01:309 301.78 .9333 1991.0410:11:50 101.85 n/a .000
08874] R1991:CO0335-----DtmIn-ID:INHYD-----AREAhA--OPEARcMs--TpeakDate h:hm:ms---RvMm-R-C---DWfMms
08875] ROUTE CHANNEL -> 5.0 01:309 301.78 .9333 1991.0410:11:50 101.85 n/a .000
08876] [RDE= 5.00 outc= 5.0 01:310 301.78 .9333 1991.0410:11:50 101.85 n/a .000]
08877] [L/S= #192 / .107 / 0.93]
08878] [Vmax= .582; Dmax= .743]
08879] *****
08880] R1991:CO0336-----DtmIn-ID:INHYD-----AREAhA--OPEARcMs--TpeakDate h:hm:ms---RvMm-R-C---DWfMms
08881] ADD HYD + 5.0 01:311 120.51 .4664 1991.0410:11:50 101.90 n/a .000
08882] + 5.0 01:312 181.27 .4669 1991.0410:11:55 101.85 n/a .000
08883] SUM= 5.0 01:311 301.78 .9333 1991.0410:11:50 101.85 n/a .000
08884] R1991:CO0337-----DtmIn-ID:INHYD-----AREAhA--OPEARcMs--TpeakDate h:hm:ms---RvMm-R-C---DWfMms
08885] ROUTE CHANNEL -> 5.0 01:311 301.78 .9333 1991.0410:11:50 101.85 n/a .000
08886] [RDE= 5.00 outc= 5.0 01:312 301.78 .9333 1991.0410:11:50 101.85 n/a .000]
08887] [L/S= #192 / .107 / 0.93]
08888] [Vmax= .582; Dmax= .743]
08889] *****
08890] R1991:CO0338-----DtmIn-ID:INHYD-----AREAhA--OPEARcMs--TpeakDate h:hm:ms---RvMm-R-C---DWfMms
08891] ADD HYD + 5.0 01:313 120.51 .4664 1991.0410:11:50 101.90 n/a .000
08892] + 5.0 01:314 181.27 .4669 1991.0410:11:55 101.85 n/a .000
08893] SUM= 5.0 01:313 301.78 .9333 1991.0410:11:50 101.85 n/a .000
08894] R1991:CO0339-----DtmIn-ID:INHYD-----AREAhA--OPEARcMs--TpeakDate h:hm:ms---RvMm-R-C---DWfMms
08895] ROUTE CHANNEL -> 5.0 01:313 301.78 .9333 1991.0410:11:50 101.85 n/a .000
08896] [RDE= 5.00 outc= 5.0 01:314 301.78 .9333 1991.0410:11:50 101.85 n/a .000]
08897] [L/S= #192 / .107 / 0.93]
08898] [Vmax= .582; Dmax= .743]
08899] *****
08900] R1991:CO0340-----DtmIn-ID:INHYD-----AREAhA--OPEARcMs--TpeakDate h:hm:ms---RvMm-R-C---DWfMms
08901]

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09361 [Cm 77.0; N= 3.00; T= 2.98]
09362 [IARC=24.0; SMH= 99.7; SMAX=207.66; SR= 100]
09363 [InterEventTime= 24.00]
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09365 # T
09366 *****
09367 R1993:CO0025-----DtmIn-ID:INVD-----AREAhA-QPEARCs=PeakDate hh:mm-----RvM=R.C-----DMFms
09368 CONTINUOUS NASHYD 5.0 01:27 68.50 .507 1993.1128.1440 142.47 198 .000
09369 [Cm 77.0; N= 3.00; T= 2.63]
09370 [IARC=24.0; SMH= 99.7; SMAX=244.99; SR= 100]
09371 [InterEventTime= 24.00]
09372 *****
09373 R1993:CO0026-----DtmIn-ID:INVD-----AREAhA-QPEARCs=PeakDate hh:mm-----RvM=R.C-----DMFms
09374 ROUTE CHANNEL -> 5.0 02:01 111.89 .735 1993.1128.1350 116.96 n/a .000
09375 [RDT= 5.00] out< 5.0 01:28 111.89 .656 1993.1128.1520 116.96 n/a .000
09376 [L/S= 2381. / .100 / .035]
09377 [Vmax= .492; Dmax= .194]
09378 R1993:CO0027-----DtmIn-ID:INVD-----AREAhA-QPEARCs=PeakDate hh:mm-----RvM=R.C-----DMFms
09379 ADD HYD 5.0 02:01 111.89 .626 1993.1128.1520 116.96 n/a .000
09380 [Cm 77.0; N= 3.00; T= 2.63]
09381 [IARC=24.0; SMH= 99.7; SMAX=244.99; SR= 100]
09382 [InterEventTime= 24.00]
09383 R1993:CO0028-----DtmIn-ID:INVD-----AREAhA-QPEARCs=PeakDate hh:mm-----RvM=R.C-----DMFms
09384 ROUTE CHANNEL -> 5.0 02:02 270.69 1.353 1993.1128.1515 110.35 n/a .000
09385 [RDT= 5.00] out< 5.0 01:28 270.69 1.352 1993.1128.1520 110.35 n/a .000
09386 [L/S= 471. / .221 / .035]
09387 [Vmax= .492; Dmax= .194]
09388 R1993:CO0029-----DtmIn-ID:INVD-----AREAhA-QPEARCs=PeakDate hh:mm-----RvM=R.C-----DMFms
09389 ADD HYD 5.0 02:03 270.69 1.352 1993.1128.1525 110.35 n/a .000
09390 [Cm 77.0; N= 3.00; T= 2.63]
09391 [IARC=24.0; SMH= 99.7; SMAX=244.99; SR= 100]
09392 [InterEventTime= 24.00]
09393 R1993:CO0030-----DtmIn-ID:INVD-----AREAhA-QPEARCs=PeakDate hh:mm-----RvM=R.C-----DMFms
09394 ROUTE CHANNEL -> 5.0 02:23 321.65 1.611 1993.1128.1505 109.94 n/a .000
09395 [RDT= 5.00] out< 5.0 01:28 321.65 1.594 1993.1128.1540 109.94 n/a .000
09396 [L/S= 784. / .100 / .035]
09397 [Vmax= .329; Dmax= .199]
09398 R1993:CO0031-----DtmIn-ID:INVD-----AREAhA-QPEARCs=PeakDate hh:mm-----RvM=R.C-----DMFms
09399 ADD HYD 5.0 02:03 321.65 1.594 1993.1128.1540 109.94 n/a .000
09400 [Cm 77.0; N= 3.00; T= 2.63]
09401 [IARC=24.0; SMH= 99.7; SMAX=244.99; SR= 100]
09402 [InterEventTime= 24.00]
09403 R1993:CO0032-----DtmIn-ID:INVD-----AREAhA-QPEARCs=PeakDate hh:mm-----RvM=R.C-----DMFms
09404 ROUTE CHANNEL -> 5.0 01:28 377.91 1.897 1993.1128.1525 110.29 n/a .000
09405 [RDT= 5.00] out< 5.0 01:28 377.91 1.889 1993.1128.1540 110.29 n/a .000
09406 [L/S= 664. / .157 / .035]
09407 [Vmax= .472; Dmax= .199]
09408 R1993:CO0033-----DtmIn-ID:INVD-----AREAhA-QPEARCs=PeakDate hh:mm-----RvM=R.C-----DMFms
09409 ADD HYD 5.0 02:03 377.91 1.889 1993.1128.1540 110.29 n/a .000
09410 [Cm 77.0; N= 3.00; T= 2.63]
09411 [IARC=24.0; SMH= 99.7; SMAX=244.99; SR= 100]
09412 [InterEventTime= 24.00]
09413 R1993:CO0034-----DtmIn-ID:INVD-----AREAhA-QPEARCs=PeakDate hh:mm-----RvM=R.C-----DMFms
09414 ROUTE RESERVOIR -> 5.0 01:28 487.71 2.424 1993.1128.1540 214.24 n/a .000
09415 [RDT= 5.00] out< 5.0 01:28 487.71 2.424 1993.1128.1540 214.24 n/a .000
09416 [L/S= 1182. / .100 / .035]
09417 [Vmax= .384; Dmax= .199]
09418 R1993:CO0035-----DtmIn-ID:INVD-----AREAhA-QPEARCs=PeakDate hh:mm-----RvM=R.C-----DMFms
09419 ADD HYD 5.0 02:03 526.62 2.508 1993.1128.1540 139.64 n/a .000
09420 [Cm 77.0; N= 3.00; T= 2.63]
09421 [IARC=24.0; SMH= 99.7; SMAX=244.99; SR= 100]
09422 [InterEventTime= 24.00]
09423 R1993:CO0036-----DtmIn-ID:INVD-----AREAhA-QPEARCs=PeakDate hh:mm-----RvM=R.C-----DMFms
09424 ROUTE CHANNEL -> 5.0 02:03 526.62 2.508 1993.1128.1540 139.64 n/a .000
09425 [RDT= 5.00] out< 5.0 02:03 526.62 2.508 1993.1128.1540 139.64 n/a .000
09426 [L/S= 308. / .100 / .035]
09427 [Vmax= .384; Dmax= .199]
09428 R1993:CO0037-----DtmIn-ID:INVD-----AREAhA-QPEARCs=PeakDate hh:mm-----RvM=R.C-----DMFms
09429 ROUTE CHANNEL -> 5.0 02:07 526.62 2.508 1993.1128.1540 139.64 n/a .000
09430 [RDT= 5.00] out< 5.0 02:03 526.62 2.508 1993.1128.1540 139.64 n/a .000
09431 [L/S= 308. / .100 / .035]
09432 [Vmax= .384; Dmax= .199]
09433 R1993:CO0038-----DtmIn-ID:INVD-----AREAhA-QPEARCs=PeakDate hh:mm-----RvM=R.C-----DMFms
09434 ADD HYD 5.0 02:08 526.62 2.508 1993.1128.1550 139.64 n/a .000
09435 [Cm 77.0; N= 3.00; T= 2.63]
09436 [IARC=24.0; SMH= 99.7; SMAX=244.99; SR= 100]
09437 [InterEventTime= 24.00]
09438 R1993:CO0039-----DtmIn-ID:INVD-----AREAhA-QPEARCs=PeakDate hh:mm-----RvM=R.C-----DMFms
09439 ROUTE CHANNEL -> 5.0 01:12 566.50 .025 8762.83 227.33 2.59 16 .237E+06
09440 [Cm 77.0; N= 3.00; T= 2.63]
09441 [IARC=24.0; SMH= 99.7; SMAX=244.99; SR= 100]
09442 [InterEventTime= 24.00]
09443 R1993:CO0040-----DtmIn-ID:INVD-----AREAhA-QPEARCs=PeakDate hh:mm-----RvM=R.C-----DMFms
09444 ADD HYD 5.0 01:12 566.50 2.742 1993.1128.1540 139.30 n/a .000
09445 [Cm 77.0; N= 3.00; T= 2.63]
09446 [IARC=24.0; SMH= 99.7; SMAX=244.99; SR= 100]
09447 [InterEventTime= 24.00]
09448 R1993:CO0041-----DtmIn-ID:INVD-----AREAhA-QPEARCs=PeakDate hh:mm-----RvM=R.C-----DMFms
09449 ROUTE CHANNEL -> 5.0 01:12 566.50 2.742 1993.1128.1540 139.30 n/a .000
09450 [RDT= 5.00] out< 5.0 01:12 566.50 2.094 1993.1101.0000 .00 n/a .000
09451 [L/S= 1182. / .100 / .035]
09452 [Vmax= .395; Dmax= .456]
09453 R1993:CO0042-----DtmIn-ID:INVD-----AREAhA-QPEARCs=PeakDate hh:mm-----RvM=R.C-----DMFms
09454 ADD HYD 5.0 02:21 79.25 .656 1993.1128.1345 148.47 n/a .000
09455 [Cm 77.0; N= 3.00; T= 2.63]
09456 [IARC=24.0; SMH= 99.7; SMAX=244.99; SR= 100]
09457 [InterEventTime= 24.00]
09458 R1993:CO0043-----DtmIn-ID:INVD-----AREAhA-QPEARCs=PeakDate hh:mm-----RvM=R.C-----DMFms
09459 ROUTE CHANNEL -> 5.0 01:23 201.11 1.584 1993.1128.1350 140.62 n/a .000
09460 [RDT= 5.00] out< 5.0 01:23 201.11 1.584 1993.1128.1405 140.62 n/a .000
09461 [L/S= 706. / .116 / .035]
09462 [Vmax= .616; Dmax= .456]
09463 R1993:CO0044-----DtmIn-ID:INVD-----AREAhA-QPEARCs=PeakDate hh:mm-----RvM=R.C-----DMFms
09464 ADD HYD 5.0 02:24 65.89 .550 1993.1128.1350 142.47 n/a .000
09465 [Cm 77.0; N= 3.00; T= 2.63]
09466 [IARC=24.0; SMH= 99.7; SMAX=244.99; SR= 100]
09467 [InterEventTime= 24.00]
09468 R1993:CO0045-----DtmIn-ID:INVD-----AREAhA-QPEARCs=PeakDate hh:mm-----RvM=R.C-----DMFms
09469 ROUTE CHANNEL -> 5.0 01:24 438.81 3.104 1993.1128.1415 134.92 n/a .000
09470 [RDT= 5.00] out< 5.0 01:24 438.81 3.104 1993.1128.1440 134.92 n/a .000
09471 [L/S= 1015. / .100 / .035]
09472 [Vmax= .617; Dmax= .456]
09473 R1993:CO0046-----DtmIn-ID:INVD-----AREAhA-QPEARCs=PeakDate hh:mm-----RvM=R.C-----DMFms
09474 ADD HYD 5.0 02:26 60.20 .466 1993.1128.1500 155.77 n/a .000
09475 [Cm 77.0; N= 3.00; T= 2.63]
09476 [IARC=24.0; SMH= 99.7; SMAX=244.99; SR= 100]
09477 [InterEventTime= 24.00]
09478 R1993:CO0047-----DtmIn-ID:INVD-----AREAhA-QPEARCs=PeakDate hh:mm-----RvM=R.C-----DMFms
09479 ROUTE CHANNEL -> 5.0 01:25 1181.27 6.967 1993.1128.1515 139.17 n/a .000
09480 [RDT= 5.00] out< 5.0 01:24 1181.27 6.948 1993.1128.1525 139.17 n/a .000
09481 [L/S= 236. / .100 / .035]
09482 [Vmax= .478; Dmax= .440]
09483 R1993:CO0048-----DtmIn-ID:INVD-----AREAhA-QPEARCs=PeakDate hh:mm-----RvM=R.C-----DMFms
09484 ADD HYD 5.0 02:09 24.24 .232 1993.1128.1325 144.57 n/a .000
09485 [Cm 77.0; N= 3.00; T= 2.63]
09486 [IARC=24.0; SMH= 99.7; SMAX=244.99; SR= 100]
09487 [InterEventTime= 24.00]
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097211 # *****
097212 R1994C00026-----DtmIn-ID:INHYD-----AREAhA-OPeARcAm-TpaeDate hHim-----RvM-R-C-----DmFms
ROUTE CHANNEL -> 5.0 0:21:31 111.89 .434 1994.0627.1810 113.26 n/a .000
[RD7= 5.00] out<- 5.0 0:18:11 111.89 .434 1994.0627.1920 113.26 n/a .000
[1/8= 181.7 / 105.93]
09726 # *****
09727 R1994C00027-----DtmIn-ID:INHYD-----AREAhA-OPeARcAm-TpaeDate hHim-----RvM-R-C-----DmFms
ADD HYD + 5.0 0:21:31 111.89 .434 1994.0627.1920 113.26 n/a .000
+ 5.0 0:21:32 119.73 .374 1994.0627.1930 107.18 n/a .000
+ 5.0 0:21:33 39.07 .147 1994.0627.1910 108.90 n/a .000
SUM= 5.0 0:12:32 270.69 .926 1994.0627.1910 108.90 n/a .000
09731 R1994C00028-----DtmIn-ID:INHYD-----AREAhA-OPeARcAm-TpaeDate hHim-----RvM-R-C-----DmFms
ROUTE CHANNEL -> 5.0 0:21:32 270.69 .926 1994.0627.1910 108.90 n/a .000
[RD7= 5.00] out<- 5.0 0:18:12 270.69 .926 1994.0627.1925 108.90 n/a .000
[1/8= 471.7 / 221.87]
09736 # *****
09737 R1994C00029-----DtmIn-ID:INHYD-----AREAhA-OPeARcAm-TpaeDate hHim-----RvM-R-C-----DmFms
ADD HYD + 5.0 0:21:32 270.69 .926 1994.0627.1925 108.90 n/a .000
+ 5.0 0:21:34 50.96 .218 1994.0627.1825 107.18 n/a .000
SUM= 5.0 0:11:33 321.65 1.144 1994.0627.1910 108.63 n/a .000
09741 R1994C00030-----DtmIn-ID:INHYD-----AREAhA-OPeARcAm-TpaeDate hHim-----RvM-R-C-----DmFms
ROUTE CHANNEL -> 5.0 0:21:32 270.69 .926 1994.0627.1910 108.90 n/a .000
[RD7= 5.00] out<- 5.0 0:18:13 321.65 1.144 1994.0627.1910 108.63 n/a .000
[1/8= 734.7 / 107.035]
09746 # *****
09747 R1994C00031-----DtmIn-ID:INHYD-----AREAhA-OPeARcAm-TpaeDate hHim-----RvM-R-C-----DmFms
ADD HYD + 5.0 0:21:35 56.26 .254 1994.0627.1830 110.12 n/a .000
+ 5.0 0:21:36 377.91 1.290 1994.0627.1925 108.85 n/a .000
SUM= 5.0 0:11:24 434.17 1.544 1994.0627.1910 110.12 n/a .000
09750 R1994C00032-----DtmIn-ID:INHYD-----AREAhA-OPeARcAm-TpaeDate hHim-----RvM-R-C-----DmFms
ROUTE CHANNEL -> 5.0 0:21:34 377.91 1.290 1994.0627.1925 108.85 n/a .000
[RD7= 5.00] out<- 5.0 0:18:15 377.91 1.267 1994.0627.1930 108.85 n/a .000
[1/8= 664.7 / 157.035]
09754 # *****
09755 R1994C00033-----DtmIn-ID:INHYD-----AREAhA-OPeARcAm-TpaeDate hHim-----RvM-R-C-----DmFms
ADD HYD + 5.0 0:21:35 60.46 .257 1994.0627.1815 105.30 n/a .000
+ 5.0 0:21:36 7.62 .060 1994.0627.1840 117.72 n/a .000
+ 5.0 0:21:37 17.96 .101 1994.0627.1805 113.26 n/a .000
+ 5.0 0:21:38 1.64 .005 1994.0625.1215 103.49 n/a .000
+ 5.0 0:21:39 1.55 .016 1994.0625.1215 110.12 n/a .000
SUM= 5.0 0:11:25 80.48 2.436 1994.0629.1900 281.37 n/a .000
09763 # *****
09764 R1994C00034-----DtmIn-ID:INHYD-----AREAhA-OPeARcAm-TpaeDate hHim-----RvM-R-C-----DmFms
ROUTE RESERVOIR -> 5.0 0:21:35D 148.71 .370 1994.0627.1900 178.54 n/a .000
[RD7= 5.00] out<- 5.0 0:18:15D 148.71 .370 1994.0627.1900 178.54 n/a .000
[1/8= 1025.5 / 105.93]
09769 # *****
09770 R1994C00035-----DtmIn-ID:INHYD-----AREAhA-OPeARcAm-TpaeDate hHim-----RvM-R-C-----DmFms
SAVE HYD + 5.0 0:21:35D 148.71 .370 1994.0627.1900 178.54 n/a .000
[RD7= 5.00] out<- 5.0 0:18:15D 148.71 .370 1994.0627.1900 178.54 n/a .000
[1/8= 1025.5 / 105.93]
09775 # *****
09776 R1994C00036-----DtmIn-ID:INHYD-----AREAhA-OPeARcAm-TpaeDate hHim-----RvM-R-C-----DmFms
ADD HYD + 5.0 0:21:35 377.91 1.267 1994.0627.1930 108.85 n/a .000
+ 5.0 0:21:36 148.71 .370 1994.0627.1900 178.54 n/a .000
SUM= 5.0 0:11:27 526.62 1.630 1994.0627.1943 128.53 n/a .000
09780 # *****
09781 R1994C00037-----DtmIn-ID:INHYD-----AREAhA-OPeARcAm-TpaeDate hHim-----RvM-R-C-----DmFms
ROUTE CHANNEL -> 5.0 0:21:37 526.62 1.630 1994.0627.1943 128.53 n/a .000
[RD7= 5.00] out<- 5.0 0:18:10 526.62 1.619 1994.0627.2000 128.53 n/a .000
[1/8= 308.7 / 105.93]
09786 # *****
09787 R1994C00038-----DtmIn-ID:INHYD-----AREAhA-OPeARcAm-TpaeDate hHim-----RvM-R-C-----DmFms
ADD HYD + 5.0 0:21:10 526.62 1.619 1994.0627.2000 128.53 n/a .000
+ 5.0 0:21:11 25.62 .148 1994.0627.1815 116.57 n/a .000
+ 5.0 0:21:12 14.26 .157 1994.0627.1715 141.63 n/a .000
SUM= 5.0 0:11:32 566.50 1.767 1994.0627.1940 128.32 n/a .000
09791 # *****
09792 R1994C00039-----DtmIn-ID:INHYD-----AREAhA-OPeARcAm-TpaeDate hHim-----RvM-R-C-----DmFms
EROSION INDEX 5.0 0:11:32 566.50 .023 8762.42 216.33 2.47 14 .227E-06
[CC= 1.175]
09797 # *****
09798 R1994C00040-----DtmIn-ID:INHYD-----AREAhA-OPeARcAm-TpaeDate hHim-----RvM-R-C-----DmFms
SAVE HYD + 5.0 0:11:32 566.50 1.767 1994.0627.1940 128.32 n/a .000
[RD7= 5.00] out<- 5.0 0:18:11 566.50 1.669 1994.0627.2020 128.32 n/a .000
[1/8= 1025.5 / 105.93]
09803 # *****
09804 R1994C00041-----DtmIn-ID:INHYD-----AREAhA-OPeARcAm-TpaeDate hHim-----RvM-R-C-----DmFms
ROUTE CHANNEL -> 5.0 0:21:12 566.50 1.669 1994.0627.2020 128.32 n/a .000
[RD7= 5.00] out<- 5.0 0:18:11 566.50 1.669 1994.0627.2020 128.32 n/a .000
[1/8= 1025.5 / 105.93]
09809 # *****
09810 R1994C00042-----DtmIn-ID:INHYD-----AREAhA-OPeARcAm-TpaeDate hHim-----RvM-R-C-----DmFms
ADD HYD + 5.0 0:21:12 109.81 .710 1994.0627.1840 130.63 n/a .000
+ 5.0 0:21:13 123.03 .219 1994.0627.1240 127.81 n/a .000
SUM= 5.0 0:11:31 201.11 1.374 1994.0627.1815 129.35 n/a .000
09815 # *****
09816 R1994C00043-----DtmIn-ID:INHYD-----AREAhA-OPeARcAm-TpaeDate hHim-----RvM-R-C-----DmFms
ROUTE CHANNEL -> 5.0 0:21:13 201.11 1.374 1994.0627.1815 129.35 n/a .000
[RD7= 5.00] out<- 5.0 0:18:12 201.11 1.353 1994.0627.1825 129.35 n/a .000
[1/8= 706.7 / 115.97]
09821 # *****
09822 R1994C00044-----DtmIn-ID:INHYD-----AREAhA-OPeARcAm-TpaeDate hHim-----RvM-R-C-----DmFms
ADD HYD + 5.0 0:21:14 60.20 .456 1994.0627.1805 130.63 n/a .000
+ 5.0 0:21:15 171.81 .737 1994.0627.1925 118.89 n/a .000
+ 5.0 0:21:16 11.33 .318 6.18 3.48 2.83 4.21 mm/hr
SUM= 5.0 0:11:34 438.81 2.529 1994.0627.1835 125.45 n/a .000
09828 # *****
09829 R1994C00045-----DtmIn-ID:INHYD-----AREAhA-OPeARcAm-TpaeDate hHim-----RvM-R-C-----DmFms
ROUTE CHANNEL -> 5.0 0:21:14 438.81 2.529 1994.0627.1835 125.45 n/a .000
[RD7= 5.00] out<- 5.0 0:18:13 438.81 2.452 1994.0627.1855 125.44 n/a .000
[1/8= 1025.5 / 105.93]
09834 # *****
09835 R1994C00046-----DtmIn-ID:INHYD-----AREAhA-OPeARcAm-TpaeDate hHim-----RvM-R-C-----DmFms
ADD HYD + 5.0 0:21:17 68.50 .408 1994.0627.1855 130.63 n/a .000
+ 5.0 0:21:18 19.26 .138 1994.0627.1840 130.63 n/a .000
+ 5.0 0:21:19 566.50 1.669 1994.0627.2020 128.32 n/a .000
SUM= 5.0 0:11:35 1181.27 4.984 1994.0627.1930 128.31 n/a .000
09842 # *****
09843 R1994C00047-----DtmIn-ID:INHYD-----AREAhA-OPeARcAm-TpaeDate hHim-----RvM-R-C-----DmFms
ROUTE CHANNEL -> 5.0 0:21:14 1181.27 4.984 1994.0627.1930 128.31 n/a .000
[RD7= 5.00] out<- 5.0 0:18:14 1181.27 4.936 1994.0627.1935 128.31 n/a .000
[1/8= 556.7 / 107.035]
09849 # *****
09850 R1994C00048-----DtmIn-ID:INHYD-----AREAhA-OPeARcAm-TpaeDate hHim-----RvM-R-C-----DmFms
ADD HYD + 5.0 0:21:19 24.24 .234 1994.0627.1720 132.08 n/a .000
+ 5.0 0:21:20 1181.27 4.936 1994.0627.1935 128.31 n/a .000
SUM= 5.0 0:11:07 1205.51 5.023 1994.0627.1930 128.38 n/a .000
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10081# R1995<C00028>-----DtmIn-ID:INHVD-----AREAhA--OPEARcM--TpeaDate hh:mm-----RvMm-R-C-----DWfMm-C
10082# ROUTE CHANNEL -> 5.0 01:22 270.69 3.370 1995.1006.1505 188.25 n/a .000
10083# [R/S= 471. / 221. / 035]
10084# (Vmax= 612.0max= 7.77)
10085#
10086# R1995<C00029>-----DtmIn-ID:INHVD-----AREAhA--OPEARcM--TpeaDate hh:mm-----RvMm-R-C-----DWfMm-C
10087# ADD HYD + 5.0 02:12 60.48 4.96 1995.1006.1300 182.82 n/a .000
10088# + 5.0 02:14 50.96 7.24 1995.1006.1405 185.58 n/a .000
10089# + 5.0 01:23 321.65 4.048 1995.1006.1455 187.82 n/a .000
10090# R1995<C00030>-----DtmIn-ID:INHVD-----AREAhA--OPEARcM--TpeaDate hh:mm-----RvMm-R-C-----DWfMm-C
10091# ROUTE CHANNEL -> 5.0 02:23 321.65 4.048 1995.1006.1455 187.82 n/a .000
10092# [R/S= 5.01 / 19.93]
10093# (L/S= 734. / 107.0 / 035)
10094# (Vmax= 454.0max= 4.87)
10095# R1995<C00031>-----DtmIn-ID:INHVD-----AREAhA--OPEARcM--TpeaDate hh:mm-----RvMm-R-C-----DWfMm-C
10096# ADD HYD + 5.0 02:18 321.65 4.000 1995.1006.1510 187.82 n/a .000
10097# + 5.0 02:12 171.96 2.07 1995.1006.1235 194.87 n/a .000
10098# + 5.0 02:14 60.48 4.96 1995.1006.1405 185.58 n/a .000
10099# + 5.0 01:24 377.91 4.785 1995.1006.1500 188.14 n/a .000
10100# R1995<C00032>-----DtmIn-ID:INHVD-----AREAhA--OPEARcM--TpeaDate hh:mm-----RvMm-R-C-----DWfMm-C
10101# ROUTE CHANNEL -> 5.0 01:18 377.91 4.759 1995.1006.1515 188.14 n/a .000
10102# [R/S= 564. / 177.035]
10103# (Vmax= 636.0max= 6.17)
10104# R1995<C00033>-----DtmIn-ID:INHVD-----AREAhA--OPEARcM--TpeaDate hh:mm-----RvMm-R-C-----DWfMm-C
10105# ADD HYD + 5.0 02:12 60.48 4.96 1995.1006.1300 182.82 n/a .000
10106# + 5.0 02:12 7.62 1.60 1995.1006.1215 201.55 n/a .000
10107# + 5.0 02:12 171.96 2.07 1995.1006.1235 194.87 n/a .000
10108# + 5.0 02:14 1.64 0.12 1995.1006.1415 180.08 n/a .000
10109# + 5.0 02:12 1.55 0.04 1995.1006.1415 189.95 n/a .000
10110# + 5.0 02:12 60.48 4.96 1995.1006.1405 185.58 n/a .000
10111# + 5.0 01:24 377.91 4.785 1995.1006.1500 188.14 n/a .000
10112# R1995<C00034>-----DtmIn-ID:INHVD-----AREAhA--OPEARcM--TpeaDate hh:mm-----RvMm-R-C-----DWfMm-C
10113# ROUTE RESERVOIR -> 5.0 01:24 148.71 2.239 1995.1006.1300 233.32 n/a .000
10114# out <= 5.0 01:24 148.71 2.239 1995.1006.1420 233.31 n/a .000
10115# overVol= 5.0 02:23 0.00 0.00 1995.0015.0000 0.00 n/a .000
10116# (MtsToSeed=2724E+01 n3, TotVol=0.0000E+00 n3, NoVols= 0, TotDwVols= 0 hrs)
10117# R1995<C00035>-----DtmIn-ID:INHVD-----AREAhA--OPEARcM--TpeaDate hh:mm-----RvMm-R-C-----DWfMm-C
10118# SAVE HYD 5.0 01:24 148.71 1.727 1995.1006.1420 233.31 n/a .000
10119# frame /FOURD:1995
10120# remark:total post dev flows From Site
10121# R1995<C00036>-----DtmIn-ID:INHVD-----AREAhA--OPEARcM--TpeaDate hh:mm-----RvMm-R-C-----DWfMm-C
10122# ADD HYD + 5.0 02:12 60.48 4.96 1995.1006.1300 182.82 n/a .000
10123# + 5.0 02:12 148.71 2.239 1995.1006.1420 233.31 n/a .000
10124# + 5.0 02:23 0.00 0.00 1995.0015.0000 0.00 n/a .000
10125# + 5.0 01:27 6.397 0.697 1995.1006.1450 201.64 n/a .000
10126# R1995<C00037>-----DtmIn-ID:INHVD-----AREAhA--OPEARcM--TpeaDate hh:mm-----RvMm-R-C-----DWfMm-C
10127# ROUTE CHANNEL -> 5.0 01:10 526.62 6.385 1995.1006.1510 200.89 n/a .000
10128# [R/S= 5.00 out<= 5.0 01:10]
10129# (Vmax= 931.0max= 8.11)
10130#
10131# R1995<C00038>-----DtmIn-ID:INHVD-----AREAhA--OPEARcM--TpeaDate hh:mm-----RvMm-R-C-----DWfMm-C
10132# ADD HYD + 5.0 02:18 526.62 6.385 1995.1006.1510 200.89 n/a .000
10133# + 5.0 02:16 25.62 4.48 1995.1006.1345 199.84 n/a .000
10134# + 5.0 02:18 14.26 3.68 1995.1006.1220 232.67 n/a .000
10135# + 5.0 02:18 566.50 7.002 1995.1006.1450 201.64 n/a .000
10136# R1995<C00039>-----DtmIn-ID:INHVD-----AREAhA--OPEARcM--TpeaDate hh:mm-----RvMm-R-C-----DWfMm-C
10137# ROUTE CHANNEL -> 5.0 01:12 566.50 6.385 1995.1006.1450 201.64 n/a .000
10138# [R/S= 5.01 out<= 5.0 01:10]
10139# (Vmax= 175.0max= 1.75)
10140#
10141# R1995<C00040>-----DtmIn-ID:INHVD-----AREAhA--OPEARcM--TpeaDate hh:mm-----RvMm-R-C-----DWfMm-C
10142# SAVE HYD 5.0 01:12 566.50 7.002 1995.1006.1450 201.64 n/a .000
10143# frame /J12:1995
10144# remark:ENR: ENR Erosion Model NC-3
10145# R1995<C00041>-----DtmIn-ID:INHVD-----AREAhA--OPEARcM--TpeaDate hh:mm-----RvMm-R-C-----DWfMm-C
10146# ROUTE CHANNEL -> 5.0 01:12 566.50 7.002 1995.1006.1450 201.64 n/a .000
10147# [R/S= 5.01 out<= 5.0 01:12]
10148# (Vmax= 1182. / 100. / 035)
10149#
10149# R1995<C00042>-----DtmIn-ID:INHVD-----AREAhA--OPEARcM--TpeaDate hh:mm-----RvMm-R-C-----DWfMm-C
10150# ADD HYD + 5.0 02:21 79.25 1.657 1995.1006.1325 215.58 n/a .000
10151# + 5.0 02:12 119.81 2.078 1995.1006.1415 219.21 n/a .000
10152# + 5.0 02:13 12.05 2.93 1995.1006.1150 215.58 n/a .000
10153# + 5.0 01:27 201.11 3.914 1995.1006.1345 217.56 n/a .000
10154# R1995<C00043>-----DtmIn-ID:INHVD-----AREAhA--OPEARcM--TpeaDate hh:mm-----RvMm-R-C-----DWfMm-C
10155# ROUTE CHANNEL -> 5.0 02:13 201.11 3.914 1995.1006.1345 217.56 n/a .000
10156# [R/S= 5.01 out<= 5.0 01:12]
10157# (Vmax= 766. / 116. / 035)
10158#
10158# R1995<C00044>-----DtmIn-ID:INHVD-----AREAhA--OPEARcM--TpeaDate hh:mm-----RvMm-R-C-----DWfMm-C
10159# ADD HYD + 5.0 02:14 65.89 1.385 1995.1006.1310 219.21 n/a .000
10160# + 5.0 02:14 171.96 2.07 1995.1006.1415 219.21 n/a .000
10161# + 5.0 02:12 201.11 3.914 1995.1006.1400 217.56 n/a .000
10162# + 5.0 02:14 438.81 7.571 1995.1006.1415 212.21 n/a .000
10163# R1995<C00045>-----DtmIn-ID:INHVD-----AREAhA--OPEARcM--TpeaDate hh:mm-----RvMm-R-C-----DWfMm-C
10164# ROUTE CHANNEL -> 5.0 02:14 438.81 7.571 1995.1006.1415 212.21 n/a .000
10165# [R/S= 5.01 out<= 5.0 01:13]
10166# (Vmax= 1015. / 100. / 035)
10167#
10168# R1995<C00046>-----DtmIn-ID:INHVD-----AREAhA--OPEARcM--TpeaDate hh:mm-----RvMm-R-C-----DWfMm-C
10169# ADD HYD + 5.0 02:12 60.20 1.092 1995.1006.1445 230.48 n/a .000
10170# + 5.0 02:12 68.50 1.20 1995.1006.1415 219.21 n/a .000
10171# + 5.0 02:17 47.26 3.49 1995.1006.1150 226.74 n/a .000
10172# + 5.0 02:18 166.50 6.011 1995.1006.1445 230.48 n/a .000
10173# + 5.0 02:13 438.81 7.340 1995.1006.1445 212.21 n/a .000
10174# + 5.0 01:15 1181.27 17.214 1995.1006.1500 209.07 n/a .000
10175# R1995<C00047>-----DtmIn-ID:INHVD-----AREAhA--OPEARcM--TpeaDate hh:mm-----RvMm-R-C-----DWfMm-C
10176# ROUTE CHANNEL -> 5.0 02:15 1181.27 17.214 1995.1006.1500 209.07 n/a .000
10177# [R/S= 5.01 out<= 5.0 01:21]
10178# (L/S= 556. / 100. / 035)
10179#
10180# R1995<C00048>-----DtmIn-ID:INHVD-----AREAhA--OPEARcM--TpeaDate hh:mm-----RvMm-R-C-----DWfMm-C
10181# ADD HYD + 5.0 02:19 24.24 5.81 1995.1006.1225 211.05 n/a .000
10182# + 5.0 02:14 1181.27 17.036 1995.1006.1525 209.07 n/a .000
10183# + 5.0 01:07 1205.51 17.348 1995.1006.1515 209.31 n/a .000
10184# #####
10185# #####
10186# ** END OF RUN : 1995
10187# #####
10188# #####
10189# #####
10190# #####
10191# #####
10192# #####
10193# #####
10194# #####
10195# #####
10196# #####
10197# #####
10198# #####
10199# #####
10200# #####
10201# #####
10202# #####
10203# #####
10204# # Project Name : [Tamarrack Richmond]
10205# # Project Number : [P200]
10206# # Date : [2025 JULY 23]
10207# # Modeler : [JFSaInc]
10208# # Company : [JFSa Canada Inc.]
10209# # License #: [2549237]
10210# #####
10211# # SUMMER CONDITIONS MODEL
10212# # Model developed to simulate runoff from subcatchments under pre development conditions
10213# #####
10214# # Ottawa International Airport - 19 July 1967 to 01 Nov 2016
10215# R1996<C00020>-----DtmIn-ID:INHVD-----AREAhA--OPEARcM--TpeaDate hh:mm-----RvMm-R-C-----DWfMm-C
10216# # READ AED DATA
10217# [Filename= Y06_1967-2016.txt ]
10218# [Start date= 1966.0101; End date= 1996.1230]
10219# [DTF 60,min; Length= 6552 hrs; WetRes= 3871 DryRes= 6165; PTOF= 532.20]
10220#
10221# Number of events with following interevent time
10222# 1 hr 2 hrs 3 hrs 4 hrs 5 hrs 6 hrs 7 hrs 8 hrs 9 hrs 10 hrs 11 hrs 12 hrs 13 hrs 14 hrs 15 hrs 16 hrs 17 hrs 18 hrs 19 hrs 20 hrs
10223# 18.50 13.55 9.03 5.42 2.93 1.84 1.32 1.02 .70 mm/hr
10224# 18.50 27.10 17.50 10.40 44.10 47.50 49.00 50.30 n/a
10225# 19960731 19960731 19960731 19960801 19960801 19960801 19960801 19960801 19960801 19960801 19960801 19960801 19960801 19960801 19960801 19960801 19960801 19960801 19960801 19960801
10226# 1 hr 2 hrs 3 hrs 4 hrs 5 hrs 6 hrs 7 hrs 8 hrs 9 hrs 10 hrs 11 hrs 12 hrs 13 hrs 14 hrs 15 hrs 16 hrs 17 hrs 18 hrs 19 hrs 20 hrs
10227# 1.92 1.04 93 71 59 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0
10228# Number of events with the following durations
10229# 1 hr 2 hrs 3 hrs 4 hrs 5 hrs 6 hrs 7 hrs 8 hrs 9 hrs 10 hrs 11 hrs 12 hrs 13 hrs 14 hrs 15 hrs 16 hrs 17 hrs 18 hrs 19 hrs 20 hrs
10230# 21 72 50 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
10231# 1996<C00023>-----DtmIn-ID:INHVD-----AREAhA--OPEARcM--TpeaDate hh:mm-----RvMm-R-C-----DWfMm-C
10232# COMPUTE AP
10233# [Arlin= 40.00; APlkdy= 8000; APlkds= 9907]
10234# [Arlmax= 47.99; APlavg= 9.08; APlmin= .00]
10235# #####
10236# #####
10237# #####
10238# #####
10239# # Pre-Development Conditions
10240# # EXT3
10241# # EXT1
10242# # EXT2
10243# # EXT3
10244# R1996<C00004>-----DtmIn-ID:INHVD-----AREAhA--OPEARcM--TpeaDate hh:mm-----RvMm-R-C-----DWfMm-C
10245# CONTINUOUS NASHVD 5.0 01:12 7.62 1.00 1996.0731.2215 95.70 187 .000
10246# [R/S= 51.00 N= 3.00; Tpe= 1.75]
10247# [IAREC=24.00; SMIN= 51.42; SMAX=396.11; SR= 100]
10248# [InterEventTime= 24.00]
10249# #####
10250# # EXT3
10251# # EXT1
10252# R1996<C00005>-----DtmIn-ID:INHVD-----AREAhA--OPEARcM--TpeaDate hh:mm-----RvMm-R-C-----DWfMm-C
10253# CONTINUOUS NASHVD 5.0 01:12 7.62 1.00 1996.0731.2215 95.70 187 .000
10254# [R/S= 51.00 N= 3.00; Tpe= .92]
10255# [IAREC=24.00; SMIN= 51.42; SMAX=396.11; SR= 100]
10256# [InterEventTime= 24.00]
10257# #####
10258# # EXT3
10259# # EXT1
10260# R1996<C00006>-----DtmIn-ID:INHVD-----AREAhA--OPEARcM--TpeaDate hh:mm-----RvMm-R-C-----DWfMm-C
10261# ROUTE CHANNEL -> 5.0 02:13 111.89 861 1996.0731.2255 90.78 n/a .000
10262# [R/S= 5.03 out<= 5.0 01:18]
10263# (L/S= 281. / 105. / 035)
10264# (Vmax= 311.0max= 4.23)
10265#
10266# R1996<C00007>-----DtmIn-ID:INHVD-----AREAhA--OPEARcM--TpeaDate hh:mm-----RvMm-R-C-----DWfMm-C
10267# ADD HYD + 5.0 02:11 111.89 861 1996.0731.2255 90.78 n/a .000
10268# + 5.0 02:11 111.89 861 1996.0731.2255 90.78 n/a .000
10269# + 5.0 02:13 39.07 2.05 1996.0731.2255 78.19 n/a .000
10270# + 5.0 02:13 270.69 3.370 1996.0731.2255 90.78 n/a .000
10271# R1996<C00008>-----DtmIn-ID:INHVD-----AREAhA--OPEARcM--TpeaDate hh:mm-----RvMm-R-C-----DWfMm-C
10272# ROUTE CHANNEL -> 5.0 02:12 270.69 3.370 1996.0731.2255 90.78 n/a .000
10273# [R/S= 5.03 out<= 5.0 02:12]
10274# (L/S= 281. / 105. / 035)
10275# (Vmax= 471.0max= 3.66)
10276#
10277# R1996<C00009>-----DtmIn-ID:INHVD-----AREAhA--OPEARcM--TpeaDate hh:mm-----RvMm-R-C-----DWfMm-C
10278# ADD HYD + 5.0 02:12 111.89 861 1996.0731.2255 90.78 n/a .000
10279# + 5.0 02:12 111.89 861 1996.0731.2255 90.78 n/a .000
10280# + 5.0 02:13 39.07 2.05 1996.0731.2255 78.19 n/a .000
10281# + 5.0 02:13 270.69 3.370 1996.0731.2255 90.78 n/a .000
10282# R1996<C00010>-----DtmIn-ID:INHVD-----AREAhA--OPEARcM--TpeaDate hh:mm-----RvMm-R-C-----DWfMm-C
10283# ROUTE CHANNEL -> 5.0 02:12 270.69 3.370 1996.0731.2255 90.78 n/a .000
10284# [R/S= 5.03 out<= 5.0 02:12]
10285# (L/S= 281. / 105. / 035)
10286# (Vmax= 471.0max= 3.66)
10287#
10288# R1996<C00011>-----DtmIn-ID:INHVD-----AREAhA--OPEARcM--TpeaDate hh:mm-----RvMm-R-C-----DWfMm-C
10289# CONTINUOUS NASHVD 5.0 01:13 39.07 2.05 1996.0731.2255 78.19 153 .000
10290# [R/S= 51.00 N= 3.00; Tpe= 1.71]
10291# [IAREC=24.00; SMIN= 51.42; SMAX=396.11; SR= 100]
10292# [InterEventTime= 24.00]
10293# #####
10294# # M2
10295# # M3
10296# # M4
10297# # M5
10298# R1996<C00012>-----DtmIn-ID:INHVD-----AREAhA--OPEARcM--TpeaDate hh:mm-----RvMm-R-C-----DWfMm-C
10299# CONTINUOUS NASHVD 5.0 01:14 50.96 7.293 1996.0731.2315 84.10 164 .000
10300# [R/S= 53.00 N= 3.00; Tpe= 1.81]
10301# [IAREC=24.00; SMIN= 51.01; SMAX=606.70; SR= 100]
10302# [InterEventTime= 24.00]
10303# #####
10304# # M6
10305# # M7
10306# # M8
10307# R1996<C00013>-----DtmIn-ID:INHVD-----AREAhA--OPEARcM--TpeaDate hh:mm-----RvMm-R-C-----DWfMm-C
10308# CONTINUOUS NASHVD 5.0 01:14 50.96 7.293 1996.0731.2315 84.10 164 .000
10309# [R/S= 53.00 N= 3.00; Tpe= 1.81]
10310# [IAREC=24.00; SMIN= 51.01; SMAX=606.70; SR= 100]
10311# [InterEventTime= 24.00]
10312# #####
10313# # M9
10314# # M10
10315# R1996<C00014>-----DtmIn-ID:INHVD-----AREAhA--OPEARcM--TpeaDate hh:mm-----RvMm-R-C-----DWfMm-C
10316# CONTINUOUS NASHVD 5.0 01:14 50.96 7.293 1996.0731.2315 84.10 164 .000
10317# [R/S= 53.00 N= 3.00; Tpe= 2.09]
10318# [IAREC=24.00; SMIN= 51.01; SMAX=606.70; SR= 100]
10319# [InterEventTime= 24.00]
10320# #####
10321# # M11
10322# # M12
10323# R1996<C00015>-----DtmIn-ID:INHVD-----AREAhA--OPEARcM--TpeaDate hh:mm-----RvMm-R-C-----DWfMm-C
10324# CONTINUOUS NASHVD 5.0 01:16 29.07 2.05 1996.0731.2315 78.19 153 .000
10325# [R/S= 53.00 N= 3.00; Tpe= 1.83]
10326# [IAREC=24.00; SMIN= 51.42; SMAX=396.11; SR= 100]
10327# [InterEventTime= 24.00]
10328# #####
10329# # M13
10330# # M14
10331# R1996<C00016>-----DtmIn-ID:INHVD-----AREAhA--OPEARcM--TpeaDate hh:mm-----RvMm-R-C-----DWfMm-C
10332# CONTINUOUS NASHVD 5.0 01:16 29.07 2.05 1996.0731.2315 78.19 153 .000
10333# [R/S= 53.00 N= 3.00; Tpe= 1.83]
10334# [IAREC=24.00; SMIN= 51.42; SMAX=396.11; SR= 100]
10335# [InterEventTime= 24.00]
10336# #####
10337# # M15
10338# # M16
10339# R1996<C00017>-----DtmIn-ID:INHVD-----AREAhA--OPEARcM--TpeaDate hh:mm-----RvMm-R-C-----DWfMm-C
10340# CONTINUOUS NASHVD 5.0 01:16 29.07 2.05 1996.0731.2315 78.19 153 .000
10341# [R/S= 53.00 N= 3.00; Tpe= 1.83]
10342# [IAREC=24.00; SMIN= 51.42; SMAX=396.11; SR= 100]
10343# [InterEventTime= 24.00]
10344# #####
10345# # M17
10346# # M18
10347# R1996<C00018>-----DtmIn-ID:INHVD-----AREAhA--OPEARcM--TpeaDate hh:mm-----RvMm-R-C-----DWfMm-C
10348# CONTINUOUS NASHVD 5.0 01:16 29.07 2.05 1996.0731.2315 78.19 153 .000
10349# [R/S= 53.00 N= 3.00; Tpe= 1.83]
10350# [IAREC=24.00; SMIN= 51.42; SMAX=396.11; SR= 100]
10351# [InterEventTime= 24.00]
10352# #####
10353# # M19
10354# # M20
10355# R1996<C00019>-----DtmIn-ID:INHVD-----AREAhA--OPEARcM--TpeaDate hh:mm-----RvMm-R-C-----DWfMm-C
10356# CONTINUOUS NASHVD 5.0 01:17 60.48 4.96 1996.0731.2315 90.78 177 .000
10357# [R/S= 53.00 N= 3.00; Tpe= 1.83]
10358# [IAREC=24.00; SMIN= 51.42; SMAX=396.11; SR= 100]
10359# [InterEventTime= 24.00]
10360# #####
10361# # M21
10362# # M22
10363# R1996<C00020>-----DtmIn-ID:INHVD-----AREAhA--OPEARcM--TpeaDate hh:mm-----RvMm-R-C-----DWfMm-C
10364# CONTINUOUS NASHVD 5.0 01:17 60.48 4.96 1996.0731.2315 90.78 177 .000
10365# [R/S= 53.00 N= 3.00; Tpe= 2.34]
10366# [IAREC=24.00; SMIN= 51.42; SMAX=396.11; SR= 100]
10367# [InterEventTime= 24.00]
10368# #####
10369# # M23
10370# # M24
10371# R1996<C00021>-----DtmIn-ID:INHVD-----AREAhA--OPEARcM--TpeaDate hh:mm-----RvMm-R-C-----DWfMm-C
10372# CONTINUOUS NASHVD 5.0 01:17 60.48 4.96 1996.0731.2315 90.78 177 .000
10373# [R/S= 53.00 N= 3.00; Tpe= 2.34]
10374# [IAREC=24.00; SMIN= 51.42; SMAX=396.11; SR= 100]
10375# [InterEventTime= 24.00]
10376# #####
10377# # M25
10378# # M26
10379# R1996<C00022>-----DtmIn-ID:INHVD-----AREAhA--OPEARcM--TpeaDate hh:mm-----RvMm-R-C-----DWfMm-C
10380# CONTINUOUS NASHVD 5.0 01:17 60.48 4.96 1996.0731.2315 90.78 177 .000
10381# [R/S= 53.00 N= 3.00; Tpe= 2.34]
10382# [IAREC=24.00; SMIN= 51.42; SMAX=396.11; SR= 100]
10383# [InterEventTime= 24.00]
10384# #####
10385# # M27
10386# # M28
10387# R1996<C00023>-----DtmIn-ID:INHVD-----AREAhA--OPEARcM--TpeaDate hh:mm-----RvMm-R-C-----DWfMm-C
10388# CONTINUOUS NASHVD 5.0 01:17 60.48 4.96 1996.0731.2315 90.78 177 .000
10389# [R/S= 53.00 N= 3.00; Tpe= 2.34]
10390# [IAREC=24.00; SMIN= 51.42; SMAX=396.11; SR= 100]
10391# [InterEventTime= 24.00]
10392# #####
10393# # M29
10394# # M30
10395# R1996<C00024>-----DtmIn-ID:INHVD-----AREAhA--OPEARcM--TpeaDate hh:mm-----RvMm-R-C-----DWfMm-C
10396# CONTINUOUS NASHVD 5.0 01:17 60.48 4.96 1996.0731.2315 90.78 177 .000
10397# [R/S= 53.00 N= 3.00; Tpe= 2.34]
10398# [IAREC=24.00; SMIN= 51.42; SMAX=396.11; SR= 100]
10399# [InterEventTime= 24.00]
10400# #####
10401# # M31
10402# # M32
10403# R1996<C00025>-----DtmIn-ID:INHVD-----AREAhA--OPEARcM--TpeaDate hh:mm-----RvMm-R-C-----DWfMm-C
10404# CONTINUOUS NASHVD 5.0 01:17 60.48 4.96 1996.0731.2315 90.78 177 .000
10405# [R/S= 53.00 N= 3.00; Tpe= 2.34]
10406# [IAREC=24.00; SMIN= 51.42; SMAX=396.11; SR= 100]
10407# [InterEventTime= 24.00]
10408# #####
10409# # M33
10410# # M34
10411# R1996<C00026>-----DtmIn-ID:INHVD-----AREAhA--OPEARcM--TpeaDate hh:mm-----RvMm-R-C-----DWfMm-C
10412# CONTINUOUS NASHVD 5.0 01:17 60.48 4.96 1996.0731.2315 90.78 177 .000
10413# [R/S= 53.00 N= 3.00; Tpe= 2.34]

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10441 * [RDF= 5.00] out<- 5.0 01:83 321.65 1.477 1996.0801 1120 85.70 n/a .000
10442 [L/S= 182 / 100 / 035]
10443 [Vmax = 322:DMAX= 300]
10444 R1996:CO031 -----DtmIn-ID:INHVD-----AREAhA-OPeARcMs-TpEakDate hHms-----RvMm-R.C-----DMFms
10445 ADD HYD + 5.0 02:83 377.91 1.477 1996.0801 1120 85.70 n/a .000
10446 + 5.0 02:85 56.26 .336 1996.0731 23:25 87.29 n/a .000
10447 SUM = 5.0 02:83 377.91 1.477 1996.0801 1120 85.70 n/a .000
10448 R1996:CO032 -----DtmIn-ID:INHVD-----AREAhA-OPeARcMs-TpEakDate hHms-----RvMm-R.C-----DMFms
10449 ROUTE CHANNEL -> 5.0 02:24 377.91 1.773 1996.0801 1120 85.94 n/a .000
10450 [RDF= 5.00] out<- 5.0 01:83 377.91 1.773 1996.0801 1120 85.94 n/a .000
10451 [L/S= 664 / 157 / 035]
10452 [Vmax = 466:DMAX= 300]
10453 R1996:CO033 -----DtmIn-ID:INHVD-----AREAhA-OPeARcMs-TpEakDate hHms-----RvMm-R.C-----DMFms
10454 ADD HYD + 5.0 02:83 377.91 1.773 1996.0801 1120 85.94 n/a .000
10455 + 5.0 02:85 56.26 .336 1996.0731 23:25 87.29 n/a .000
10456 + 5.0 02:87 17.96 .143 1996.0731 22:55 90.78 n/a .000
10457 SUM = 5.0 02:83 377.91 1.773 1996.0801 1120 85.94 n/a .000
10458 + 5.0 02:85 1.55 .023 1996.0731 21:25 87.29 n/a .000
10459 + 5.0 02:87 60.48 .189 1996.0731 21:00 263.70 n/a .000
10460 SUM = 5.0 02:83 377.91 1.773 1996.0801 1120 85.94 n/a .000
10461 R1996:CO034 -----DtmIn-ID:INHVD-----AREAhA-OPeARcMs-TpEakDate hHms-----RvMm-R.C-----DMFms
10462 ROUTE RESERVOIR -> 5.0 02:POND 148.71 .424 1996.0801 1120 157.73 n/a .000
10463 out <= 5.0 02:POND 148.71 .424 1996.0801 1120 157.73 n/a .000
10464 overflow <= 5.0 02:POND 0.00 .000 1996.0402 0:00 .00 n/a .000
10465 [MxSt=664:1628:0] 43.81 2.092 1996.0731 21:00 157.74 n/a .000
10466 R1996:CO035 -----DtmIn-ID:INHVD-----AREAhA-OPeARcMs-TpEakDate hHms-----RvMm-R.C-----DMFms
10467 SAVE HYD + 5.0 02:POND 148.71 .424 1996.0801 1120 157.73 n/a .000
10468 frame :PONDout.1996
10469 remark:Total post dev flows From Site
10470 R1996:CO036 -----DtmIn-ID:INHVD-----AREAhA-OPeARcMs-TpEakDate hHms-----RvMm-R.C-----DMFms
10471 ADD HYD + 5.0 02:83 377.91 1.773 1996.0801 1120 85.94 n/a .000
10472 + 5.0 02:POND 148.71 .424 1996.0731 21:00 157.74 n/a .000
10473 SUM = 5.0 02:POND 148.71 .424 1996.0402 0:00 .00 n/a .000
10474 + 5.0 02:83 377.91 1.773 1996.0801 1120 85.94 n/a .000
10475 R1996:CO037 -----DtmIn-ID:INHVD-----AREAhA-OPeARcMs-TpEakDate hHms-----RvMm-R.C-----DMFms
10476 ROUTE CHANNEL -> 5.0 02:27 526.62 2.177 1996.0801 1120 106.21 n/a .000
10477 [RDF= 5.00] out<- 5.0 01:83 526.62 2.177 1996.0801 1120 106.21 n/a .000
10478 [L/S= 308 / 100 / 035]
10479 [Vmax = 364:DMAX= 317]
10480 R1996:CO038 -----DtmIn-ID:INHVD-----AREAhA-OPeARcMs-TpEakDate hHms-----RvMm-R.C-----DMFms
10481 ADD HYD + 5.0 02:80 526.62 2.169 1996.0801 1120 106.21 n/a .000
10482 + 5.0 02:86 29.62 .292 1996.0731 22:10 104.44 n/a .000
10483 + 5.0 02:88 14.26 .244 1996.0731 22:20 120.86 n/a .000
10484 SUM = 5.0 02:80 526.62 2.169 1996.0801 1120 106.21 n/a .000
10485 R1996:CO039 -----DtmIn-ID:INHVD-----AREAhA-OPeARcMs-TpEakDate hHms-----RvMm-R.C-----DMFms
10486 ERDIOS INDEX 5.0 01:32 566.50 .025 6554.58 160.00 2.44 10 .199E06
10487 [CCE]
10488 R1996:CO040 -----DtmIn-ID:INHVD-----AREAhA-OPeARcMs-TpEakDate hHms-----RvMm-R.C-----DMFms
10489 SAVE HYD + 5.0 01:32 566.50 2.388 1996.0801 1115 106.05 n/a .000
10490 remark:132.1996
10491 R1996:CO041 -----DtmIn-ID:INHVD-----AREAhA-OPeARcMs-TpEakDate hHms-----RvMm-R.C-----DMFms
10492 ROUTE CHANNEL -> 5.0 02:32 566.50 2.388 1996.0801 1115 106.05 n/a .000
10493 [RDF= 5.00] out<- 5.0 01:32 566.50 2.265 1996.0801 2100 106.04 n/a .000
10494 [L/S= 182 / 100 / 035]
10495 [Vmax = 377:DMAX= 428]
10496 R1996:CO042 -----DtmIn-ID:INHVD-----AREAhA-OPeARcMs-TpEakDate hHms-----RvMm-R.C-----DMFms
10497 ADD HYD + 5.0 02:71 79.25 .855 1996.0731 22:50 106.56 n/a .000
10498 + 5.0 02:77 109.81 .930 1996.0731 23:55 109.53 n/a .000
10499 SUM = 5.0 02:71 79.25 .855 1996.0731 22:50 106.56 n/a .000
10500 R1996:CO043 -----DtmIn-ID:INHVD-----AREAhA-OPeARcMs-TpEakDate hHms-----RvMm-R.C-----DMFms
10501 ROUTE CHANNEL -> 5.0 01:33 201.11 1.844 1996.0731 23:10 108.18 n/a .000
10502 [RDF= 5.00] out<- 5.0 01:33 201.11 1.844 1996.0731 23:10 108.18 n/a .000
10503 [L/S= 706 / 116 / 035]
10504 [Vmax = 643:DMAX= 478]
10505 R1996:CO044 -----DtmIn-ID:INHVD-----AREAhA-OPeARcMs-TpEakDate hHms-----RvMm-R.C-----DMFms
10506 ADD HYD + 5.0 02:74 65.89 .701 1996.0731 22:55 109.53 n/a .000
10507 + 5.0 02:75 171.81 1.008 1996.0801 1100 96.98 n/a .000
10508 SUM = 5.0 02:74 65.89 .701 1996.0731 22:55 109.53 n/a .000
10509 R1996:CO045 -----DtmIn-ID:INHVD-----AREAhA-OPeARcMs-TpEakDate hHms-----RvMm-R.C-----DMFms
10510 ROUTE CHANNEL -> 5.0 01:34 438.81 3.326 1996.0731 23:30 104.00 n/a .000
10511 [RDF= 5.00] out<- 5.0 01:33 438.81 3.204 1996.0731 23:30 104.00 n/a .000
10512 [L/S= 103 / 100 / 035]
10513 [Vmax = 627:DMAX= 483]
10514 R1996:CO046 -----DtmIn-ID:INHVD-----AREAhA-OPeARcMs-TpEakDate hHms-----RvMm-R.C-----DMFms
10515 ADD HYD + 5.0 02:76 60.20 .495 1996.0801 0:50 119.14 n/a .000
10516 + 5.0 02:77 88.50 .541 1996.0801 0:30 109.53 n/a .000
10517 SUM = 5.0 02:76 60.20 .495 1996.0801 0:50 119.14 n/a .000
10518 + 5.0 02:81 566.50 2.265 1996.0801 2100 106.04 n/a .000
10519 + 5.0 02:82 438.81 3.226 1996.0801 0:15 104.00 n/a .000
10520 SUM = 5.0 01:35 1181.27 6.668 1996.0801 1100 106.54 n/a .000
10521 R1996:CO047 -----DtmIn-ID:INHVD-----AREAhA-OPeARcMs-TpEakDate hHms-----RvMm-R.C-----DMFms
10522 ROUTE CHANNEL -> 5.0 01:84 1181.27 6.668 1996.0801 1100 106.54 n/a .000
10523 [RDF= 5.00] out<- 5.0 01:84 1181.27 6.625 1996.0801 1110 106.54 n/a .000
10524 [L/S= 173 / 100 / 035]
10525 [Vmax = 469:DMAX= 429]
10526 R1996:CO048 -----DtmIn-ID:INHVD-----AREAhA-OPeARcMs-TpEakDate hHms-----RvMm-R.C-----DMFms
10527 ADD HYD + 5.0 02:84 1181.27 6.625 1996.0801 1110 106.54 n/a .000
10528 + 5.0 02:84 1181.27 6.625 1996.0801 1110 106.54 n/a .000
10529 SUM = 5.0 02:84 1181.27 6.625 1996.0801 1110 106.54 n/a .000
10530 R1996:CO049 -----DtmIn-ID:INHVD-----AREAhA-OPeARcMs-TpEakDate hHms-----RvMm-R.C-----DMFms
10531 START [INFO= 0]
10532 [INFO= 2] [Timestep, 2, numeric output]
10533 [INFO= 0]
10534 [INFO= 1997]
10535 *****
10536 *****
10537 *****
10538 *****
10539 *****
10540 *****
10541 *****
10542 *****
10543 RUN:COMMAND
10544 R1997:CO001 -----DtmIn-ID:INHVD-----AREAhA-OPeARcMs-TpEakDate hHms-----RvMm-R.C-----DMFms
10545 START [INFO= 0]
10546 [INFO= 2] [Timestep, 2, numeric output]
10547 [INFO= 0]
10548 [INFO= 1997]
10549 *****
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10801 [Vmax :402;Dmax :130]
10802 R1997:C00013-----DtmIn-ID:HYND-----AREAh-QPEARcs-TpeakDate hh:mm-----RvMn-R.C-----DWfMcs
10803 ADD HYD + 5.0 02:EXT1 60.46 .219 1997.0222 4:05 51.96 n/a .000
10804 [CNF 59.0; HW 3.00; Tpe 1.71]
10805 [I/S/= 17.0; /100;/035]
10806 [RDW=5.00] outc = 5.0 02:EXT4 .64 .004 1997.0222 7:10 50.61 n/a .000
10807 [I/S/= 308.7; /100;/035]
10808 + 5.0 02:SITE 60.48 1.335 1997.0622 10:00 223.00 n/a .000
10809 SUM= 5.0 01:POND 148.71 1.394 1997.0622 10:00 122.74 n/a .000
10810 R1997:C00034-----DtmIn-ID:HYND-----AREAh-QPEARcs-TpeakDate hh:mm-----RvMn-R.C-----DWfMcs
10811 ROUTE RESERVOIR > 5.0 01:POND 148.71 1.394 1997.0622 10:00 122.74 n/a .000
10812 [I/S/= 308.7; /100;/035]
10813 overFlow <= 5.0 01:POND .00 .000 1997.0101 0:00 .00 n/a .000
10814 [MktToAsea:1104e+04; M3; TotDyVoln:0000e+00; Mv; Mvov= 0; TotDyDvov= M_hrs]
10815 R1997:C00015-----DtmIn-ID:HYND-----AREAh-QPEARcs-TpeakDate hh:mm-----RvMn-R.C-----DWfMcs
10816 SAVE HYD 5.0 01:POND 148.71 .355 1997.0222 7:40 122.73 n/a .000
10817 [I/S/= 308.7; /100;/035]
10818 remark:Total post dev flows From Site
10819 R1997:C00036-----DtmIn-ID:HYND-----AREAh-QPEARcs-TpeakDate hh:mm-----RvMn-R.C-----DWfMcs
10820 Add HYD + 5.0 02:EXT2 377.91 1.454 1997.0222 8:45 73.84 n/a .000
10821 + 5.0 02:POND 148.71 1.394 1997.0222 7:40 122.73 n/a .000
10822 [I/S/= 308.7; /100;/035]
10823 SUM= 5.0 01:37 526.62 1.459 1997.0222 8:40 73.84 n/a .000
10824 R1997:C00037-----DtmIn-ID:HYND-----AREAh-QPEARcs-TpeakDate hh:mm-----RvMn-R.C-----DWfMcs
10825 ROUTE CHANNEL > 5.0 02:SITE 526.62 1.459 1997.0222 8:40 73.84 n/a .000
10826 [RDW=5.00] outc = 5.0 01:R10 526.62 1.454 1997.0222 8:50 73.84 n/a .000
10827 [I/S/= 308.7; /100;/035]
10828 [Vmax :318;Dmax :250]
10829 R1997:C00038-----DtmIn-ID:HYND-----AREAh-QPEARcs-TpeakDate hh:mm-----RvMn-R.C-----DWfMcs
10830 Add HYD + 5.0 02:SITE 25.62 .127 1997.0222 4:10 60.34 n/a .000
10831 + 5.0 02:R8 14.26 .133 1997.0222 3:00 79.60 n/a .000
10832 SUM= 5.0 01:312 566.50 1.608 1997.0222 8:20 73.37 n/a .000
10833 R1997:C00039-----DtmIn-ID:HYND-----AREAh-QVGRcs-DIrhcs-RDgrcs-ECM-1-EVNTn-ECM-VOLcum
10834 BROUIN INDEX 5.0 01:312 566.50 .014 8042.83 99.98 1.24 9 778025
10835 [CNF = 175]
10836 R1997:C00040-----DtmIn-ID:HYND-----AREAh-QPEARcs-TpeakDate hh:mm-----RvMn-R.C-----DWfMcs
10837 SAVE HYD 5.0 01:312 566.50 1.608 1997.0222 8:20 73.37 n/a .000
10838 [I/S/= 308.7; /100;/035]
10839 remark:112 OK Erosion Model MC-3
10840 R1997:C00041-----DtmIn-ID:HYND-----AREAh-QPEARcs-TpeakDate hh:mm-----RvMn-R.C-----DWfMcs
10841 [RDW=5.00] outc = 5.0 01:R11 566.50 1.583 1997.0222 8:45 73.37 n/a .000
10842 [I/S/= 1182.7; /100;/035]
10843 [Vmax :336;Dmax :260]
10844 R1997:C00042-----DtmIn-ID:HYND-----AREAh-QPEARcs-TpeakDate hh:mm-----RvMn-R.C-----DWfMcs
10845 ADD HYD + 5.0 02:SITE 65.89 .459 1997.0222 4:00 70.96 n/a .000
10846 + 5.0 02:R7 109.81 .624 1997.0222 4:30 70.96 n/a .000
10847 SUM= 5.0 01:313 201.11 1.185 1997.0222 4:20 69.98 n/a .000
10848 R1997:C00043-----DtmIn-ID:HYND-----AREAh-QVGRcs-DIrhcs-RDgrcs-ECM-1-EVNTn-ECM-VOLcum
10849 BROUIN INDEX 5.0 01:313 201.11 1.206 1997.0222 4:05 69.98 n/a .000
10850 [CNF = 175]
10851 R1997:C00044-----DtmIn-ID:HYND-----AREAh-QPEARcs-TpeakDate hh:mm-----RvMn-R.C-----DWfMcs
10852 SAVE HYD 5.0 01:312 201.11 1.185 1997.0222 4:20 69.98 n/a .000
10853 [I/S/= 706.7; /100;/035]
10854 [Vmax :336;Dmax :260]
10855 R1997:C00045-----DtmIn-ID:HYND-----AREAh-QPEARcs-TpeakDate hh:mm-----RvMn-R.C-----DWfMcs
10856 ADD HYD + 5.0 02:SITE 171.81 .657 1997.0222 5:15 62.07 n/a .000
10857 + 5.0 02:R12 201.11 1.185 1997.0222 4:20 69.98 n/a .000
10858 SUM= 5.0 01:314 438.81 2.228 1997.0222 4:25 67.03 n/a .000
10859 R1997:C00046-----DtmIn-ID:HYND-----AREAh-QVGRcs-DIrhcs-RDgrcs-ECM-1-EVNTn-ECM-VOLcum
10860 BROUIN INDEX 5.0 01:314 438.81 2.228 1997.0222 4:25 67.03 n/a .000
10861 [CNF = 175]
10862 R1997:C00047-----DtmIn-ID:HYND-----AREAh-QPEARcs-TpeakDate hh:mm-----RvMn-R.C-----DWfMcs
10863 [RDW=5.00] outc = 5.0 01:R13 438.81 2.159 1997.0222 4:50 67.03 n/a .000
10864 [I/S/= 1015.7; /100;/035]
10865 [Vmax :336;Dmax :260]
10866 R1997:C00048-----DtmIn-ID:HYND-----AREAh-QPEARcs-TpeakDate hh:mm-----RvMn-R.C-----DWfMcs
10867 ADD HYD + 5.0 02:SITE 68.50 .363 1997.0222 4:50 70.96 n/a .000
10868 + 5.0 02:R7 47.26 .298 1997.0222 4:25 75.48 n/a .000
10869 SUM= 5.0 01:314 566.50 1.483 1997.0222 4:25 73.37 n/a .000
10870 R1997:C00049-----DtmIn-ID:HYND-----AREAh-QPEARcs-TpeakDate hh:mm-----RvMn-R.C-----DWfMcs
10871 [RDW=5.00] outc = 5.0 02:R13 438.81 2.159 1997.0222 4:50 67.03 n/a .000
10872 [I/S/= 1182.7; /100;/035]
10873 R1997:C00047-----DtmIn-ID:HYND-----AREAh-QPEARcs-TpeakDate hh:mm-----RvMn-R.C-----DWfMcs
10874 ROUTE CHANNEL > 5.0 02:SITE 1181.27 4.351 1997.0222 5:15 71.22 n/a .000
10875 [RDW=5.00] outc = 5.0 01:R14 1181.27 4.306 1997.0222 5:35 71.22 n/a .000
10876 [I/S/= 556.7; /100;/035]
10877 [Vmax :399;Dmax :316]
10878 R1997:C00048-----DtmIn-ID:HYND-----AREAh-QPEARcs-TpeakDate hh:mm-----RvMn-R.C-----DWfMcs
10879 ADD HYD + 5.0 02:R9 24.24 .200 1997.0222 3:30 72.09 n/a .000
10880 + 5.0 01:R14 1181.27 4.306 1997.0222 5:35 71.22 n/a .000
10881 SUM= 5.0 01:POD 1205.51 4.384 1997.0222 5:30 71.23 n/a .000
10882 *****
10883 *** END OF RUN : 1997
10884 *****

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11612 out <= 5.0 01:FOVDout 148.71 .289 1998.0927 22:40 128.98 n/a .000
11613 over <= 5.0 02:FOVDout 0.00 .000 1998.0927 22:40 0.00 n/a .000
11614 (Mst0:Seed=1342E+01 M3, TotDurVol=0.000E+00 M3, M-Ovr= 0, TotDurOvr= 0.hrs)
11615 R1998:CO0035 -----DtmIn-ID:INHYD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
11616 SAVE HYD -----DtmIn-ID:INHYD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
11617 frame :FOVDout:1998
11618 remark:Total post dev flows From Site
11619 R1998:CO0036 -----DtmIn-ID:INHYD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
11620 ADD HYD -----DtmIn-ID:INHYD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
11621 + 5.0 02:R3 377.91 1.134 1998.0927 23:10 67.55 n/a .000
11622 + 5.0 02:R2 148.71 .289 1998.0927 22:40 128.98 n/a .000
11623 + 5.0 02:FOVDout 0.00 .000 1998.0927 22:40 0.00 n/a .000
11624 SUM 5.0 01:R7 526.62 1.420 1998.0927 23:10 84.90 n/a .000
11625 R1998:CO0037 -----DtmIn-ID:INHYD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
11626 ROUTE CHANNEL -> 5.0 02:R7 526.62 1.420 1998.0927 23:10 84.90 n/a .000
11627 (RDV= 5.00 out<= 5.0 01:R7) 526.62 1.420 1998.0927 23:10 84.90 n/a .000
11628 (L/S/m= 308./ .100/.035)
11629 (Vmax = 216.Dmax= 246.)
11630 R1998:CO0038 -----DtmIn-ID:INHYD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
11631 ADD HYD -----DtmIn-ID:INHYD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
11632 + 5.0 02:R10 526.62 1.407 1998.0927 23:25 84.90 n/a .000
11633 + 5.0 02:R6 25.62 .142 1998.0927 21:40 74.20 n/a .000
11634 + 5.0 02:R8 14.26 .146 1998.0927 20:55 85.95 n/a .000
11635 SUM 5.0 01:R12 566.50 1.524 1998.0927 23:10 84.90 n/a .000
11636 R1998:CO0039 -----DtmIn-ID:INHYD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
11637 EROSION INDEX -----DtmIn-ID:INHYD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
11638 (Vmax = 571.Dmax= 721)
11639 R1998:CO0040 -----DtmIn-ID:INHYD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
11640 SAVE HYD -----DtmIn-ID:INHYD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
11641 (RDV= 5.00 out<= 5.0 01:R12) 566.50 1.524 1998.0927 23:10 84.90 n/a .000
11642 (L/S/m= 1182./ .100/.035)
11643 frame :J12:1998
11644 remark:J12-DK Erosion Model MC-3
11645 R1998:CO0041 -----DtmIn-ID:INHYD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
11646 ROUTE CHANNEL -> 5.0 02:R12 566.50 1.524 1998.0927 23:10 84.90 n/a .000
11647 (RDV= 5.00 out<= 5.0 01:R12) 566.50 1.524 1998.0927 23:10 84.90 n/a .000
11648 (L/S/m= 1182./ .100/.035)
11649 (Vmax = 328.Dmax= 492)
11650 R1998:CO0042 -----DtmIn-ID:INHYD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
11651 ADD HYD -----DtmIn-ID:INHYD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
11652 + 5.0 02:R1 79.25 .575 1998.0927 21:25 84.04 n/a .000
11653 + 5.0 02:R2 159.81 .600 1998.0927 22:15 86.48 n/a .000
11654 + 5.0 02:R7 12.05 .146 1998.0927 20:40 84.04 n/a .000
11655 SUM 5.0 01:R3 201.11 1.222 1998.0927 21:35 85.37 n/a .000
11656 R1998:CO0043 -----DtmIn-ID:INHYD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
11657 ROUTE CHANNEL -> 5.0 02:R3 201.11 1.222 1998.0927 21:35 85.37 n/a .000
11658 (RDV= 5.00 out<= 5.0 01:R3) 201.11 1.222 1998.0927 21:35 85.37 n/a .000
11659 (L/S/m= 706./ .116/.035)
11660 (Vmax = 571.Dmax= 721)
11661 R1998:CO0044 -----DtmIn-ID:INHYD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
11662 ADD HYD -----DtmIn-ID:INHYD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
11663 + 5.0 02:R4 65.89 .465 1998.0927 21:35 86.48 n/a .000
11664 + 5.0 02:R1 68.50 .237 1998.0927 22:15 86.48 n/a .000
11665 + 5.0 02:R12 201.11 1.185 1998.0927 21:55 85.37 n/a .000
11666 SUM 5.0 01:R4 438.81 2.202 1998.0927 22:00 81.96 n/a .000
11667 R1998:CO0045 -----DtmIn-ID:INHYD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
11668 ROUTE CHANNEL -> 5.0 02:R4 438.81 2.202 1998.0927 22:00 81.96 n/a .000
11669 (RDV= 5.00 out<= 5.0 01:R4) 438.81 2.202 1998.0927 22:00 81.96 n/a .000
11670 (L/S/m= 1015./ .100/.035)
11671 (Vmax = 561.Dmax= 720)
11672 R1998:CO0046 -----DtmIn-ID:INHYD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
11673 ADD HYD -----DtmIn-ID:INHYD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
11674 + 5.0 02:R6 60.20 .289 1998.0927 22:45 84.50 n/a .000
11675 + 5.0 02:R7 47.26 .280 1998.0927 22:05 91.70 n/a .000
11676 + 5.0 02:R1 566.50 1.415 1998.0927 23:50 84.69 n/a .000
11677 + 5.0 02:R13 438.81 2.090 1998.0927 22:25 81.96 n/a .000
11678 SUM 5.0 01:R15 1181.27 4.176 1998.0927 22:50 84.56 n/a .000
11679 R1998:CO0047 -----DtmIn-ID:INHYD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
11680 ROUTE CHANNEL -> 5.0 02:R15 1181.27 4.176 1998.0927 22:50 84.56 n/a .000
11681 (RDV= 5.00 out<= 5.0 01:R15) 1181.27 4.176 1998.0927 22:50 84.56 n/a .000
11682 (L/S/m= 394.Dmax= 432)
11683 (Vmax = 594.Dmax= 732)
11684 R1998:CO0048 -----DtmIn-ID:INHYD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
11685 ADD HYD -----DtmIn-ID:INHYD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
11686 + 5.0 02:R9 24.24 .251 1998.0927 20:55 87.75 n/a .000
11687 + 5.0 02:R4 1181.27 4.116 1998.0927 23:05 84.56 n/a .000
11688 SUM 5.0 01:R9 1205.51 4.178 1998.0927 23:00 84.63 n/a .000
11689 R1998:CO0049 -----DtmIn-ID:INHYD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
11690 EROSION INDEX -----DtmIn-ID:INHYD-----AREAhA-OPEARcMs-TPeakDate h:hm:-----RvM-R-C-----DWfms
11691 (Vmax = 571.Dmax= 721)
11692 ** END OF RUN : 1998
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15121 SUM# 5.0 01:17 526.62 2.047 1999.0906 18:10 97.68 n/a .000
15122 R1999-C00037 -----DtmIn-ID:INHVD-----AREAhA-OPEARcMs-TPeakDate h:hm:--RvM-R-C-----DWfMcs
15123 ROUTE CHANNEL -> 5.0 02:17 526.62 2.047 1999.0906 18:10 97.68 n/a .000
15124 [RDF= 5.00] out<- 5.0 01:17 526.62 2.036 1999.0906 18:10 97.67 n/a .000
15125 [L/S/n= 308./ 100./035]
15126 [Vmax=.369;Dmax=.416]
15127 R1999-C00038 -----DtmIn-ID:INHVD-----AREAhA-OPEARcMs-TPeakDate h:hm:--RvM-R-C-----DWfMcs
15128 ADD HYD + 5.0 02:10 526.62 2.036 1999.0906 18:10 97.67 n/a .000
15129 + 5.0 02:08 25.62 .188 1999.0906 16:40 89.53 n/a .000
15130 + 5.0 02:08 14.26 .193 1999.0906 15:40 111.40 n/a .000
15131 SUM# 5.0 01:12 566.50 2.233 1999.0906 18:05 97.65 n/a .000
15132 R1999-C00039 -----DtmIn-ID:INHVD-----AREAhA-OPEARcMs-TPeakDate h:hm:--RvM-R-C-----DWfMcs
15133 EROSION INDEX 5.0 01:12 566.50 .034 4582.67 166.25 3.63 13 .206E+06 m
15134 [CCE=.175]
15135 R1999-C00040 -----DtmIn-ID:INHVD-----AREAhA-OPEARcMs-TPeakDate h:hm:--RvM-R-C-----DWfMcs
15136 SAVE HYD 5.0 01:12 566.50 2.233 1999.0906 18:05 97.65 n/a .000
15137 frame #12.1999
15138 remark#12- DMK Erosion Mode M-c3
15139 R1999-C00041 -----DtmIn-ID:INHVD-----AREAhA-OPEARcMs-TPeakDate h:hm:--RvM-R-C-----DWfMcs
15140 ROUTE CHANNEL -> 5.0 01:11 566.50 2.094 1999.0906 18:10 97.65 n/a .000
15141 [RDF= 5.00] out<- 5.0 01:11 566.50 2.094 1999.0906 18:10 97.65 n/a .000
15142 [L/S/n= 182./ 100./035]
15143 [Vmax=.369;Dmax=.416]
15144 R1999-C00042 -----DtmIn-ID:INHVD-----AREAhA-OPEARcMs-TPeakDate h:hm:--RvM-R-C-----DWfMcs
15145 ADD HYD + 5.0 02:17 79.25 .164 1999.0906 16:25 89.67 n/a .000
15146 + 5.0 02:12 109.81 .503 1999.0906 17:10 102.12 n/a .000
15147 + 5.0 02:07 12.05 .146 1999.0906 15:25 99.67 n/a .000
15148 SUM# 5.0 01:13 201.11 1.745 1999.0906 16:40 101.01 n/a .000
15149 R1999-C00043 -----DtmIn-ID:INHVD-----AREAhA-OPEARcMs-TPeakDate h:hm:--RvM-R-C-----DWfMcs
15150 ROUTE CHANNEL -> 5.0 02:13 201.11 1.745 1999.0906 16:40 101.01 n/a .000
15151 [RDF= 5.00] out<- 5.0 01:12 201.11 1.720 1999.0906 16:50 101.01 n/a .000
15152 [L/S/n= 105./ 100./035]
15153 [Vmax=.634;Dmax=.854]
15154 R1999-C00044 -----DtmIn-ID:INHVD-----AREAhA-OPEARcMs-TPeakDate h:hm:--RvM-R-C-----DWfMcs
15155 ADD HYD + 5.0 02:14 65.89 .443 1999.0906 17:15 102.12 n/a .000
15156 + 5.0 02:15 171.81 .946 1999.0906 17:50 91.64 n/a .000
15157 + 5.0 02:12 201.11 1.720 1999.0906 16:50 101.01 n/a .000
15158 SUM# 5.0 01:14 438.81 3.214 1999.0906 17:00 97.51 n/a .000
15159 R1999-C00045 -----DtmIn-ID:INHVD-----AREAhA-OPEARcMs-TPeakDate h:hm:--RvM-R-C-----DWfMcs
15160 ROUTE CHANNEL -> 5.0 01:13 438.81 3.214 1999.0906 17:00 97.51 n/a .000
15161 [RDF= 5.00] out<- 5.0 01:13 438.81 3.131 1999.0906 17:20 97.51 n/a .000
15162 [L/S/n= 105./ 100./035]
15163 [Vmax=.622;Dmax=.870]
15164 R1999-C00046 -----DtmIn-ID:INHVD-----AREAhA-OPEARcMs-TPeakDate h:hm:--RvM-R-C-----DWfMcs
15165 ADD HYD + 5.0 02:17 68.50 .521 1999.0906 17:25 102.12 n/a .000
15166 + 5.0 02:07 47.26 .429 1999.0906 17:05 107.27 n/a .000
15167 + 5.0 02:11 566.50 2.094 1999.0906 18:10 97.65 n/a .000
15168 SUM# 5.0 02:13 438.81 3.131 1999.0906 17:20 97.51 n/a .000
15169 R1999-C00047 -----DtmIn-ID:INHVD-----AREAhA-OPEARcMs-TPeakDate h:hm:--RvM-R-C-----DWfMcs
15170 ROUTE CHANNEL -> 5.0 01:15 1181.27 6.345 1999.0906 17:00 98.67 n/a .000
15171 [RDF= 5.00] out<- 5.0 01:14 1181.27 6.282 1999.0906 18:00 98.67 n/a .000
15172 [L/S/n= 556./ 100./035]
15173 [Vmax=.440;Dmax=.480]
15174 R1999-C00048 -----DtmIn-ID:INHVD-----AREAhA-OPEARcMs-TPeakDate h:hm:--RvM-R-C-----DWfMcs
15175 ADD HYD + 5.0 02:14 1181.27 6.282 1999.0906 18:00 98.67 n/a .000
15176 + 5.0 01:07 1205.51 6.396 1999.0906 18:00 98.96 n/a .000
15177 SUM# 5.0 01:07 1205.51 6.396 1999.0906 18:00 98.96 n/a .000
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11881 R2000:R2000C0039-----DtmIn-ID:HNVD-----AREAA-QFEARCS-TPeakDate hh:mm-----Rvm-R-C-----DWfms
11882 EROSION INDEX 5.0 01:12 566.50 .034 5285.08 169.25 3.20 11 .223xv66
11883 [Cm 56.0; Nm 3.00; Tm 2.09]
11884 R2000:R2000C0040-----DtmIn-ID:HNVD-----AREAA-QFEARCS-TPeakDate hh:mm-----Rvm-R-C-----DWfms
11885 SAVE HYD 5.0 01:12 566.50 3.298 2002.0627_1815 113.50 n/a .000
11886 [I/S/n= 1015./_100./035]
11887 [Vmax= 374;Dmax= 4.99]
11888 R2000:R2000C00041-----DtmIn-ID:HNVD-----AREAA-QFEARCS-TPeakDate hh:mm-----Rvm-R-C-----DWfms
11889 ROUTE CHANNEL > 5.0 02:12 566.50 3.298 2002.0627_17:05 113.50 n/a .000
11890 [R2000:R2000C00040]
11891 [I/S/n= 1182./_100./035]
11892 [Vmax= 427;Dmax= 4.99]
11893 R2000:R2000C00042-----DtmIn-ID:HNVD-----AREAA-QFEARCS-TPeakDate hh:mm-----Rvm-R-C-----DWfms
11894 ADD HYD + 5.0 02:12 79.25 1.048 2002.0627_17:05 115.83 n/a .000
11895 [Cm 56.0; Nm 3.00; Tm 2.09]
11896 [I/S/n= 1182./_100./035]
11897 [Vmax= 427;Dmax= 4.99]
11898 R2000:R2000C00043-----DtmIn-ID:HNVD-----AREAA-QFEARCS-TPeakDate hh:mm-----Rvm-R-C-----DWfms
11899 ROUTE CHANNEL > 5.0 02:13 201.11 2.373 2002.0627_17:05 117.61 n/a .000
11900 [R2000:R2000C00042]
11901 [I/S/n= 706./_116./035]
11902 [Vmax= 686;Dmax= 3.93]
11903 R2000:R2000C00044-----DtmIn-ID:HNVD-----AREAA-QFEARCS-TPeakDate hh:mm-----Rvm-R-C-----DWfms
11904 ADD HYD + 5.0 02:14 65.89 3.864 2002.0627_17:05 115.10 n/a .000
11905 [Cm 56.0; Nm 3.00; Tm 2.09]
11906 [I/S/n= 1015./_100./035]
11907 [Vmax= 374;Dmax= 4.99]
11908 R2000:R2000C00045-----DtmIn-ID:HNVD-----AREAA-QFEARCS-TPeakDate hh:mm-----Rvm-R-C-----DWfms
11909 ROUTE CHANNEL > 5.0 02:14 438.81 4.389 2002.0627_17:20 113.07 n/a .000
11910 [R2000:R2000C00044]
11911 [I/S/n= 1015./_100./035]
11912 [Vmax= 374;Dmax= 4.99]
11913 R2000:R2000C00046-----DtmIn-ID:HNVD-----AREAA-QFEARCS-TPeakDate hh:mm-----Rvm-R-C-----DWfms
11914 ADD HYD + 5.0 02:16 60.20 4.615 2002.0627_18:00 129.81 n/a .000
11915 [Cm 56.0; Nm 3.00; Tm 2.09]
11916 [I/S/n= 1015./_100./035]
11917 [Vmax= 374;Dmax= 4.99]
11918 R2000:R2000C00047-----DtmIn-ID:HNVD-----AREAA-QFEARCS-TPeakDate hh:mm-----Rvm-R-C-----DWfms
11919 ROUTE CHANNEL > 5.0 02:15 1181.27 8.700 2002.0627_18:55 115.00 n/a .000
11920 [R2000:R2000C00046]
11921 [I/S/n= 556./_100./035]
11922 [Vmax= 374;Dmax= 4.99]
11923 R2000:R2000C00048-----DtmIn-ID:HNVD-----AREAA-QFEARCS-TPeakDate hh:mm-----Rvm-R-C-----DWfms
11924 ADD HYD + 5.0 02:19 24.24 4.419 2002.0627_16:35 120.80 n/a .000
11925 [Cm 56.0; Nm 3.00; Tm 2.09]
11926 [I/S/n= 1015./_100./035]
11927 [Vmax= 374;Dmax= 4.99]
11928 R2000:R2000C00049-----DtmIn-ID:HNVD-----AREAA-QFEARCS-TPeakDate hh:mm-----Rvm-R-C-----DWfms
11929 ROUTE CHANNEL > 5.0 01:07 1205.51 6.658 2002.0627_18:55 115.12 n/a .000
11930 [R2000:R2000C00048]
11931 [I/S/n= 1015./_100./035]
11932 [Vmax= 374;Dmax= 4.99]
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122411 (Vmax :532:Dmax :176)
122420 R2002:CO0044-----DtmIn-ID:HVND-----AREAh-QFEARcns-TpeakDate hh:mm-----RvM-R-C-----DWfms
122423 ADD HYD 5.0 02:17 79.25 2.538 2002.0627.2115 181.22 n/a .000
122424 + 5.0 02:17 109.81 2.638 2002.0627.2200 184.44 n/a .000
122425 + 5.0 02:13 12.05 4.52 2002.0627.2030 181.22 n/a .000
122426 SUM 5.0 01:13 201.11 5.371 2002.0627.2125 182.98 n/a .000
122470 R2002:CO0043-----DtmIn-ID:HVND-----AREAh-QFEARcns-TpeakDate hh:mm-----RvM-R-C-----DWfms
122474 ROUTE CHANNEL -> 5.0 02:13 201.11 5.371 2002.0627.2125 182.98 n/a .000
122479 + [RFE 5.0] outc- 5.0 01:18 201.11 5.289 2002.0627.2135 182.98 n/a .000
122510 (L/S/m :706./1167.035)
122511 (Vmax :862:Dmax :1.837)
122520 R2002:CO0044-----DtmIn-ID:HVND-----AREAh-QFEARcns-TpeakDate hh:mm-----RvM-R-C-----DWfms
122523 ADD HYD 5.0 02:14 65.89 2.040 2002.0627.2120 184.44 n/a .000
122524 + 5.0 02:15 171.81 2.812 2002.0627.2245 170.96 n/a .000
122525 + 5.0 02:12 87.26 1.219 2002.0627.2155 181.20 n/a .000
122526 SUM 5.0 01:14 438.81 9.722 2002.0627.2145 178.49 n/a .000
122570 R2002:CO0045-----DtmIn-ID:HVND-----AREAh-QFEARcns-TpeakDate hh:mm-----RvM-R-C-----DWfms
122574 ROUTE CHANNEL -> 5.0 02:14 438.81 9.722 2002.0627.2145 178.49 n/a .000
122579 + [RFE 5.0] outc- 5.0 01:13 438.81 9.866 2002.0627.2225 178.49 n/a .000
122600 (L/S/m :556./1007.035)
122601 (Vmax :448:Dmax :1.20)
122610 R2002:CO0044-----DtmIn-ID:HVND-----AREAh-QFEARcns-TpeakDate hh:mm-----RvM-R-C-----DWfms
122613 ADD HYD 5.0 02:16 60.20 1.253 2002.0627.2235 194.93 n/a .000
122614 + 5.0 02:17 88.50 1.481 2002.0627.2155 184.44 n/a .000
122615 + 5.0 02:17 120.5 1.219 2002.0627.2155 181.20 n/a .000
122616 + 5.0 02:11 566.50 7.790 2002.0627.2305 177.61 n/a .000
122617 SUM 5.0 01:15 1181.27 20.317 2002.0627.2240 179.76 n/a .000
122680 R2002:CO0047-----DtmIn-ID:HVND-----AREAh-QFEARcns-TpeakDate hh:mm-----RvM-R-C-----DWfms
122670 ROUTE CHANNEL -> 5.0 02:15 1181.27 20.317 2002.0627.2240 179.76 n/a .000
122710 + [RFE 5.0] outc- 5.0 01:14 1181.27 19.771 2002.0627.2300 179.76 n/a .000
122720 (L/S/m :576./1007.035)
122721 (Vmax :514:Dmax :921)
122730 R2002:CO0048-----DtmIn-ID:HVND-----AREAh-QFEARcns-TpeakDate hh:mm-----RvM-R-C-----DWfms
122734 ADD HYD 5.0 02:14 24.24 1.113 2002.0627.2045 186.12 n/a .000
122735 + 5.0 02:14 1181.27 19.771 2002.0627.2300 179.76 n/a .000
122736 + 5.0 02:14 1181.27 19.771 2002.0627.2300 179.76 n/a .000
122737 SUM 5.0 01:14 2004.014 40.014 2002.0627.2300 179.76 n/a .000
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122781 ** END OF RUN : 2002
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12601 R2003.C00044 -----DtmIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate hh:mm-----RvM-R-C-----DWfCms
12602 ADD HYD + 5.0 02:24 60.20 .489 2003.0712 115 140.81 n/a .000
12603 + 5.0 02:25 171.81 1.019 2003.0712 1125 126.03 n/a .000
12604 + 5.0 02:12 201.11 1.941 2003.0712 0130 139.25 n/a .000
12605 SUM= 5.0 01:14 438.81 3.598 2003.0712 0139 134.30 n/a .000
12606 R2003.C00045 -----DtmIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate hh:mm-----RvM-R-C-----DWfCms
12607 ROUTE CHANNEL > 5.0 02:14 438.81 3.598 2003.0712 0139 134.30 n/a .000
12608 * [RTE=5.0] out< 5.0 01:13 438.81 3.380 2003.0712 2120 134.30 n/a .000
12609 [L/S/n= 1015./,100./,035]
12610 [Vmax= 373./Imax= 1.084]
12611 R2003.C00046 -----DtmIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate hh:mm-----RvM-R-C-----DWfCms
12612 ADD HYD + 5.0 02:27 60.20 .489 2003.0712 115 140.81 n/a .000
12613 + 5.0 02:27 68.50 .557 2003.0712 1100 140.81 n/a .000
12614 + 5.0 02:12 47.26 .464 2003.0712 0140 148.00 n/a .000
12615 + 5.0 02:11 546.50 2.305 2003.0712 2115 132.11 n/a .000
12616 + 5.0 02:13 438.81 3.380 2003.0712 2120 134.30 n/a .000
12617 SUM= 5.0 02:14 438.81 3.598 2003.0712 2120 134.30 n/a .000
12618 R2003.C00047 -----DtmIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate hh:mm-----RvM-R-C-----DWfCms
12619 ROUTE CHANNEL > 5.0 02:15 1181.27 6.919 2003.0712 2120 135.16 n/a .000
12620 [RTE=5.0] out< 5.0 01:14 1181.27 6.919 2003.0712 1440 135.16 n/a .000
12621 [L/S/n= 556./,100./,035]
12622 [Vmax= 476./Imax= 1.398]
12623 R2003.C00048 -----DtmIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate hh:mm-----RvM-R-C-----DWfCms
12624 ADD HYD + 5.0 02:29 24.24 .395 2003.0712 2340 142.56 n/a .000
12625 + 5.0 02:14 1181.27 6.741 2003.0712 1440 135.16 n/a .000
12626 SUM= 5.0 01:07 1205.51 6.839 2003.0712 1135 135.31 n/a .000
12627 *****
12628 ** END OF RUN : 2003
12629 *****
12630 *****
12631 *****
12632 *****
12633 *****
12634 *****
12635 *****
12636 *****
12637 *****
12638 R2004.C00001 -----DtmIn-ID:INHYD-----AREAh-QFEARcns-TpeakDate hh:mm-----RvM-R-C-----DWfCms
12639 START
12640 [RTE= 0.0] hrs on 20040101
12641 [METOUR= 2] [IMPERIAL, Zmetric output]
12642 [NUN= 0]
12643 [NUN= 2004]
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129611 ADD HYD + 5.0 02176 60.20 1.927 2004.0909.2110 206.29 n/a .000
129612 + 5.0 02177 68.50 2.162 2004.0909.2010 195.25 n/a .000
129613 + 5.0 02187 47.26 1.609 2004.0909.1925 202.56 n/a .000
129614 + 5.0 02181 566.50 14.000 2004.0909.2105 183.05 n/a .000
129615 + 5.0 02183 438.81 13.156 2004.0909.2040 188.70 n/a .000
129616 SUM 5.0 01135 1181.27 32.769 2004.0909.2105 187.82 n/a .000
129617 R2004C00044 -----DtnIn-ID:INHYD-----AREAh-QPEARcns-TpeakDate h:ms-----RvM-R-C-----DWfMS
129618 ROUTE CHANNEL -> 5.0 02115 1181.27 32.769 2004.0909.2105 187.82 n/a .000
129619 * [Rf= 5.0] outc----- 5.0 01184 1181.27 32.713 2004.0909.2105 187.82 n/a .000
129620 [L/S= 336./ 100./035]
129621 R2004C00044 -----DtnIn-ID:INHYD-----AREAh-QPEARcns-TpeakDate h:ms-----RvM-R-C-----DWfMS
129622 ADD HYD + 5.0 02189 24.24 1.109 2004.0909.1615 197.13 n/a .000
129623 + 5.0 02184 1181.27 32.713 2004.0909.2105 187.82 n/a .000
129624 SUM 5.0 01107 1181.11 33.441 2004.0909.2105 188.01 n/a .000
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129996 *****
129997 *****
129998 *****
129999 *****

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13321 R2006C00048-----DtmIn-ID:INHYD-----AREHA-OPEARcGms-TPeakDate h:hm:-----RvMm-R.C-----DWfms
13322 ADD HYD 24.24 405 2006.0807 9440 191.81 n/a .000
13323 + 5.0 01:214 1181.27 7.575 2006.0803 1140 193.41 n/a .000
13324 SUM= 5.0 01:007 1205.51 7.700 2006.0803 1140 193.57 n/a .000
13325 *****
13326 *****
13327 ** END OF RUN : 2006
13328 *****
13329 *****
13330 *****
13331 *****
13332 *****
13333 *****
13334 *****
13335 RUN:CONMND#
13336 R2007C0001-----DtmIn-ID:INHYD-----AREHA-OPEARcGms-TPeakDate h:hm:-----RvMm-R.C-----DWfms
13337 START
13338 [ZSR0 = .00 hrs on 20070101]
13339 [MFOU= 2 (1=Imperial, 2=metric output)]
13340 [METRO= 0]
13341 [INUN = 2007]
13342 *****
13343 # SWHYNO / INPUT DATA FILE
13344 [Start date= 2007.0101; End date= 2007.1231]
13345 [File name: Length= 3160; Type= Metric= 437; Dryness= 474; PFO= 550.70]
13346 Maximum average rainfall intensities over
13347 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
13348 23.20 11.60 7.80 7.13 5.63 2.82 1.90 1.45 .97 mm/hr
13349 23.20 23.20 23.40 42.80 67.50 67.70 68.30 69.80 69.80 mm
13350 2007029 2007030 2007031 2007032 2007033 2007034 2007035 2007036 2007037
13351 Number of rainfall events per following interval time
13352 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
13353 158 120 109 82 64 49 36 29 20
13354 Number of events with at least the following durations
13355 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
13356 157 84 53 15 4 0 0 0 0
13357 *****
13358 R2007C00002-----DtmIn-ID:INHYD-----AREHA-OPEARcGms-TPeakDate h:hm:-----RvMm-R.C-----DWfms
13359 # READ ABE DATA
13360 [Filename = YOM 1967-2016.txt ]
13361 [Start date= 2007.0101; End date= 2007.1231]
13362 [File name: Length= 3160; Type= Metric= 437; Dryness= 474; PFO= 550.70]
13363 Maximum average rainfall intensities over
13364 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
13365 23.20 11.60 7.80 7.13 5.63 2.82 1.90 1.45 .97 mm/hr
13366 23.20 23.20 23.40 42.80 67.50 67.70 68.30 69.80 69.80 mm
13367 2007029 2007030 2007031 2007032 2007033 2007034 2007035 2007036 2007037
13368 Number of rainfall events per following interval time
13369 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
13370 158 120 109 82 64 49 36 29 20
13371 Number of events with at least the following durations
13372 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
13373 157 84 53 15 4 0 0 0 0
13374 *****
13375 R2007C00003-----DtmIn-ID:INHYD-----AREHA-OPEARcGms-TPeakDate h:hm:-----RvMm-R.C-----DWfms
13376 # COMPUTE API
13377 [APIIn= 40.00; APIKey= 8000; APIKey= 9907]
13378 [APIIn= 12.16; APIKey= 12.16; APIKey= .39]
13379 *****
13380 # Pre-Development Conditions
13381 *****
13382 # EXT#
13383 *****
13384 R2007C00004-----DtmIn-ID:INHYD-----AREHA-OPEARcGms-TPeakDate h:hm:-----RvMm-R.C-----DWfms
13385 CONTINUOUS NASHVD 5.0 01:EXT1 60.46 .534 2007.0720 1745 95.67 174 .000
13386 [Cm= 50.0; Nm= 3.00; Tpe= 1.64]
13387 [IaRc=24.00; SMIn= 39.75; SMAX=65.12; Eke= 100]
13388 [InterEventTime= 24.00]
13389 *****
13390 # EXT#
13391 *****
13392 R2007C00005-----DtmIn-ID:INHYD-----AREHA-OPEARcGms-TPeakDate h:hm:-----RvMm-R.C-----DWfms
13393 CONTINUOUS NASHVD 5.0 01:EXT2 7.62 .092 2007.0720 1630 111.03 202 .000
13394 [Cm= 60.0; Nm= 3.00; Tpe= 1.72]
13395 [IaRc=24.00; SMIn= 59.42; SMAX=396.11; Eke= 100]
13396 [InterEventTime= 24.00]
13397 *****
13398 # EXT#
13399 *****
13400 R2007C00006-----DtmIn-ID:INHYD-----AREHA-OPEARcGms-TPeakDate h:hm:-----RvMm-R.C-----DWfms
13401 CONTINUOUS NASHVD 5.0 01:EXT3 17.96 .193 2007.0720 1730 105.63 192 .000
13402 [Cm= 59.0; Nm= 3.00; Tpe= 1.64]
13403 [IaRc=24.00; SMIn= 70.11; SMAX=467.39; Eke= 100]
13404 [InterEventTime= 24.00]
13405 *****
13406 # EXT#
13407 *****
13408 R2007C00007-----DtmIn-ID:INHYD-----AREHA-OPEARcGms-TPeakDate h:hm:-----RvMm-R.C-----DWfms
13409 CONTINUOUS NASHVD 5.0 01:EXT4 60.46 .534 2007.0720 1515 93.33 169 .000
13410 [Cm= 50.0; Nm= 3.00; Tpe= 1.64]
13411 [IaRc=24.00; SMIn= 39.75; SMAX=65.12; Eke= 100]
13412 [InterEventTime= 24.00]
13413 *****
13414 # EXT#
13415 *****
13416 R2007C00008-----DtmIn-ID:INHYD-----AREHA-OPEARcGms-TPeakDate h:hm:-----RvMm-R.C-----DWfms
13417 CONTINUOUS NASHVD 5.0 01:EXT5 1.95 .018 2007.0720 1515 101.77 185 .000
13418 [Cm= 50.0; Nm= 3.00; Tpe= 1.64]
13419 [IaRc=24.00; SMIn= 70.11; SMAX=467.39; Eke= 100]
13420 [InterEventTime= 24.00]
13421 *****
13422 # M1
13423 *****
13424 R2007C00009-----DtmIn-ID:INHYD-----AREHA-OPEARcGms-TPeakDate h:hm:-----RvMm-R.C-----DWfms
13425 CONTINUOUS NASHVD 5.0 01:EXT6 11.89 1.197 2007.0720 1735 105.63 192 .000
13426 [Cm= 60.0; Nm= 3.00; Tpe= 1.72]
13427 [IaRc=24.00; SMIn= 59.42; SMAX=396.11; Eke= 100]
13428 [InterEventTime= 24.00]
13429 *****
13430 # M2
13431 *****
13432 R2007C00010-----DtmIn-ID:INHYD-----AREHA-OPEARcGms-TPeakDate h:hm:-----RvMm-R.C-----DWfms
13433 CONTINUOUS NASHVD 5.0 01:EXT7 119.73 .967 2007.0720 1950 98.06 178 .000
13434 [Cm= 50.0; Nm= 3.00; Tpe= 1.64]
13435 [IaRc=24.00; SMIn= 91.01; SMAX=606.70; Eke= 100]
13436 [InterEventTime= 24.00]
13437 *****
13438 # M3
13439 *****
13440 R2007C00011-----DtmIn-ID:INHYD-----AREHA-OPEARcGms-TPeakDate h:hm:-----RvMm-R.C-----DWfms
13441 CONTINUOUS NASHVD 5.0 01:EXT8 39.07 .309 2007.0720 1740 91.05 169 .000
13442 [Cm= 48.0; Nm= 3.00; Tpe= 1.68]
13443 [IaRc=24.00; SMIn=125.19; SMAX=807.93; Eke= 100]
13444 [InterEventTime= 24.00]
13445 *****
13446 # M4
13447 *****
13448 R2007C00012-----DtmIn-ID:INHYD-----AREHA-OPEARcGms-TPeakDate h:hm:-----RvMm-R.C-----DWfms
13449 CONTINUOUS NASHVD 5.0 01:EXT9 25.62 .287 2007.0720 1740 109.65 199 .000
13450 [Cm= 60.0; Nm= 3.00; Tpe= 1.72]
13451 [IaRc=24.00; SMIn= 61.90; SMAX=412.66; Eke= 100]
13452 [InterEventTime= 24.00]
13453 *****
13454 # M5
13455 *****
13456 R2007C00013-----DtmIn-ID:INHYD-----AREHA-OPEARcGms-TPeakDate h:hm:-----RvMm-R.C-----DWfms
13457 CONTINUOUS NASHVD 5.0 01:EXT10 56.26 .541 2007.0720 1805 101.77 185 .000
13458 [Cm= 50.0; Nm= 3.00; Tpe= 1.69]
13459 [IaRc=24.00; SMIn= 70.11; SMAX=467.39; Eke= 100]
13460 [InterEventTime= 24.00]
13461 *****
13462 # M6
13463 *****
13464 R2007C00014-----DtmIn-ID:INHYD-----AREHA-OPEARcGms-TPeakDate h:hm:-----RvMm-R.C-----DWfms
13465 CONTINUOUS NASHVD 5.0 01:EXT11 25.62 .287 2007.0720 1740 109.65 199 .000
13466 [Cm= 60.0; Nm= 3.00; Tpe= 1.72]
13467 [IaRc=24.00; SMIn= 61.90; SMAX=412.66; Eke= 100]
13468 [InterEventTime= 24.00]
13469 *****
13470 # M7
13471 *****
13472 R2007C00015-----DtmIn-ID:INHYD-----AREHA-OPEARcGms-TPeakDate h:hm:-----RvMm-R.C-----DWfms
13473 CONTINUOUS NASHVD 5.0 01:EXT12 47.26 .637 2007.0720 1755 133.12 242 .000
13474 [Cm= 70.0; Nm= 3.00; Tpe= 1.83]
13475 [IaRc=24.00; SMIn= 33.81; SMAX=225.43; Eke= 100]
13476 [InterEventTime= 24.00]
13477 *****
13478 # M8
13479 *****
13480 R2007C00016-----DtmIn-ID:INHYD-----AREHA-OPEARcGms-TPeakDate h:hm:-----RvMm-R.C-----DWfms
13481 CONTINUOUS NASHVD 5.0 01:EXT13 14.26 .219 2007.0720 1555 139.73 252 .000
13482 [Cm= 78.0; Nm= 3.00; Tpe= 1.13]
13483 [IaRc=24.00; SMIn= 29.88; SMAX=199.22; Eke= 100]
13484 [InterEventTime= 24.00]
13485 *****
13486 # M9
13487 *****
13488 R2007C00017-----DtmIn-ID:INHYD-----AREHA-OPEARcGms-TPeakDate h:hm:-----RvMm-R.C-----DWfms
13489 CONTINUOUS NASHVD 5.0 01:EXT14 24.70 .345 2007.0720 1625 127.82 232 .000
13490 [Cm= 70.0; Nm= 3.00; Tpe= 1.13]
13491 [IaRc=24.00; SMIn= 91.01; SMAX=606.70; Eke= 100]
13492 [InterEventTime= 24.00]
13493 *****
13494 # SITE
13495 *****
13496 *****
13497 R2007C00018-----DtmIn-ID:INHYD-----AREHA-OPEARcGms-TPeakDate h:hm:-----RvMm-R.C-----DWfms
13498 CONTINUOUS NASHVD 5.0 01:SITE 60.48 2.502 2007.0830 0100 279.41 507 .000
13499 [XMP= 65; IAMP= 65]
13500 [Metric parameters: Fw= 76.20; P= 13.20; DCA= 4.14; F= .00]

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13681 *****
13682 *****
13683 *****
13684 RUN#COMMAND#
13685 R2008C0001#-----DtmIn-ID:HVND-----AREAh-QFEARcm-TPeakDate hh:mm-----Rvm-R.C-----DWfms
13686 *****
13687 *****
13688 *****
13689 *****
13690 *****
13691 *****
13692 *****
13693 *****
13694 *****
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14041 # SWMSYS / INPUT DATA FILE
14042 *****
14043 # Project Name : [Tamarack Richmond]
14044 # Project Number: [R2001(601)]
14045 # Date : [2025 JULY 23]
14046 # Modeler : [JFS and GSI]
14047 # Company : [JFS Canada Inc.]
14048 # License # : [2549237]
14049 *****
14050 # SUMMER CONDITIONS MODEL
14051 # Model developed to simulate runoff from subcatchments under pre development conditions
14052 *****
14053 #*****
14054 # Ottawa International Airport - 19 July 1967 to 01 Nov 2016
14055 R2009:CO002-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14056 # HEAD AREA DATA
14057 [Filename = YOW 1967-2016.txt]
14058 [Start_date = 2009.0101; End_date = 2009.1231]
14059 [OTF 60 min; Length 4440 hrs; Metrics 398; DryVrs= 4042; PFD= 633.50]
14060 *****
14061 Maximum average rainfall intensities over
14062 [1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs]
14063 34.80 21.55 15.67 7.83 5.23 2.79 1.86 1.40 .95 mm/hr
14064 34.80 43.10 47.00 47.00 62.80 66.90 66.90 67.10 68.10 mm
14065 20090729 20090729 20090719 20090718 20090718 20090719 20090719 20090719 20090719 date
14066 *****
14067 Number of rainfall events per following interval time
14068 [1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs]
14069 146 120 98 80 57 42 32 22 20
14070 *****
14071 Number of events with at least the following durations
14072 [1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs]
14073 145 72 48 18 3 0 0 0 0
14074 R2009:CO003-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14075 # COMPUTE AFOI
14076 [AFIn= 40.00; AFIKey= 8000; AFIpk= .9907]
14077 [AFIbase= 79.13; AFIkey= 16.28; AFImin= 1.13]
14078 *****
14079 # Pre-Development Conditions
14080 *****
14081 # EXTI
14082 *****
14083 R2009:CO004-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14084 CONTINUOUS NASHVD 5.0 01:EXT1 60.46 .628 2009.0729_2045 153.74 243 .000
14085 [CN 59.0; N= 3.00; Tpe= 1.76]
14086 [IAR=24.00; SMIN= 99.77; SMAX=65.12; SK= 100]
14087 [InterEventTime= 24.00]
14088 *****
14089 # EXT1
14090 *****
14091 R2009:CO005-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14092 CONTINUOUS NASHVD 5.0 01:EXT2 7.62 .172 2009.0729_1955 173.10 .273 .000
14093 [CN 63.0; N= 3.00; Tpe= .92]
14094 [IAR=24.00; SMIN= 59.42; SMAX=396.11; SK= 100]
14095 [InterEventTime= 24.00]
14096 *****
14097 # EXT2
14098 *****
14099 R2009:CO006-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14100 CONTINUOUS NASHVD 5.0 01:EXT3 37.80 1.98 2009.0729_2040 166.42 263 .000
14101 [CN 59.0; N= 3.00; Tpe= 1.64]
14102 [IAR=24.00; SMIN= 59.74; SMAX=467.39; SK= 100]
14103 [InterEventTime= 24.00]
14104 *****
14105 # EXT3
14106 *****
14107 R2009:CO007-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14108 CONTINUOUS NASHVD 5.0 01:EXT4 .64 .015 2009.0729_1915 150.90 238 .000
14109 [CN 48.0; N= 3.00; Tpe= .43]
14110 [IAR=24.00; SMIN= 59.74; SMAX=731.60; SK= 100]
14111 [InterEventTime= 24.00]
14112 *****
14113 # EXTS
14114 *****
14115 R2009:CO008-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14116 CONTINUOUS NASHVD 5.0 01:EXT5 1.55 .046 2009.0729_1915 161.66 255 .000
14117 [CN 58.0; N= 3.00; Tpe= 1.44]
14118 [IAR=24.00; SMIN= 79.69; SMAX=531.24; SK= 100]
14119 [InterEventTime= 24.00]
14120 *****
14121 # M1
14122 *****
14123 R2009:CO009-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14124 CONTINUOUS NASHVD 5.0 01:M1 111.89 1.480 2009.0729_2045 166.42 263 .000
14125 [CN 58.0; N= 3.00; Tpe= 1.71]
14126 [IAR=24.00; SMIN= 70.11; SMAX=467.39; SK= 100]
14127 [InterEventTime= 24.00]
14128 *****
14129 # M2
14130 *****
14131 R2009:CO010-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14132 CONTINUOUS NASHVD 5.0 01:M2 119.73 .796 2009.0729_2205 156.65 247 .000
14133 [CN 53.0; N= 3.00; Tpe= 3.12]
14134 [IAR=24.00; SMIN= 91.01; SMAX=606.70; SK= 100]
14135 [InterEventTime= 24.00]
14136 *****
14137 # M3
14138 *****
14139 R2009:CO011-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14140 CONTINUOUS NASHVD 5.0 01:M3 39.07 .167 2009.0729_2045 148.13 234 .000
14141 [CN 46.0; N= 3.00; Tpe= 1.68]
14142 [IAR=24.00; SMIN= 121.74; SMAX=807.93; SK= 100]
14143 [InterEventTime= 24.00]
14144 *****
14145 # M4
14146 *****
14147 R2009:CO012-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14148 CONTINUOUS NASHVD 5.0 01:M4 50.96 .513 2009.0729_2055 156.65 247 .000
14149 [CN 51.0; N= 3.00; Tpe= 1.95]
14150 [IAR=24.00; SMIN= 59.42; SMAX=606.70; SK= 100]
14151 [InterEventTime= 24.00]
14152 *****
14153 # M5
14154 *****
14155 R2009:CO013-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14156 CONTINUOUS NASHVD 5.0 01:M5 56.26 .581 2009.0729_2105 161.65 255 .000
14157 [CN 50.0; N= 3.00; Tpe= 2.04]
14158 [IAR=24.00; SMIN= 79.69; SMAX=531.24; SK= 100]
14159 [InterEventTime= 24.00]
14160 *****
14161 # M6
14162 *****
14163 R2009:CO014-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14164 CONTINUOUS NASHVD 5.0 01:M6 25.62 .345 2009.0729_2050 171.40 271 .000
14165 [CN 62.0; N= 3.00; Tpe= 1.83]
14166 [IAR=24.00; SMIN= 61.90; SMAX=412.66; SK= 100]
14167 [InterEventTime= 24.00]
14168 *****
14169 # M7
14170 *****
14171 R2009:CO015-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14172 CONTINUOUS NASHVD 5.0 01:M7 47.26 .197 2009.0729_2115 200.10 216 .000
14173 [CN 75.0; N= 3.00; Tpe= 2.29]
14174 [IAR=24.00; SMIN= 39.81; SMAX=225.43; SK= 100]
14175 [InterEventTime= 24.00]
14176 *****
14177 # M8
14178 *****
14179 R2009:CO016-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14180 CONTINUOUS NASHVD 5.0 01:M8 54.26 .196 2009.0729_2005 206.78 226 .000
14181 [CN 78.0; N= 3.00; Tpe= 1.13]
14182 [IAR=24.00; SMIN= 29.81; SMAX=199.22; SK= 100]
14183 [InterEventTime= 24.00]
14184 *****
14185 # M9
14186 *****
14187 R2009:CO017-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14188 CONTINUOUS NASHVD 5.0 01:M9 24.24 .605 2009.0729_2005 193.73 306 .000
14189 [CN 71.0; N= 3.00; Tpe= 1.13]
14190 [IAR=24.00; SMIN= 39.18; SMAX=254.55; SK= 100]
14191 [InterEventTime= 24.00]
14192 *****
14193 # SITE
14194 *****
14195 R2009:CO018-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14196 CONTINUOUS STANDVVD 5.0 01:SITE 60.48 4.238 2009.0729_1900 340.58 538 .000
14197 [XMIN= 100]
14198 [Horiz parameters: Fm 76.20; Fm 13.20; DCA=14.14; Fm .00]
14199 [Vertical area: Iapex= 4.67; IPR=0.00; IOW= 0.00; SMN= 250.00; Fm .00]
14200 [InterV area: IPR=1.00; IOW= 0.00; SMN= 0.00; IOW= 0.00]
14201 [IAR=24.00; SMIN= 10.00; IAR=24.00]
14202 *****
14203 # T1
14204 *****
14205 R2009:CO019-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14206 CONTINUOUS NASHVD 5.0 01:T1 79.25 1.415 2009.0729_2035 187.72 296 .000
14207 [CN 70.0; N= 3.00; Tpe= 1.64]
14208 [IAR=24.00; SMIN= 43.07; SMAX=287.10; SK= 100]
14209 [InterEventTime= 24.00]
14210 *****
14211 # T2
14212 *****
14213 R2009:CO020-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14214 CONTINUOUS NASHVD 5.0 01:T2 109.81 1.498 2009.0729_2115 191.69 303 .000
14215 [CN 72.0; N= 3.00; Tpe= 1.84]
14216 [IAR=24.00; SMIN= 39.75; SMAX=264.99; SK= 100]
14217 [InterEventTime= 24.00]
14218 *****
14219 # T3
14220 *****
14221 R2009:CO021-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14222 CONTINUOUS NASHVD 5.0 01:T3 111.89 1.480 2009.0729_2045 166.42 263 .000
14223 [CN 70.0; N= 3.00; Tpe= 1.71]
14224 [IAR=24.00; SMIN= 70.11; SMAX=467.39; SK= 100]
14225 [InterEventTime= 24.00]
14226 *****
14227 # T4
14228 *****
14229 R2009:CO022-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14230 CONTINUOUS NASHVD 5.0 01:T4 65.89 1.480 2009.0729_2045 166.42 263 .000
14231 [CN 72.0; N= 3.00; Tpe= 1.76]
14232 [IAR=24.00; SMIN= 39.75; SMAX=264.99; SK= 100]
14233 [InterEventTime= 24.00]
14234 # T5
14235 *****
14236 R2009:CO023-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14237 CONTINUOUS NASHVD 5.0 01:T5 171.81 1.524 2009.0729_2200 174.83 276 .000
14238 [CN 64.0; N= 3.00; Tpe= 3.07]
14239 [IAR=24.00; SMIN= 37.05; SMAX=380.32; SK= 100]
14240 [InterEventTime= 24.00]
14241 *****
14242 # T6
14243 *****
14244 R2009:CO024-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14245 CONTINUOUS NASHVD 5.0 01:T6 60.20 .731 2009.0729_2155 204.51 323 .000
14246 [CN 70.0; N= 3.00; Tpe= 2.98]
14247 [IAR=24.00; SMIN= 31.15; SMAX=207.66; SK= 100]
14248 [InterEventTime= 24.00]
14249 *****
14250 # T7
14251 *****
14252 R2009:CO025-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14253 CONTINUOUS NASHVD 5.0 01:T7 69.50 .840 2009.0729_2135 191.69 303 .000
14254 [CN 72.0; N= 3.00; Tpe= 2.43]
14255 [IAR=24.00; SMIN= 39.75; SMAX=264.99; SK= 100]
14256 [InterEventTime= 24.00]
14257 *****
14258 # T8
14259 *****
14260 R2009:CO026-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14261 ROUTE CHANNEL 5.0 01:R1 111.89 .942 2009.0729_2155 166.42 n/a .000
14262 [L/S= 182.7 / 100 / 035]
14263 [Vmax= 344; Dmax= .514]
14264 R2009:CO027-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14265 ADD HYD 5.0 02:HYD 119.73 .796 2009.0729_2205 156.65 n/a .000
14266 [CN 59.0; N= 3.00; Tpe= 2.43]
14267 [IAR=24.00; SMIN= 39.75; SMAX=606.70; SK= 100]
14268 [InterEventTime= 24.00]
14269 *****
14270 # T9
14271 *****
14272 R2009:CO028-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14273 ROUTE CHANNEL 5.0 01:R2 270.69 1.996 2009.0729_2155 159.46 n/a .000
14274 [L/S= 192.7 / 100 / 035]
14275 [Vmax= 540; Dmax= 442]
14276 R2009:CO029-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14277 ADD HYD 5.0 02:HYD 50.96 .513 2009.0729_2055 156.65 n/a .000
14278 [CN 59.0; N= 3.00; Tpe= 2.43]
14279 [IAR=24.00; SMIN= 39.75; SMAX=606.70; SK= 100]
14280 [InterEventTime= 24.00]
14281 *****
14282 # T10
14283 *****
14284 R2009:CO030-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14285 ROUTE CHANNEL 5.0 02:R3 321.65 2.441 2009.0729_2140 159.01 n/a .000
14286 [L/S= 784.4 / 100 / 035]
14287 [Vmax= 384; Dmax= 378]
14288 R2009:CO031-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14289 ADD HYD 5.0 02:HYD 321.65 2.441 2009.0729_2140 159.01 n/a .000
14290 [CN 59.0; N= 3.00; Tpe= 2.43]
14291 [IAR=24.00; SMIN= 39.75; SMAX=606.70; SK= 100]
14292 [InterEventTime= 24.00]
14293 *****
14294 # T11
14295 *****
14296 R2009:CO032-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14297 ADD HYD 5.0 02:HYD 321.65 2.441 2009.0729_2140 159.01 n/a .000
14298 [CN 59.0; N= 3.00; Tpe= 2.43]
14299 [IAR=24.00; SMIN= 39.75; SMAX=606.70; SK= 100]
14300 [InterEventTime= 24.00]
14301 *****
14302 # T12
14303 *****
14304 R2009:CO033-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14305 ROUTE CHANNEL 5.0 02:R4 377.91 2.846 2009.0729_2200 159.40 n/a .000
14306 [L/S= 664.4 / 100 / 035]
14307 [Vmax= 543; Dmax= 480]
14308 R2009:CO034-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14309 ADD HYD 5.0 02:HYD 148.73 4.536 2009.0729_1900 232.32 n/a .000
14310 [CN 59.0; N= 3.00; Tpe= 2.43]
14311 [IAR=24.00; SMIN= 39.75; SMAX=606.70; SK= 100]
14312 [InterEventTime= 24.00]
14313 *****
14314 # T13
14315 *****
14316 R2009:CO035-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14317 ROUTE RESERVOIR 5.0 02:R5 148.73 4.536 2009.0729_1900 232.32 n/a .000
14318 [CN 59.0; N= 3.00; Tpe= 2.43]
14319 [IAR=24.00; SMIN= 39.75; SMAX=606.70; SK= 100]
14320 [InterEventTime= 24.00]
14321 *****
14322 # T14
14323 *****
14324 R2009:CO036-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14325 ROUTE CHANNEL 5.0 02:R6 526.62 3.675 2009.0729_2205 179.99 n/a .000
14326 [L/S= 1107.4 / 100 / 035]
14327 [Vmax= 429; Dmax= 425]
14328 R2009:CO037-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14329 ADD HYD 5.0 02:HYD 526.62 3.675 2009.0729_2205 179.99 n/a .000
14330 [CN 59.0; N= 3.00; Tpe= 2.43]
14331 [IAR=24.00; SMIN= 39.75; SMAX=606.70; SK= 100]
14332 [InterEventTime= 24.00]
14333 *****
14334 # T15
14335 *****
14336 R2009:CO038-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14337 ROUTE CHANNEL 5.0 02:R7 526.62 3.675 2009.0729_2205 179.99 n/a .000
14338 [L/S= 1107.4 / 100 / 035]
14339 [Vmax= 429; Dmax= 425]
14340 R2009:CO039-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14341 ADD HYD 5.0 02:HYD 526.62 3.675 2009.0729_2205 179.99 n/a .000
14342 [CN 59.0; N= 3.00; Tpe= 2.43]
14343 [IAR=24.00; SMIN= 39.75; SMAX=606.70; SK= 100]
14344 [InterEventTime= 24.00]
14345 *****
14346 # T16
14347 *****
14348 R2009:CO040-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14349 ROUTE CHANNEL 5.0 02:R8 526.62 3.675 2009.0729_2205 179.99 n/a .000
14350 [L/S= 1107.4 / 100 / 035]
14351 [Vmax= 429; Dmax= 425]
14352 R2009:CO041-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14353 ADD HYD 5.0 02:HYD 526.62 3.675 2009.0729_2205 179.99 n/a .000
14354 [CN 59.0; N= 3.00; Tpe= 2.43]
14355 [IAR=24.00; SMIN= 39.75; SMAX=606.70; SK= 100]
14356 [InterEventTime= 24.00]
14357 *****
14358 # T17
14359 *****
14360 R2009:CO042-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14361 ROUTE CHANNEL 5.0 02:R9 526.62 3.675 2009.0729_2205 179.99 n/a .000
14362 [L/S= 1107.4 / 100 / 035]
14363 [Vmax= 429; Dmax= 425]
14364 R2009:CO043-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14365 ADD HYD 5.0 02:HYD 526.62 3.675 2009.0729_2205 179.99 n/a .000
14366 [CN 59.0; N= 3.00; Tpe= 2.43]
14367 [IAR=24.00; SMIN= 39.75; SMAX=606.70; SK= 100]
14368 [InterEventTime= 24.00]
14369 *****
14370 # T18
14371 *****
14372 R2009:CO044-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14373 ROUTE CHANNEL 5.0 02:R10 526.62 3.675 2009.0729_2205 179.99 n/a .000
14374 [L/S= 1107.4 / 100 / 035]
14375 [Vmax= 429; Dmax= 425]
14376 R2009:CO045-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14377 ADD HYD 5.0 02:HYD 526.62 3.675 2009.0729_2205 179.99 n/a .000
14378 [CN 59.0; N= 3.00; Tpe= 2.43]
14379 [IAR=24.00; SMIN= 39.75; SMAX=606.70; SK= 100]
14380 [InterEventTime= 24.00]
14381 *****
14382 # T19
14383 *****
14384 R2009:CO046-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14385 ROUTE CHANNEL 5.0 02:R11 526.62 3.675 2009.0729_2205 179.99 n/a .000
14386 [L/S= 1107.4 / 100 / 035]
14387 [Vmax= 429; Dmax= 425]
14388 R2009:CO047-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14389 ADD HYD 5.0 02:HYD 526.62 3.675 2009.0729_2205 179.99 n/a .000
14390 [CN 59.0; N= 3.00; Tpe= 2.43]
14391 [IAR=24.00; SMIN= 39.75; SMAX=606.70; SK= 100]
14392 [InterEventTime= 24.00]
14393 *****
14394 # T20
14395 *****
14396 R2009:CO048-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14397 ROUTE CHANNEL 5.0 02:R12 526.62 3.675 2009.0729_2205 179.99 n/a .000
14398 [L/S= 1107.4 / 100 / 035]
14399 [Vmax= 429; Dmax= 425]
14400 R2009:CO049-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14401 ADD HYD 5.0 02:HYD 526.62 3.675 2009.0729_2205 179.99 n/a .000
14402 [CN 59.0; N= 3.00; Tpe= 2.43]
14403 [IAR=24.00; SMIN= 39.75; SMAX=606.70; SK= 100]
14404 [InterEventTime= 24.00]
14405 *****
14406 # T21
14407 *****
14408 R2009:CO050-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14409 ROUTE CHANNEL 5.0 02:R13 526.62 3.675 2009.0729_2205 179.99 n/a .000
14410 [L/S= 1107.4 / 100 / 035]
14411 [Vmax= 429; Dmax= 425]
14412 R2009:CO051-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14413 ADD HYD 5.0 02:HYD 526.62 3.675 2009.0729_2205 179.99 n/a .000
14414 [CN 59.0; N= 3.00; Tpe= 2.43]
14415 [IAR=24.00; SMIN= 39.75; SMAX=606.70; SK= 100]
14416 [InterEventTime= 24.00]
14417 *****
14418 # T22
14419 *****
14420 R2009:CO052-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14421 ROUTE CHANNEL 5.0 02:R14 526.62 3.675 2009.0729_2205 179.99 n/a .000
14422 [L/S= 1107.4 / 100 / 035]
14423 [Vmax= 429; Dmax= 425]
14424 R2009:CO053-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14425 ADD HYD 5.0 02:HYD 526.62 3.675 2009.0729_2205 179.99 n/a .000
14426 [CN 59.0; N= 3.00; Tpe= 2.43]
14427 [IAR=24.00; SMIN= 39.75; SMAX=606.70; SK= 100]
14428 [InterEventTime= 24.00]
14429 *****
14430 # T23
14431 *****
14432 R2009:CO054-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14433 ROUTE CHANNEL 5.0 02:R15 526.62 3.675 2009.0729_2205 179.99 n/a .000
14434 [L/S= 1107.4 / 100 / 035]
14435 [Vmax= 429; Dmax= 425]
14436 R2009:CO055-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14437 ADD HYD 5.0 02:HYD 526.62 3.675 2009.0729_2205 179.99 n/a .000
14438 [CN 59.0; N= 3.00; Tpe= 2.43]
14439 [IAR=24.00; SMIN= 39.75; SMAX=606.70; SK= 100]
14440 [InterEventTime= 24.00]
14441 *****
14442 # T24
14443 *****
14444 R2009:CO056-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14445 ROUTE CHANNEL 5.0 02:R16 526.62 3.675 2009.0729_2205 179.99 n/a .000
14446 [L/S= 1107.4 / 100 / 035]
14447 [Vmax= 429; Dmax= 425]
14448 R2009:CO057-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14449 ADD HYD 5.0 02:HYD 526.62 3.675 2009.0729_2205 179.99 n/a .000
14450 [CN 59.0; N= 3.00; Tpe= 2.43]
14451 [IAR=24.00; SMIN= 39.75; SMAX=606.70; SK= 100]
14452 [InterEventTime= 24.00]
14453 *****
14454 # T25
14455 *****
14456 R2009:CO058-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14457 ROUTE CHANNEL 5.0 02:R17 526.62 3.675 2009.0729_2205 179.99 n/a .000
14458 [L/S= 1107.4 / 100 / 035]
14459 [Vmax= 429; Dmax= 425]
14460 R2009:CO059-----DtmIn-ID:INVD-----AREAH-OPEARMS-TPeakDate hh:mm-----RVM-R-C-----DMFms
14461 ADD HYD

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14601 *****
14602 *****
14603 *****
14604 # Ottawa International Airport - 19 July 1967 to 01 Nov 2016
14605 R2019:CO0022-----DtmIn-ID:INHYD-----AREAh-QPEARCS=PeakDate,hh:mm-----RvM-R-C-----DWfms
14606 # READ ABS DATA
14607 # filename = YOM 1967-2016.txt
14608 [Start_date=2010.0101; End_date=2010.1231]
14609 [Df= 60.min; Length=440.Hrs; WetHrs= 326; DryHrs= 4114; PTOF= 558.30]
14610 Maximum average rainfall intensities over
14611 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
14612 21.80 36.07 3.40 1.94 1.89 1.45 .96 mm/hr
14613 27.80 32.20 33.20 34.00 40.80 46.60 68.00 69.40 69.40
14614 20100815 20100803 20100804 20100810 20100811 20100816 20100805 20100804 20100805 date
14615 Number of rainfall events per following interval time
14616 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
14617 117 99 90 71 52 42 33 23 16
14618 Number of events with at least the following durations
14619 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
14620 66 39 13 3 0 0 0 0 0
14621 R2019:CO0003-----DtmIn-ID:INHYD-----AREAh-QPEARCS=PeakDate,hh:mm-----RvM-R-C-----DWfms
14622 COMMENTS
14623 [AFInI= 40.00; AFIDky= 8000; AFIDkt= 9907]
14624 [AFInax= 61.92; AFIDay= 14.55; AFIDim= 10]
14625 *****
14626 *****
14627 # Pre-Development Conditions
14628 *****
14629 *****
14630 # EXT3
14631 *****
14632 CONTINUOUS NASHVD 5.0 01:EXT1 60.46 .752 2010.0805 1105 116.95 209 .000
14633 [CN= 51.0; N= 3.00; Tpe= 1.95]
14634 [IAREC=24.00; SMIn= 70.11; SMAX=65.12; EK= 100]
14635 [InterEventTime= 24.00]
14636 *****
14637 # EXT2
14638 *****
14639 R2019:CO0005-----DtmIn-ID:INHYD-----AREAh-QPEARCS=PeakDate,hh:mm-----RvM-R-C-----DWfms
14640 CONTINUOUS NASHVD 5.0 01:EXT2 7.62 .186 2010.0805 0125 130.72 234 .000
14641 [CN= 63.0; N= 3.00; Tpe= 1.48]
14642 [IAREC=24.00; SMIn= 59.42; SMAX=396.11; EK= 100]
14643 [InterEventTime= 24.00]
14644 *****
14645 # EXT3
14646 *****
14647 R2019:CO0006-----DtmIn-ID:INHYD-----AREAh-QPEARCS=PeakDate,hh:mm-----RvM-R-C-----DWfms
14648 CONTINUOUS NASHVD 5.0 01:EXT3 17.96 .280 2010.0805 1100 125.78 225 .000
14649 [CN= 50.0; N= 3.00; Tpe= 1.95]
14650 [IAREC=24.00; SMIn= 70.11; SMAX=467.39; EK= 100]
14651 [InterEventTime= 24.00]
14652 *****
14653 # EXT4
14654 *****
14655 R2019:CO0007-----DtmIn-ID:INHYD-----AREAh-QPEARCS=PeakDate,hh:mm-----RvM-R-C-----DWfms
14656 CONTINUOUS NASHVD 5.0 01:EXT4 .64 .017 2010.0805 0110 114.93 206 .000
14657 [CN= 48.0; N= 3.00; Tpe= .43]
14658 [IAREC=24.00; SMIn=109.74; SMAX=731.60; EK= 100]
14659 [InterEventTime= 24.00]
14660 *****
14661 # EXT5
14662 *****
14663 R2019:CO0008-----DtmIn-ID:INHYD-----AREAh-QPEARCS=PeakDate,hh:mm-----RvM-R-C-----DWfms
14664 CONTINUOUS NASHVD 5.0 01:EXT5 1.55 .047 2010.0805 0105 122.31 219 .000
14665 [CN= 56.0; N= 3.00; Tpe= .44]
14666 [IAREC=24.00; SMIn= 53.14; SMAX=531.24; EK= 100]
14667 [InterEventTime= 24.00]
14668 *****
14669 # M1
14670 *****
14671 R2019:CO0009-----DtmIn-ID:INHYD-----AREAh-QPEARCS=PeakDate,hh:mm-----RvM-R-C-----DWfms
14672 CONTINUOUS NASHVD 5.0 01:M1 111.89 1.687 2010.0805 1100 125.78 225 .000
14673 [CN= 50.0; N= 3.00; Tpe= 1.95]
14674 [IAREC=24.00; SMIn= 70.11; SMAX=467.39; EK= 100]
14675 [InterEventTime= 24.00]
14676 *****
14677 # M2
14678 *****
14679 R2019:CO0010-----DtmIn-ID:INHYD-----AREAh-QPEARCS=PeakDate,hh:mm-----RvM-R-C-----DWfms
14680 CONTINUOUS NASHVD 5.0 01:M2 119.73 .970 2010.0805 2120 119.04 213 .000
14681 [CN= 56.0; N= 3.00; Tpe= 1.48]
14682 [IAREC=24.00; SMIn= 91.01; SMAX=606.70; EK= 100]
14683 [InterEventTime= 24.00]
14684 *****
14685 # M3
14686 *****
14687 R2019:CO0011-----DtmIn-ID:INHYD-----AREAh-QPEARCS=PeakDate,hh:mm-----RvM-R-C-----DWfms
14688 CONTINUOUS NASHVD 5.0 01:M3 39.07 .448 2010.0805 1100 112.98 202 .000
14689 [CN= 50.0; N= 3.00; Tpe= 1.95]
14690 [IAREC=24.00; SMIn=121.19; SMAX=807.93; EK= 100]
14691 [InterEventTime= 24.00]
14692 *****
14693 # M4
14694 *****
14695 R2019:CO0012-----DtmIn-ID:INHYD-----AREAh-QPEARCS=PeakDate,hh:mm-----RvM-R-C-----DWfms
14696 CONTINUOUS NASHVD 5.0 01:M4 50.96 .612 2010.0805 1115 119.04 213 .000
14697 [CN= 53.0; N= 3.00; Tpe= 1.95]
14698 [IAREC=24.00; SMIn= 91.01; SMAX=606.70; EK= 100]
14699 [InterEventTime= 24.00]
14700 *****
14701 # M5
14702 *****
14703 R2019:CO0013-----DtmIn-ID:INHYD-----AREAh-QPEARCS=PeakDate,hh:mm-----RvM-R-C-----DWfms
14704 CONTINUOUS NASHVD 5.0 01:M5 25.62 .387 2010.0805 1110 129.45 232 .000
14705 [CN= 62.0; N= 3.00; Tpe= 1.83]
14706 [IAREC=24.00; SMIn= 80.81; SMAX=412.66; EK= 100]
14707 [InterEventTime= 24.00]
14708 *****
14709 # M7
14710 *****
14711 R2019:CO0015-----DtmIn-ID:INHYD-----AREAh-QPEARCS=PeakDate,hh:mm-----RvM-R-C-----DWfms
14712 CONTINUOUS NASHVD 5.0 01:M7 47.26 .731 2010.0805 1130 153.38 275 .000
14713 [CN= 70.0; N= 3.00; Tpe= .87]
14714 [IAREC=24.00; SMIn= 33.81; SMAX=225.43; EK= 100]
14715 [InterEventTime= 24.00]
14716 *****
14717 # M8
14718 *****
14719 R2019:CO0016-----DtmIn-ID:INHYD-----AREAh-QPEARCS=PeakDate,hh:mm-----RvM-R-C-----DWfms
14720 CONTINUOUS NASHVD 5.0 01:M8 14.26 .378 2010.0805 0135 159.60 286 .000
14721 [CN= 70.0; N= 3.00; Tpe= 1.13]
14722 [IAREC=24.00; SMIn= 29.88; SMAX=199.22; EK= 100]
14723 [InterEventTime= 24.00]
14724 *****
14725 # SITE
14726 *****
14727 R2019:CO0017-----DtmIn-ID:INHYD-----AREAh-QPEARCS=PeakDate,hh:mm-----RvM-R-C-----DWfms
14728 CONTINUOUS STANDRD 5.0 01:SITE 60.48 3.239 2010.0805 3903 363.76 234 .000
14729 [XMP= 65; TMRP= 65]
14730 [Hurtm parameters] F= 76.20; F= 13.20; DCA= 4.14; F= .00]
14731 [Previous area Iapex= 4.67; SLFF= 2.00; IGP= 0.0; MFP= 250; SFC= 0]
14732 [Impervious area Iapex= 1.57; SLFF= 2.00; IGP= 635.0; MFI= 0.13; SFC= 0]
14733 [IAREC= 10.00; IARMP= 24.00]
14734 *****
14735 # T1
14736 *****
14737 R2019:CO0019-----DtmIn-ID:INHYD-----AREAh-QPEARCS=PeakDate,hh:mm-----RvM-R-C-----DWfms
14738 CONTINUOUS NASHVD 5.0 01:T1 79.25 1.485 2010.0805 1100 142.06 234 .000
14739 [CN= 70.0; N= 3.00; Tpe= 1.64]
14740 [IAREC=24.00; SMIn= 79.69; SMAX=287.10; EK= 100]
14741 [InterEventTime= 24.00]
14742 *****
14743 # T2
14744 *****
14745 R2019:CO0020-----DtmIn-ID:INHYD-----AREAh-QPEARCS=PeakDate,hh:mm-----RvM-R-C-----DWfms
14746 CONTINUOUS NASHVD 5.0 01:T2 109.81 1.596 2010.0805 1135 145.66 261 .000
14747 [CN= 72.0; N= 3.00; Tpe= 2.34]
14748 [IAREC=24.00; SMIn= 88.75; SMAX=264.99; EK= 100]
14749 [InterEventTime= 24.00]
14750 *****
14751 # T3
14752 *****
14753 R2019:CO0021-----DtmIn-ID:INHYD-----AREAh-QPEARCS=PeakDate,hh:mm-----RvM-R-C-----DWfms
14754 CONTINUOUS NASHVD 5.0 01:T3 12.05 .338 2010.0805 0125 142.06 254 .000
14755 [CN= 70.0; N= 3.00; Tpe= 1.13]
14756 [IAREC=24.00; SMIn= 43.07; SMAX=287.10; EK= 100]
14757 [InterEventTime= 24.00]
14758 *****
14759 # T4
14760 *****
14761 R2019:CO0022-----DtmIn-ID:INHYD-----AREAh-QPEARCS=PeakDate,hh:mm-----RvM-R-C-----DWfms
14762 CONTINUOUS NASHVD 5.0 01:T4 65.89 1.200 2010.0805 1105 145.66 261 .000
14763 [CN= 72.0; N= 3.00; Tpe= 3.76]
14764 *****
14765 *****
14766 *****
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14770 *****
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14999 *****
15000 *****

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151213 [APIIn: 40.00; APIKey: 8000; APIExt: 9907]
151213 [APIExt: 40.00; APIKey: 13.82; APIExt: 59]
151213 *****
151240 # Fee-Development Conditions
151240 *****
151240 # EXT2
151240 *****
151288 # EXT1
151288 *****
151288 R2013C00004-----DtmIn-ID:HYD-----AREAbA-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfMS
151289 CONTINUOUS NASHYD 5.0 01:EXT1 60.46 .471 2013.0719_23:30 99.53 184 .000
151290 [C# 59.0; Nm 3.00; Tpe 1.79]
151290 [IAREC=24.00; SMIN= 99.77; SMAX=665.12; EK= 100]
151290 [InterEventTime: 24.00]
151290 *****
151330 # EXT2
151330 *****
151330 R2013C00005-----DtmIn-ID:HYD-----AREAbA-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfMS
151331 CONTINUOUS NASHYD 5.0 01:EXT1 7.62 .130 2013.0719_22:35 116.06 214 .000
151332 [C# 61.0; Nm 3.00; Tpe 1.79]
151332 [IAREC=24.00; SMIN= 59.42; SMAX=396.11; EK= 100]
151332 [InterEventTime: 24.00]
151332 *****
151430 # EXT1
151430 *****
151430 R2013C00006-----DtmIn-ID:HYD-----AREAbA-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfMS
151431 CONTINUOUS NASHYD 5.0 01:EXT1 17.96 .187 2013.0719_23:20 110.20 203 .000
151432 [C# 59.0; Nm 3.00; Tpe 1.64]
151432 [IAREC=24.00; SMIN= 70.11; SMAX=467.39; EK= 100]
151432 [InterEventTime: 24.00]
151432 *****
151520 # EXT1
151520 *****
151520 R2013C00007-----DtmIn-ID:HYD-----AREAbA-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfMS
151521 CONTINUOUS NASHYD 5.0 01:EXT1 39.04 .011 2013.0522_23:15 97.04 179 .000
151522 [C# 48.0; Nm 3.00; Tpe 1.43]
151522 [IAREC=24.00; SMIN=19.74; SMAX=731.60; EK= 100]
151522 [InterEventTime: 24.00]
151522 *****
151590 # EXT1
151590 *****
151590 R2013C00008-----DtmIn-ID:HYD-----AREAbA-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfMS
151591 CONTINUOUS NASHYD 5.0 01:EXT1 111.89 1.129 2013.0719_23:25 110.20 203 .000
151592 [C# 59.0; Nm 3.00; Tpe 1.71]
151592 [IAREC=24.00; SMIN= 70.11; SMAX=467.39; EK= 100]
151592 [InterEventTime: 24.00]
151592 *****
151760 # M2
151760 *****
151760 R2013C00010-----DtmIn-ID:HYD-----AREAbA-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfMS
151761 CONTINUOUS NASHYD 5.0 01:EXT1 119.73 .614 2013.0720_01:50 102.08 188 .000
151762 [C# 59.0; Nm 3.00; Tpe 1.79]
151762 [IAREC=24.00; SMIN= 91.01; SMAX=606.70; EK= 100]
151762 [InterEventTime: 24.00]
151762 *****
151820 # M5
151820 *****
151820 R2013C00011-----DtmIn-ID:HYD-----AREAbA-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfMS
151821 CONTINUOUS NASHYD 5.0 01:EXT1 39.07 .272 2013.0719_23:25 94.03 179 .000
151822 [C# 46.0; Nm 3.00; Tpe 1.68]
151822 [IAREC=24.00; SMIN=125.19; SMAX=807.93; EK= 100]
151822 [InterEventTime: 24.00]
151822 *****
151980 # M6
151980 *****
151980 R2013C00012-----DtmIn-ID:HYD-----AREAbA-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfMS
151981 CONTINUOUS NASHYD 5.0 01:EXT1 50.96 .489 2013.0719_23:40 102.08 188 .000
151982 [C# 53.0; Nm 3.00; Tpe 1.95]
151982 [IAREC=24.00; SMIN= 91.01; SMAX=606.70; EK= 100]
151982 [InterEventTime: 24.00]
151982 *****
152020 # M5
152020 *****
152020 R2013C00013-----DtmIn-ID:HYD-----AREAbA-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfMS
152021 CONTINUOUS NASHYD 5.0 01:EXT1 56.26 .445 2013.0719_23:50 106.05 196 .000
152022 [C# 56.0; Nm 3.00; Tpe 2.09]
152022 [IAREC=24.00; SMIN= 61.65; SMAX=531.24; EK= 100]
152022 [InterEventTime: 24.00]
152022 *****
152080 # M6
152080 *****
152080 R2013C00014-----DtmIn-ID:HYD-----AREAbA-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfMS
152081 CONTINUOUS NASHYD 5.0 01:EXT1 25.62 .265 2013.0719_23:35 114.56 211 .000
152082 [C# 61.0; Nm 3.00; Tpe 1.81]
152082 [IAREC=24.00; SMIN= 61.90; SMAX=412.66; EK= 100]
152082 [InterEventTime: 24.00]
152082 *****
152140 # M7
152140 *****
152140 R2013C00015-----DtmIn-ID:HYD-----AREAbA-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfMS
152141 CONTINUOUS NASHYD 5.0 01:EXT1 47.26 .568 2013.0719_23:55 140.35 259 .000
152142 [C# 71.0; Nm 3.00; Tpe 1.49]
152142 [IAREC=24.00; SMIN= 33.81; SMAX=225.43; EK= 100]
152142 [InterEventTime: 24.00]
152142 *****
152220 # M8
152220 *****
152220 R2013C00016-----DtmIn-ID:HYD-----AREAbA-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfMS
152221 CONTINUOUS NASHYD 5.0 01:EXT1 24.24 .467 2013.0719_23:45 134.60 248 .000
152222 [C# 73.0; Nm 3.00; Tpe 1.13]
152222 [IAREC=24.00; SMIN= 29.88; SMAX=199.22; EK= 100]
152222 [InterEventTime: 24.00]
152222 *****
152320 # M9
152320 *****
152320 R2013C00017-----DtmIn-ID:HYD-----AREAbA-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfMS
152321 CONTINUOUS NASHYD 5.0 01:EXT1 24.24 .467 2013.0719_23:45 134.60 248 .000
152322 [C# 73.0; Nm 3.00; Tpe 1.13]
152322 [IAREC=24.00; SMIN= 29.88; SMAX=199.22; EK= 100]
152322 [InterEventTime: 24.00]
152322 *****
152420 # SITE
152420 *****
152420 R2013C00018-----DtmIn-ID:HYD-----AREAbA-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfMS
152421 CONTINUOUS STANDBY 5.0 01:SITE 60.48 2.491 2013.0719_21:00 284.15 154 .000
152422 [XPM= 65; ITHM= 65]
152422 [MOTION parameters: Fw 76.20; Pw 13.20; ICD4=4.14; Fw 0]
152422 [Previous area: IAREC=4.67; ITHM=2.00; ITHM= 250; ITHM= 0]
152422 [IAREC= 4.67; ITHM= 2.00; ITHM= 250; ITHM= 0]
152422 [IAREC= 10.00; IAREC= 24.00]
152422 *****
152520 # T1
152520 *****
152520 R2013C00019-----DtmIn-ID:HYD-----AREAbA-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfMS
152521 CONTINUOUS NASHYD 5.0 01:T1 79.25 1.102 2013.0719_23:20 129.16 238 .000
152522 [C# 70.0; Nm 3.00; Tpe 1.64]
152522 [IAREC=24.00; SMIN= 70.11; SMAX=287.10; EK= 100]
152522 [InterEventTime: 24.00]
152522 *****
152580 # T2
152580 *****
152580 R2013C00020-----DtmIn-ID:HYD-----AREAbA-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfMS
152581 CONTINUOUS NASHYD 5.0 01:T2 109.81 1.196 2013.0720_01:50 132.76 245 .000
152582 [C# 72.0; Nm 3.00; Tpe 2.04]
152582 [IAREC=24.00; SMIN= 39.75; SMAX=264.99; EK= 100]
152582 [InterEventTime: 24.00]
152582 *****
152660 # T3
152660 *****
152660 R2013C00021-----DtmIn-ID:HYD-----AREAbA-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfMS
152661 CONTINUOUS NASHYD 5.0 01:T3 12.05 .257 2013.0719_22:30 129.16 238 .000
152662 [C# 70.0; Nm 3.00; Tpe 1.81]
152662 [IAREC=24.00; SMIN= 43.07; SMAX=287.10; EK= 100]
152662 [InterEventTime: 24.00]
152662 *****
152720 # T4
152720 *****
152720 R2013C00022-----DtmIn-ID:HYD-----AREAbA-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfMS
152721 CONTINUOUS NASHYD 5.0 01:T4 65.89 .906 2013.0719_23:25 132.76 245 .000
152722 [C# 72.0; Nm 3.00; Tpe 1.76]
152722 [IAREC=24.00; SMIN= 39.75; SMAX=264.99; EK= 100]
152722 [InterEventTime: 24.00]
152722 *****
152820 # T5
152820 *****
152820 R2013C00023-----DtmIn-ID:HYD-----AREAbA-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfMS
152821 CONTINUOUS NASHYD 5.0 01:T5 171.81 1.207 2013.0720_04:50 137.59 217 .000
152822 [C# 64.0; Nm 3.00; Tpe 1.07]
152822 [IAREC=24.00; SMIN= 38.30; EK= 100]
152822 [InterEventTime: 24.00]
152822 *****
152900 # T6
152900 *****
152900 R2013C00024-----DtmIn-ID:HYD-----AREAbA-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfMS
152901 CONTINUOUS NASHYD 5.0 01:T6 60.20 .597 2013.0720_01:50 144.38 266 .000
152902 [C# 71.0; Nm 3.00; Tpe 2.98]
152902 [IAREC=24.00; SMIN= 31.00; SMAX=207.66; EK= 100]
152902 [InterEventTime: 24.00]
152902 *****
152970 # EXT1
152970 *****
152970 R2013C00025-----DtmIn-ID:HYD-----AREAbA-QFEARgs-TpeakDate hh:mm-----RvM-R-C-----DWfMS
152971 CONTINUOUS NASHYD 5.0 01:EXT1 60.46 .471 2013.0720_01:50 110.20 203 .000
152972 [APIIn: 40.00; APIKey: 8000; APIExt: 9907]
152972 [APIExt: 40.00; APIKey: 13.82; APIExt: 59]
152972 *****

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154811 [Cm 51.0: N= 3.00: Tpe = 1.75]
154812 [IARE=24.00: SMIN= 73.71: SMAX=665.12: SK= 100]
154813 [InterEventTime= 24.00]
154814 *****
154815 # EXT3
154816 *****
154817 R2014:C00008-----DtmIn-ID:HNVD-----AREAh-QPEARqns-TPeakDate hh:mm-----RvM-R-C-----DWfms
154818 CONTINUOUS NASHYD 5.0 01:EXT2 7.62 .151 2014.0625 2145 158.55 241 .000
154819 [Cm 61.0: N= 3.00: Tpe = .92]
154820 [IARE=24.00: SMIN= 42.41: SMAX=396.11: SK= 100]
154821 [InterEventTime= 24.00]
154822 *****
154823 # EXT3
154824 *****
154825 R2014:C00006-----DtmIn-ID:HNVD-----AREAh-QPEARqns-TPeakDate hh:mm-----RvM-R-C-----DWfms
154826 CONTINUOUS NASHYD 5.0 01:EXT3 17.96 .232 2014.0625 3130 150.90 229 .000
154827 [Cm 19.0: N= 3.00: Tpe = 1.64]
154828 [IARE=24.00: SMIN= 70.11: SMAX=467.39: SK= 100]
154829 [InterEventTime= 24.00]
154830 *****
154831 # EXT4
154832 *****
154833 R2014:C00007-----DtmIn-ID:HNVD-----AREAh-QPEARqns-TPeakDate hh:mm-----RvM-R-C-----DWfms
154834 CONTINUOUS NASHYD 5.0 01:EXT4 .64 .013 2014.0625 2115 133.44 203 .000
154835 [Cm 48.0: N= 3.00: Tpe = 1.68]
154836 [IARE=24.00: SMIN=109.74: SMAX=731.60: SK= 100]
154837 [InterEventTime= 24.00]
154838 *****
154839 # EXT4
154840 *****
154841 R2014:C00008-----DtmIn-ID:HNVD-----AREAh-QPEARqns-TPeakDate hh:mm-----RvM-R-C-----DWfms
154842 CONTINUOUS NASHYD 5.0 01:EXT2 1.55 .038 2014.0625 2115 145.43 221 .000
154843 [Cm 56.0: N= 3.00: Tpe = .44]
154844 [IARE=24.00: SMIN= 79.69: SMAX=531.24: SK= 100]
154845 [InterEventTime= 24.00]
154846 *****
154847 # M
154848 *****
154849 R2014:C00009-----DtmIn-ID:HNVD-----AREAh-QPEARqns-TPeakDate hh:mm-----RvM-R-C-----DWfms
154850 CONTINUOUS NASHYD 5.0 01:EXT1 111.89 1.405 2014.0625 3135 150.90 229 .000
154851 [Cm 59.0: N= 3.00: Tpe = 1.71]
154852 [IARE=24.00: SMIN= 111.89: SMAX=467.39: SK= 100]
154853 [InterEventTime= 24.00]
154854 *****
154855 # M
154856 *****
154857 R2014:C00010-----DtmIn-ID:HNVD-----AREAh-QPEARqns-TPeakDate hh:mm-----RvM-R-C-----DWfms
154858 CONTINUOUS NASHYD 5.0 01:EXT2 119.73 .835 2014.0625 4150 140.17 213 .000
154859 [Cm 61.0: N= 3.00: Tpe = 3.12]
154860 [IARE=24.00: SMIN= 41.92: SMAX=666.70: SK= 100]
154861 [InterEventTime= 24.00]
154862 *****
154863 # M
154864 *****
154865 R2014:C00011-----DtmIn-ID:HNVD-----AREAh-QPEARqns-TPeakDate hh:mm-----RvM-R-C-----DWfms
154866 CONTINUOUS NASHYD 5.0 01:EXT3 39.07 .361 2014.0625 3135 130.39 198 .000
154867 [Cm 19.0: N= 3.00: Tpe = 1.68]
154868 [IARE=24.00: SMIN=121.19: SMAX=807.93: SK= 100]
154869 [InterEventTime= 24.00]
154870 *****
154871 # M
154872 *****
154873 R2014:C00009-----DtmIn-ID:HNVD-----AREAh-QPEARqns-TPeakDate hh:mm-----RvM-R-C-----DWfms
154874 CONTINUOUS NASHYD 5.0 01:EXT2 56.26 .572 2014.0625 3155 145.43 221 .000
154875 [Cm 56.0: N= 3.00: Tpe = 2.09]
154876 [IARE=24.00: SMIN= 79.69: SMAX=531.24: SK= 100]
154877 [InterEventTime= 24.00]
154878 *****
154879 # M
154880 *****
154881 R2014:C00012-----DtmIn-ID:HNVD-----AREAh-QPEARqns-TPeakDate hh:mm-----RvM-R-C-----DWfms
154882 CONTINUOUS NASHYD 5.0 01:EXT4 50.96 .505 2014.0625 3145 140.17 213 .000
154883 [Cm 19.0: N= 3.00: Tpe = 1.95]
154884 [IARE=24.00: SMIN= 91.01: SMAX=666.70: SK= 100]
154885 [InterEventTime= 24.00]
154886 *****
154887 # M
154888 *****
154889 R2014:C00013-----DtmIn-ID:HNVD-----AREAh-QPEARqns-TPeakDate hh:mm-----RvM-R-C-----DWfms
154890 CONTINUOUS NASHYD 5.0 01:EXT2 56.26 .572 2014.0625 3155 145.43 221 .000
154891 [Cm 56.0: N= 3.00: Tpe = 2.09]
154892 [IARE=24.00: SMIN= 79.69: SMAX=531.24: SK= 100]
154893 [InterEventTime= 24.00]
154894 *****
154895 # M
154896 *****
154897 R2014:C00014-----DtmIn-ID:HNVD-----AREAh-QPEARqns-TPeakDate hh:mm-----RvM-R-C-----DWfms
154898 CONTINUOUS NASHYD 5.0 01:EXT3 47.26 .653 2014.0625 4100 189.43 288 .000
154899 [Cm 75.0: N= 3.00: Tpe = 2.29]
154900 [IARE=24.00: SMIN= 47.26: SMAX=225.43: SK= 100]
154901 [InterEventTime= 24.00]
154902 *****
154903 # M
154904 *****
154905 R2014:C00015-----DtmIn-ID:HNVD-----AREAh-QPEARqns-TPeakDate hh:mm-----RvM-R-C-----DWfms
154906 CONTINUOUS NASHYD 5.0 01:EXT2 47.26 .653 2014.0625 4100 189.43 288 .000
154907 [Cm 75.0: N= 3.00: Tpe = 2.29]
154908 [IARE=24.00: SMIN= 47.26: SMAX=225.43: SK= 100]
154909 [InterEventTime= 24.00]
154910 *****
154911 # M
154912 *****
154913 R2014:C00016-----DtmIn-ID:HNVD-----AREAh-QPEARqns-TPeakDate hh:mm-----RvM-R-C-----DWfms
154914 CONTINUOUS NASHYD 5.0 01:EXT2 14.26 .324 2014.0625 3100 197.27 300 .000
154915 [Cm 72.0: N= 3.00: Tpe = 1.31]
154916 [IARE=24.00: SMIN= 29.18: SMAX=199.22: SK= 100]
154917 [InterEventTime= 24.00]
154918 *****
154919 # M
154920 *****
154921 R2014:C00017-----DtmIn-ID:HNVD-----AREAh-QPEARqns-TPeakDate hh:mm-----RvM-R-C-----DWfms
154922 CONTINUOUS NASHYD 5.0 01:EXT2 24.24 .511 2014.0625 3100 182.18 277 .000
154923 [Cm 72.0: N= 3.00: Tpe = 1.31]
154924 [IARE=24.00: SMIN= 38.18: SMAX=254.55: SK= 100]
154925 [InterEventTime= 24.00]
154926 *****
154927 # M
154928 *****
154929 R2014:C00018-----DtmIn-ID:HNVD-----AREAh-QPEARqns-TPeakDate hh:mm-----RvM-R-C-----DWfms
154930 CONTINUOUS NASHYD 5.0 01:EXT2 24.24 .511 2014.0625 3100 182.18 277 .000
154931 [Cm 72.0: N= 3.00: Tpe = 1.31]
154932 [IARE=24.00: SMIN= 38.18: SMAX=254.55: SK= 100]
154933 [InterEventTime= 24.00]
154934 *****
154935 # M
154936 *****
154937 R2014:C00019-----DtmIn-ID:HNVD-----AREAh-QPEARqns-TPeakDate hh:mm-----RvM-R-C-----DWfms
154938 CONTINUOUS NASHYD 5.0 01:EXT2 12.05 .282 2014.0625 2140 175.30 266 .000
154939 [Cm 70.0: N= 3.00: Tpe = .87]
154940 [IARE=24.00: SMIN= 73.07: SMAX=287.10: SK= 100]
154941 [InterEventTime= 24.00]
154942 *****
154943 # M
154944 *****
154945 R2014:C00020-----DtmIn-ID:HNVD-----AREAh-QPEARqns-TPeakDate hh:mm-----RvM-R-C-----DWfms
154946 CONTINUOUS NASHYD 5.0 01:EXT4 65.89 1.039 2014.0625 3135 179.85 275 .000
154947 [Cm 72.0: N= 3.00: Tpe = 1.78]
154948 [IARE=24.00: SMIN= 39.73: SMAX=264.99: SK= 100]
154949 [InterEventTime= 24.00]
154950 *****
154951 # M
154952 *****
154953 R2014:C00021-----DtmIn-ID:HNVD-----AREAh-QPEARqns-TPeakDate hh:mm-----RvM-R-C-----DWfms
154954 CONTINUOUS NASHYD 5.0 01:EXT2 171.81 1.552 2014.0625 4145 160.53 244 .000
154955 [Cm 72.0: N= 3.00: Tpe = 1.07]
154956 [IARE=24.00: SMIN= 57.05: SMAX=380.32: SK= 100]
154957 [InterEventTime= 24.00]
154958 *****
154959 # M
154960 *****
154961 R2014:C00022-----DtmIn-ID:HNVD-----AREAh-QPEARqns-TPeakDate hh:mm-----RvM-R-C-----DWfms
154962 CONTINUOUS NASHYD 5.0 01:EXT2 68.90 .908 2014.0625 4200 179.85 275 .000
154963 [Cm 77.0: N= 3.00: Tpe = 2.98]
154964 [IARE=24.00: SMIN= 31.15: SMAX=207.66: SK= 100]
154965 [InterEventTime= 24.00]
154966 *****
154967 # M
154968 *****
154969 R2014:C00023-----DtmIn-ID:HNVD-----AREAh-QPEARqns-TPeakDate hh:mm-----RvM-R-C-----DWfms
154970 CONTINUOUS NASHYD 5.0 01:EXT1 60.46 .312 2015.0811 12:50 65.96 155 .000
154971 [Cm 61.0: N= 3.00: Tpe = 2.63]
154972 [IARE=24.00: SMIN= 59.77: SMAX=264.99: SK= 100]
154973 [InterEventTime= 24.00]
154974 *****
154975 # M
154976 *****
154977 R2014:C00024-----DtmIn-ID:HNVD-----AREAh-QPEARqns-TPeakDate hh:mm-----RvM-R-C-----DWfms
154978 CONTINUOUS NASHYD 5.0 01:EXT2 171.81 1.552 2014.0625 4145 160.53 244 .000
154979 [Cm 61.0: N= 3.00: Tpe = 1.07]
154980 [IARE=24.00: SMIN= 57.05: SMAX=380.32: SK= 100]
154981 [InterEventTime= 24.00]
154982 *****
154983 # M
154984 *****
154985 R2014:C00025-----DtmIn-ID:HNVD-----AREAh-QPEARqns-TPeakDate hh:mm-----RvM-R-C-----DWfms
154986 CONTINUOUS NASHYD 5.0 01:EXT1 60.46 .312 2015.0811 12:50 65.96 155 .000
154987 [Cm 61.0: N= 3.00: Tpe = .92]
154988 [IARE=24.00: SMIN= 59.42: SMAX=396.11: SK= 100]
154989 [InterEventTime= 24.00]
154990 *****

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158411 *****
158420 # EXT3
158430 *****
158440 R2015C00006-----DtmIn-ID:INHYD-----AREAb-QPEARms-TPeakDate hh:mm-----RvMm-R.C-----DMFms
158450 CONTINUOUS NASHVD 5.0 01:EXT3 37.96 .125 2015.0811.13:40 31.68 1468 .000
158460 [Cm 59.0; Nv 3.00; Tm 1.64]
158470 [IaREC=24.00; SMINH 70.11; SMAX=467.39; EK= 100]
158480 [InterEventTime 24.00]
158490 *****
158500 # EXT4
158510 *****
158520 R2015C00007-----DtmIn-ID:INHYD-----AREAb-QPEARms-TPeakDate hh:mm-----RvMm-R.C-----DMFms
158530 CONTINUOUS NASHVD 5.0 01:EXT4 .64 .008 2015.0811.11:20 64.65 1152 .000
158540 [Cm 41.0; Nv 3.00; Tm .43]
158550 [IaREC=24.00; SMINH121.15; SMAX=731.60; EK= 100]
158560 [InterEventTime 24.00]
158570 *****
158580 # EXT5
158590 *****
158600 R2015C00008-----DtmIn-ID:INHYD-----AREAb-QPEARms-TPeakDate hh:mm-----RvMm-R.C-----DMFms
158610 CONTINUOUS NASHVD 5.0 01:EXT5 1.55 .023 2015.0811.11:20 69.44 1163 .000
158620 [Cm 56.0; Nv 3.00; Tm .44]
158630 [IaREC=24.00; SMINH 79.69; SMAX=531.24; EK= 100]
158640 [InterEventTime 24.00]
158650 *****
158660 # M1
158670 *****
158680 R2015C00009-----DtmIn-ID:INHYD-----AREAb-QPEARms-TPeakDate hh:mm-----RvMm-R.C-----DMFms
158690 CONTINUOUS NASHVD 5.0 01:M1 111.89 .755 2015.0811.12:45 71.68 1168 .000
158700 [Cm 53.0; Nv 3.00; Tm 1.73]
158710 [IaREC=24.00; SMINH 70.11; SMAX=467.39; EK= 100]
158720 [InterEventTime 24.00]
158730 *****
158740 # M2
158750 *****
158760 R2015C00010-----DtmIn-ID:INHYD-----AREAb-QPEARms-TPeakDate hh:mm-----RvMm-R.C-----DMFms
158770 CONTINUOUS NASHVD 5.0 01:M2 119.73 .423 2015.0811.14:05 67.32 1158 .000
158780 [Cm 53.0; Nv 3.00; Tm 1.12]
158790 [IaREC=24.00; SMINH 91.01; SMAX=606.70; EK= 100]
158800 [InterEventTime 24.00]
158810 *****
158820 # M3
158830 *****
158840 R2015C00011-----DtmIn-ID:INHYD-----AREAb-QPEARms-TPeakDate hh:mm-----RvMm-R.C-----DMFms
158850 CONTINUOUS NASHVD 5.0 01:M3 39.05 .178 2015.0811.13:45 63.37 1148 .000
158860 [Cm 46.0; Nv 3.00; Tm 1.68]
158870 [IaREC=24.00; SMINH 91.01; SMAX=807.93; EK= 100]
158880 [InterEventTime 24.00]
158890 *****
158900 # M4
158910 *****
158920 R2015C00012-----DtmIn-ID:INHYD-----AREAb-QPEARms-TPeakDate hh:mm-----RvMm-R.C-----DMFms
158930 CONTINUOUS NASHVD 5.0 01:M4 50.96 .260 2015.0811.13:00 67.32 1158 .000
158940 [Cm 51.0; Nv 3.00; Tm 1.95]
158950 [IaREC=24.00; SMINH 91.01; SMAX=606.70; EK= 100]
158960 [InterEventTime 24.00]
158970 *****
158980 # M5
158990 *****
159000 R2015C00013-----DtmIn-ID:INHYD-----AREAb-QPEARms-TPeakDate hh:mm-----RvMm-R.C-----DMFms
159010 CONTINUOUS NASHVD 5.0 01:M5 56.26 .300 2015.0811.13:10 69.44 1163 .000
159020 [Cm 52.0; Nv 3.00; Tm 1.83]
159030 [IaREC=24.00; SMINH 79.69; SMAX=531.24; EK= 100]
159040 [InterEventTime 24.00]
159050 *****
159060 # M6
159070 *****
159080 R2015C00014-----DtmIn-ID:INHYD-----AREAb-QPEARms-TPeakDate hh:mm-----RvMm-R.C-----DMFms
159090 CONTINUOUS NASHVD 5.0 01:M6 25.62 .179 2015.0811.12:50 74.05 1174 .000
159100 [Cm 62.0; Nv 3.00; Tm 1.83]
159110 [IaREC=24.00; SMINH 61.90; SMAX=412.66; EK= 100]
159120 [InterEventTime 24.00]
159130 *****
159140 # M7
159150 *****
159160 R2015C00015-----DtmIn-ID:INHYD-----AREAb-QPEARms-TPeakDate hh:mm-----RvMm-R.C-----DMFms
159170 CONTINUOUS NASHVD 5.0 01:M7 47.26 .195 2015.0811.13:15 68.38 1208 .000
159180 [Cm 75.0; Nv 3.00; Tm 2.29]
159190 [IaREC=24.00; SMINH 33.81; SMAX=225.43; EK= 100]
159200 [InterEventTime 24.00]
159210 *****
159220 # M8
159230 *****
159240 R2015C00016-----DtmIn-ID:INHYD-----AREAb-QPEARms-TPeakDate hh:mm-----RvMm-R.C-----DMFms
159250 CONTINUOUS NASHVD 5.0 01:M8 44.05 .098 2015.0811.13:05 81.98 1216 .000
159260 [Cm 78.0; Nv 3.00; Tm 1.13]
159270 [IaREC=24.00; SMINH 29.81; SMAX=199.22; EK= 100]
159280 [InterEventTime 24.00]
159290 *****
159300 # M9
159310 *****
159320 R2015C00017-----DtmIn-ID:INHYD-----AREAb-QPEARms-TPeakDate hh:mm-----RvMm-R.C-----DMFms
159330 CONTINUOUS NASHVD 5.0 01:M9 24.24 .313 2015.0811.12:05 85.07 1200 .000
159340 [Cm 71.0; Nv 3.00; Tm 1.13]
159350 [IaREC=24.00; SMINH 39.18; SMAX=254.55; EK= 100]
159360 [InterEventTime 24.00]
159370 *****
159380 # SITE
159390 *****
159400 R2015C00018-----DtmIn-ID:INHYD-----AREAb-QPEARms-TPeakDate hh:mm-----RvMm-R.C-----DMFms
159410 CONTINUOUS STANHYD 5.0 01:SITE 60.48 1.617 2015.0811.11:00 219.75 516 .000
159420 [XINH=100]
159430 [Nortn parameters: Fm 76.20; Fm 13.20; DCAV4.14; Fm .00]
159440 [Horvntn area: IAPers 4.67; IAPRF 2.00; IAPW 40.0; SMN 250; RCFM .0]
159450 [InterArea area: IAPRF 2.00; IAPW 40.0; SMN 250; RCFM .0]
159460 [IaRCLm 10.00; IaRCP 24.00]
159470 [InterEventTime 24.00]
159480 *****
159490 # T1
159500 *****
159510 R2015C00019-----DtmIn-ID:INHYD-----AREAb-QPEARms-TPeakDate hh:mm-----RvMm-R.C-----DMFms
159520 CONTINUOUS NASHVD 5.0 01:T1 79.25 .747 2015.0811.12:35 82.02 1193 .000
159530 [Cm 71.0; Nv 3.00; Tm 1.64]
159540 [IaREC=24.00; SMINH 43.07; SMAX=287.10; EK= 100]
159550 [InterEventTime 24.00]
159560 *****
159570 # T2
159580 *****
159590 R2015C00020-----DtmIn-ID:INHYD-----AREAb-QPEARms-TPeakDate hh:mm-----RvMm-R.C-----DMFms
159600 CONTINUOUS NASHVD 5.0 01:T2 109.81 .829 2015.0811.13:20 84.03 1197 .000
159610 [Cm 72.0; Nv 3.00; Tm 2.98]
159620 [IaREC=24.00; SMINH 39.75; SMAX=264.99; EK= 100]
159630 [InterEventTime 24.00]
159640 *****
159650 # T3
159660 *****
159670 R2015C00021-----DtmIn-ID:INHYD-----AREAb-QPEARms-TPeakDate hh:mm-----RvMm-R.C-----DMFms
159680 CONTINUOUS NASHVD 5.0 01:T3 12.05 .172 2015.0811.11:45 82.02 1193 .000
159690 [Cm 70.0; Nv 3.00; Tm .87]
159700 [IaREC=24.00; SMINH 43.07; SMAX=287.10; EK= 100]
159710 [InterEventTime 24.00]
159720 *****
159730 # T4
159740 *****
159750 R2015C00022-----DtmIn-ID:INHYD-----AREAb-QPEARms-TPeakDate hh:mm-----RvMm-R.C-----DMFms
159760 CONTINUOUS NASHVD 5.0 01:T4 85.89 .417 2015.0811.13:45 84.03 1197 .000
159770 [Cm 72.0; Nv 3.00; Tm 1.76]
159780 [IaREC=24.00; SMINH 39.75; SMAX=264.99; EK= 100]
159790 [InterEventTime 24.00]
159800 *****
159810 # T5
159820 *****
159830 R2015C00023-----DtmIn-ID:INHYD-----AREAb-QPEARms-TPeakDate hh:mm-----RvMm-R.C-----DMFms
159840 CONTINUOUS NASHVD 5.0 01:T5 171.81 .842 2015.0811.14:00 75.70 1178 .000
159850 [Cm 41.0; Nv 3.00; Tm 3.07]
159860 [IaREC=24.00; SMINH 51.0; SMAX=380.32; EK= 100]
159870 [InterEventTime 24.00]
159880 *****
159890 # T6
159900 *****
159910 R2015C00024-----DtmIn-ID:INHYD-----AREAb-QPEARms-TPeakDate hh:mm-----RvMm-R.C-----DMFms
159920 CONTINUOUS NASHVD 5.0 01:T6 60.20 .425 2015.0811.13:55 90.75 213 .000
159930 [Cm 71.0; Nv 3.00; Tm 2.98]
159940 [IaREC=24.00; SMINH 31.15; SMAX=207.66; EK= 100]
159950 [InterEventTime 24.00]
159960 *****
159970 # T7
159980 *****
159990 R2015C00025-----DtmIn-ID:INHYD-----AREAb-QPEARms-TPeakDate hh:mm-----RvMm-R.C-----DMFms
160000 CONTINUOUS NASHVD 5.0 01:T7 68.50 .472 2015.0811.13:35 84.03 1197 .000
160010 [Cm 72.0; Nv 3.00; Tm 1.43]
160020 [IaREC=24.00; SMINH 39.75; SMAX=264.99; EK= 100]
160030 [InterEventTime 24.00]
160040 *****
160050 R2015C00026-----DtmIn-ID:INHYD-----AREAb-QPEARms-TPeakDate hh:mm-----RvMm-R.C-----DMFms
160060 ROUTE CHANNEL 5.0 01:R1 111.89 .504 2015.0811.14:00 71.68 n/a .000
160070 [RDF 5.00 out< 5.0 01:R1]
160080 [IaR 5.00; Nv 3.00; Tm 1.68]
160090 [Vmax = 310; Dmax = .98]
160100 *****
160110 R2015C00027-----DtmIn-ID:INHYD-----AREAb-QPEARms-TPeakDate hh:mm-----RvMm-R.C-----DMFms
160120 ADO HYD 5.0 02:R1 119.73 .423 2015.0811.14:05 67.32 n/a .000
160130 [RDF 5.00 out< 5.0 02:R1]
160140 [IaR 5.00; Nv 3.00; Tm 1.95]
160150 [Vmax = 310; Dmax = .98]
160160 *****
160170 R2015C00028-----DtmIn-ID:INHYD-----AREAb-QPEARms-TPeakDate hh:mm-----RvMm-R.C-----DMFms
160180 ROUTE CHANNEL 5.0 01:R2 270.69 1.064 2015.0811.13:50 68.55 n/a .000
160190 [RDF 5.00 out< 5.0 01:R2]
160200 [IaR 5.00; Nv 3.00; Tm 1.95]
160210 [Vmax = 445; Dmax = .343]
160220 *****
160230 R2015C00029-----DtmIn-ID:INHYD-----AREAb-QPEARms-TPeakDate hh:mm-----RvMm-R.C-----DMFms
160240 ADO HYD 5.0 02:R2 270.69 1.056 2015.0811.14:05 68.55 n/a .000

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162011 R2016:CO007-----DtmIn-ID:INVD-----AREAb-OPeARcns-TPeakDate hh:mm-----RvM-R-C-----DWFCms
162012 CONTINUOUS NASHDY 5.0 01:01:2874 1.55 .007 2016.0813:23:10 73.37 .203 .000
16203 [Cm 48.0: Nm 3.00: Tm 4.3]
16204 [IAREC=24.00: SMIN=109.74: SMAX=731.60: Bk= 100]
16205 *****
16206 *****
16207 *****
16208 *****
16209 *****
16210 *****
16211 *****
16212 *****
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16214 *****
16215 *****
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16366 *****
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16368 *****
16369 *****
16370 *****
16371 *****
16372 *****
16373 *****
16374 *****
16375 *****
16376 *****
16377 *****
16378 *****
16379 *****
16380 *****

```

```
16561> R1999:CO0018 CONTINUOUS STANDBYD
16562> *** NOTE: The pervious area has no runoff.
16563> R2000:CO0002 READ AES DATA
16564> *** WARNING: Requested start date is less than start date in file.
16565> *** WARNING: Missing rainfall increments were set to 0.
16566> *** WARNING: Requested start date is less than start date in file.
16567> *** WARNING: Missing rainfall increments were set to 0.
16568> *** WARNING: Requested start date is less than start date in file.
16569> *** WARNING: Missing rainfall increments were set to 0.
16570> *** WARNING: Requested start date is less than start date in file.
16571> *** WARNING: Missing rainfall increments were set to 0.
16572> R2004:CO0028 ROUTE CHANNEL ->
16573> *** WARNING: TRAVEL TIME TABLE was exceeded
16574> R2004:CO0041 ROUTE CHANNEL ->
16575> *** WARNING: TRAVEL TIME TABLE was exceeded
16576> R2006:CO0002 READ AES DATA
16577> *** WARNING: Requested start date is less than start date in file.
16578> *** WARNING: Missing rainfall increments were set to 0.
16579> *** WARNING: Requested start date is less than start date in file.
16580> *** WARNING: Missing rainfall increments were set to 0.
16581> R2007:CO0018 CONTINUOUS STANDBYD
16582> *** NOTE: The pervious area has no runoff.
16583> R2008:CO0002 READ AES DATA
16584> *** WARNING: Requested start date is less than start date in file.
16585> *** WARNING: Missing rainfall increments were set to 0.
16586> R2008:CO0018 CONTINUOUS STANDBYD
16587> *** NOTE: The pervious area has no runoff.
16588> R2009:CO0002 READ AES DATA
16589> *** WARNING: Requested start date is less than start date in file.
16590> *** WARNING: Missing rainfall increments were set to 0.
16591> *** WARNING: Requested start date is less than start date in file.
16592> *** WARNING: Missing rainfall increments were set to 0.
16593> *** WARNING: Requested start date is less than start date in file.
16594> *** WARNING: Missing rainfall increments were set to 0.
16595> R2011:CO0018 CONTINUOUS STANDBYD
16596> *** NOTE: The pervious area has no runoff.
16597> R2013:CO0002 READ AES DATA
16598> *** WARNING: Requested start date is less than start date in file.
16599> *** WARNING: Missing rainfall increments were set to 0.
16600> *** WARNING: Requested start date is less than start date in file.
16601> *** WARNING: Missing rainfall increments were set to 0.
16602> *** WARNING: Requested start date is less than start date in file.
16603> *** WARNING: Missing rainfall increments were set to 0.
16604> *** WARNING: Requested start date is less than start date in file.
16605> *** WARNING: Specified end date is beyond the end date in file.
16606> *** WARNING: Missing rainfall increments were set to 0.
16607> R2016:CO0018 CONTINUOUS STANDBYD
16608> *** NOTE: The pervious area has no runoff.
16609> Simulation ended on 2025-07-28 at 13:48:21
16610> =====
16611>
```