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March 15, 2024

Project Number: 1474

David Schaeffer Engineering Ltd
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Attention: **Marc Pichette, P.Eng**

Subject: **Barrhaven Conservancy West – Preliminary Water Balance**

Introduction

Barrhaven Conservancy West Development is located in Barrhaven, Ontario, north of the Jock River, east of Highway 416 and west of Borrisokane Road. The proposed development is approximately **48.42 ha** that will primarily comprise of single and townhouse residential lots, stacked condos and a park. The following memo outlines how the proposed development will match/exceed the existing water budget through the use of LIDs.

Water Balance Overview

A pre- and post-development water balance has been completed for the site based on continuous hydrologic model simulations. As such a SWMHYMO model was developed that reflects the hydrologic conditions of these lands under pre-development, post-development without LIDs and post-development with LIDs conditions. These models were run using 36 years of hourly rainfall data from the Ottawa International Airport from 1967 to 2003 (excluding 2001 - missing rainfall data), and the average annual runoff volumes from the subject site were computed and compared. **Table A1 in Attachment A** outlines the continuous modelling parameters for both pre and post-development conditions. The following section outlines the modelling approach for each scenario and the results of this analysis.

Pre-Development

Based on the Soil Survey Complex mapping from the Ontario Ministry of Agriculture, Food, and Rural Affairs (OMAFRA) the site primarily consists of Carsonby - Silt (Type C) and Brandon -Silty Clay- (Type D) Soils. This was confirmed by Paterson Groups through onsite field investigations and boreholes which also reported Silt and Silty Clays through the majority of the site.

Based on the Southern Ontario Land Resource Information System (SOLRIS) the site consists primarily of tilled lands and hedgerows. 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 the subcatchment to determine the weighted CN for that subcatchment. The CN value calculated was then converted to CN*, as 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), when compared to conventional CN. Full details of the derivation of CN under existing conditions have been outlined in **Table A2 and Figures A1 & A2 in Attachment A**.

The time to peak (T_p) for these areas has been calculated based on existing topography. Flow paths have been discretized based on the topographic data using GIS tools and the longest major flow path within the subcatchment identified; refer to **Figure A3 in Attachment A** for the flow paths discretized for these lands. The upstream and downstream topographic elevations and flow lengths were identified for this subcatchment and used in the calculations. For these lands, the Federal Aviation Administration (FFA) method was determined to be the most appropriate method to calculate the T_p . 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. This site under pre-development conditions has been represented in SWMHYMO using a CONTINUOUS NASHYD command, with all continuous parameters outlined in **Table A1 of Attachment A**. Note that the pre-development areas have been represented as 3 individual areas (Split by the Foster and Okeefe drains) with the results of the 3 areas added together to provide the full site pre-development water budget.

Post-Development – Without LIDs

Under post-development conditions, the site will have 6 individual storm sewer outlets, as such the development lands have been broken into these 6 discrete areas (with a total drainage area of **48.42 ha**, matching existing conditions). Based on the development conceptual plan, the **48.42 ha** site will have a total imperviousness of **70%**, see **Figure A4 in Attachment A** for an overview of the proposed development plan. These developed lands have been represented using CONTINUOUS STANDHYD commands in SWMHYMO. This scenario has been provided to quantify the average annual reduction in infiltration volume throughout the site due to the increase in impervious area.

To best represent infiltration over a long simulation period, and to provide a consistent comparison between pre- and post-development conditions, the SCS procedure was used to simulate infiltration over the subject site for both pre-and post-development conditions. Under post-development conditions, soils in the development areas will be defined by the characteristics of topsoil, which has a CN of **79** ($CN^* = 71$) for urban lawns in fair condition.

Post-Development – With LIDs

As mentioned above the proposed development will have LIDs implemented throughout the site to offset any deficit in annual infiltration volume produced by the increase in the impervious area due to the development. For this analysis, it is assumed that the development will have infiltration LIDs implemented at the road catch basins. Runoff captured by the road catch basins will be directed to an infiltration trench, where it can infiltrate before discharging to the storm sewer system (see *Figure 5* in the DSEL *Figures & Drawings* package for more details about the proposed LID configuration). A conceptual design of these LID systems has been completed but will be refined at detailed design when detailed grading is available, to yield optimal benefit from this LID approach. **Table 1** below outlines the parameters of these conceptual LIDs based on the current development plan. Based on this analysis the site on average will need **3.75 CBs** per impervious hectare of development. Each of the LID clusters has been represented in the model as single lumped ROUTE RESERVOIR commands, with the outflow of each command reflective of the soil infiltration rate and the volume reflective of the storage volume within each LID.

Soil Infiltration & Draw Down Time

Based on the Paterson Group's geotechnical Investigation, the site consists of soil that typically has infiltration rates in the range of **9 mm/hr - 25 mm/hr**. As such it has been assumed that this site will have an infiltration rate of 9mm/hr with a safety factor of 2.5 (3.6 mm/hr). Based on a trench height of 0.4 m (with a void ratio of 0.4) these trenches will have a draw downtime of approximately **45 hours**. Note that in this analysis it is assumed that only the bottom of the trench can infiltrate, which is a conservative assumption.

Table 1: Proposed LID Summary

Parameters	Total	W1	W2	W3	W4	W5	W6
Area (ha)	48.42	5.76	8.51	10.03	10.11	6.20	7.81
RC	0.72	0.66	0.62	0.73	0.69	0.67	0.77
Total Imp. (%)	70%	66%	60%	76%	70%	67%	81%
Imp Area (ha)	34.08	3.78	5.11	7.59	7.08	4.16	6.36
# of CBMH's	128	14	19	28	27	16	24
Pipe Dia (mm)	-	250	250	250	250	250	250
Perf. Pipe Length (m)	3840	420	570	840	810	480	720
Pipe Vol. (m ³)	188	21	28	41	40	24	35
Trench Width (m)	-	1.25	1.25	1.25	1.25	1.25	1.25
Trench Height (m)	-	0.4	0.4	0.4	0.4	0.4	0.4
Trench Length (m)	-	30	30	30	30	30	30
Void Ratio	-	0.4	0.4	0.4	0.4	0.4	0.4
Trench Vol. (m ³)	693	76	103	152	146	87	130
Total Vol. (m ³)	881	96	131	193	186	110	165
Area of Trench (m ²)	4800	525	713	1050	1013	600	900
Soil Infiltration Rate (mm/hr)	-	9	9	9	9	9	9
Safety Factor	-	2.5	2.5	2.5	2.5	2.5	2.5
Reduced Rate (mm/hr)	-	3.6	3.6	3.6	3.6	3.6	3.6
Infiltration rate (m ³ /hr)	-	0.0005	0.0007	0.0011	0.0010	0.0006	0.0009

Water Budget Scenario Summary

The models were run for 36 years using hourly rainfall data from the Ottawa Airport, and the annual evaporation, infiltration and runoff volumes were calculated for each scenario. **Tables 2-4** summarize the annual average water balance under existing conditions and post-development conditions for the proposed development lands with and without LID measures in place, as m³/year, mm/year and % of total annual rainfall.

Table 2: Pre-Development Water Balance

Drainage Area (ha)		48.42	Imperviousness:	7%
Annual Average Volume	Precipitation	Evapotranspiration	Runoff	Infiltration
m ³	288,466	188,545	35,419	64,503
mm	596	389	73	133
%	100%	65.4%	12.3%	22.4%

Table 3: Post Development Water Balance – Without LIDs

Drainage Area (ha)		48.42	Imperviousness:	70%
Annual Average Volume	Precipitation	Evapotranspiration	Runoff	Infiltration
m ³	288,466	107,821	148,079	32,566
mm	596	223	306	67
%	100.0%	37.4%	51.3%	11.3%

Table 4: Post Development Water Balance – With LIDs

Drainage Area (ha)		48.42	Imperviousness:	70%
Annual Average Volume	Precipitation	Evapotranspiration	Runoff	Infiltration
m ³	288,466	107,821	111,716	68,929
mm	596	223	231	142
%	100%	37.4%	38.7%	23.9%

Based on this analysis of pre-development conditions, this site will evaporate **65.4%**, runoff **12.3%** and infiltrate **22.4%** of all annual rainfall. Under post-development conditions without LIDs, this site will evaporate **37.4%**, runoff **51.3%** and infiltrate **11.3%** of all annual rainfall, resulting in a deficit of **66 mm/year** infiltrated from pre-development conditions. Under post-development conditions with LIDs, this site will evaporate **37.4%**, runoff **38.7%** and infiltrate **23.9%** of all annual rainfall, resulting in an exceedance of 9 mm/year infiltrated from pre-development conditions. Full annual breakdowns of the three conditions have been provided in **Attachment B, Tables B1-B3**. An average annual summary of the infiltration volume for each of the proposed LID measures is outlined in **Table B4**, which shows that the LIDs alone provide a total average annual infiltration volume of **75 mm/year**.

Conclusion

A preliminary water balance analysis of the existing site was completed to determine pre-development infiltration rates, based on continuous hydrologic model simulations. A post-development analysis for the site, where no LIDs were implemented, showed that the volume of annual rainfall infiltrated would decrease by **66 mm/yr.** (-49% from existing). Implementing LIDs in the way of infiltration trenches connected to the catchbasins at a rate of **3.75 CB** per impervious hectare would exceed the annual infiltration rate by **9 mm/year** (+1.5% from existing). Based on the above it has been shown that the Barrhaven Conservancy West Developments will be able to meet pre-development infiltration rates within **±5%** under post-development conditions through the use of LIDs.

Yours truly,
J.F Sabourin and Associates Inc.



Jonathon Burnett, P.Eng
Water Resources Engineer

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



Tables

- Table 1: Proposed LID Summary
- Table 2: Pre-Development Water Balance
- Table 3: Post Development Water Balance – Without LIDs
- Table 4: Post Development Water Balance – With LIDs

Attachments

- Attachment A: SWMHYMO Models & Parameters
- Attachment B: Water Budget Results

Modelling Files (Provided Electronically)

SWMHYMO	BCD_WEST-PRE_v03.dat
	BCD_WEST-POST_v03.dat



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Attachment A

SWMHYMO Models & Parameters



Legend

Soil Name (SCS Value)
BRANDON (D)
CARSONBY (C)
■ Development Area

SCALE: 1:4500
0 100 200 m



Conservancy West

Figure A1: Soil Types

PROJECT	1474(03)
DRAWN	JB
DATE	March 2024



Legend

Land Use

- Hedge Rows
- Tilled
- Development Area

SCALE: 1:4500

0 100 200 m

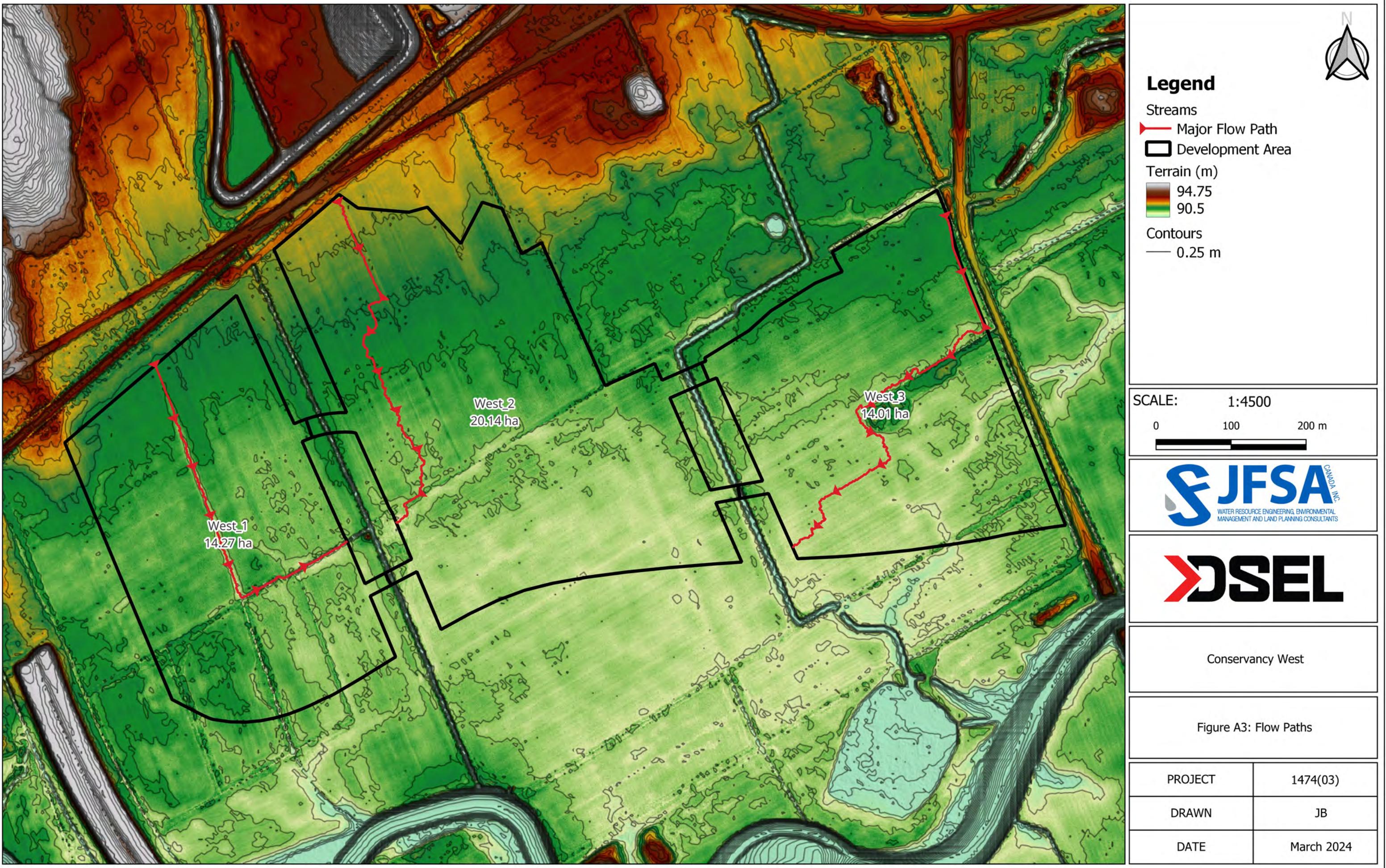
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Conservancy West

Figure A2: Land Use

PROJECT	1474(03)
DRAWN	JB
DATE	March 2024





Legend

- Junctions
- Site Plan
- Minor System
- Lumped Areas:
 - <Name>
 - <Area>
 - <Runoff Coefficient>

SCALE: 1:4500

0 100 200 m

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Figure A4: Proposed Development

PROJECT	1474(03)
DRAWN	JB
DATE	March 2024

Table A1: Continuous Simulation Parameters

Parameter(s) & Value(s)	Description
APII=[50], APIK=[0.90]/day	Used to compute the Antecedent Precipitation Index during the continuous simulation. Without model calibration, these are the default values.
IaImp = [1.57](mm), IaPer=[4.67](mm)	Default Initial Abstraction (IA) values per the City of Ottawa Design Guidelines
IaREC=[6](hrs);	The time that it takes for the Initial Abstraction over pervious areas to recover during a dry period in undeveloped areas.
SMIN=[-1], SMAX=[-1](mm)	The negative values indicate that the storage volume in the SCS procedure will vary between the "S" determined for AMC I and AMC III conditions of the entered CN value in undeveloped and urban areas.
SK=[0.03]/(mm);	A calibration coefficient that can typically vary from 0.01 to 0.3 for undeveloped and urban areas. The higher the value, the more runoff generated. To set the baseline for existing conditions, it was decided to take a value in the low range.
InitGWResVol=[10](mm), GWResK=[0.9](mm/day/mm), VhydCond=[1](mm/hr);	Parameters that are used to simulate both the groundwater storage and discharge to surface watercourses from undeveloped areas. Without adequate field measurements, these parameters were selected based on previous continuous modelling experience.
IaRECPer=[6](hrs);	The time that it takes for the Initial Abstraction over pervious areas to recover during a dry period in urban areas.
IaRECCimp=[1.5](hrs);	The time that it takes for the Initial Abstraction over impervious areas to recover during a dry period in urban areas.
InterEventTime=[12](hrs)	The continuous dry time is required to reset the parameters in the SCS procedure to their initial values.

Table A2: Calculation of SCS Curve Number (CN) and Modified Curve Number (CN*)

West_1 (14.27 ha)							
Area (ha)	Land Type	Soil Name	Soil Condition	Soil Group	CN	% of Catchment	Weighted CN
8.979	Tilled	CARSONBY	C	Fair	79	62.9%	49.7
4.166	Tilled	BRANDON	D	Fair	84	29.2%	24.5
1.123	Hedge Rows	CARSONBY	C	Fair	70	7.9%	5.5
						CN	79.7
						CN*	72

West_2 (20.138 ha)							
Area (ha)	Land Type	Soil Name	Soil Condition	Soil Group	CN	% of Catchment	Weighted CN
4.879	Tilled	CARSONBY	C	Fair	79	24.2%	19.1
15.117	Tilled	BRANDON	D	Fair	84	75.1%	63.1
0.109	Hedge Rows	CARSONBY	C	Fair	70	0.5%	0.4
0.034	Hedge Rows	BRANDON	D	Fair	77	0.2%	0.1
						CN	82.7
						CN*	76

#REF!							
Area (ha)	Land Type	Soil Name	Soil Condition	Soil Group	CN	% of Catchment	Weighted CN
14.007	Tilled	CARSONBY	C	Fair	79	100.0%	79.0
						CN	79.0
						CN*	71

Table A3: Time to Peak Calculations

Parameter	Units	West_1	West_2	West_3
Area	ha	14.268	20.139	14.007
CN*	-	72	76	71
Ptotal to calc C from CN, use 2 yr 24 hr SCS stom	P(mm)	48.5	48.5	48.5
	Ia(mm)	4.67	4.67	4.67
	RV(mm)	13.5	15.6	13.0
C	-	0.28	0.32	0.27
Ptotal to calc C from CN, use 2 yr 3 hr CHI stom	P(mm)	31.9	31.9	31.9
	Ia(mm)	4.67	4.67	4.67
	RV(mm)	5.9	7.0	5.6
C	-	0.18	0.22	0.18
Length of Channel	m	541	619	764
	ft	1776	2029	2507
Elevation of Head Water	m	91.52	92.07	91.50
	ft	300	302	300
Elevation of Outlet	m	90.31	91.00	91.00
	ft	296	299	299
Average Slope	m/m	0.22%	0.17%	0.07%
	ft/ft	0.22%	0.17%	0.07%
Kirpich				
Time of Concentration	mins	26	32	54
Time to Peak	min	17	21	36
Time to Peak	Hours	0.29	0.35	0.60
FAA (SCS)				
Time of Concentration	mins	103	113	186
Time to Peak	mins	69	75	124
Time to Peak	Hours	1.14	1.26	2.07
FAA (CHI)				
Time of Concentration	mins	114	128	207
Time to Peak	mins	76	86	138
Time to Peak	Hours	1.27	1.43	2.29
Barnsby Williams				
Time of Concentration	mins	32	37	58
Time to Peak	mins	21	25	39
Time to Peak	Hours	0.36	0.42	0.65
SCS				
Time of Concentration	mins	134	151	337
Time to Peak	mins	90	100	225
Time to Peak	Hours	1.49	1.67	3.75
Selected Method				
FAA (SCS)				
Time to Peak	min	69	75	124
Time to Peak	Hours	1.14	1.26	2.07

Note:

All methods calculated as per Appendix A of the SWMHYMO manual

Time to Peak calculated as 2/3 Time of concentration

```

1 20      Metric units / ID Numbers OFF
2 ***** ****
3 *# SWMHYMO Ver:5.02/Jan 2001 <BETA> / INPUT DATA FILE
4 ***** ****
5 *# Project Name: Barrhaven Conservancy Development
6 *# Project Number: 1474
7 *# Date       : 2021/Oct/18
8 *# Modeller   : J.Burnett, P.Eng.
9 *# Updated    : 2022/Dec/07 [JB]
10 *# Updated   : 2022/Dec/13 [LP]
11 *# Updated   : 2024/Mar/14 [JB]
12 *# Company   : J.F. Sabourin and Associates
13 *# License # : 2582634
14 ***** ****
15 START          TZERO=[1967.0101], METOUT=[2], NSTORM=[0], NRUN=[67]
16 *%           [ ""] <--storm filename, one per line for NSTORM time
17 *%-----|-----|
18 *# Ottawa International Airport (1967 - 2003)
19 READ AES DATA   AES_FILENAME=[ "YOW_1967_2007.123"],
20             IELEM=[123], START_DATE=[0], END_DATE=[-364]
21 *%-----|-----|
22 COMPUTE API     APII=[50], APIK=[0.90]/day
23 *%-----|-----|
24 ***** ****
25 *#               Barrhaven Conservancy West Developments (WITH INFILTRATION) - PRE
DEVELOPMENT CONDITIONS
26 ***** ****
27 *%-----|-----|
28 CONTINUOUS NASHYD  NHYD=[ "West_1"], DT=[5](min), AREA=[14.27](ha)
29             DWF=[0](cms), CN/C=[72], IA=[4.67](mm), N=[3], TP=[1.14](hrs),
30             Continuous simulation parameters:
31             IaRECper=[6](hrs), SMIN=[-1](mm), SMAX=[-1](mm), SK=[0.03]/(mm),
32             InterEventTime=[12](hrs)
33             Baseflow simulation parameters:
34             BaseFlowOption=[1], InitGWResVol=[10](mm), GWResK=[0.9](mm/day/mm)
35             VHydCond=[1.0](mm/hr), END=-1
36 *%-----|-----|
37 CONTINUOUS NASHYD  NHYD=[ "West_2"], DT=[5](min), AREA=[20.14](ha)
38             DWF=[0](cms), CN/C=[76], IA=[4.67](mm), N=[3], TP=[1.26](hrs),
39             Continuous simulation parameters:
40             IaRECper=[6](hrs), SMIN=[-1](mm), SMAX=[-1](mm), SK=[0.03]/(mm),
41             InterEventTime=[12](hrs)
42             Baseflow simulation parameters:
43             BaseFlowOption=[1], InitGWResVol=[10](mm), GWResK=[0.9](mm/day/mm)
44             VHydCond=[1.0](mm/hr), END=-1
45 *%-----|-----|
46 CONTINUOUS NASHYD  NHYD=[ "West_3"], DT=[5](min), AREA=[14.01](ha)
47             DWF=[0](cms), CN/C=[71], IA=[4.67](mm), N=[3], TP=[2.07](hrs),
48             Continuous simulation parameters:
49             IaRECper=[6](hrs), SMIN=[-1](mm), SMAX=[-1](mm), SK=[0.03]/(mm),
50             InterEventTime=[12](hrs)
51             Baseflow simulation parameters:
52             BaseFlowOption=[1], InitGWResVol=[10](mm), GWResK=[0.9](mm/day/mm)
53             VHydCond=[1.0](mm/hr), END=-1
54 *%-----|-----|
55 ADD HYD        NHYDsum=[ "West-Total"], NHYDs to add=[ "West_1", "West_2", "West_3"]
56 *%-----|-----|

```

```

54 *#####
55 *# Barrhaven Conservancy West Developments (WITHOUT INFILTRATION) - PRE
56 DEVELOPMENT CONDITIONS
57 *# Set infiltration to 0 (CN = 99.99) for water balance analysis
58 *#####
59 CONTINUOUS NASHYD   NHYD=[ "INF-West_1" ], DT=[5](min), AREA=[14.27](ha)
60 DWF=[0](cms), CN/C=[99.99], IA=[4.67](mm), N=[3], TP=[1.14](hrs),
61 Continuous simulation parameters:
62   IaRECper=[6](hrs), SMIN=[-1](mm), SMAX=[-1](mm), SK=[0.00]/(mm),
63   InterEventTime=[12](hrs)
64 Baseflow simulation parameters:
65   BaseFlowOption=[1] , InitGWResVol=[10](mm), GWResK=[0.9](mm/day/mm)
66   VHydCond=[1.0](mm/hr), END=-1
67 *%-----
68 CONTINUOUS NASHYD   NHYD=[ "INF-West_2" ], DT=[5](min), AREA=[20.14](ha)
69 DWF=[0](cms), CN/C=[99.99], IA=[4.67](mm), N=[3], TP=[1.26](hrs),
70 Continuous simulation parameters:
71   IaRECper=[6](hrs), SMIN=[-1](mm), SMAX=[-1](mm), SK=[0.00]/(mm),
72   InterEventTime=[12](hrs)
73 Baseflow simulation parameters:
74   BaseFlowOption=[1] , InitGWResVol=[10](mm), GWResK=[0.9](mm/day/mm)
75 *%-----
76 CONTINUOUS NASHYD   NHYD=[ "INF-West_3" ], DT=[5](min), AREA=[14.01](ha)
77 DWF=[0](cms), CN/C=[99.99], IA=[4.67](mm), N=[3], TP=[2.07](hrs),
78 Continuous simulation parameters:
79   IaRECper=[6](hrs), SMIN=[-1](mm), SMAX=[-1](mm), SK=[0.00]/(mm),
80   InterEventTime=[12](hrs)
81 Baseflow simulation parameters:
82   BaseFlowOption=[1] , InitGWResVol=[10](mm), GWResK=[0.9](mm/day/mm)
83 *%-----
84 ADD HYD           NHYDsum=[ "INF-West-Total" ], NHYDs to
85 add=[ "INF-West_1", "INF-West_2", "INF-West_3" ]
86 *%-----
87 *##### CONTINUOUS RAINFALL DATA #####
88 *%-----
89 *%-----
90 START             TZERO=[1968.0101], METOUT=[2], NSTORM=[0], NRUN=[68]
91 *%-----
92 START             TZERO=[1969.0101], METOUT=[2], NSTORM=[0], NRUN=[69]
93 *%-----
94 START             TZERO=[1970.0101], METOUT=[2], NSTORM=[0], NRUN=[70]
95 *%-----
96 START             TZERO=[1971.0101], METOUT=[2], NSTORM=[0], NRUN=[71]
97 *%-----
98 START             TZERO=[1972.0101], METOUT=[2], NSTORM=[0], NRUN=[72]
99 *%-----
100 START            TZERO=[1973.0101], METOUT=[2], NSTORM=[0], NRUN=[73]
101 *%-----
```

```
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103 *%
104 START TZERO=[1975.0101], METOUT=[ 2 ], NSTORM=[ 0 ], NRUN=[ 75 ]
105 *%
106 START TZERO=[1976.0101], METOUT=[ 2 ], NSTORM=[ 0 ], NRUN=[ 76 ]
107 *%
108 START TZERO=[1977.0101], METOUT=[ 2 ], NSTORM=[ 0 ], NRUN=[ 77 ]
109 *%
110 START TZERO=[1978.0101], METOUT=[ 2 ], NSTORM=[ 0 ], NRUN=[ 78 ]
111 *%
112 START TZERO=[1979.0101], METOUT=[ 2 ], NSTORM=[ 0 ], NRUN=[ 79 ]
113 *%
114 START TZERO=[1980.0101], METOUT=[ 2 ], NSTORM=[ 0 ], NRUN=[ 80 ]
115 *%
116 START TZERO=[1981.0101], METOUT=[ 2 ], NSTORM=[ 0 ], NRUN=[ 81 ]
117 *%
118 START TZERO=[1982.0101], METOUT=[ 2 ], NSTORM=[ 0 ], NRUN=[ 82 ]
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120 START TZERO=[1983.0101], METOUT=[ 2 ], NSTORM=[ 0 ], NRUN=[ 83 ]
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127 *%
128 START TZERO=[1987.0101], METOUT=[ 2 ], NSTORM=[ 0 ], NRUN=[ 87 ]
129 *%
130 START TZERO=[1988.0101], METOUT=[ 2 ], NSTORM=[ 0 ], NRUN=[ 88 ]
131 *%
132 START TZERO=[1989.0101], METOUT=[ 2 ], NSTORM=[ 0 ], NRUN=[ 89 ]
133 *%
134 START TZERO=[1990.0101], METOUT=[ 2 ], NSTORM=[ 0 ], NRUN=[ 90 ]
135 *%
136 START TZERO=[1991.0101], METOUT=[ 2 ], NSTORM=[ 0 ], NRUN=[ 91 ]
137 *%
138 START TZERO=[1992.0101], METOUT=[ 2 ], NSTORM=[ 0 ], NRUN=[ 92 ]
139 *%
140 START TZERO=[1993.0101], METOUT=[ 2 ], NSTORM=[ 0 ], NRUN=[ 93 ]
141 *%
142 START TZERO=[1994.0101], METOUT=[ 2 ], NSTORM=[ 0 ], NRUN=[ 94 ]
143 *%
144 START TZERO=[1995.0101], METOUT=[ 2 ], NSTORM=[ 0 ], NRUN=[ 95 ]
145 *%
146 START TZERO=[1996.0101], METOUT=[ 2 ], NSTORM=[ 0 ], NRUN=[ 96 ]
147 *%
```

```
148 START TZERO=[1997.0101], METOUT=[ 2 ], NSTORM=[ 0 ], NRUN=[ 97 ]
149 *%
150 START TZERO=[1998.0101], METOUT=[ 2 ], NSTORM=[ 0 ], NRUN=[ 98 ]
151 *%
152 START TZERO=[1999.0101], METOUT=[ 2 ], NSTORM=[ 0 ], NRUN=[ 99 ]
153 *%
154 START TZERO=[2000.0101], METOUT=[ 2 ], NSTORM=[ 0 ], NRUN=[ 100 ]
155 *%
156 *% MISSING FROM AES RAINFALL DATA
157 *%START TZERO=[2001.0101], METOUT=[ 2 ], NSTORM=[ 0 ], NRUN=[ 101 ]
158 *%
159 START TZERO=[2002.0101], METOUT=[ 2 ], NSTORM=[ 0 ], NRUN=[ 102 ]
160 *%
161 START TZERO=[2003.0101], METOUT=[ 2 ], NSTORM=[ 0 ], NRUN=[ 103 ]
162 *%
163 FINISH
```

```

00001+ =====
00002+ =====
00003+ SSSSS W W M M H H Y Y M M OOO 222 000 11 555 =====
00004+ SSSSS W W MM MM H H Y Y MM M O O 2 0 0 11 5 Ver 5.000
00005+ SSSSS W W M M HHHHH Y M M O O 2 0 0 11 5 Ver 5.000
00006+ SSSSS W W M M H H Y Y M M O O 222 0 0 11 555 FEB 2015
00007+ SSSSS W W M M H H Y Y M M O O 2 0 0 11 5 =====
00008+ SSSSS W W M M H H Y Y M M O O 2 0 0 11 555 =====
00009+ StormWater Management Hydrologic Model 222 000 11 555 =====
00010+
00011+ =====
00012+ =====
00013+ * SWHMHO Ver 5.000
00014+ * A single event and continuous hydrologic simulation model
00015+ * based on the principles of HDMO and its successors
00016+ * OTTHMHO-83 and OTTHMHO-99
00017+ * Distributed by: J.F. Sabourin and Associates Inc.
00018+ * Ottawa, Ontario: (613) 836-3884
00019+ * E-mail: swhmho@fza.ca
00020+ * E-Mail: swhmho@fza.ca
00021+ * E-Mail: swhmho@fza.ca
00022+ * E-Mail: swhmho@fza.ca
00023+ =====
00024+ ===== Licensed user: JFSAINC. SERIAL#:#249237
00025+ =====
00026+ =====
00027+ =====
00028+ =====
00029+ ***** PROGRAM ARRAY DIMENSIONS *****
00030+ ***** Maximum value for flow numbers : 11
00031+ ***** Max. number of rainfall events : 105408
00032+ ***** Max. number of flow points : 105408
00033+ =====
00034+ ===== S U M M A R Y O U T P U T
00035+ =====
00036+ * RUN DATE: 2024-03-14 TIME: 20:05:04 RUN COUNTER: 008081
00037+ * [INRUM = 0067]
00038+ * Input file: C:\Temp\20240306-Pre-Dev\BCD_WEST-PRE_v03.sum
00039+ * Output file: C:\Temp\20240306-Pre-Dev\BCD_WEST-PRE_v03.out
00040+ * Summary file: C:\Temp\20240306-Pre-Dev\BCD_WEST-PRE_v03.sum
00041+ * User comments:
00042+ * 
00043+ * 
00044+ * 
00045+ * 2:
00046+ * 3:
00047+ * 
00048+ * 
00049+ * 
00050+ * 
00051+ # SWHMHO Ver:5.02/Jan 2001 <BETA> / INPUT DATA FILE
00052+ =====
00053+ * Project Name: Barrhaven Conservancy Development
00054+ * Project Number: 1474
00055+ * Date : 2021/Oct/18
00056+ * Modeler : J.Burnett, P.Eng.
00057+ * Updated : 2022/Dec/13 [LB]
00058+ * Updated : 2024/Mar/14 [LB]
00059+ * Company : J.F. Sabourin and Associates
00060+ * License # : 2582634
00061+ * 
00062+ * ** END OF RUN : 66
00063+ * 
00064+ * 
00065+ * 
00066+ * 
00067+ * 
00068+ * 
00069+ * 
00070+ * RUNN:COMMAND#
00071+ * R0671:00001
00072+ =====
00073+ * START
00074+ * [TZERO = 0.00 hrs on 19670101]
00075+ * [INRUM = 0067] [1=imperial, 2=metric output]
00076+ * [INSTRM = 0]
00077+ * [INRUM = 0067]
00078+ * 
00079+ # SWHMHO Ver:5.02/Jan 2001 <BETA> / INPUT DATA FILE
00080+ =====
00081+ * Project Name: Barrhaven Conservancy Development
00082+ * Project Number: 1474
00083+ * Date : 2021/Oct/18
00084+ * Modeler : J.Burnett, P.Eng.
00085+ * Updated : 2022/Dec/13 [LB]
00086+ * Updated : 2024/Mar/14 [LB]
00087+ * Company : J.F. Sabourin and Associates
00088+ * License # : 2582634
00089+ * 
00090+ * 
00091+ * 
00092+ * R0671:00002
00093+ * READ AES DATA
00094+ * Filname = YOW_1967_2007.123
00095+ * [Start_date: 1967.0101; End_date: 1967.1231]
00096+ * [DT= 60; MinLength: 3984; hrs: NetHrs= 25; DryHrs= 372; PTOT= 386.90]
00097+ * Maximum average rainfall intensities over
00098+ * 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
00099+ * 24.60 17.65 13.20 7.25 3.83 2.36 1.73 1.32 .90 mm/hr
00100+ * 24.60 17.65 13.20 7.25 3.83 2.36 1.73 1.32 .90 mm
00101+ * 19670211 19670211 19670211 19670212 19670222 19670222 19670223 19670223 date
00102+ * Number of rainfall events per following interevent time
00103+ * 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
00104+ * 157 109 92 58 49 43 32
00105+ * Number of events with at least the following durations
00106+ * 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
00107+ * 79 62 29
00108+ * R0671:00003
00109+ * COMPUTE API
00110+ * [APIInit= 30.00; APIKdy= .9000; APIKdt= .9956]
00111+ * [APIMax= 76.77; APIAvg= 24.81; APIStdv= 3.06]
00112+ * 
00113+ * 
00114+ * ===== Barrhaven Conservancy West Developments (WITH INfiltration) - PRE DEVELOPMENT CONDITIONS
00115+ * R0671:00004-----Dtn-ID:NYHYD---ARSAh-QPEAKcms-TpeakDate_hh:mm---RVm-R.C.--DWFcms
00116+ * CONTINUOUS_NASHYD 5.0.01:West_1 14.27 .144 1967.0921_18:30 63.09 .163 .000
00117+ * [iAECHC 6.00: SMIN= 39.75: SMAX=264.99: SKW .030]
00118+ * 
00119+ * R0671:00005-----Dtn-ID:NYHYD---ARSAh-QPEAKcms-TpeakDate_hh:mm---RVm-R.C.--DWFcms
00120+ * CONTINUOUS_NASHYD 5.0.01:West_2 20.14 .221 1967.0921_19:05 70.91 .183 .000
00121+ * [iAECHC 6.00: SMIN= 39.75: SMAX=264.99: SKW .030]
00122+ * [InterEventTime: 12.00]
00123+ * [iAECHC 6.00: SMIN= 39.75: SMAX=216.39: SKW .030]
00124+ * [InterEventTime: 12.00]
00125+ * R0671:00006-----Dtn-ID:NYHYD---ARSAh-QPEAKcms-TpeakDate_hh:mm---RVm-R.C.--DWFcms
00126+ * CONTINUOUS_NASHYD 5.0.01:West_3 48.42 .451 1967.0921_19:11 65.91 .n/a .000
00127+ * [iAECHC 6.00: SMIN= 39.75: SMAX=264.99: SKW .030]
00128+ * [InterEventTime: 12.00]
00129+ * [iAECHC 6.00: SMIN= 39.75: SMAX=264.99: SKW .030]
00130+ * R0671:00007-----Dtn-ID:NYHYD---ARSAh-QPEAKcms-TpeakDate_hh:mm---RVm-R.C.--DWFcms
00131+ * ADD HYD 5.0.02:West_1 .144 1967.0921_18:50 63.09 n/a .000
00132+ * + .000 1967.0921_18:50 63.09 n/a .000
00133+ * + 5.0.02:West_2 14.01 .102 1967.0921_20:15 61.60 n/a .000
00134+ * SUM 5.0.01:West_Total 48.42 .451 1967.0921_19:11 65.91 n/a .000
00135+ * 
00136+ * ===== Barrhaven Conservancy West Developments (WITHOUT INfiltration) - PRE DEVELOPMENT CONDITIONS
00137+ * 
00138+ * 
00139+ * 
00140+ * R0671:00008-----Dtn-ID:NYHYD---ARSAh-QPEAKcms-TpeakDate_hh:mm---RVm-R.C.--DWFcms
00141+ * CONTINUOUS_NASHYD 5.0.01:West_1 14.27 .389 1967.0921_18:20 157.58 .407 .000
00142+ * [iAECHC 6.00: SMIN= 1.39: SMAX= 9.24: SKW .000]
00143+ * 
00144+ * R0671:00009-----Dtn-ID:NYHYD---ARSAh-QPEAKcms-TpeakDate_hh:mm---RVm-R.C.--DWFcms
00145+ * CONTINUOUS_NASHYD 5.0.01:West_2 20.14 .517 1967.0921_18:30 157.58 .407 .000
00146+ * [iAECHC 6.00: SMIN= 1.39: SMAX= 9.24: SKW .000]
00147+ * [InterEventTime: 12.00]
00148+ * [iAECHC 6.00: SMIN= 1.39: SMAX= 9.24: SKW .000]
00149+ * [InterEventTime: 12.00]
00150+ * R0671:00010-----Dtn-ID:NYHYD---ARSAh-QPEAKcms-TpeakDate_hh:mm---RVm-R.C.--DWFcms
00151+ * CONTINUOUS_NASHYD 5.0.01:West_3 48.42 .122 1967.0921_18:35 157.58 n/a .000
00152+ * 
00153+ * 
00154+ * 
00155+ * R0671:00011-----Dtn-ID:NYHYD---ARSAh-QPEAKcms-TpeakDate_hh:mm---RVm-R.C.--DWFcms
00156+ * CONTINUOUS_NASHYD 5.0.01:West_1 14.27 .389 1967.0921_18:20 157.58 n/a .000
00157+ * [iAECHC 6.00: SMIN= 1.39: SMAX= 9.24: SKW .000]
00158+ * 
00159+ * R0671:00012-----Dtn-ID:NYHYD---ARSAh-QPEAKcms-TpeakDate_hh:mm---RVm-R.C.--DWFcms
00160+ * CONTINUOUS_NASHYD 5.0.01:West_2 20.14 .517 1967.0921_18:30 157.58 n/a .000
00161+ * 
00162+ * # CONTINUOUS RAINFALL DATA
00163+ * 
00164+ * ** END OF RUN : 67
00165+ * 
00166+ * 
00167+ * 
00168+ * 
00169+ * 
00170+ * 
00171+ * RUNN:COMMAND#
00172+ * R0671:00001
00173+ * START
00174+ * [TZERO = 0.00 hrs on 19680101]
00175+ * [METOUT= 2 (1=imperial, 2=metric output)]
00176+ * [INRUM = 0068]
00177+ * [INRUM = 0068]
00178+ * # SWHMHO Ver:5.02/Jan 2001 <BETA> / INPUT DATA FILE
00179+ * 

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00361> # CONTINUOUS RAINFALL DATA
00362> ****END OF RUN : 69
00363> -----
00364> -----
00365> -----
00366> -----
00367> -----
00368> -----
00369> -----
00370> -----
00371> RUN#:COMMAND#
00372> R0701:CO0001
00373> -----
00374> [*TZERO = .00 hrs on 19700101]
00375> [*METOUT= 2 (Imperial, 2=metric output)]
00376> [*INSTRM= 0 ]
00377> [*NRUN= 0071 ]
00378> *-----#
00379> # SWHMHYO Ver:1.02/Jan 2001 <BT&TA> / INPUT DATA FILE
00380> *-----#
00381> # Project Name: Barrhaven Conservancy Development
00382> # Project Number: 1474
00383> # Date : 2021/Oct/18
00384> # Modeler : J.Burnett, P.Eng.
00385> # Updated : 2022/Dec/13 [JB]
00386> # Updated : 2022/Dec/13 [JB]
00387> # Updated : 2024/Mar/14 [JB]
00388> # Company : J.F. Sabourin and Associates
00389> # License # : 2582634
00390> #-----#
00391> # Ottawa International Airport (1967 - 2003)
00392> R0701:CO0002
00393> *-----#
00394> * READ AHS DATA
00395> [*Filename = YOM_1967_2007.123]
00396> [*Start_date= 1970.0101_End_date= 1970.1231]
00397> (*DT= 60:min; Length= 8760,hrs; Wethrs= 373; DryHrs= 8387; PTOT= 558.30)
00398> Maximum average rainfall intensities over
00399> 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs mm/hr
00400> 35.30 .30 12.20 6.10 3.63 1.81 1.21 1.46 .99
00401> 35.30 .36 .60 36.40 43.50 43.50 45.30 69.30 71.20
00402> 13970101 19700101 19700101 19700101 19700101 19700101 19700101 19700101 date
00403> Number of rainfall events per following interevent time
00404> 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
00405> 148 129 110 93 76 54 41 41 0
00406> Number of events with at least the following durations
00407> 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
00408> 127 93 46 30 9 0 0 0 0
00409> COMPUTE API
00410> (*APInit= 50.00; APIkdy= .9000; APIkdt= .9956)
00411> (*APImax= 76.00; APIAvg= 15.84; APImin= .07)
00412> *-----#
00413> # Barrhaven Conservancy Development (WITH INFILTRATION) - PRE DEVELOPMENT CONDITIONS
00414> *-----#
00415> R0701:CO0004
00416> *-----#
00417> [*Dtn=ID-NHYD---ARAh-a-QPEAKms-TpeakDate_h:mm---RVm-R.C.--DWFcms
00418> CONTINUOUS NASHYD 5.0 01:INF-West_1 14.27 .193 1970.0926_22:00 52.85 .095 .000
00419> [*InterEventTime= 12.00]
00420> R0701:CO0006-*-----#
00421> [*Dtn=ID-NHYD---ARAh-a-QPEAKms-TpeakDate_h:mm---RVm-R.C.--DWFcms
00422> CONTINUOUS NASHYD 5.0 01:West_2 20.14 .282 1970.0926_22:05 60.26 .108 .000
00423> [*CN= 76.01 N= 3.00 Tp= 1.26]
00424> [*InterEventTime= 12.00]
00425> R0701:CO0006-*-----#
00426> [*Dtn=ID-NHYD---ARAh-a-QPEAKms-TpeakDate_h:mm---RVm-R.C.--DWFcms
00427> CONTINUOUS NASHYD 5.0 01:West_3 14.01 .108 1970.0926_23:15 51.48 .092 .000
00428> [*CN= 71.01 N= 3.00 Tp= 2.07]
00429> *-----#
00430> [*APInit= 6.00 SMMN= 13.38; SMXW=275.84; SKW= .030]
00431> [*InterEventTime= 12.00]
00432> R0701:CO0007-*-----#
00433> [*Dtn=ID-NHYD---ARAh-a-QPEAKms-TpeakDate_h:mm---RVm-R.C.--DWFcms
00434> ADD HYD 5.0 02:West_1 14.27 .436 1970.0926_21:50 52.85 n/a .000
00435> + 5.0 02:West_2 20.14 .401 1970.0926_22:00 52.85 n/a .000
00436> + 5.0 02:West_3 14.01 .108 1970.0926_22:55 51.48 n/a .000
00437> SUM= 5.0 01:West_Total 48.42 .562 1970.0926_22:15 55.53 n/a .000
00438> [*CN= 72.01 N= 3.00 Tp= 2.07]
00439> *-----#
00440> [*APInit= 6.00 SMMN= 13.38; SMXW=275.84; SKW= .030]
00441> [*InterEventTime= 12.00]
00442> R0701:CO0008-*-----#
00443> [*Dtn=ID-NHYD---ARAh-a-QPEAKms-TpeakDate_h:mm---RVm-R.C.--DWFcms
00444> CONTINUOUS NASHYD 5.0 01:INF-West_1 14.27 .436 1970.0926_21:50 1970.0926_22:00 1970.0926_22:15 1970.0926_22:55 1970.0926_23:15 1970.0926_23:55 1970.0926_24:00 1970.0926_24:45 1970.0926_25:00 1970.0926_25:45 1970.0926_26:00 1970.0926_26:45 1970.0926_27:00 1970.0926_27:45 1970.0926_28:00 1970.0926_28:45 1970.0926_29:00 1970.0926_29:45 1970.0926_30:00 1970.0926_30:45 1970.0926_31:00 1970.0926_31:45 1970.0926_32:00 1970.0926_32:45 1970.0926_33:00 1970.0926_33:45 1970.0926_34:00 1970.0926_34:45 1970.0926_35:00 1970.0926_35:45 1970.0926_36:00 1970.0926_36:45 1970.0926_37:00 1970.0926_37:45 1970.0926_38:00 1970.0926_38:45 1970.0926_39:00 1970.0926_39:45 1970.0926_40:00 1970.0926_40:45 1970.0926_41:00 1970.0926_41:45 1970.0926_42:00 1970.0926_42:45 1970.0926_43:00 1970.0926_43:45 1970.0926_44:00 1970.0926_44:45 1970.0926_45:00 1970.0926_45:45 1970.0926_46:00 1970.0926_46:45 1970.0926_47:00 1970.0926_47:45 1970.0926_48:00 1970.0926_48:45 1970.0926_49:00 1970.0926_49:45 1970.0926_50:00 1970.0926_50:45 1970.0926_51:00 1970.0926_51:45 1970.0926_52:00 1970.0926_52:45 1970.0926_53:00 1970.0926_53:45 1970.0926_54:00 1970.0926_54:45 1970.0926_55:00 1970.0926_55:45 1970.0926_56:00 1970.0926_56:45 1970.0926_57:00 1970.0926_57:45 1970.0926_58:00 1970.0926_58:45 1970.0926_59:00 1970.0926_59:45 1970.0926_60:00 1970.0926_60:45 1970.0926_61:00 1970.0926_61:45 1970.0926_62:00 1970.0926_62:45 1970.0926_63:00 1970.0926_63:45 1970.0926_64:00 1970.0926_64:45 1970.0926_65:00 1970.0926_65:45 1970.0926_66:00 1970.0926_66:45 1970.0926_67:00 1970.0926_67:45 1970.0926_68:00 1970.0926_68:45 1970.0926_69:00 1970.0926_69:45 1970.0926_70:00 1970.0926_70:45 1970.0926_71:00 1970.0926_71:45 1970.0926_72:00 1970.0926_72:45 1970.0926_73:00 1970.0926_73:45 1970.0926_74:00 1970.0926_74:45 1970.0926_75:00 1970.0926_75:45 1970.0926_76:00 1970.0926_76:45 1970.0926_77:00 1970.0926_77:45 1970.0926_78:00 1970.0926_78:45 1970.0926_79:00 1970.0926_79:45 1970.0926_80:00 1970.0926_80:45 1970.0926_81:00 1970.0926_81:45 1970.0926_82:00 1970.0926_82:45 1970.0926_83:00 1970.0926_83:45 1970.0926_84:00 1970.0926_84:45 1970.0926_85:00 1970.0926_85:45 1970.0926_86:00 1970.0926_86:45 1970.0926_87:00 1970.0926_87:45 1970.0926_88:00 1970.0926_88:45 1970.0926_89:00 1970.0926_89:45 1970.0926_90:00 1970.0926_90:45 1970.0926_91:00 1970.0926_91:45 1970.0926_92:00 1970.0926_92:45 1970.0926_93:00 1970.0926_93:45 1970.0926_94:00 1970.0926_94:45 1970.0926_95:00 1970.0926_95:45 1970.0926_96:00 1970.0926_96:45 1970.0926_97:00 1970.0926_97:45 1970.0926_98:00 1970.0926_98:45 1970.0926_99:00 1970.0926_99:45 1970.0926_100:00 1970.0926_100:45 1970.0926_101:00 1970.0926_101:45 1970.0926_102:00 1970.0926_102:45 1970.0926_103:00 1970.0926_103:45 1970.0926_104:00 1970.0926_104:45 1970.0926_105:00 1970.0926_105:45 1970.0926_106:00 1970.0926_106:45 1970.0926_107:00 1970.0926_107:45 1970.0926_108:00 1970.0926_108:45 1970.0926_109:00 1970.0926_109:45 1970.0926_110:00 1970.0926_110:45 1970.0926_111:00 1970.0926_111:45 1970.0926_112:00 1970.0926_112:45 1970.0926_113:00 1970.0926_113:45 1970.0926_114:00 1970.0926_114:45 1970.0926_115:00 1970.0926_115:45 1970.0926_116:00 1970.0926_116:45 1970.0926_117:00 1970.0926_117:45 1970.0926_118:00 1970.0926_118:45 1970.0926_119:00 1970.0926_119:45 1970.0926_120:00 1970.0926_120:45 1970.0926_121:00 1970.0926_121:45 1970.0926_122:00 1970.0926_122:45 1970.0926_123:00 1970.0926_123:45 1970.0926_124:00 1970.0926_124:45 1970.0926_125:00 1970.0926_125:45 1970.0926_126:00 1970.0926_126:45 1970.0926_127:00 1970.0926_127:45 1970.0926_128:00 1970.0926_128:45 1970.0926_129:00 1970.0926_129:45 1970.0926_130:00 1970.0926_130:45 1970.0926_131:00 1970.0926_131:45 1970.0926_132:00 1970.0926_132:45 1970.0926_133:00 1970.0926_133:45 1970.0926_134:00 1970.0926_134:45 1970.0926_135:00 1970.0926_135:45 1970.0926_136:00 1970.0926_136:45 1970.0926_137:00 1970.0926_137:45 1970.0926_138:00 1970.0926_138:45 1970.0926_139:00 1970.0926_139:45 1970.0926_140:00 1970.0926_140:45 1970.0926_141:00 1970.0926_141:45 1970.0926_142:00 1970.0926_142:45 1970.0926_143:00 1970.0926_143:45 1970.0926_144:00 1970.0926_144:45 1970.0926_145:00 1970.0926_145:45 1970.0926_146:00 1970.0926_146:45 1970.0926_147:00 1970.0926_147:45 1970.0926_148:00 1970.0926_148:45 1970.0926_149:00 1970.0926_149:45 1970.0926_150:00 1970.0926_150:45 1970.0926_151:00 1970.0926_151:45 1970.0926_152:00 1970.0926_152:45 1970.0926_153:00 1970.0926_153:45 1970.0926_154:00 1970.0926_154:45 1970.0926_155:00 1970.0926_155:45 1970.0926_156:00 1970.0926_156:45 1970.0926_157:00 1970.0926_157:45 1970.0926_158:00 1970.0926_158:45 1970.0926_159:00 1970.0926_159:45 1970.0926_160:00 1970.0926_160:45 1970.0926_161:00 1970.0926_161:45 1970.0926_162:00 1970.0926_162:45 1970.0926_163:00 1970.0926_163:45 1970.0926_164:00 1970.0926_164:45 1970.0926_165:00 1970.0926_165:45 1970.0926_166:00 1970.0926_166:45 1970.0926_167:00 1970.0926_167:45 1970.0926_168:00 1970.0926_168:45 1970.0926_169:00 1970.0926_169:45 1970.0926_170:00 1970.0926_170:45 1970.0926_171:00 1970.0926_171:45 1970.0926_172:00 1970.0926_172:45 1970.0926_173:00 1970.0926_173:45 1970.0926_174:00 1970.0926_174:45 1970.0926_175:00 1970.0926_175:45 1970.0926_176:00 1970.0926_176:45 1970.0926_177:00 1970.0926_177:45 1970.0926_178:00 1970.0926_178:45 1970.0926_179:00 1970.0926_179:45 1970.0926_180:00 1970.0926_180:45 1970.0926_181:00 1970.0926_181:45 1970.0926_182:00 1970.0926_182:45 1970.0926_183:00 1970.0926_183:45 1970.0926_184:00 1970.0926_184:45 1970.0926_185:00 1970.0926_185:45 1970.0926_186:00 1970.0926_186:45 1970.0926_187:00 1970.0926_187:45 1970.0926_188:00 1970.0926_188:45 1970.0926_189:00 1970.0926_189:45 1970.0926_190:00 1970.0926_190:45 1970.0926_191:00 1970.0926_191:45 1970.0926_192:00 1970.0926_192:45 1970.0926_193:00 1970.0926_193:45 1970.0926_194:00 1970.0926_194:45 1970.0926_195:00 1970.0926_195:45 1970.0926_196:00 1970.0926_196:45 1970.0926_197:00 1970.0926_197:45 1970.0926_198:00 1970.0926_198:45 1970.0926_199:00 1970.0926_199:45 1970.0926_200:00 1970.0926_200:45 1970.0926_201:00 1970.0926_201:45 1970.0926_202:00 1970.0926_202:45 1970.0926_203:00 1970.0926_203:45 1970.0926_204:00 1970.0926_204:45 1970.0926_205:00 1970.0926_205:45 1970.0926_206:00 1970.0926_206:45 1970.0926_207:00 1970.0926_207:45 1970.0926_208:00 1970.0926_208:45 1970.0926_209:00 1970.0926_209:45 1970.0926_210:00 1970.0926_210:45 1970.0926_211:00 1970.0926_211:45 1970.0926_212:00 1970.0926_212:45 1970.0926_213:00 1970.0926_213:45 1970.0926_214:00 1970.0926_214:45 1970.0926_215:00 1970.0926_215:45 1970.0926_216:00 1970.0926_216:45 1970.0926_217:00 1970.0926_217:45 1970.0926_218:00 1970.0926_218:45 1970.0926_219:00 1970.0926_219:45 1970.0926_220:00 1970.0926_220:45 1970.0926_221:00 1970.0926_221:45 1970.0926_222:00 1970.0926_222:45 1970.0926_223:00 1970.0926_223:45 1970.0926_224:00 1970.0926_224:45 1970.0926_225:00 1970.0926_225:45 1970.0926_226:00 1970.0926_226:45 1970.0926_227:00 1970.0926_227:45 1970.0926_228:00 1970.0926_228:45 1970.0926_229:00 1970.0926_229:45 1970.0926_230:00 1970.0926_230:45 1970.0926_231:00 1970.0926_231:45 1970.0926_232:00 1970.0926_232:45 1970.0926_233:00 1970.0926_233:45 1970.0926_234:00 1970.0926_234:45 1970.0926_235:00 1970.0926_235:45 1970.0926_236:00 1970.0926_236:45 1970.0926_237:00 1970.0926_237:45 1970.0926_238:00 1970.0926_238:45 1970.0926_239:00 1970.0926_239:45 1970.0926_240:00 1970.0926_240:45 1970.0926_241:00 1970.0926_241:45 1970.0926_242:00 1970.0926_242:45 1970.0926_243:00 1970.0926_243:45 1970.0926_244:00 1970.0926_244:45 1970.0926_245:00 1970.0926_245:45 1970.0926_246:00 1970.0926_246:45 1970.0926_247:00 1970.0926_247:45 1970.0926_248:00 1970.0926_248:45 1970.0926_249:00 1970.0926_249:45 1970.0926_250:00 1970.0926_250:45 1970.0926_251:00 1970.0926_251:45 1970.0926_252:00 1970.0926_252:45 1970.0926_253:00 1970.0926_253:45 1970.0926_254:00 1970.0926_254:45 1970.0926_255:00 1970.0926_255:45 1970.0926_256:00 1970.0926_256:45 1970.0926_257:00 1970.0926_257:45 1970.0926_258:00 1970.0926_258:45 1970.0926_259:00 1970.0926_259:45 1970.0926_260:00 1970.0926_260:45 1970.0926_261:00 1970.0926_261:45 1970.0926_262:00 1970.0926_262:45 1970.0926_263:00 1970.0926_263:45 1970.0926_264:00 1970.0926_264:45 1970.0926_265:00 1970.0926_265:45 1970.0926_266:00 1970.0926_266:45 1970.0926_267:00 1970.0926_267:45 1970.0926_268:00 1970.0926_268:45 1970.0926_269:00 1970.0926_269:45 1970.0926_270:00 1970.0926_270:45 1970.0926_271:00 1970.0926_271:45 1970.0926_272:00 1970.0926_272:45 1970.0926_273:00 1970.0926_273:45 1970.0926_274:00 1970.0926_274:45 1970.0926_275:00 1970.0926_275:45 1970.0926_276:00 1970.0926_276:45 1970.0926_277:00 1970.0926_277:45 1970.0926_278:00 1970.0926_278:45 1970.0926_279:00 1970.0926_279:45 1970.0926_280:00 1970.0926_280:45 1970.0926_281:00 1970.0926_281:45 1970.0926_282:00 1970.0926_282:45 1970.0926_283:00 1970.0926_283:45 1970.0926_284:00 1970.0926_284:45 1970.0926_285:00 1970.0926_285:45 1970.0926_286:00 1970.0926_286:45 1970.0926_287:00 1970.0926_287:45 1970.0926_288:00 1970.0926_288:45 1970.0926_289:00 1970.0926_289:45 1970.0926_290:00 1970.0926
```

00721: [CN=76.01:West_2 20.14 .336 1973.0808_21:00 101.49 .136 .000
00722:]#CONTINUOUS NASHYD 5.0 01:West_2 20.14 .336 1973.0808_21:00 101.49 .136 .000
00723: [DTin-ID:NHYD-]#InterEventTime: 12.00h
00724: [DTin-ID:NHYD-]#ARSAha-QPEAKms-TpeakDate_hh:mm---RVmm-R.C.--DWFcms
00725: R0731c:000006-----
00726: [CN=71.01:West_3 14.01 .132 1973.0808_21:45 87.18 .117 .000
00727: [CN=71.01:West_3 3.00: Tpe: 2.07]
00728: [iAECM 6.00: SMIN: 41.38: SMAX:275.84: SKa .030]
00729: [iAECM 6.00: InterEventTime: 12.00h]
00730: [DTin-ID:NHYD-]#ARSAha-QPEAKms-TpeakDate_hh:mm---RVmm-R.C.--DWFcms
00731: ADD HYD 5.0 02:West_1 14.27 .228 1973.0808_20:51 89.43 n/a .000
00732: + 5.0 02:West_2 20.14 .308 1973.0808_20:51 89.43 n/a .000
00733: + 5.0 02:West_3 14.01 .132 1973.0808_21:45 87.18 .117 .000
00734: SIM# 5.0 01:West_Total 48.42 .674 1973.0808_21:00 93.79 n/a .000
00735: # CONTINUOUS NASHYD 5.0 01:West_1 14.27 .228 1973.0808_20:51 89.43 n/a .000
00736: # Barrhaven Conservancy West Development (WITHOUT INFILTRATION) PRE DEVELOPMENT CONDITIONS
00737: # Set Infiltration to 0 (CN = 99.99) for water balance analysis
00738: # R0731c:000008-----
00739: [DTin-ID:NHYD-]#ARSAha-QPEAKms-TpeakDate_hh:mm---RVmm-R.C.--DWFcms
00740: R0731c:000008-----
00741: [CN=76.01:West_2 20.14 .336 1973.0808_20:35 275.63 .370 .000
00742: [iAECM 6.00: SMIN: 1.39: SMAX: 9.24: SKa .000]
00743: [iAECM 6.00: InterEventTime: 12.00h]
00744: [DTin-ID:NHYD-]#ARSAha-QPEAKms-TpeakDate_hh:mm---RVmm-R.C.--DWFcms
00745: [CN=100.01:No 3.00: Tpe: 1.26]
00746: [CN=100.01:No 3.00: Tpe: 1.26]
00747: [CN=100.01:No 3.00: Tpe: 1.26]
00748: [CN=100.01:No 3.00: Tpe: 1.26]
00749: [CN=100.01:No 3.00: Tpe: 1.26]
00750: [CN=100.01:No 3.00: Tpe: 1.26]
00751: [CN=100.01:No 3.00: Tpe: 1.26]
00752: [CN=100.01:No 3.00: Tpe: 1.26]
00753: [CN=100.01:No 3.00: Tpe: 1.26]
00754: [CN=100.01:No 3.00: Tpe: 1.26]
00755: [CN=100.01:No 3.00: Tpe: 1.26]
00756: [CN=100.01:No 3.00: Tpe: 1.26]
00757: [CN=100.01:No 3.00: Tpe: 1.26]
00758: [CN=100.01:No 3.00: Tpe: 1.26]
00759: [CN=100.01:No 3.00: Tpe: 1.26]
00760: # CONTINUOUS NASHYD 5.0 01:INF-West_1 14.27 .497 1973.0808_20:35 275.63 .370 .000
00761: ADD HYD 5.0 02:INF-West_1 14.27 .497 1973.0808_20:35 275.63 .370 .000
00762: + 5.0 02:INF-West_2 20.14 .650 1973.0808_20:45 275.63 .370 .000
00763: + 5.0 02:INF-West_3 14.01 .300 1973.0808_21:30 275.63 .370 .000
00764: SIM# 5.0 01:INF-West_1 48.42 1.401 1973.0808_20:45 275.63 n/a .000
00765: # CONTINUOUS NASHYD 5.0 01:INF-West_2 20.14 .650 1973.0808_20:45 275.63 .370 .000
00766: ADD HYD 5.0 02:INF-West_1 14.27 .497 1973.0808_20:35 275.63 n/a .000
00767: + 5.0 02:INF-West_2 20.14 .650 1973.0808_20:45 275.63 n/a .000
00768: + 5.0 02:INF-West_3 14.01 .300 1973.0808_21:30 275.63 n/a .000
00769: SIM# 5.0 01:INF-West_1 48.42 1.401 1973.0808_20:45 275.63 n/a .000
00770: # CONTINUOUS NASHYD 5.0 01:INF-West_2 20.14 .650 1973.0808_20:45 275.63 .370 .000
00771: # Barrhaven Conservancy West Development (WITHOUT INFILTRATION) PRE DEVELOPMENT CONDITIONS
00772: R0731c:000001-----
00773: [DTin-ID:NHYD-]#ARSAha-QPEAKms-TpeakDate_hh:mm---RVmm-R.C.--DWFcms
00774: [TZERO = .00 hrs on 19740101]
00775: [METOUT= 2 (Imperial, 2=metric output)]
00776: [INSTRME= 0074]
00777: [NRUN = 0074]
00778: # SWHMHO Ver5.02/Jan 2001 BETA> / INPUT DATA FILE
00779: #
00780: # Project Name: Barrhaven Conservancy Development
00781: # Project Number: 1474
00782: # Modeler : J.Burnett, P.Eng.
00783: # Updated : 2022/Dec/07 [JB]
00784: # Updated : 2024/Mar/14 [JB]
00785: # Updated : 2024/Mar/14 [JB]
00786: # Company : J.F. Sabourin and Associates
00787: # License #: 2582634
00788: #
00789: # Ottawa International Airport (1967 - 2003)
00790: #
00791: # READ AER DATA
00792: # [Filename = YOW_1967_2007.123]
00793: # READ AER DATA
00794: # [Filename = YOW_1967_2007.123]
00795: # READ AER DATA
00796: # [Start_date= 1976.01.01, End_date= 1976.12.31]
00797: # Maximum average rainfall intensities over
00798: # 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
00799: # 20.40 13.40 8.47 5.18 3.98 1.63 1.08 .81 .54 mm/hr
00800: # 20.60 30.80 31.19 35.70 39.00 39.00 39.00 39.00 39.00 mm
00801: # 19740718 19740719 19740719 19740719 19740720 19740720 19740720 date
00802: # 19740718 19740719 19740719 19740719 19740720 19740720 19740720
00803: # 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
00804: # 1.29 2.15 3.94 6.3 63 50 38 33 23
00805: # Number of events with at least the following durations
00806: # 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
00807: # 1.28 66 32 10 3 0 0 0 0 0
00808: # R0741c:000005-----
00809: COMPUTE API
00810: # [APInit=.50,.50, APInity=.50,.50, APIdkdt=.9956]
00811: # [APInit=.50,.50, APInity=.50,.50, APIdkdt=.9956]
00812: #
00813: # Barrhaven Conservancy West Developments (WITH INFILTRATION) PRE DEVELOPMENT CONDITIONS
00814: # [DTin-ID:NHYD-]#ARSAha-QPEAKms-TpeakDate_hh:mm---RVmm-R.C.--DWFcms
00815: R0741c:000004-----
00816: [CN=76.01:West_1 14.27 .085 1974.0719_1:40 24.04 .062 .000
00817: #CONTINUOUS NASHYD 5.0 01:West_1 14.27 .085 1974.0719_1:40 24.04 .062 .000
00818: [iAECM 6.00: SMIN: 39.75: SMAX:264.99: SKa .030]
00819: [iAECM 6.00: InterEventTime: 12.00h]
00820: R0741c:000004-----
00821: [CN=76.01:West_2 20.14 .130 1974.0719_1:45 27.63 .072 .000
00822: #CONTINUOUS NASHYD 5.0 01:West_2 20.14 .130 1974.0719_1:45 27.63 .072 .000
00823: ADD HYD 5.0 02:West_1 14.27 .085 1974.0719_1:40 24.04 .062 .000
00824: + 5.0 02:West_2 20.14 .130 1974.0719_1:45 27.63 .072 .000
00825: R0741c:000006-----
00826: [DTin-ID:NHYD-]#ARSAha-QPEAKms-TpeakDate_hh:mm---RVmm-R.C.--DWFcms
00827: #CONTINUOUS NASHYD 5.0 01:West_3 14.01 .050 1974.0719_2:10 23.38 .061 .000
00828: [CN=71.01:West_3 14.01 .050 1974.0719_2:10 23.38 .061 .000
00829: [iAECM 6.00: SMIN: 41.38: SMAX:275.84: SKa .030]
00830: [iAECM 6.00: InterEventTime: 12.00h]
00831: R0741c:000005-----
00832: [DTin-ID:NHYD-]#ARSAha-QPEAKms-TpeakDate_hh:mm---RVmm-R.C.--DWFcms
00833: ADD HYD 5.0 02:West_1 14.27 .085 1974.0719_1:40 24.04 .062 .000
00834: + 5.0 02:West_2 20.14 .130 1974.0719_1:45 27.63 .072 .000
00835: R0741c:000006-----
00836: [DTin-ID:NHYD-]#ARSAha-QPEAKms-TpeakDate_hh:mm---RVmm-R.C.--DWFcms
00837: # Set Infiltration to 0 (CN = 99.99) for water balance analysis
00838: # R0741c:000010-----
00839: [DTin-ID:NHYD-]#ARSAha-QPEAKms-TpeakDate_hh:mm---RVmm-R.C.--DWFcms
00840: R0741c:000008-----
00841: [CN=76.01:West_1 14.27 .310 1974.0719_1:20 95.45 .247 .000
00842: [CN=76.01:West_2 20.14 .408 1974.0719_1:20 95.45 .247 .000
00843: [CN=76.01:West_3 14.01 .189 1974.0719_2:10 95.45 .247 .000
00844: [CN=71.01:West_3 14.01 .189 1974.0719_2:10 95.45 .247 .000
00845: #CONTINUOUS NASHYD 5.0 01:INF-West_1 20.14 .408 1974.0719_1:20 95.45 .247 .000
00846: ADD HYD 5.0 02:INF-West_1 14.27 .310 1974.0719_1:20 95.45 n/a .000
00847: + 5.0 02:INF-West_2 20.14 .408 1974.0719_1:20 95.45 n/a .000
00848: + 5.0 02:INF-West_3 14.01 .189 1974.0719_2:10 95.45 n/a .000
00849: SIM# 5.0 01:INF-West_1 48.42 .880 1974.0719_1:20 95.45 n/a .000
00850: #CONTINUOUS NASHYD 5.0 01:INF-West_2 20.14 .408 1974.0719_1:20 95.45 .247 .000
00851: ADD HYD 5.0 02:INF-West_1 14.27 .310 1974.0719_1:20 95.45 n/a .000
00852: + 5.0 02:INF-West_2 20.14 .408 1974.0719_1:20 95.45 n/a .000
00853: + 5.0 02:INF-West_3 14.01 .189 1974.0719_2:10 95.45 n/a .000
00854: [CN=100.01:No 3.00: Tpe: 1.26]
00855: # CONTINUOUS NASHYD 5.0 01:INF-West_1 14.27 .310 1974.0719_1:20 95.45 .247 .000
00856: ADD HYD 5.0 02:INF-West_1 14.27 .310 1974.0719_1:20 95.45 .247 .000
00857: + 5.0 02:INF-West_2 20.14 .408 1974.0719_1:20 95.45 .247 .000
00858: + 5.0 02:INF-West_3 14.01 .189 1974.0719_2:10 95.45 .247 .000
00859: SIM# 5.0 01:INF-West_1 48.42 .880 1974.0719_1:20 95.45 n/a .000
00860: #CONTINUOUS NASHYD 5.0 01:INF-West_2 20.14 .408 1974.0719_1:20 95.45 .247 .000
00861: ADD HYD 5.0 02:INF-West_1 14.27 .310 1974.0719_1:20 95.45 n/a .000
00862: + 5.0 02:INF-West_2 20.14 .408 1974.0719_1:20 95.45 n/a .000
00863: # END OF RUN : 74
00864: #
00865: # SWHMHO Ver5.02/Jan 2001 BETA> / INPUT DATA FILE
00866: #
00867: # Project Name: Barrhaven Conservancy Development
00868: # Project Number: 1474
00869: # Modeler : J.Burnett, P.Eng.
00870: # Updated : 2022/Dec/07 [JB]
00871: # Updated : 2024/Mar/14 [JB]
00872: # Updated : 2024/Mar/14 [JB]
00873: #
00874: # START = .00 hrs on 19750101
00875: # [METOUT= 2 (Imperial, 2=metric output)]
00876: # [INSTRME= 0074]
00877: # [NRUN = 0074]
00878: # SWHMHO Ver5.02/Jan 2001 BETA> / INPUT DATA FILE
00879: #
00880: # Project Name: Barrhaven Conservancy Development
00881: # Project Number: 1474
00882: # Modeler : J.Burnett, P.Eng.
00883: # Updated : 2022/Dec/07 [JB]
00884: # Updated : 2024/Mar/14 [JB]
00885: # Company : J.F. Sabourin and Associates
00886: # License #: 2582634
00887: #
00888: # Ottawa International Airport (1967 - 2003)
00889: #
00890: # READ AER DATA
00891: # [Filename = YOW_1967_2007.123]
00892: # READ AER DATA
00893: # [Start_date= 1975.01.01, End_date= 1975.12.31]
00894: # Maximum average rainfall intensities over
00895: # 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
00896: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm/hr
00897: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm/hr
00898: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00899: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00900: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00901: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00902: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00903: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00904: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00905: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00906: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00907: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00908: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00909: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00910: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00911: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00912: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00913: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00914: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00915: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00916: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00917: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00918: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00919: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00920: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00921: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00922: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00923: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00924: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00925: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00926: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00927: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00928: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00929: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00930: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00931: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00932: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00933: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00934: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00935: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00936: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00937: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00938: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00939: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00940: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00941: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00942: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00943: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00944: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00945: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00946: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00947: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00948: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00949: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00950: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00951: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00952: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00953: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00954: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00955: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00956: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00957: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00958: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00959: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00960: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00961: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00962: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00963: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00964: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00965: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00966: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00967: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00968: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00969: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00970: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00971: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00972: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00973: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00974: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00975: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00976: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00977: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00978: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00979: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00980: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00981: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00982: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00983: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00984: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00985: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00986: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00987: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00988: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00989: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr
00990: # 34.80 18.40 12.58 6.35 3.33 1.13 0.62 mm hr

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01081# Project Name: Barrhaven Conservancy Development
01082# Project Number: 1474
01083# Date : 20/Oct/18
01084# Modeler : J.Burnett, P.Eng.
01085# Updated : 2022/Dec/07 [JB]
01086# Updated : 2022/Dec/13 [JB]
01087# Updated : 2024/Mar/14 [JB]
01088# Company : J.F.Sabourin and Associates
01089# License # : 2882634
01090# ****
01091# Ottawa International Airport (1967 - 2003)
R0077:COM0001-----#
01093# READ AER DATA
01094# [Filename = YOW_1967_2007.123] 1
01095# [Start_date= 1977.0101; End_date= 1977.1231]
01096# [Dtmn= ID-NHYD; Length= 801 hrs; WetHrs= 512; DryHrs= 7504; PTOT= 677.80]
01097# Maximum average rainfall intensities over
01098# 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs mm/hr
01099# 20.30 20.40 19.40 39.40 1.46 1.40 1.06 .73 .73
01100# 21.30 30.40 30.40 39.30 39.60 39.80 50.40 51.00 52.40 .000
01101# 19770717 19770717 19770717 19770714 19770714 19770714 19770718 date
01102# 19770717 19770717 19770717 19770717 19770717 19770717 19770718
01103# 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
01104# 172 142 126 89 78 63 53 42 30
01105# Number of events with at least the following durations
01106# 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
01107# 171 88 60 22 5 1 0 0 0 0
01108# R0077:COM0001-----#
01109# COMPUTE API
01110# [APIin= 50.00; APIfav= .9000; APIkds= .9956]
01111# [APImax= 65.36; APIfavg= 19.25; APImin= .25]
01112# ****
01113# Barrhaven Conservancy West Developments (WITH INFILTRATION) - PRE DEVELOPMENT CONDITIONS
01114# Dtmn-ID-NHYD-----ARAAh-QPEAKcms-TpeakDate_hh:mm::--Rvnn-R.C.--DWFcms
01115# R0077:COM0004-----#
01116# CONTINUOUS_NASHYD 5.0 01:West_1 14.27 .145 1977.0901_23:50 70.59 .104 .000
01117# [CN=72.0; N= 3.00; Tp= 1.41]
01118# [IaREC= 6.00; SMAX= 264.99; SKW= .030]
01119# [InterEventTime= 12.00]
01120# R0077:COM0005-----#
01121# CONTINUOUS_NASHYD 5.0 01:West_2 20.14 .217 1977.0901_23:55 80.37 n/a .000
01122# [CN=76.0; N= 3.00; Tp= 1.26]
01123# [IaREC= 6.00; SMAX= 324.6; SKW= .030]
01124# [InterEventTime= 12.00]
01125# R0077:COM0006-----#
01126# CONTINUOUS_NASHYD 5.0 01:West_1 14.01 .085 1977.0902_04:40 76.77 .101 .000
01127# [CN=76.0; N= 3.00; Tp= 1.41]
01128# [IaREC= 6.00; SMAX= 2875.84; SKW= .030]
01129# [InterEventTime= 12.00]
01130# R0077:COM0007-----#
01131# ADD HVD 5.0 02:West_1 14.27 .145 1977.0901_23:50 70.59 n/a .000
01132# + 5.0 02:West_2 20.14 .217 1977.0901_23:55 80.37 n/a .000
01133# [CN=76.0; N= 3.00; Tp= 1.26]
01134# [IaREC= 6.00; SMAX= 324.6; SKW= .030]
01135# [InterEventTime= 12.00]
01136# R0077:COM0008-----#
01137# Barrhaven Conservancy West Developments (WITHOUT INFILTRATION) - PRE DEVELOPMENT CONDITIONS
01138# Set infiltration to 0 (CN = 99.99) for water balance analysis
01139# ****
01140# R0077:COM0008-----#
01141# CONTINUOUS_NASHYD 5.0 01:West_1 14.27 .364 1977.0901_23:55 229.46 .339 .000
01142# [CN=100.0; N= 3.00; Tp= 1.41]
01143# [IaREC= 6.00; SMAX= 264.99; SKW= .030]
01144# [InterEventTime= 12.00]
01145# R0077:COM0009-----#
01146# CONTINUOUS_NASHYD 5.0 01:West_2 20.14 .481 1977.0901_23:55 229.46 n/a .000
01147# [CN=100.0; N= 3.00; Tp= 1.26]
01148# [IaREC= 6.00; SMAX= 324.6; SKW= .030]
01149# [InterEventTime= 12.00]
01150# R0077:COM0010-----#
01151# CONTINUOUS_NASHYD 5.0 01:West_1 14.01 .234 1977.0902_02:20 229.46 .339 .000
01152# [CN=100.0; N= 3.00; Tp= 1.41]
01153# [IaREC= 6.00; SMAX= 324.6; SKW= .000]
01154# [InterEventTime= 12.00]
01155# R0077:COM0011-----#
01156# ADD HVD 5.0 02:West_1 14.27 .364 1977.0901_23:50 229.46 n/a .000
01157# + 5.0 02:West_2 20.14 .481 1977.0901_23:55 229.46 n/a .000
01158# [CN=100.0; N= 3.00; Tp= 1.26]
01159# [IaREC= 6.00; SMAX= 324.6; SKW= .000]
01160# [InterEventTime= 12.00]
01161# R0077:COM0012-----#
01162# CONTINUOUS_NASHYD 5.0 01:West_1 14.01 .234 1977.0902_02:20 229.46 n/a .000
01163# [CN=100.0; N= 3.00; Tp= 1.41]
01164# [IaREC= 6.00; SMAX= 324.6; SKW= .000]
01165# END OF RUN 77
01166# ****
01167# ****
01168# ****
01169# ****
01170# ****
01171# R0077:COM0013-----#
01172# R0078:COM0001-----#
01173# START
01174# [INTERPER = .00 hrs on 19780101]
01175# [METOUT= 1] (1=imperial, 2=metric output)
01176# [INSTRNMN 0 ]
01177# [INTERPNT 0 ]
01178# ****
01179# SWHMHO Ver.1.02/Jan 2001 BETA / INPUT DATA FILE
01180# ****
01181# Project Name: Barrhaven Conservancy Development
01182# Project Number: 1474
01183# Date : 20/Oct/18
01184# Modeler : J.Burnett, P.Eng.
01185# Updated : 2022/Dec/07 [JB]
01186# Updated : 2022/Dec/13 [JB]
01187# Updated : 2024/Mar/14 [JB]
01188# Company : J.F. Sabourin and Associates
01189# License # : 2882634
01190# ****
01191# Ottawa International Airport (1967 - 2003)
R0078:COM0002-----#
01193# READ AER DATA
01194# [Filename = YOW_1967_2007.123] 1
01195# [Start_date= 1978.0101; End_date= 1978.1231]
01196# [Dtmn= ID-NHYD; Length= 801 hrs; WetHrs= 7613; DryHrs= 641.40]
01197# Maximum average rainfall intensities over
01198# 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs mm/hr
01199# 36.00 36.20 36.30 36.30 36.50 39.40 40.60 41.60 41.60 .000
01200# 36.00 36.30 36.30 36.30 36.50 39.40 40.60 41.60 41.60 .000
01201# 19780611 19780618 19780618 19780611 19780611 19780612 19780621 date
01202# 19780611 19780618 19780618 19780611 19780611 19780612 19780621
01203# Number of rainfall events per following interval time
01204# 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
01205# 154 128 118 97 71 58 51 46 33
01206# 154 128 118 97 71 58 51 46 33
01207# 154 75 44 18 5 0 0 0 0
01208# R0078:COM0001-----#
01209# COMPUTE API
01210# [APIin= 50.00; APIfav= .9000; APIkds= .9956]
01211# [APImax= 65.36; APIfavg= 19.25; APImin= .25]
01212# ****
01213# Barrhaven Conservancy West Developments (WITH INFILTRATION) - PRE DEVELOPMENT CONDITIONS
01214# Dtmn-ID-NHYD-----ARAAh-QPEAKcms-TpeakDate_hh:mm::--Rvnn-R.C.--DWFcms
01215# R0078:COM0004-----#
01216# CONTINUOUS_NASHYD 5.0 01:West_1 14.27 .180 1978.0618_17:55 53.70 .984 .000
01217# [CN=72.0; N= 3.00; Tp= 1.41]
01218# [IaREC= 6.00; SMAX= 264.99; SKW= .030]
01219# [InterEventTime= 12.00]
01220# R0078:COM0005-----#
01221# CONTINUOUS_NASHYD 5.0 01:West_2 20.14 .264 1978.0618_18:05 61.75 .096 .000
01222# [CN=76.0; N= 3.00; Tp= 1.26]
01223# [IaREC= 6.00; SMAX= 324.6; SKW= .030]
01224# [InterEventTime= 12.00]
01225# R0078:COM0006-----#
01226# CONTINUOUS_NASHYD 5.0 01:West_1 14.01 .098 1978.0618_18:50 52.22 .081 .000
01227# [CN=100.0; N= 3.00; Tp= 2.07]
01228# [IaREC= 6.00; SMAX= 324.6; SKW= .030]
01229# [InterEventTime= 12.00]
01230# R0078:COM0007-----#
01231# ADD HVD 5.0 02:West_1 14.27 .441 1978.0618_17:45 214.51 .334 .000
01232# + 5.0 02:West_2 20.14 .568 1978.0618_17:55 214.53 n/a .000
01233# [CN=76.0; N= 3.00; Tp= 1.26]
01234# [IaREC= 6.00; SMAX= 324.6; SKW= .000]
01235# [InterEventTime= 12.00]
01236# R0078:COM0008-----#
01237# Dtmn-ID-NHYD-----ARAAh-QPEAKcms-TpeakDate_hh:mm::--Rvnn-R.C.--DWFcms
01238# Set infiltration to 0 (CN = 99.99) for water balance analysis
01239# ****
01240# R0078:COM0008-----#
01241# CONTINUOUS_NASHYD 5.0 01:West_1 14.27 .441 1978.0618_17:45 214.51 .334 .000
01242# [CN=100.0; N= 3.00; Tp= 1.41]
01243# [IaREC= 6.00; SMAX= 324.6; SKW= .000]
01244# [InterEventTime= 12.00]
01245# R0078:COM0009-----#
01246# Dtmn-ID-NHYD-----ARAAh-QPEAKcms-TpeakDate_hh:mm::--Rvnn-R.C.--DWFcms
01247# CONTINUOUS_NASHYD 5.0 01:West_2 20.14 .568 1978.0618_17:55 214.53 .334 .000
01248# [CN=76.0; N= 3.00; Tp= 1.26]
01249# [IaREC= 6.00; SMAX= 324.6; SKW= .000]
01250# [InterEventTime= 12.00]
01251# R0078:COM0010-----#
01252# ADD HVD 5.0 02:West_1 14.27 .441 1978.0618_18:40 214.53 .334 .000
01253# + 5.0 02:West_2 20.14 .568 1978.0618_18:40 214.53 n/a .000
01254# [CN=76.0; N= 3.00; Tp= 1.26]
01255# [IaREC= 6.00; SMAX= 324.6; SKW= .000]
01256# [InterEventTime= 12.00]
01257# R0078:COM0011-----#
01258# Dtmn-ID-NHYD-----ARAAh-QPEAKcms-TpeakDate_hh:mm::--Rvnn-R.C.--DWFcms
01259# Set infiltration to 0 (CN = 99.99) for water balance analysis
01260# ****
01261# R0078:COM0011-----#
01262# **** END OF RUN : 78
01263# ****
01264# ****
01265# ****
01266# ****
01267# ****
01268# ****
01269# ****
01270# ****
01271# RUN:#COMMAND#
01272# R0080:COM0001-----#
01273# START
01274# [TZERO= .00 hrs on 19790101]
01275# [INSTRNMN 0 ] (1=imperial, 2=metric output)
01276# [INSTRNMN 0 ] (1=imperial, 2=metric output)
01277# [INSTRNMN 0 ] (1=imperial, 2=metric output)
01278# [INSTRNMN 0 ] (1=imperial, 2=metric output)
01279# SWHMHO Ver.1.02/Jan 2001 BETA / INPUT DATA FILE
01280# ****
01281# Project Name: Barrhaven Conservancy Development
01282# Project Number: 1474
01283# Date : 20/Oct/18
01284# Modeler : J.Burnett, P.Eng.
01285# Updated : 2022/Dec/07 [JB]
01286# Updated : 2022/Dec/13 [JB]
01287# Updated : 2024/Mar/14 [JB]
01288# Company : J.F. Sabourin and Associates
01289# License # : 2882634
01290# ****
01291# Ottawa International Airport (1967 - 2003)
R0080:COM0002-----#
01293# READ AER DATA
01294# [Filename = YOW_1967_2007.123] 1
01295# [Start_date= 1979.0101; End_date= 1979.1231]
01296# [Dtmn= 60:min; Length= 8760 hrs; WetHrs= 546; DryHrs= 8214; PTOT= 866.50]
01297# Maximum average rainfall intensities over
01298# 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs mm/hr
01299# 34.90 22.00 14.67 7.33 5.14 2.63 1.75 1.31 .88
01300# 34.90 44.00 44.00 44.00 61.70 63.00 63.00 63.00 .000
01301# 35.00 35.00 35.00 35.00 35.00 35.00 35.00 35.00 35.00
01302# Number of rainfall events per following interevent time
01303# 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
01304# 124 88 60 35 22 5 1 0 0 0
01305# Number of events with at least the following durations
01306# 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
01307# 127 83 55 35 22 5 1 0 0 0
01308# R0080:COM0003-----#
01309# COMPUTE API
01310# [APIin= 50.00; APIfav= .9000; APIkds= .9956]
01311# [APImax= 78.42; APIfavg= 23.13; APImin= .13]
01312# ****
01313# Barrhaven Conservancy West Developments (WITH INFILTRATION) - PRE DEVELOPMENT CONDITIONS
01314# Dtmn-ID-NHYD-----ARAAh-QPEAKcms-TpeakDate_hh:mm::--Rvnn-R.C.--DWFcms
01315# R0080:COM0004-----#
01316# CONTINUOUS_NASHYD 5.0 01:West_1 14.27 .252 1979.0616_14:55 141.56 .163 .000
01317# [CN=72.0; N= 3.00; Tp= 1.41]
01318# [IaREC= 6.00; SMAX= 39.75; SKW= .030]
01319# [InterEventTime= 12.00]
01320# R0080:COM0005-----#
01321# CONTINUOUS_NASHYD 5.0 01:West_2 20.14 .367 1979.0616_15:00 159.06 .184 .000
01322# [CN=76.0; N= 3.00; Tp= 1.26]
01323# [IaREC= 6.00; SMAX= 264.99; SKW= .030]
01324# [InterEventTime= 12.00]
01325# R0080:COM0006-----#
01326# Dtmn-ID-NHYD-----ARAAh-QPEAKcms-TpeakDate_hh:mm::--Rvnn-R.C.--DWFcms
01327# CONTINUOUS_NASHYD 5.0 01:West_3 14.01 .139 1979.0616_15:45 138.25 .160 .000
01328# [CN=76.0; N= 3.00; Tp= 2.07]
01329# [IaREC= 6.00; SMAX= 41.38; SKW= .030]
01330# [InterEventTime= 12.00]
01331# R0080:COM0007-----#
01332# ADD HVD 5.0 02:West_1 14.27 .252 1979.0616_14:55 141.56 .163 .000
01333# [CN=72.0; N= 3.00; Tp= 1.41]
01334# [IaREC= 6.00; SMAX= 39.75; SKW= .030]
01335# [InterEventTime= 12.00]
01336# R0080:COM0008-----#
01337# Barrhaven Conservancy West Developments (WITHOUT INFILTRATION) - PRE DEVELOPMENT CONDITIONS
01338# Set infiltration to 0 (CN = 99.99) for water balance analysis
01339# ****
01340# R0080:COM0008-----#
01341# CONTINUOUS_NASHYD 5.0 01:West_1 14.27 .561 1979.0616_14:40 372.09 .429 .000
01342# [CN=100.0; N= 3.00; Tp= 1.41]
01343# [IaREC= 6.00; SMAX= 9.24; SKW= .000]
01344# [InterEventTime= 12.00]
01345# R0080:COM0009-----#
01346# CONTINUOUS_NASHYD 5.0 01:West_2 20.14 .725 1979.0616_14:45 372.09 .429 .000
01347# [CN=100.0; N= 3.00; Tp= 1.26]
01348# [IaREC= 6.00; SMAX= 264.99; SKW= .000]
01349# [InterEventTime= 12.00]
01350# R0080:COM0010-----#
01351# Dtmn-ID-NHYD-----ARAAh-QPEAKcms-TpeakDate_hh:mm::--Rvnn-R.C.--DWFcms
01352# CONTINUOUS_NASHYD 5.0 01:West_1 14.01 .318 1979.0616_15:35 372.09 .429 .000
01353# [CN=72.0; N= 3.00; Tp= 2.07]
01354# [IaREC= 6.00; SMAX= 39.75; SKW= .000]
01355# [InterEventTime= 12.00]
01356# R0080:COM0011-----#
01357# Dtmn-ID-NHYD-----ARAAh-QPEAKcms-TpeakDate_hh:mm::--Rvnn-R.C.--DWFcms
01358# CONTINUOUS_NASHYD 5.0 01:West_2 20.14 .561 1979.0616_14:40 372.09 .429 .000
01359# [CN=100.0; N= 3.00; Tp= 1.41]
01360# [IaREC= 6.00; SMAX= 9.24; SKW= .000]
01361# [InterEventTime= 12.00]
01362# R0080:COM0012-----#
01363# **** END OF RUN : 79
01364# ****
01365# ****
01366# ****
01367# ****
01368# ****
01369# ****
01370# ****
01371# R0080:COM0013-----#
01372# R0080:COM0001-----#
01373# START
01374# [TZERO= .00 hrs on 19800101]
01375# [METOUT= 1] (1=imperial, 2=metric output)
01376# [INSTRNMN 0 ]
01377# [INSTRNMN 0 ]
01378# ****
01379# SWHMHO Ver.1.02/Jan 2001 BETA / INPUT DATA FILE
01380# ****
01381# Project Name: Barrhaven Conservancy Development
01382# Project Number: 1474
01383# Date : 20/Oct/18
01384# Modeler : J.Burnett, P.Eng.
01385# Updated : 2022/Dec/07 [JB]
01386# Updated : 2022/Dec/13 [JB]
01387# Updated : 2024/Mar/14 [JB]
01388# Company : J.F. Sabourin and Associates
01389# License # : 2882634
01390# ****
01391# Ottawa International Airport (1967 - 2003)
R0080:COM0002-----#
01393# READ AER DATA
01394# [Filename = YOW_1967_2007.123] 1
01395# [Start_date= 1980.0101; End_date= 1980.1230]
01396# [Dtmn= 60:min; Length= 8760 hrs; WetHrs= 427; DryHrs= 8333; PTOT= 622.00]
01397# Maximum average rainfall intensities over
01398# 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs mm/hr
01399# 15.00 18.40 19.50 28.30 42.80 47.20 48.60 48.60 62.00 .000
01400# 15.00 18.40 19.50 28.30 42.80 47.20 48.60 48.60 62.00 .000
01401# 15.00 18.40 19.50 28.30 42.80 47.20 48.60 48.60 62.00 .000
01402# Number of rainfall events per following interevent time
01403# 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
01404# 151 121 89 54 28 49 44 28
01405# Number of events with at least the following durations
01406# 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
01407# 150 108 85 54 16 4 0 0 0
01408# R0080:COM0003-----#
01409# COMPUTE API
01410# [APIin= 50.00; APIfav= .9000; APIkds= .9956]
01411# [APImax= 65.36; APIfavg= 19.25; APImin= .25]
01412# ****
01413# Barrhaven Conservancy West Developments (WITHOUT INFILTRATION) - PRE DEVELOPMENT CONDITIONS
01414# Dtmn-ID-NHYD-----ARAAh-QPEAKcms-TpeakDate_hh:mm::--Rvnn-R.C.--DWFcms
01415# R0080:COM0004-----#
01416# CONTINUOUS_NASHYD 5.0 01:West_1 14.27 .080 1980.1026_0:30 58.50 .094 .000
01417# [CN=72.0; N= 3.00; Tp= 1.41]
01418# [IaREC= 6.00; SMAX= 39.75; SKW= .030]
01419# [InterEventTime= 12.00]
01420# R0080:COM0005-----#
01421# CONTINUOUS_NASHYD 5.0 01:West_2 20.14 .122 1980.1026_0:35 66.79 .107 .000
01422# [CN=76.0; N= 3.00; Tp= 1.26]
01423# [IaREC= 6.00; SMAX= 264.99; SKW= .030]
01424# [InterEventTime= 12.00]
01425# R0080:COM0006-----#
01426# Dtmn-ID-NHYD-----ARAAh-QPEAKcms-TpeakDate_hh:mm::--Rvnn-R.C.--DWFcms
01427# CONTINUOUS_NASHYD 5.0 01:West_3 20.14 .122 1980.1026_1:10 56.97 .092 .000
01428# [CN=76.0; N= 3.00; Tp= 1.26]
01429# [IaREC= 6.00; SMAX= 41.38; SKW= .030]
01430# [InterEventTime= 12.00]
01431# R0080:COM0007-----#
01432# ADD HVD 5.0 02:West_1 14.27 .080 1980.1026_0:30 58.50 .094 .000
01433# [CN=72.0; N= 3.00; Tp= 1.41]
01434# [IaREC= 6.00; SMAX= 39.75; SKW= .030]
01435# [InterEventTime= 12.00]
01436# R0080:COM0008-----#
01437# Set infiltration to 0 (CN = 99.99) for water balance analysis
01438# ****
01439# R0080:COM0008-----#
01440# Dtmn-ID-NHYD-----ARAAh-QPEAKcms-TpeakDate_hh:mm::--Rvnn-R.C.--DWFcms

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01442: [CONTINUOUS_NASHYD_ 5.0 01:INF-West_1 14.27 .167 1980.0901_21:10 202.99 .326 .000
 01443: [CONTINUOUS_NASHYD_ 5.0 01:INF-West_1 9.24: SKW .000]
 01444: [CONTINUOUS_NASHYD_ 12.00] .
 01445: R0081:CD0009-----DRAIN-ID:NHYD-----ARAAh-QPEAKms-TpeakData_hh:mm:---RVMn-R.C.---DWFcms
 01446: CONTINUOUS_NASHYD_ 5.0 01:INF-West_2 20.14 .221 1980.0901_21:15 202.99 .326 .000
 01447: [CN=100.01: N: 3.00; Tp: 1.24]
 01448: [iAEBC_ 6.00: SMINh_ 1.39: SMAXh_ 9.24: SKW .000]
 01449: [InterEventTime: 12.00]
 01450: R0081:CD0011-----DRAIN-ID:NHYD-----ARAAh-QPEAKms-TpeakData_hh:mm:---RVMn-R.C.---DWFcms
 01451: CONTINUOUS_NASHYD_ 5.0 01:INF-West_3 14.01 .133 1980.0321_16:10 202.99 .326 .000
 01452: [CN=100.01: N: 3.00; Tp: 1.24]
 01453: [iAEBC_ 6.00: SMINh_ 1.39: SMAXh_ 9.24: SKW .000]
 01454: [InterEventTime: 12.00]
 01455: R0081:CD0011-----DRAIN-ID:NHYD-----ARAAh-QPEAKms-TpeakData_hh:mm:---RVMn-R.C.---DWFcms
 01456: ADD RWD + 5.0 02:INF-West_1 20.14 .221 1980.0901_21:10 202.99 n/a .000
 01457: + 5.0 02:INF-West_3 14.01 .133 1980.0321_16:10 202.99 n/a .000
 01458: SUM+ 5.0 02:INF-West_1 20.14 .221 1980.0901_21:10 202.99 n/a .000
 01459: SUM+ 5.0 02:INF-West_3 14.01 .133 1980.0321_16:10 202.99 n/a .000
 01460: #####
 01461: # CONTINUOUS_RAINFALL DATA
 01462: #####
 01463: ** END OF RUN : 80
 01464:
 01465: R0081:COMMAND#
 01466: R0081:CD0001-----
 01467: [TZERO = .00 hrs on 19801001]
 01468: [METOUT= 2 (Imperial, 2=metric output)]
 01469: [INSTRM= 0]
 01470: [INRNU= 0082]
 01471: [INRNU= 0083]
 01472: # SWHMHO Ver:5.02/Jan 2001 <BETA> / INPUT DATA FILE
 01473: Project Name: Barrhaven Conservancy Development
 01474: # Project Number: 1474
 01475: # File Name: Rainfall_Summary.dat
 01476: # Company : J.F. Sabourin and Associates
 01477: License # : 2582634
 01478: #
 01479: # Ottawa International Airport (1967 - 2003)
 01480: R0081:CD0002-----
 01481: # READ A DATA
 01482: # File Name: YOW_1967_2007.123
 01483: # Start Date: 1982.0101 End Date: 1982.1231
 01484: # (DT=60:min; Length= 8760,hrs; NetHrs= 436; DryHrs= 8324; PTOT= 596.10)
 01485: # Modelled : 1.3.Burnett, P.Eng.
 01486: # Updated : 2022/Dec/13 [JB]
 01487: # Company : J.F. Sabourin and Associates
 01488: # License # : 2582634
 01489: #
 01490: #
 01491: #
 01492: R0081:CD0002-----
 01493: # READ A DATA
 01494: # File Name: YOW_1967_2007.123
 01495: # Start Date: 1982.0101 End Date: 1981.1231
 01496: # (DT=60:min; Length= 8760,hrs; NetHrs= 436; DryHrs= 8119; PTOT= 936.40)
 01497: # Modelled : 1.3.Burnett, P.Eng.
 01498: # Updated : 2022/Dec/07 [JB]
 01499: # Company : J.F. Sabourin and Associates
 01500: # License # : 2582634
 01501: #
 01502: Number of rainfall events per following interevent time
 01503: 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs mm/hr
 01504: 226 171 138 109 83 68 59 47 30
 01505: Number of events with at least the following durations
 01506: 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
 01507: 225 128 79 28 7 0 0 0 0
 01508: R0081:CD0003-----
 01509: # READ A DATA
 01510: # (APIntr= 50.00; APIkdy= .9000; APIkdt= .9956)
 01511: # (APIntrmax= 123.49; APIfavg= 25.69; APImin= .26)
 01512: #
 01513: # Barrhaven Conservancy West Developments (WITH INFILTRATION) - PRE DEVELOPMENT CONDITIONS
 01514: R0081:CD0004-----
 01515: CONTINUOUS_NASHYD_ 5.0 01:West_1 14.27 .785 1981.0805_3:05 179.44 .152 .000
 01516: [CN= 72.01: N: 3.00; Tp: 1.41]
 01517: [iAEBC_ 6.00: SMINh_ 39.75: SMAXh_ 244.99; SKW .030]
 01518: [InterEventTime: 12.00]
 01519: R0081:CD0005-----
 01520: CONTINUOUS_NASHYD_ 5.0 01:West_2 20.14 1.116 1981.0805_3:05 196.98 .210 .000
 01521: [CN= 72.01: N: 3.00; Tp: 1.41]
 01522: [iAEBC_ 6.00: SMINh_ 39.75: SMAXh_ 244.99; SKW .030]
 01523: [InterEventTime: 12.00]
 01524: R0081:CD0006-----
 01525: CONTINUOUS_NASHYD_ 5.0 01:West_3 14.01 .557 1981.0805_4:25 176.32 .188 .000
 01526: [CN= 71.01: N: 3.00; Tp: 2.07]
 01527: [iAEBC_ 6.00: SMINh_ 39.75: SMAXh_ 244.99; SKW .030]
 01528: [InterEventTime: 12.00]
 01529: R0081:CD0007-----
 01530: DRAIN-ID:NHYD-----ARAAh-QPEAKms-TpeakData_hh:mm:---RVMn-R.C.---DWFcms
 01531: ADD RWD + 5.0 01:West_1 14.27 .785 1981.0805_3:05 179.44 .152 .000
 01532: + 5.0 02:West_2 20.14 1.116 1981.0805_3:05 196.98 n/a .000
 01533: + 5.0 02:West_3 14.01 .557 1981.0805_4:25 176.32 n/a .000
 01534: SUM+ 5.0 01:West_1 14.27 .785 1981.0805_3:05 179.44 .152 .000
 01535: #####
 01536: # Barrhaven Conservancy West Development (WITHOUT INFILTRATION) - PRE DEVELOPMENT CONDITIONS
 01537: R0081:CD0008-----
 01538: # Set infiltration to 0 (CN = 99.99) for water balance analysis
 01539: R0081:CD0008-----
 01540: # READ A DATA
 01541: CONTINUOUS_NASHYD_ 5.0 01:INF-West_1 14.27 1.007 1981.0805_2:38 387.73 .407 .000
 01542: [CN=100.01: N: 3.00; Tp: 1.14]
 01543: [iAEBC_ 6.00: SMINh_ 39.75: SMAXh_ 244.99; SKW .030]
 01544: [InterEventTime: 12.00]
 01545: R0081:CD0009-----
 01546: CONTINUOUS_NASHYD_ 5.0 01:INF-West_2 20.14 1.352 1981.0805_2:40 380.71 .407 .000
 01547: [CN= 72.01: N: 3.00; Tp: 1.41]
 01548: [iAEBC_ 6.00: SMINh_ 39.75: SMAXh_ 244.99; SKW .030]
 01549: [InterEventTime: 12.00]
 01550: R0081:CD0010-----
 01551: CONTINUOUS_NASHYD_ 5.0 01:INF-West_3 14.01 .710 1981.0805_3:45 380.70 .407 .000
 01552: [CN=100.01: N: 3.00; Tp: 2.07]
 01553: [iAEBC_ 6.00: SMINh_ 39.75: SMAXh_ 244.99; SKW .030]
 01554: [InterEventTime: 12.00]
 01555: R0081:CD0011-----
 01556: ADD RWD + 5.0 01:INF-West_1 14.01 .710 1981.0805_3:45 380.70 .407 .000
 01557: + 5.0 02:INF-West_2 20.14 1.352 1981.0805_3:45 380.70 n/a .000
 01558: + 5.0 02:INF-West_3 14.01 .710 1981.0805_3:45 380.70 n/a .000
 01559: SUM+ 5.0 01:INF-West_1 14.01 .710 1981.0805_3:45 380.70 n/a .000
 01560: #####
 01561: # CONTINUOUS_RAINFALL DATA
 01562: #####
 01563: ** END OF RUN : 81
 01564:
 01565: R0081:CD0001-----
 01566: R0081:CD0001-----
 01567: START
 01568: [TZERO = .00 hrs on 198020101]
 01569: [METOUT= 2 (Imperial, 2=metric output)]
 01570: [INSTRM= 0]
 01571: [INRNU= 0082]
 01572: # SWHMHO Ver:5.02/Jan 2001 <BETA> / INPUT DATA FILE
 01573: Project Name: Barrhaven Conservancy Development
 01574: # Project Number: 1474
 01575: # File Name: Rainfall_Summary.dat
 01576: # Start Date: 2021/Oct/18
 01577: # (DT=60:min; Length= 8760,hrs; NetHrs= 436; DryHrs= 8324; PTOT= 596.10)
 01578: # Modelled : 1.3.Burnett, P.Eng.
 01579: # Updated : 2022/Dec/07 [JB]
 01580: # Company : J.F. Sabourin and Associates
 01581: # License # : 2582634
 01582: #
 01583: #
 01584: # Ottawa International Airport (1967 - 2003)
 01585: R0081:CD0002-----
 01586: # READ A DATA
 01587: # File Name: YOW_1967_2007.123
 01588: # Start Date: 1982.0101 End Date: 1982.1231
 01589: # (DT=60:min; Length= 8760,hrs; NetHrs= 436; DryHrs= 8324; PTOT= 596.10)
 01590: # Modelled : 1.3.Burnett, P.Eng.
 01591: # Updated : 2022/Dec/13 [JB]
 01592: # Company : J.F. Sabourin and Associates
 01593: # License # : 2582634
 01594: #
 01595: #
 01596: # READ A DATA
 01597: # File Name: YOW_1967_2007.123
 01598: # Start Date: 1982.0101 End Date: 1981.1231
 01599: # (DT=60:min; Length= 8760,hrs; NetHrs= 436; DryHrs= 8119; PTOT= 936.40)
 01600: # Modelled : 1.3.Burnett, P.Eng.
 01601: # Updated : 2022/Dec/07 [JB]
 01602: # Company : J.F. Sabourin and Associates
 01603: # License # : 2582634
 01604: #
 01605: Number of rainfall events per following interevent time
 01606: 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs mm/hr
 01607: 134 119 98 66 57 41 27 33
 01608: Number of events with at least the following durations
 01609: 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
 01610: 133 81 58 4 1 0 0 0
 01608: R0081:CD0003-----
 01609: # READ A DATA
 01610: # (APIntr= 50.00; APIkdy= .9000; APIkdt= .9956)
 01611: # (APIntrmax= 56.66; APIfavg= 16.78; APImin= .03)
 01612: #
 01613: # Barrhaven Conservancy West Developments (WITH INFILTRATION) - PRE DEVELOPMENT CONDITIONS
 01614: R0081:CD0004-----
 01615: CONTINUOUS_NASHYD_ 5.0 01:INF-West_1 14.27 .102 1982.0821_21:15 47.17 .079 .000
 01616: [CN= 72.01: N: 3.00; Tp: 1.41]
 01617: [iAEBC_ 6.00: SMINh_ 39.75: SMAXh_ 244.99; SKW .030]
 01618: [InterEventTime: 12.00]
 01619: R0081:CD0005-----
 01620: CONTINUOUS_NASHYD_ 5.0 01:INF-West_2 20.14 .221 1982.0821_21:15 47.17 .079 .000
 01621: [CN=100.01: N: 3.00; Tp: 1.41]
 01622: CONTINUOUS_NASHYD_ 5.0 01:INF-West_2 20.14 .159 1982.0825_12:25 54.10 .091 .000
 01623: [CN= 76.01: N: 3.00; Tp: 1.26]
 01624: [InterEventTime: 12.00]
 01625: R0081:CD0006-----
 01626: CONTINUOUS_NASHYD_ 5.0 01:INF-West_3 14.01 .076 1982.0825_13:35 45.89 .077 .000
 01627: [CN= 71.01: N: 3.00; Tp: 2.07]
 01628: [iAEBC_ 6.00: SMINh_ 41.38: SMAXh_ 275.84; SKW .030]
 01629: [InterEventTime: 12.00]
 01630: R0081:CD0007-----
 01631: ADD RWD + 5.0 02:INF-West_1 14.27 .102 1982.0821_21:15 47.17 n/a .000
 01632: + 5.0 02:INF-West_2 20.14 .221 1982.0821_21:15 47.17 n/a .000
 01633: + 5.0 02:INF-West_3 14.01 .076 1982.0825_13:35 45.89 n/a .000
 01634: SUM+ 5.0 01:INF-West_1 14.27 .102 1982.0821_21:15 47.17 n/a .000
 01635: #####
 01636: # Barrhaven Conservancy West Developments (WITHOUT INFILTRATION) - PRE DEVELOPMENT CONDITIONS
 01637: R0081:CD0008-----
 01638: # Set infiltration to 0 (CN = 99.99) for water balance analysis
 01639: R0081:CD0008-----
 01640: # READ A DATA
 01641: CONTINUOUS_NASHYD_ 5.0 01:INF-West_2 20.14 .358 1982.0825_11:40 182.36 .306 .000
 01642: [CN=100.01: N: 3.00; Tp: 1.26]
 01643: [iAEBC_ 6.00: SMINh_ 1.39: SMAXh_ 9.24: SKW .000]
 01644: [InterEventTime: 12.00]
 01645: R0081:CD0009-----
 01646: CONTINUOUS_NASHYD_ 5.0 01:INF-West_2 20.14 .147 1982.0825_12:15 47.17 n/a .000
 01647: [CN=100.01: N: 3.00; Tp: 1.26]
 01648: [iAEBC_ 6.00: SMINh_ 1.39: SMAXh_ 9.24: SKW .000]
 01649: [InterEventTime: 12.00]
 01650: R0081:CD0010-----
 01651: CONTINUOUS_NASHYD_ 5.0 01:INF-West_3 14.01 .196 1982.0825_12:45 182.36 .306 .000
 01652: [CN=100.01: N: 3.00; Tp: 2.07]
 01653: [iAEBC_ 6.00: SMINh_ 1.39: SMAXh_ 9.24: SKW .000]
 01654: [InterEventTime: 12.00]
 01655: R0081:CD0011-----
 01656: ADD RWD + 5.0 02:INF-West_1 14.27 .102 1982.0825_11:40 182.36 n/a .000
 01657: + 5.0 02:INF-West_2 20.14 .358 1982.0825_11:40 182.36 n/a .000
 01658: + 5.0 02:INF-West_3 14.01 .196 1982.0825_12:45 182.36 n/a .000
 01659: SUM+ 5.0 01:INF-West_1 14.27 .102 1982.0825_11:40 182.36 n/a .000
 01660: #####
 01661: # CONTINUOUS_RAINFALL DATA
 01662: #####
 01663: ** END OF RUN : 82
 01664:
 01665: R0081:COMMAND#
 01666: R0081:CD0001-----
 01667: START
 01668: [TZERO = .00 hrs on 19801001]
 01669: [METOUT= 2 (Imperial, 2=metric output)]
 01670: [INSTRM= 0]
 01671: [INRNU= 0083]
 01672: # SWHMHO Ver:5.02/Jan 2001 <BETA> / INPUT DATA FILE
 01673: Project Name: Barrhaven Conservancy Development
 01674: # Project Number: 1474
 01675: # File Name: Rainfall_Summary.dat
 01676: # Start Date: 1984.0101 End Date: 1984.1230
 01677: # (DT=60:min; Length= 8760,hrs; NetHrs= 308; DryHrs= 8452; PTOT= 459.40)
 01678: # Maximum average rainfall intensities over
 01679: 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs mm/hr
 01680: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01681: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01682: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01683: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01684: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01685: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01686: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01687: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01688: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01689: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01690: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01691: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01692: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01693: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01694: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01695: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01696: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01697: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01698: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01699: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01700: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01701: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01702: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01703: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01704: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01705: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01706: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01707: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01708: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01709: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01710: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01711: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01712: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01713: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01714: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01715: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01716: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01717: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01718: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01719: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01720: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01721: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01722: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01723: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01724: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01725: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01726: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01727: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01728: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01729: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01730: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01731: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01732: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01733: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01734: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01735: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01736: 19.80 10.75 6.60 5.83 3.36 1.68 1.12 0.96 0.80
 01737: 19.80 10.75 6.60 5.83 3.36 1.68

01801: 19840812 19840812 198408012 198408006 198408012 19840813 19840813 19840813 date
01802: Number of rainfall events per following interevent time
01803: 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
01804: 98 80 75 63 55 48 40 34 26
01805: Number of events with at least the following durations
01806: 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
01807: 97 58 49 41 3 0 0 0 0
01808: R00841C00003-----
01809: # APInitm 50.00: APIkdy_ = .9000: APIkdt_ = .9956
01810: (#APImax 66.83: APIavg_ = 13.22 APImin_ = .00)
01811: #-----
01812: # Barrhaven Conservancy West Developments (WITH INFILTRATION) - PRE DEVELOPMENT CONDITIONS
01813: #-----
01814: #-----
01815: R00841C0004-----
01816: [CONTINUOUS_NASHYD_ 8.0 01West_1 14.27 .125 1984.0812_7:05 49.90 .109 .000
01817: [CN=72.01; N= 3,000; Tp= 1:14]
01818: [iAEBC_ 6.01; SMIN_ 39.75; SMAX_264.99; SK= 030]
01819: [InterEventTime_ 12.00]
01820: R00841C0005-----
01821: [Dtnin-ID=NHYD_ ARRAha-QPEAKcms-Tpeakdate_hh:mm:--RVMn-R.C.--DWFcms
01822: [CONTINUOUS_NASHYD_ 5.0 01West_3 20.14 .162 1984.0813_7:15 56.90 .124 .000
01823: [iAEBC_ 6.01; SMIN_ 39.75; SMAX_264.99; SK= 030]
01824: [InterEventTime_ 12.00]
01825: R00841C0006-----
01826: [CONTINUOUS_NASHYD_ 5.0 01West_3 14.01 .073 1984.0813_8:35 49.62 .106 .000
01827: [CN=71.01; N= 3,000; Tp= 2:07]
01828: [iAEBC_ 6.01; SMIN_ 39.75; SMAX_217.84; SK= 030]
01829: [InterEventTime_ 12.00]
01830: R00841C0007-----
01831: [Dtnin-ID=NHYD_ ARRAha-QPEAKcms-Tpeakdate_hh:mm:--RVMn-R.C.--DWFcms
01832: ADD HYD + 5.0 02West_2 20.14 .162 1984.0813_7:15 56.92 n/a .000
01833: SUM 5.0 01West_3 14.01 .073 1984.0813_8:35 49.62 n/a .000
01834: #-----
01835: # Barrhaven Conservancy West Developments (WITHOUT INFILTRATION) - PRE DEVELOPMENT CONDITIONS
01836: #-----
01837: #-----
01838: # Set Infiltration to 0 (CN = 99.99) for water balance analysis
01839: #-----
01840: R00841C0008-----
01841: [CONTINUOUS_NASHYD_ 8.0 01West_1 14.27 .125 1984.0812_7:05 49.90 n/a .000
01842: [CN=100.01; N= 3,000; Tp= 1:14]
01843: [iAEBC_ 6.01; SMIN_ 39.75; SMAX_ 9.24; SK= 000]
01844: [InterEventTime_ 12.00]
01845: R00841C0009-----
01846: [CONTINUOUS_NASHYD_ 5.0 01West_2 20.14 .287 1984.0812_7:50 167.70 .365 .000
01847: [CN=100.01; N= 3,000; Tp= 1:14]
01848: [iAEBC_ 6.01; SMIN_ 39.75; SMAX_ 9.24; SK= 000]
01849: [InterEventTime_ 12.00]
01850: R00841C0010-----
01851: [CONTINUOUS_NASHYD_ 5.0 01West_3 14.01 .142 1984.0807_0:00 167.70 .365 .000
01852: [CN=100.01; N= 3,000; Tp= 2:07]
01853: [iAEBC_ 6.01; SMIN_ 39.75; SMAX_ 9.24; SK= 000]
01854: [InterEventTime_ 12.00]
01855: R00841C0011-----
01856: [Dtnin-ID=NHYD_ ARRAha-QPEAKcms-Tpeakdate_hh:mm:--RVMn-R.C.--DWFcms
01857: ADD HYD + 5.0 02INF-West_2 20.14 .287 1984.0807_0:00 167.70 n/a .000
01858: SUM 5.0 01INF-West_3 14.01 .142 1984.0807_0:00 167.70 n/a .000
01859: #-----
01860: # CONTINUOUS RAINFALL DATA
01861: #-----
01862: *** END OF RUN : 84
01863: #-----
01864: #-----
01865: #-----
01866: #-----
01867: #-----
01868: #-----
01869: #-----
01870: #-----
01871: RUN#COMMAND#
01872: R00851C0001-----
01873: START
01874: [{TZERO = 0.00 hrs on 1980100101}
01875: [{METOUT= 2 (Imperial, 2=metric output)}
01876: [{INSTRM= 0 }]
01877: [{NRUN= 0085 }]
01878: #-----
01879: # SWHMHO Ver.5.02/Jan 2001 **(BETA)** / INPUT DATA FILE
01880: #-----
01881: # Project Name: Barrhaven Conservancy Development
01882: # ModelNumber: 1474
01883: # Date: 2021/Oct/18
01884: # Modeler : J.Burnett, P.Eng.
01885: # Updated : 2022/Dec/13 [JB]
01886: # Updated : 2022/Mar/14 [JB]
01887: # Updated : 2024/Mar/14 [JB]
01888: # Company: J.F. Sabourin and Associates
01889: # License #: 2582634
01890: #-----
01891: # Ottawa International Airport (1987 - 2003)
01892: R00851C0002-----
01893: #-----
01894: # READ AER DATA
01895: #-----
01896: [Filename = YOW_1987_2007.123
01897: [Start_date= 1985.0101; End_date= 1985.1231]
01898: [(DT= 60: min; Length= 8760; hrs; Nethrs= 354; DryHrs= 8406; PTOT= 559.90)
01899: Max/min average rainfall intensities over:
01900: 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
01901: 19.00 13.60 11.73 6.60 3.30 1.65 1.11 .89 .60 mm/hr
01902: 13.60 10.00 8.33 4.00 2.00 1.00 0.50 40.10 42.80 43.40 mm
01903: 19850716 19850617 19850617 19850618 19850618 19850618 19850618 date
01904: Number of rainfall events per following interevent time
01905: 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
01906: 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
01907: 17 70 43 0 0 0 0 0 0 0
01908: R00851C0003-----
01909: COMPUTER API
01910: (#APInitm 50.00: APIkdy_ = .9000: APIkdt_ = .9956)
01911: (#APImax 57.29: APIavg_ = 15.86: APImin_ = .20)
01912: #-----
01913: # Barrhaven Conservancy West Developments (WITH INFILTRATION) - PRE DEVELOPMENT CONDITIONS
01914: #-----
01915: R00851C0004-----
01916: [Dtnin-ID=NHYD_ ARRAha-QPEAKcms-Tpeakdate_hh:mm:--RVMn-R.C.--DWFcms
01917: [CONTINUOUS_NASHYD_ 5.0 01West_1 14.27 .125 1985.0618_0:35 52.48 .094 .000
01918: [CN=72.01; N= 3,000; Tp= 1:14]
01919: [iAEBC_ 6.01; SMIN_ 39.75; SMAX_264.99; SK= 030]
01920: R00851C0005-----
01921: [CONTINUOUS_NASHYD_ 5.0 01West_2 20.14 .192 1985.0618_0:40 60.37 .108 .000
01922: [CN=100.01; N= 3,000; Tp= 1:14]
01923: [iAEBC_ 6.01; SMIN_ 39.75; SMAX_216.39; SK= 030]
01924: [InterEventTime_ 12.00]
01925: R00851C0006-----
01926: [CONTINUOUS_NASHYD_ 5.0 01West_3 14.01 .441 1985.0618_0:15 212.50 .380 .000
01927: [CN=71.01; N= 3,000; Tp= 2:07]
01928: [iAEBC_ 6.01; SMIN_ 39.75; SMAX_217.84; SK= 030]
01929: [InterEventTime_ 12.00]
01930: R00851C0007-----
01931: [Dtnin-ID=NHYD_ ARRAha-QPEAKcms-Tpeakdate_hh:mm:--RVMn-R.C.--DWFcms
01932: ADD HYD + 5.0 02West_1 20.14 .125 1985.0618_0:10 212.50 .380 .000
01933: SUM 5.0 01West_3 14.01 .441 1985.0618_0:15 212.50 .380 .000
01934: #-----
01935: # Barrhaven Conservancy West Developments (WITHOUT INFILTRATION) - PRE DEVELOPMENT CONDITIONS
01936: #-----
01937: #-----
01938: #-----
01939: #-----
01940: R00851C0008-----
01941: [CONTINUOUS_NASHYD_ 5.0 01West_1 14.27 .328 1985.0618_0:10 212.50 n/a .000
01942: [CN=100.01; N= 3,000; Tp= 1:14]
01943: [iAEBC_ 6.01; SMIN_ 39.75; SMAX_ 9.24; SK= 000]
01944: [InterEventTime_ 12.00]
01945: R00851C0009-----
01946: [CONTINUOUS_NASHYD_ 5.0 01West_2 20.14 .441 1985.0618_0:15 212.50 .380 .000
01947: [CN=100.01; N= 3,000; Tp= 2:07]
01948: [iAEBC_ 6.01; SMIN_ 39.75; SMAX_ 9.24; SK= 000]
01949: [InterEventTime_ 12.00]
01950: R00851C0010-----
01951: [CONTINUOUS_NASHYD_ 5.0 01West_3 14.01 .224 1985.0618_0:20 212.50 .380 .000
01952: [CN=100.01; N= 3,000; Tp= 2:07]
01953: [iAEBC_ 6.01; SMIN_ 39.75; SMAX_ 9.24; SK= 000]
01954: [InterEventTime_ 12.00]
01955: R00851C0011-----
01956: ADD HYD + 5.0 02INF-West_1 20.14 .328 1985.0618_0:20 212.50 n/a .000
01957: SUM 5.0 01INF-West_3 14.01 .224 1985.0618_0:20 212.50 n/a .000
01958: #-----
01959: # CONTINUOUS RAINFALL DATA
01960: #-----
01961: *** END OF RUN : 85
01962: #-----
01963: #-----
01964: #-----
01965: #-----
01966: #-----
01967: #-----
01968: #-----
01969: #-----
01970: #-----
01971: RUN#COMMAND#
01972: R00851C0001-----
01973: START
01974: [{TZERO = 0.00 hrs on 1986010101}
01975: [{METOUT= 2 (Imperial, 2=metric output)}
01976: [{INSTRM= 0 }]
01977: [{NRUN= 0086 }]
01978: #-----
01979: # SWHMHO Ver.5.02/Jan 2001 **(BETA)** / INPUT DATA FILE
01980: #-----

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02161> # CONTINUOUS RAINFALL DATA
02162> ****END OF RUN : 87
02163> ****
02164> ****
02165> ****
02166> ****
02167> ****
02168> ****
02169> ****
02170> ****
02171> RUN#:COMMAND#
02172> RO088:CO0001-
02173> START
02174> [{TZERO = .00 hrs on 19880101}
02175> [{METOUT= 2. (Imperial, 2=metric output)]
02176> [{INSTR0= 0.]
02177> [{NRUN= 089}]
02178> ****
02179> # SWMMH YMO Ver:02/Jan 2001 <BT&TA> / INPUT DATA FILE
02180> ****
02181> # Project Name: Barrhaven Conservancy Development
02182> # Project Number: 1
02183> # Date : 2021/Oct/18
02184> # Modeler : J.Burnett, P.Eng.
02185> # Updated : 2022/Dec/13 [JB]
02186> # Updated : 2022/Dec/13 [JB]
02187> # Updated : 2024/Mar/14 [JB]
02188> # Company : J.F. Sabourin and Associates
02189> # License # : 2582634
02190> ****
02191> # Ottawa International Airport (1967 - 2003)
02192> RO088:CO0002-
02193> * READ AHS DATA
02194> [{Filename = YOM_1967_2007.123}
02195> [{Start_date= 1988.0101_End_date= 1988.1230}]
02196> [{DT= 60:min; Length= 8760; hrs= Methrs= 487; DryHrs= 8273; PTOT= 643.80}]
02197> Maximum average rainfall intensities over
02198> 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
02199> 25.50 12.77 7.37 3.78 1.91 0.27 .94 mm/hr
02200> 25.50 36.40 46.38 45.40 45.80 45.80 67.40
02201> 198806251302 198806251302 198806251302 198806251302 198806251302 date
02202> Number of rainfall events per following interevent time
02203> 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
02204> 15 45 130 300 100 45 42 0 0
02205> Number of events with at least the following durations
02206> 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
02207> 104 102 75 75 5 0 0 0 0
02208> RO088:CO0003-
02209> COMPUTE API
02210> [{APIfmax= 50.00; APIkdr= .9000; APIkdt= .9956}
02211> ({APImax= 66.04; APIAvg= 18.06; APImin= .03}]
02212> ****
02213> # Barrhaven Conservancy West Developments (WITH INFILTRATION) - PRE DEVELOPMENT CONDITIONS
02214> ****
02215> RO088:CO0004-
02216> {Dtn=ID-NHYD---AREAh-QPEAKms-TpeakDate_h:mm---RVm=R.C.--DWFcms
02217> CONTINUOUS_NASHRD 5.0 01:INF-West_1 14.27 .228 1988.625_13:40 66.49 .103 .000
02218> [{IAEBC= 6.00; SMIN= 39.75; SMAX=264.99; SKw= .030]
02219> [{InterEventTime= 12.00}]
02220> RO088:CO0005-
02221> {Dtn=ID-NHYD---AREAh-QPEAKms-TpeakDate_h:mm---RVm=R.C.--DWFcms
02222> CONTINUOUS_NASHRD 5.0 01:INF-West_2 20.14 .337 1988.625_13:45 75.66 .118 .000
02223> [{CN= 76.01; N= 3.00; Tp= 1.26}]
02224> [{InterEventTime= 12.00}]
02225> RO088:CO0006-
02226> {Dtn=ID-NHYD---AREAh-QPEAKms-TpeakDate_h:mm---RVm=R.C.--DWFcms
02227> CONTINUOUS_NASHRD 5.0 01:INF-West_3 14.01 .135 1988.625_14:30 64.79 .101 .000
02228> [{CN= 71.01; N= 3.00; Tp= 2.07}]
02229> [{IAEBC= 6.00; SMIN= 11.38; SMAX=275.84; SKw= .030]
02230> [{InterEventTime= 12.00}]
02231> RO088:CO0007-
02232> {Dtn=ID-NHYD---AREAh-QPEAKms-TpeakDate_h:mm---RVm=R.C.--DWFcms
02233> ADD HYD 5.0 02:West_1 .228 1988.625_13:40 66.49 n/a .000
02234> + 5.0 02:West_2 20.14 .337 1988.625_13:45 75.66 n/a .000
02235> SUM= 5.0 01:West>Total 48.42 .681 1988.625_13:40 69.81 n/a .000
02236> [{CN= 72.01; N= 3.00; Tp= 1.26}]
02237> [{IAEBC= 6.00; SMIN= 13.89; SMAX= 9.24; SKw= .000]
02238> [{InterEventTime= 12.00}]
02239> RO088:CO0008-
02240> {Dtn=ID-NHYD---AREAh-QPEAKms-TpeakDate_h:mm---RVm=R.C.--DWFcms
02241> CONTINUOUS_NASHRD 5.0 01:INF-West_1 14.27 .467 1988.625_13:25 208.89 .324 .000
02242> [{CN= 100.01; N= 3.00; Tp= 1.26}]
02243> [{IAEBC= 6.00; SMIN= 1.39; SMAX= 9.24; SKw= .000]
02244> [{InterEventTime= 12.00}]
02245> RO088:CO0009-
02246> {Dtn=ID-NHYD---AREAh-QPEAKms-TpeakDate_h:mm---RVm=R.C.--DWFcms
02247> CONTINUOUS_NASHRD 5.0 01:INF-West_2 20.14 .619 1988.625_13:30 208.89 .324 .000
02248> [{CN= 70.01; N= 3.00; Tp= 1.26}]
02249> [{InterEventTime= 12.00}]
02250> RO088:CO0010-
02251> {Dtn=ID-NHYD---AREAh-QPEAKms-TpeakDate_h:mm---RVm=R.C.--DWFcms
02252> CONTINUOUS_NASHRD 5.0 01:INF-West_3 14.01 .297 1988.625_14:15 208.89 .324 .000
02253> [{CN= 100.01; N= 3.00; Tp= 2.07}]
02254> [{IAEBC= 6.00; SMIN= 1.39; SMAX= 9.24; SKw= .000]
02255> [{InterEventTime= 12.00}]
02256> RO088:CO0008-
02257> {Dtn=ID-NHYD---AREAh-QPEAKms-TpeakDate_h:mm---RVm=R.C.--DWFcms
02258> ADD HYD 5.0 02:INF-West_1 .467 1988.625_13:25 208.89 n/a .000
02259> + 5.0 02:INF-West_2 20.14 .619 1988.625_13:30 208.89 n/a .000
02260> SUM= 5.0 01:INF-West>Total 48.42 .681 1988.625_13:35 208.89 n/a .000
02261> [{CN= 72.01; N= 3.00; Tp= 1.26}]
02262> [{IAEBC= 6.00; SMIN= 1.39; SMAX= 9.24; SKw= .000]
02263> [{InterEventTime= 12.00}]
02264> RO088:CO0009-
02265> {Dtn=ID-NHYD---AREAh-QPEAKms-TpeakDate_h:mm---RVm=R.C.--DWFcms
02266> ADD HYD 5.0 02:INF-West_1 .467 1988.625_13:25 208.89 n/a .000
02267> + 5.0 02:INF-West_2 20.14 .619 1988.625_13:30 208.89 n/a .000
02268> SUM= 5.0 01:INF-West>Total 48.42 .681 1988.625_13:35 208.89 n/a .000
02269> [{CN= 72.01; N= 3.00; Tp= 1.26}]
02270> [{IAEBC= 6.00; SMIN= 1.39; SMAX= 9.24; SKw= .000]
02271> [{InterEventTime= 12.00}]
02272> RO088:CO0010-
02273> START
02274> [{TZERO = .00 hrs on 19890101}
02275> [{METOUT= 2. (Imperial, 2=metric output)]
02276> [{INSTR0= 0.]
02277> [{NRUN= 089}]
02278> ****
02279> # SWMMH YMO Ver:02/Jan 2001 <BT&TA> / INPUT DATA FILE
02280> ****
02281> # Project Name: Barrhaven Conservancy Development
02282> # Project Number: 1
02283> # Date : 2021/Oct/18
02284> # Modeler : J.Burnett, P.Eng.
02285> # Updated : 2022/Dec/07 [JB]
02286> # Updated : 2022/Dec/07 [JB]
02287> # Updated : 2024/Mar/14 [JB]
02288> # Company : J.F. Sabourin and Associates
02289> # License # : 2582634
02290> ****
02291> # Ottawa International Airport (1967 - 2003)
02292> RO088:CO0002-
02293> * READ AHS DATA
02294> [{Filename = YOM_1967_2007.123}
02295> [{Start_date= 1989.0101_End_date= 1989.1231}]
02296> [{DT= 60:min; Length= 8400; hrs= Methrs= 422; DryHrs= 7616; PTOT= 523.20}]
02297> Maximum average rainfall intensities over
02298> 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
02299> 22.70 12.60 5.75 3.03 1.69 1.14 .86 .59 mm/hr
02300> 22.70 25.20 26.89 34.50 36.30 40.60 40.90 41.30 42.50
02301> 1988027 1988027 1988027 1988027 1988027 1988027 1988027 1988027 1988027 date
02302> Number of rainfall events per following interevent time
02303> 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
02304> 151 300 100 45 42 37 29
02305> Number of events with at least the following durations
02306> 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
02307> 100 81 52 19 5 0 0 0 0
02308> RO088:CO0003-
02309> COMPUTE API
02310> [{APIfmax= 50.00; APIkdr= .9000; APIkdt= .9956}
02311> ({APImax= 66.04; APIAvg= 18.06; APImin= .03}]
02312> ****
02313> # Barrhaven Conservancy West Developments (WITH INFILTRATION) - PRE DEVELOPMENT CONDITIONS
02314> ****
02315> RO088:CO0004-
02316> {Dtn=ID-NHYD---AREAh-QPEAKms-TpeakDate_h:mm---RVm=R.C.--DWFcms
02317> CONTINUOUS_NASHRD 5.0 01:West_1 14.27 .098 1989.0727_16:05 41.43 .079 .000
02318> [{IAEBC= 6.00; SMIN= 39.75; SMAX=264.99; SKw= .030]
02319> [{InterEventTime= 12.00}]
02320> RO088:CO0006-
02321> {Dtn=ID-NHYD---AREAh-QPEAKms-TpeakDate_h:mm---RVm=R.C.--DWFcms
02322> CONTINUOUS_NASHRD 5.0 01:West_2 20.14 .147 1989.0727_16:15 47.59 .095 .000
02323> [{CN= 76.01; N= 3.00; Tp= 1.26}]
02324> [{IAEBC= 6.00; SMIN= 1.39; SMAX=264.99; SKw= .030]
02325> [{InterEventTime= 12.00}]
02326> RO088:CO0007-
02327> {Dtn=ID-NHYD---AREAh-QPEAKms-TpeakDate_h:mm---RVm=R.C.--DWFcms
02328> CONTINUOUS_NASHRD 5.0 01:West_3 14.01 .060 1989.0727_17:15 40.31 .077 .000
02329> [{CN= 71.01; N= 3.00; Tp= 2.07}]
02330> [{IAEBC= 6.00; SMIN= 1.39; SMAX=275.84; SKw= .030]
02331> [{InterEventTime= 12.00}]
02332> RO088:CO0008-
02333> {Dtn=ID-NHYD---AREAh-QPEAKms-TpeakDate_h:mm---RVm=R.C.--DWFcms
02334> ADD HYD 5.0 02:West_1 14.27 .096 1989.0727_16:05 41.43 n/a .000
02335> + 5.0 02:West_2 20.14 .147 1989.0727_16:15 47.59 n/a .000
02336> SUM= 5.0 01:West>Total 48.42 .292 1989.0727_16:20 43.66 n/a .000
02337> [{CN= 72.01; N= 3.00; Tp= 1.26}]
02338> [{IAEBC= 6.00; SMIN= 1.39; SMAX=264.99; SKw= .030]
02339> [{InterEventTime= 12.00}]
02340> RO088:CO0009-
02341> # CONTINUOUS RAINFALL DATA
02342> [{Dtn=ID-NHYD---AREAh-QPEAKms-TpeakDate_h:mm---RVm=R.C.--DWFcms
02343> CONTINUOUS_NASHRD 5.0 01:INF-West_1 14.27 .329 1989.0727_16:50 159.72 .305 .000
02344> [{IAEBC= 6.00; SMIN= 1.39; SMAX= 9.24; SKw= .000]
02345> [{InterEventTime= 12.00}]
02346> RO088:CO0010-
02347> {Dtn=ID-NHYD---AREAh-QPEAKms-TpeakDate_h:mm---RVm=R.C.--DWFcms
02348> CONTINUOUS_NASHRD 5.0 01:INF-West_2 20.14 .428 1989.0727_15:55 159.72 .305 .000
02349> [{IAEBC= 6.00; SMIN= 1.39; SMAX= 9.24; SKw= .000]
02350> [{InterEventTime= 12.00}]
02351> # CONTINUOUS RAINFALL DATA
02352> [{Dtn=ID-NHYD---AREAh-QPEAKms-TpeakDate_h:mm---RVm=R.C.--DWFcms
02353> CONTINUOUS_NASHRD 5.0 01:INF-West_3 14.01 .199 1989.0727_16:50 159.72 .305 .000
02354> [{IAEBC= 6.00; SMIN= 1.39; SMAX= 9.24; SKw= .000]
02355> [{InterEventTime= 12.00}]
02356> RO088:CO0011-
02357> {Dtn=ID-NHYD---AREAh-QPEAKms-TpeakDate_h:mm---RVm=R.C.--DWFcms
02358> ADD HYD + 5.0 02:INF-West_2 20.14 .428 1989.0727_15:55 159.72 n/a .000
02359> [{IAEBC= 6.00; SMIN= 1.39; SMAX= 9.24; SKw= .000]
02360> [{InterEventTime= 12.00}]
02361> # CONTINUOUS RAINFALL DATA
02362> [{Dtn=ID-NHYD---AREAh-QPEAKms-TpeakDate_h:mm---RVm=R.C.--DWFcms
02363> CONTINUOUS_NASHRD 5.0 01:INF-West_3 14.01 .199 1989.0727_15:55 159.72 n/a .000
02364> [{IAEBC= 6.00; SMIN= 1.39; SMAX= 9.24; SKw= .000]
02365> [{InterEventTime= 12.00}]
02366> RO088:CO0012-
02367> {Dtn=ID-NHYD---AREAh-QPEAKms-TpeakDate_h:mm---RVm=R.C.--DWFcms
02368> ADD HYD + 5.0 02:INF-West_2 20.14 .428 1989.0727_15:55 159.72 n/a .000
02369> [{IAEBC= 6.00; SMIN= 1.39; SMAX= 9.24; SKw= .000]
02370> [{InterEventTime= 12.00}]
02371> RUN#:COMMAND#
02372> RO091:CO0001-
02373> START
02374> [{TZERO = .00 hrs on 1990101}
02375> [{METOUT= 2. (Imperial, 2=metric output)]
02376> [{INSTR0= 0.]
02377> [{NRUN= 091}]
02378> ****
02379> # SWMMH YMO Ver:02/Jan 2001 <BT&TA> / INPUT DATA FILE
02380> ****
02381> # Project Name: Barrhaven Conservancy Development
02382> # Project Number: 1
02383> # Date : 2021/Oct/18
02384> # Modeler : J.Burnett, P.Eng.
02385> # Updated : 2022/Dec/13 [JB]
02386> # Updated : 2022/Dec/13 [JB]
02387> # Updated : 2024/Mar/14 [JB]
02388> # Company : J.F. Sabourin and Associates
02389> # License # : 2582634
02390> ****
02391> # Ottawa International Airport (1967 - 2003)
02392> RO091:CO0002-
02393> * READ AHS DATA
02394> [{Filename = YOM_1967_2007.123}
02395> [{Start_date= 1990.0101_End_date= 1990.1231}]
02396> [{DT= 60:min; Length= 8400; hrs= Methrs= 486; DryHrs= 7554; PTOT= 556.00}]
02397> Maximum average rainfall intensities over
02398> 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
02399> 20.60 24.50 28.80 35.20 53.20 54.00 54.00 55.00 76.40 mm/hr
02400> 20.60 24.50 28.80 35.20 53.20 54.00 54.00 55.00 76.40
02401> 1990072 1990072 1990072 1990072 1990072 1990072 1990072 1990072 1990072 date
02402> Number of rainfall events per following interevent time
02403> 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
02404> 204 156 141 107 84 66 55 47 33
02405> Number of events with at least the following durations
02406> 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
02407> 203 116 95 55 31 6 0 0 0
02408> RO091:CO0003-
02409> COMPUTE API
02410> [{APIfmax= 50.00; APIkdr= .9000; APIkdt= .9956}
02411> ({APImax= 75.10; APIAvg= 27.45; APImin= 3.10}]
02412> ****
02413> # Barrhaven Conservancy West Developments (WITH INFILTRATION) - PRE DEVELOPMENT CONDITIONS
02414> ****
02415> RO091:CO0004-
02416> {Dtn=ID-NHYD---AREAh-QPEAKms-TpeakDate_h:mm---RVm=R.C.--DWFcms
02417> CONTINUOUS_NASHRD 5.0 01:West_1 14.27 .186 1990.0720_14:05 85.06 .117 .000
02418> [{IAEBC= 6.00; SMIN= 19.75; SMAX=264.99; SKw= .030]
02419> [{InterEventTime= 12.00}]
02420> RO091:CO0005-
02421> {Dtn=ID-NHYD---AREAh-QPEAKms-TpeakDate_h:mm---RVm=R.C.--DWFcms
02422> CONTINUOUS_NASHRD 5.0 01:West_2 20.14 .274 1990.0720_14:10 96.52 .133 .000
02423> [{IAEBC= 6.00; SMIN= 1.00; N= 3.00; Tp= 1.26}]
02424> [{InterEventTime= 12.00}]
02425> RO091:CO0006-
02426> {Dtn=ID-NHYD---AREAh-QPEAKms-TpeakDate_h:mm---RVm=R.C.--DWFcms
02427> CONTINUOUS_NASHRD 5.0 01:West_3 14.01 .126 1990.0720_14:55 82.91 .114 .000
02428> [{IAEBC= 6.00; SMIN= 19.75; SMAX=275.84; SKw= .030]
02429> [{InterEventTime= 12.00}]
02430> RO091:CO0007-
02431> {Dtn=ID-NHYD---AREAh-QPEAKms-TpeakDate_h:mm---RVm=R.C.--DWFcms
02432> ADD HYD 5.0 02:West_1 14.27 .186 1990.0720_14:15 95.06 .056 .000
02433> + 5.0 02:West_2 20.14 .274 1990.0720_14:20 96.52 n/a .000
02434> SUM= 5.0 01:West>Total 48.42 .441 1990.0720_14:20 96.52 n/a .000
02435> [{IAEBC= 6.00; SMIN= 1.00; N= 3.00; Tp= 2.07}]
02436> [{InterEventTime= 12.00}]
02437> RO091:CO0008-
02438> {Dtn=ID-NHYD---AREAh-QPEAKms-TpeakDate_h:mm---RVm=R.C.--DWFcms
02439> ADD INFIL + Set infiltration to 0 (CN = 99.99) for water balance analysis
02440> [{IAEBC= 6.00; SMIN= 1.39; SMAX= 9.24; SKw= .000]
02441> [{InterEventTime= 12.00}]
02442> RO091:CO0009-
02443> {Dtn=ID-NHYD---AREAh-QPEAKms-TpeakDate_h:mm---RVm=R.C.--DWFcms
02444> CONTINUOUS_NASHRD 5.0 01:INF-West_1 14.27 .288 1990.0720_14:20 250.74 .345 .000
02445> [{IAEBC= 6.00; SMIN= 1.39; SMAX= 9.24; SKw= .000]
02446> [{InterEventTime= 12.00}]
02447> RO091:CO0010-
02448> {Dtn=ID-NHYD---AREAh-QPEAKms-TpeakDate_h:mm---RVm=R.C.--DWFcms
02449> CONTINUOUS_NASHRD 5.0 01:INF-West_2 20.14 .274 1990.0720_14:20 96.52 .133 .000
02450> [{IAEBC= 6.00; SMIN= 1.39; SMAX= 9.24; SKw= .000]
02451> [{InterEventTime= 12.00}]
02452> RO091:CO0011-
02453> {Dtn=ID-NHYD---AREAh-QPEAKms-TpeakDate_h:mm---RVm=R.C.--DWFcms
02454> CONTINUOUS_NASHRD 5.0 01:INF-West_3 14.01 .190 1990.0720_14:40 250.74 .345 .000
02455> [{IAEBC= 6.00; SMIN= 1.39; SMAX= 9.24; SKw= .000]
02456> [{InterEventTime= 12.00}]
02457> RO091:CO0012-
02458> {Dtn=ID-NHYD---AREAh-QPEAKms-TpeakDate_h:mm---RVm=R.C.--DWFcms
02459> ADD HYD + 5.0 02:West_1 14.27 .186 1990.0720_14:45 250.74 n/a .000
02460> [{IAEBC= 6.00; SMIN= 1.39; SMAX= 9.24; SKw= .000]
02461> # CONTINUOUS RAINFALL DATA
02462> [{Dtn=ID-NHYD---AREAh-QPEAKms-TpeakDate_h:mm---RVm=R.C.--DWFcms
02463> CONTINUOUS_NASHRD 5.0 01:INF-West_1 14.27 .289 1990.0720_14:50 250.74 .345 .000
02464> [{IAEBC= 6.00; SMIN= 1.39; SMAX= 9.24; SKw= .000]
02465> [{InterEventTime= 12.00}]
02466> RO091:CO0013-
02467> {Dtn=ID-NHYD---AREAh-QPEAKms-TpeakDate_h:mm---RVm=R.C.--DWFcms
02468> ADD INFIL + Set infiltration to 0 (CN = 99.99) for water balance analysis
02469> [{IAEBC= 6.00; SMIN= 1.39; SMAX= 9.24; SKw= .000]
02470> [{InterEventTime= 12.00}]
02471> RUN#:COMMAND#
02472> RO091:CO0001-
02473> START
02474> [{TZERO = .00 hrs on 19910101}]
02475> [{METOUT= 2. (Imperial, 2=metric output)]
02476> [{INSTR0= 0.}]
02477> [{NRUN= 091}]
02478> ****
02479> # SWMMH YMO Ver:02/Jan 2001 <BT&TA> / INPUT DATA FILE
02480> ****
02481> # Project Name: Barrhaven Conservancy Development
02482> # Project Number: 1
02483> # Date : 2021/Oct/18
02484> # Modeler : J.Burnett, P.Eng.
02485> # Updated : 2022/Dec/07 [JB]
02486> # Updated : 2022/Dec/07 [JB]
02487> # Updated : 2024/Mar/14 [JB]
02488> # Company : J.F. Sabourin and Associates
02489> # License # : 2582634
02490> ****
02491> # Ottawa International Airport (1967 - 2003)
02492> RO091:CO0002-
02493> * READ AHS DATA
02494> [{Filename = YOM_1967_2007.123}
02495> [{Start_date= 1991.0101_End_date= 1991.1231}]
02496> [{DT= 60:min; Length= 8400; hrs= Methrs= 486; DryHrs= 7554; PTOT= 556.00}]
02497> Maximum average rainfall intensities over
02498> 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
02499> 11.30 9.90 6.87 4.10 2.53 1.75 1.28 1.07 .78 mm/hr
02500> 11.30 20.00 24.00 30.00 40.00 51.00 57.00 57.00
02501> 19910409 19910409 19910409 19910409 19910409 19910409 19910409 19910409 19910409 date
02502> Number of rainfall events per following interevent time
02503> 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
02504> 165 137 127 102 80 63 52 45 38
02505> Number of events with at least the following durations
02506> 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
02507> 164 89 56 35 26 1 0 0 0
02508> RO091:CO0003-
02509> COMPUTE API
02510> [{APIfmax= 50.00; APIkdr= .9000; APIkdt= .9956}
02511> ({APImax= 72.80; APIAvg= 16.88; APImin= .26}]
02512> ****
02513> # Barrhaven Conservancy West Developments (WITH INFILTRATION) - PRE DEVELOPMENT CONDITIONS
02514> ****
02515> RO091:CO0004-
02516> {Dtn=ID-NHYD---AREAh-QPEAKms-TpeakDate_h:mm---RVm=R.C.--DWFcms
02517> CONTINUOUS_NASHRD 5.0 01:West_1 14.27 .083 1991.0401_4:00 46.13 .083 .000
02518> [{IAEBC= 6.00; SMIN= 39.75; SMAX=264.99; SKw= .030]
02519> [{InterEventTime= 12.00}]
02520> RO091:CO0005-
02521> {Dtn=ID-NHYD---AREAh-QPEAKms-TpeakDate_h:mm---RVm=R.C.--DWFcms
02522> CONTINUOUS_NASHRD 5.0 01:West_2 20.14 .147 1991.0401_4:00 46.13 .083 .000
02523> [{IAEBC= 6.00; SMIN= 1.39; SMAX=275.84; SKw= .030]
02524> [{InterEventTime= 12.00}]
02525> RO091:CO0006-
02526> {Dtn=ID-NHYD---AREAh-QPEAKms-TpeakDate_h:mm---RVm=R.C.--DWFcms
02527> CONTINUOUS_NASHRD 5.0 01:West_3 14.01 .060
```

02521+ [CONTINUOUS_NASHYD_ 5.0 01:West_2 20.14 .125 1991.0410_ 4:05 52.68 .095 .000
 02522+ [CN= 76.0: Ns 3:00; Tp: 1.26] .125 1991.0410_ 4:05 52.68 .095 .000
 02523+ [InterEventTime: 12.00h] .125 1991.0410_ 4:05 52.68 .095 .000
 02524+ R0931c00006-----Dtnin-ID:NHYD-----ARSAha-QPEAKms-TpeakData_hh:mm:--Rvmm-R.C.--DWFcms
 02525+ [CONTINUOUS_NASHYD_ 5.0 01:West_3 14.01 .049 1991.0410_ 4:05 44.92 .081 .000
 02526+ [CN= 71.0: Ns 3:00; Tp: 2.07] .14.01 .049 1991.0410_ 4:05 44.92 .081 .000
 02527+ [iAECm 6.00: SMIN 41.38: SMAX 275.84: SKw .030]
 02528+ [InterEventTime: 12.00h] .14.01 .049 1991.0410_ 4:05 44.92 .081 .000
 02529+ R0931c00007-----Dtnin-ID:NHYD-----ARSAha-QPEAKms-TpeakData_hh:mm:--Rvmm-R.C.--DWFcms
 02530+ ADD HVD 5.0 02:West_1 14.27 .085 1991.0410_ 4:05 46.13 n/a .000
 02531+ + 5.0 02:West_2 20.14 .125 1991.0410_ 4:05 52.68 .095 .000
 02532+ + 5.0 02:West_3 14.01 .049 1991.0410_ 4:05 44.92 .081 .000
 02533+ SIMM+ 5.0 01:West_Total 48.42 .252 1991.0410_ 4:05 48.50 n/a .000
 02534+ [CN= 71.0: Ns 3:00; Tp: 2.07] .14.01 .049 1991.0410_ 4:05 48.50 n/a .000
 02535+ # Barrhaven Conservancy West Development (WITHOUT INFILTRATION) PRE DEVELOPMENT CONDITIONS
 02536+ # Barrhaven Conservancy West Development (WITH INFILTRATION) PRE DEVELOPMENT CONDITIONS
 02537+ # Set Infiltration to 0 (CN = 99.99) for water balance analysis
 02538+ [InterEventTime: 12.00h] .14.01 .049 1991.0410_ 4:05 48.50 n/a .000
 02539+ R0931c00008-----Dtnin-ID:NHYD-----ARSAha-QPEAKms-TpeakData_hh:mm:--Rvmm-R.C.--DWFcms
 02540+ CONTINUOUS_NASHYD_ 5.0 01:INF-West_1 20.14 .228 1991.0409_ 1:40 159.83 .287 .000
 02541+ [CN=100.0: Ns 3:00; Tp: 1.26] .228 1991.0409_ 1:40 159.83 .287 .000
 02542+ [InterEventTime: 12.00h] .228 1991.0409_ 1:40 159.83 .287 .000
 02543+ [iAECm 6.00: SMIN 1.39: SMAX 9.24: SKw .000]
 02544+ [InterEventTime: 12.00h] .228 1991.0409_ 1:40 159.83 .287 .000
 02545+ R0931c00009-----Dtnin-ID:NHYD-----ARSAha-QPEAKms-TpeakData_hh:mm:--Rvmm-R.C.--DWFcms
 02546+ CONTINUOUS_NASHYD_ 5.0 01:INF-West_2 20.14 .228 1991.0409_ 1:40 159.83 .287 .000
 02547+ [CN=100.0: Ns 3:00; Tp: 1.26] .228 1991.0409_ 1:40 159.83 .287 .000
 02548+ [InterEventTime: 12.00h] .228 1991.0409_ 1:40 159.83 .287 .000
 02549+ R0931c00010-----Dtnin-ID:NHYD-----ARSAha-QPEAKms-TpeakData_hh:mm:--Rvmm-R.C.--DWFcms
 02550+ CONTINUOUS_NASHYD_ 5.0 01:INF-West_3 14.01 .105 1991.0409_ 1:45 159.83 .287 .000
 02551+ [CN=100.0: Ns 3:00; Tp: 2.07] .14.01 .105 1991.0409_ 1:45 159.83 .287 .000
 02552+ [iAECm 6.00: SMIN 1.39: SMAX 9.24: SKw .000]
 02553+ [InterEventTime: 12.00h] .14.01 .105 1991.0409_ 1:45 159.83 .287 .000
 02554+ R0931c00011-----Dtnin-ID:NHYD-----ARSAha-QPEAKms-TpeakData_hh:mm:--Rvmm-R.C.--DWFcms
 02555+ ADD HVD 5.0 02:INF-West_1 14.27 .175 1991.0409_ 1:40 159.83 n/a .000
 02556+ + 5.0 02:INF-West_2 20.14 .228 1991.0409_ 1:40 159.83 n/a .000
 02557+ + 5.0 02:INF-West_3 14.01 .105 1991.0409_ 1:45 159.83 n/a .000
 02558+ SIMM+ 5.0 01:INF-West_1 48.42 .490 1991.0409_ 1:50 159.83 n/a .000
 02559+ [CN=100.0: Ns 3:00; Tp: 2.07] .490 1991.0409_ 1:50 159.83 n/a .000
 02560+ # CONTINUOUS RAINFALL DATA
 02561+ # END OF RUN : 91
 02562+ *** END OF RUN : 91
 02563+ #
 02564+ R0931c00012-----Dtnin-ID:NHYD-----ARSAha-QPEAKms-TpeakData_hh:mm:--Rvmm-R.C.--DWFcms
 02565+ ADD HVD 5.0 02:INF-West_1 14.27 .175 1991.0409_ 1:40 159.83 n/a .000
 02566+ + 5.0 02:INF-West_2 20.14 .228 1991.0409_ 1:40 159.83 n/a .000
 02567+ + 5.0 02:INF-West_3 14.01 .105 1991.0409_ 1:45 159.83 n/a .000
 02568+ SIMM+ 5.0 01:INF-West_1 48.42 .490 1991.0409_ 1:50 159.83 n/a .000
 02569+ [CN=100.0: Ns 3:00; Tp: 2.07] .490 1991.0409_ 1:50 159.83 n/a .000
 02570+ R0931c00013-----Dtnin-ID:NHYD-----ARSAha-QPEAKms-TpeakData_hh:mm:--Rvmm-R.C.--DWFcms
 02571+ RUN#:COMMAND#
 02572+ R0921c00001-----
 02573+ # TZERO = .00 hrs on 19920101)
 02574+ [METOUT: 2 (Imperial, 2=metric output)]
 02575+ [INSTRNM: 0]
 02576+ [INRNU: 0092]
 02577+ # SMMHMO Ver1.5/02/2003 <BETA> / INPUT DATA FILE
 02578+ #
 02579+ # Project Name: Barrhaven Conservancy Development
 02580+ # Project Number: 1474
 02581+ # Modeler : J. Burnett, P.Eng.
 02582+ # Updated : 2022/Dec/07 [JB]
 02583+ # Created : 2022/Dec/07 [JB]
 02584+ # Updated : 2024/Mar/14 [JB]
 02585+ # Company : J.F. Sabourin and Associates
 02586+ # License #: 2582634
 02587+ #
 02588+ # Ottawa International Airport (1967 - 2003)
 02589+ R0921c00002-----
 02590+ READ_AEA DATA
 02591+ [Filename = YOW_1967_2007.123] 1
 02592+ [Start_date= 1993.01.01 End_date= 1993.12.31]
 02593+ [DT= 60:min; Length= 8760.hrs; Wethrs= 551; DryHrs= 8209; PTOT= 732.80]
 02594+ Maximum average rainfall intensities over
 02595+ 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
 02596+ 31.00 18.00 14.00 11.00 8.00 6.00 5.00 4.00 3.00 mm/hr
 02597+ 31.00 18.00 14.00 11.00 8.00 6.00 5.00 4.00 3.00 mm hr
 02598+ 31.00 18.00 14.00 11.00 8.00 6.00 5.00 4.00 3.00 mm hr
 02599+ 31.00 18.00 14.00 11.00 8.00 6.00 5.00 4.00 3.00 mm hr
 02600+ 31.00 18.00 14.00 11.00 8.00 6.00 5.00 4.00 3.00 mm hr
 02601+ 31.00 18.00 14.00 11.00 8.00 6.00 5.00 4.00 3.00 mm hr
 02602+ 31.00 18.00 14.00 11.00 8.00 6.00 5.00 4.00 3.00 mm hr
 02603+ 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
 02604+ 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
 02605+ Number of events with at least the following durations
 02606+ 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
 02607+ 189 109 70 22 5 1 0 0 0 0 0 0
 02608+ R0921c00003-----
 02609+ COMPUTE API
 02610+ [APIInit: 30.00; APIAdv: 8000; APIKdt: .9956]
 02611+ [APIInit: 30.00; APIAdv: 8000; APIKdt: .9956]
 02612+ # Barrhaven Conservancy West Developments (WITHOUT INFILTRATION) PRE DEVELOPMENT CONDITIONS
 02613+ # Barrhaven Conservancy West Developments (WITH INFILTRATION) PRE DEVELOPMENT CONDITIONS
 02614+ R0921c00004-----Dtnin-ID:NHYD-----ARSAha-QPEAKms-TpeakData_hh:mm:--Rvmm-R.C.--DWFcms
 02615+ CONTINUOUS_NASHYD_ 5.0 01:West_1 14.27 .293 1992.0717_19:20 94.75 .129 .000
 02616+ [CN=100.0: Ns 3:00; Tp: 1.26] .293 1992.0717_19:20 94.75 .129 .000
 02617+ [iAECm 6.00: SMIN 39.75: SMAX 216.39: SKw .030]
 02618+ [InterEventTime: 12.00h] .293 1992.0717_19:20 94.75 .129 .000
 02619+ R0921c00005-----Dtnin-ID:NHYD-----ARSAha-QPEAKms-TpeakData_hh:mm:--Rvmm-R.C.--DWFcms
 02620+ CONTINUOUS_NASHYD_ 5.0 01:West_2 20.14 .432 1992.0717_19:25 106.49 .146 .000
 02621+ [CN=76.0: Ns 3:00; Tp: 1.26] .432 1992.0717_19:25 106.49 .146 .000
 02622+ [InterEventTime: 12.00h] .432 1992.0717_19:25 106.49 .146 .000
 02623+ R0921c00006-----Dtnin-ID:NHYD-----ARSAha-QPEAKms-TpeakData_hh:mm:--Rvmm-R.C.--DWFcms
 02624+ CONTINUOUS_NASHYD_ 5.0 01:West_3 14.01 .191 1992.0717_20:15 92.50 .126 .000
 02625+ [CN=100.0: Ns 3:00; Tp: 1.26] .191 1992.0717_20:15 92.50 .126 .000
 02626+ [InterEventTime: 12.00h] .191 1992.0717_20:15 92.50 .126 .000
 02627+ R0921c00007-----Dtnin-ID:NHYD-----ARSAha-QPEAKms-TpeakData_hh:mm:--Rvmm-R.C.--DWFcms
 02628+ ADD HVD 5.0 02:West_1 14.27 .293 1992.0717_19:20 94.75 .129 .000
 02629+ + 5.0 02:West_2 20.14 .432 1992.0717_19:25 106.49 .146 .000
 02630+ + 5.0 02:West_3 14.01 .191 1992.0717_20:15 92.50 .126 .000
 02631+ SIMM+ 5.0 01:West_Total 48.42 .890 1992.0717_19:30 99.07 n/a .000
 02632+ [CN=100.0: Ns 3:00; Tp: 1.26] .890 1992.0717_19:30 99.07 n/a .000
 02633+ # Set Infiltration to 0 (CN = 99.99) for water balance analysis
 02634+ [InterEventTime: 12.00h] .890 1992.0717_19:30 99.07 n/a .000
 02635+ R0921c00008-----Dtnin-ID:NHYD-----ARSAha-QPEAKms-TpeakData_hh:mm:--Rvmm-R.C.--DWFcms
 02636+ CONTINUOUS_NASHYD_ 5.0 01:West_1 20.14 .650 1992.0717_19:10 266.21 .000
 02637+ [CN=100.0: Ns 3:00; Tp: 1.26] .650 1992.0717_19:10 266.21 .000
 02638+ [InterEventTime: 12.00h] .650 1992.0717_19:10 266.21 .000
 02639+ R0921c00009-----Dtnin-ID:NHYD-----ARSAha-QPEAKms-TpeakData_hh:mm:--Rvmm-R.C.--DWFcms
 02640+ ADD HVD 5.0 02:West_1 14.27 .486 1992.0717_19:00 266.21 n/a .000
 02641+ + 5.0 02:West_2 20.14 .650 1992.0717_19:10 266.21 n/a .000
 02642+ + 5.0 02:West_3 14.01 .327 1992.0717_19:15 266.21 n/a .000
 02643+ SIMM+ 5.0 01:West_Total 48.42 .1420 1992.0717_19:15 266.21 n/a .000
 02644+ [CN=100.0: Ns 3:00; Tp: 1.26] .1420 1992.0717_19:15 266.21 n/a .000
 02645+ # CONTINUOUS_NASHYD_ 5.0 01:INF-West_2 20.14 .650 1992.0717_19:10 266.21 .000
 02646+ [CN=100.0: Ns 3:00; Tp: 1.26] .650 1992.0717_19:10 266.21 .000
 02647+ [InterEventTime: 12.00h] .650 1992.0717_19:10 266.21 .000
 02648+ R0921c00010-----Dtnin-ID:NHYD-----ARSAha-QPEAKms-TpeakData_hh:mm:--Rvmm-R.C.--DWFcms
 02649+ CONTINUOUS_NASHYD_ 5.0 01:INF-West_3 14.01 .327 1992.0717_20:05 266.21 .000
 02650+ [CN=100.0: Ns 3:00; Tp: 1.26] .327 1992.0717_20:05 266.21 .000
 02651+ [InterEventTime: 12.00h] .327 1992.0717_20:05 266.21 .000
 02652+ R0921c00011-----Dtnin-ID:NHYD-----ARSAha-QPEAKms-TpeakData_hh:mm:--Rvmm-R.C.--DWFcms
 02653+ ADD HVD 5.0 02:West_1 14.27 .486 1992.0717_19:00 266.21 n/a .000
 02654+ + 5.0 02:West_2 20.14 .650 1992.0717_19:10 266.21 n/a .000
 02655+ + 5.0 02:West_3 14.01 .327 1992.0717_19:15 266.21 n/a .000
 02656+ SIMM+ 5.0 01:West_Total 48.42 .1420 1992.0717_19:15 266.21 n/a .000
 02657+ [CN=100.0: Ns 3:00; Tp: 1.26] .1420 1992.0717_19:15 266.21 n/a .000
 02658+ # Barrhaven Conservancy West Developments (WITHOUT INFILTRATION) PRE DEVELOPMENT CONDITIONS
 02659+ # Barrhaven Conservancy West Developments (WITH INFILTRATION) PRE DEVELOPMENT CONDITIONS
 02660+ # END OF RUN : 92
 02661+ #
 02662+ R0921c00012-----
 02663+ # TZERO = .00 hrs on 19930101)
 02664+ [METOUT: 2 (Imperial, 2=metric output)]
 02665+ [INSTRNM: 0]
 02666+ [INRNU: 0095]
 02667+ # SMMHMO Ver1.5/02/2003 <BETA> / INPUT DATA FILE
 02668+ #
 02669+ # Project Name: Barrhaven Conservancy Development
 02670+ # Project Number: 1474
 02671+ # Modeler : J. Burnett, P.Eng.
 02672+ # Updated : 2022/Dec/07 [JB]
 02673+ # Created : 2022/Dec/07 [JB]
 02674+ # Updated : 2024/Feb/14 [JB]
 02675+ # Company : J.F. Sabourin and Associates
 02676+ # License #: 2582634
 02677+ #
 02678+ # Ottawa International Airport (1967 - 2003)
 02679+ R0921c00013-----
 02680+ READING AEA DATA
 02681+ [Filename = YOW_1967_2007.123] 1
 02682+ [Start_date= 1993.01.01 End_date= 1993.12.31]
 02683+ [DT= 60:min; Length= 8760.hrs; Wethrs= 551; DryHrs= 8209; PTOT= 721.30]
 02684+ Maximum average rainfall intensities over
 02685+ 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
 02686+ 31.00 18.00 14.00 11.00 8.00 6.00 5.00 4.00 3.00 mm hr
 02687+ 31.00 18.00 14.00 11.00 8.00 6.00 5.00 4.00 3.00 mm hr
 02688+ 31.00 18.00 14.00 11.00 8.00 6.00 5.00 4.00 3.00 mm hr
 02689+ 31.00 18.00 14.00 11.00 8.00 6.00 5.00 4.00 3.00 mm hr
 02690+ 31.00 18.00 14.00 11.00 8.00 6.00 5.00 4.00 3.00 mm hr
 02691+ 31.00 18.00 14.00 11.00 8.00 6.00 5.00 4.00 3.00 mm hr
 02692+ 31.00 18.00 14.00 11.00 8.00 6.00 5.00 4.00 3.00 mm hr
 02693+ 31.00 18.00 14.00 11.00 8.00 6.00 5.00 4.00 3.00 mm hr
 02694+ 31.00 18.00 14.00 11.00 8.00 6.00 5.00 4.00 3.00 mm hr
 02695+ 31.00 18.00 14.00 11.00 8.00 6.00 5.00 4.00 3.00 mm hr
 02696+ 31.00 18.00 14.00 11.00 8.00 6.00 5.00 4.00 3.00 mm hr
 02697+ 31.00 18.00 14.00 11.00 8.00 6.00 5.00 4.00 3.00 mm hr
 02698+ 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
 02699+ 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
 02700+ 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
 02701+ Number of rainfall events per following interevent time
 02702+ 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
 02703+ 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
 02704+ 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
 02705+ Number of events with at least the following durations
 02706+ 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
 02707+ 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
 02708+ R0931c00003-----
 02709+ COMPUTE API
 02710+ [APIInit: 50.00; APIAdv: .8000; APIKdt: .9956]
 02711+ [APImax: 66.56; APIavg: 20.01; APImin: .11]
 02712+ # Barrhaven Conservancy West Developments (WITHOUT INFILTRATION) PRE DEVELOPMENT CONDITIONS
 02713+ # Barrhaven Conservancy West Developments (WITH INFILTRATION) PRE DEVELOPMENT CONDITIONS
 02714+ # Set Infiltration to 0 (CN = 99.99) for water balance analysis
 02715+ [InterEventTime: 12.00h] .11 .104 1993.1128_7:15 62.95 .087 .000
 02716+ R0931c00004-----Dtnin-ID:NHYD-----ARSAha-QPEAKms-TpeakData_hh:mm:--Rvmm-R.C.--DWFcms
 02717+ CONTINUOUS_NASHYD_ 5.0 01:West_1 14.27 .104 1993.1128_7:15 62.95 .087 .000
 02718+ [iAECm 6.00: SMIN 1.39: SMAX 264.99: SKw .030]
 02719+ [InterEventTime: 12.00h] .104 1993.1128_7:15 62.95 .087 .000
 02720+ R0931c00005-----Dtnin-ID:NHYD-----ARSAha-QPEAKms-TpeakData_hh:mm:--Rvmm-R.C.--DWFcms
 02721+ CONTINUOUS_NASHYD_ 5.0 01:West_2 20.14 .104 1993.1128_7:15 62.95 .087 .000
 02722+ [iAECm 6.00: SMIN 1.39: SMAX 275.84: SKw .030]
 02723+ [InterEventTime: 12.00h] .104 1993.1128_7:15 62.95 .087 .000
 02724+ R0931c00006-----Dtnin-ID:NHYD-----ARSAha-QPEAKms-TpeakData_hh:mm:--Rvmm-R.C.--DWFcms
 02725+ CONTINUOUS_NASHYD_ 5.0 01:West_3 14.01 .104 1993.1128_7:15 62.95 .087 .000
 02726+ [iAECm 6.00: SMIN 1.39: SMAX 287.64: SKw .030]
 02727+ [InterEventTime: 12.00h] .104 1993.1128_7:15 62.95 .087 .000
 02728+ R0931c00007-----Dtnin-ID:NHYD-----ARSAha-QPEAKms-TpeakData_hh:mm:--Rvmm-R.C.--DWFcms
 02729+ CONTINUOUS_NASHYD_ 5.0 01:West_1 14.27 .104 1993.1128_7:15 62.95 .087 .000
 02730+ [iAECm 6.00: SMIN 1.39: SMAX 298.44: SKw .030]
 02731+ [InterEventTime: 12.00h] .104 1993.1128_7:15 62.95 .087 .000
 02732+ R0931c00008-----Dtnin-ID:NHYD-----ARSAha-QPEAKms-TpeakData_hh:mm:--Rvmm-R.C.--DWFcms
 02733+ CONTINUOUS_NASHYD_ 5.0 01:West_2 20.14 .104 1993.1128_7:15 62.95 .087 .000
 02734+ [iAECm 6.00: SMIN 1.39: SMAX 309.24: SKw .030]
 02735+ [InterEventTime: 12.00h] .104 1993.1128_7:15 62.95 .087 .000
 02736+ R0931c00009-----Dtnin-ID:NHYD-----ARSAha-QPEAKms-TpeakData_hh:mm:--Rvmm-R.C.--DWFcms
 02737+ CONTINUOUS_NASHYD_ 5.0 01:West_3 14.01 .104 1993.1128_7:15 62.95 .087 .000
 02738+ [iAECm 6.00: SMIN 1.39: SMAX 320.04: SKw .030]
 02739+ [InterEventTime: 12.00h] .104 1993.1128_7:15 62.95 .087 .000
 02740+ R0931c00010-----Dtnin-ID:NHYD-----ARSAha-QPEAKms-TpeakData_hh:mm:--Rvmm-R.C.--DWFcms
 02741+ CONTINUOUS_NASHYD_ 5.0 01:INF-West_1 14.27 .104 1993.1128_7:15 62.95 .087 .000
 02742+ [iAECm 6.00: SMIN 1.39: SMAX 264.99: SKw .030]
 02743+ [InterEventTime: 12.00h] .104 1993.1128_7:15 62.95 .087 .000
 02744+ R0931c00011-----Dtnin-ID:NHYD-----ARSAha-QPEAKms-TpeakData_hh:mm:--Rvmm-R.C.--DWFcms
 02745+ CONTINUOUS_NASHYD_ 5.0 01:INF-West_2 20.14 .104 1993.1128_7:15 62.95 .087 .000
 02746+ [iAECm 6.00: SMIN 1.39: SMAX 275.84: SKw .030]
 02747+ [InterEventTime: 12.00h] .104 1993.1128_7:15 62.95 .087 .000
 02748+ R0931c00012-----
 02749+ # Barrhaven Conservancy West Developments (WITHOUT INFILTRATION) PRE DEVELOPMENT CONDITIONS
 02750+ # Barrhaven Conservancy West Developments (WITH INFILTRATION) PRE DEVELOPMENT CONDITIONS
 02751+ # END OF RUN : 94
 02752+ R0931c00013-----
 02753+ # TZERO = .00 hrs on 19930101
 02754+ [METOUT: 2 (Imperial, 2=metric output)]
 02755+ [INSTRNM: 0]
 02756+ [INRNU: 0095]
 02757+ # SMMHMO Ver1.5/02/2003 <BETA> / INPUT DATA FILE
 02758+ #
 02759+ # Project Name: Barrhaven Conservancy Development
 02760+ # Project Number: 1474
 02761+ # Modeler : J. Burnett, P.Eng.
 02762+ # Updated : 2022/Dec/07 [JB]
 02763+ # Created : 2022/Dec/07 [JB]
 02764+ # Updated : 2024/Feb/14 [JB]
 02765+ # Company : J.F. Sabourin and Associates
 02766+ # License #: 2582634
 02767+ #
 02768+ # Ottawa International Airport (1967 - 2003)
 02769+ R0931c00014-----

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02881# Project Name: Barrhaven Conservancy Development
02882# Project Number: 1474
02883# Date : 2021/Oct/18
02884# Modeler : J.Burnett, P.Eng.
02885# Updated : 2022/Dec/07 [JBJ]
02886# Updated : 2022/Dec/13 [PFB]
02887# Company : J.F. Sabourin and Associates
02888# License : 1_2582634
02889# *****

02891# Ottawa International Airport (1967 - 2003)
02892# RO095:CD00002-
02893# READ AER DATA
02894# =====
02895# [filename = YOM_1967_2007_123]
02896# [Start_date= 1995.0101; End_date= 1995.1231]
02897# (DT= 60: min; Length= 8504; hrst: Wethrs: 332; DryHrs: 7708; PTOT: 538.501
02898# Maximum average rainfall intensities over:
02899# 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
02899# 16.90 13.25 11.33 8.98 6.35 3.48 2.95 2.21 1.48 mm/hr
02899# 16.90 13.25 11.33 8.98 6.35 3.48 2.95 2.21 1.48 mm hr
02900# 16.90 13.25 11.33 8.98 6.35 3.48 2.95 2.21 1.48 mm hr
02901# 1995060 19950603 19951006 19951006 19951006 19951006 19951006 19951006 19951006 date
02902# Number of rainfall events per following interevent time
02903# 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
02903# 91 73 65 55 47 41 34 31 25
02905# Number of events with at least the following durations
02906# 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
02907# 30 54 38 35 36 3 0 0 0
02908# RO095:CD00003-
02909# READ AER DATA
02910# =====
02911# [APIdate: 50.00; APIkhd: .9000; APIkhd=. 9956]
02911# (APImax: 99.57; APIflav: 16.58; APMin: .00)
02912# *****

02913# * Barrhaven Conservancy West Developments (WITH INFILTRATION) - PRE DEVELOPMENT CONDITIONS
02914# =====
02915# RO095:CD0004-*
02916# CONTINUOUS_NASHYD ->AReAh-QPEAKms-TpeakData_hhmm-->RvNm-R.C.--DWFcms
02917# 5.0 01/INWest_1 14.27 .311 1995.0603 9130 159.14 .296
02918# [iAECB: 6.001 SMIN: 39.75; SMAW: 264.99; SKw: .030]
02918# [InterEventTime: 12.00]
02919# RO095:CD0005-*
02920# CONTINUOUS_NASHYD ->AReAh-QPEAKms-TpeakData_hhmm-->RvNm-R.C.--DWFcms
02921# 5.0 01/INWest_2 20.14 .442 1995.0603 9:35 172.16 .320
02921# [CN= 76.001; Ne= 300; Tp= 126]
02922# [iAECB: 6.001 SMIN: 39.75; SMAW: 216.39; SKw: .030]
02923# [InterEventTime: 12.00]
02924# RO095:CD0006-*
02925# CONTINUOUS_NASHYD ->AReAh-QPEAKms-TpeakData_hhmm-->RvNm-R.C.--DWFcms
02925# 5.0 01/INWest_3 14.01 .236 1995.1006 8:35 156.58 .391
02926# [CN= 71.001; Ne= 300; Tp= 2.07]
02927# [iAECB: 6.001 SMIN: 41.38; SMAW: 275.84; SKw: .030]
02927# [InterEventTime: 12.00]
02928# RO095:CD0007-*
02929# ADD HYD 5.0 02/INWest_1 14.27 .311 1995.0603 9:30 159.14 .n/a
02930# + 5.0 02/INWest_2 20.14 .442 1995.0603 9:30 159.14 .n/a
02931# + 5.0 02/INWest_3 14.01 .236 1995.1006 8:35 156.58 .n/a
02932# SUM: 5.0 01/INWest_Total 48.42 .959 1995.0603 9:40 163.82 .n/a
02933# [CN= 100.001; Ne= 300; Tp= 126]
02934# [iAECB: 6.001 SMIN: 39.75; SMAW: 264.99; SKw: .030]
02934# [InterEventTime: 12.00]
02935# RO095:CD0008-*
02936# CONTINUOUS_NASHYD ->AReAh-QPEAKms-TpeakData_hhmm-->RvNm-R.C.--DWFcms
02936# 5.0 01/INWest_1 14.27 .418 1995.1006 6:05 283.64 .527
02937# [CN= 76.001; Ne= 300; Tp= 126]
02937# [iAECB: 6.001 SMIN: 39.75; SMAW: 264.99; SKw: .030]
02938# [InterEventTime: 12.00]
02939# RO095:CD0009-*
02940# CONTINUOUS_NASHYD ->AReAh-QPEAKms-TpeakData_hhmm-->RvNm-R.C.--DWFcms
02940# 5.0 01/INWest_1 14.27 .418 1995.1006 6:05 283.64 .527
02941# [CN= 76.001; Ne= 300; Tp= 126]
02941# [iAECB: 6.001 SMIN: 39.75; SMAW: 264.99; SKw: .030]
02942# [InterEventTime: 12.00]
02943# RO095:CD0010-*
02944# CONTINUOUS_NASHYD ->AReAh-QPEAKms-TpeakData_hhmm-->RvNm-R.C.--DWFcms
02944# 5.0 01/INWest_1 14.01 .350 1995.1006 7:30 283.64 .527
02945# [CN= 100.001; Ne= 300; Tp= 126]
02945# [iAECB: 6.001 SMIN: 39.75; SMAW: 264.99; SKw: .030]
02945# [InterEventTime: 12.00]
02946# RO095:CD0011-*
02947# ADD HYD 5.0 02/INWest_1 14.27 .418 1995.1006 6:15 283.64 .527
02947# + 5.0 02/INWest_2 20.14 .576 1995.1006 6:15 283.64 .n/a
02948# + 5.0 02/INWest_3 14.01 .236 1995.1006 6:15 283.64 .n/a
02949# SUM: 5.0 01/INWest_Total 48.42 .130 1995.1006 6:30 283.64 .n/a
02950# *****

02951# Set infiltration to 0 (CN = 99.99) for water balance analysis
02952# RO095:CD00008-*
02953# CONTINUOUS_NASHYD ->AReAh-QPEAKms-TpeakData_hhmm-->RvNm-R.C.--DWFcms
02953# 5.0 01/INWest_1 14.27 .418 1995.1006 6:05 283.64 .527
02954# [CN= 76.001; Ne= 300; Tp= 126]
02954# [iAECB: 6.001 SMIN: 39.75; SMAW: 264.99; SKw: .030]
02954# [InterEventTime: 12.00]
02955# RO095:CD0009-*
02956# CONTINUOUS_NASHYD ->AReAh-QPEAKms-TpeakData_hhmm-->RvNm-R.C.--DWFcms
02956# 5.0 01/INWest_1 14.27 .418 1995.1006 6:05 283.64 .527
02957# [CN= 76.001; Ne= 300; Tp= 126]
02957# [iAECB: 6.001 SMIN: 39.75; SMAW: 264.99; SKw: .030]
02957# [InterEventTime: 12.00]
02958# RO095:CD0010-*
02959# CONTINUOUS_NASHYD ->AReAh-QPEAKms-TpeakData_hhmm-->RvNm-R.C.--DWFcms
02959# 5.0 01/INWest_1 14.27 .418 1995.1006 6:05 283.64 .527
02960# *****

02961# * Barrhaven Conservancy West Developments (WITHOUT INFILTRATION) - PRE DEVELOPMENT CONDITIONS
02962# =====
02963# Set infiltration to 0 (CN = 99.99) for water balance analysis
02964# RO095:CD00008-*
02965# CONTINUOUS_NASHYD ->AReAh-QPEAKms-TpeakData_hhmm-->RvNm-R.C.--DWFcms
02965# 5.0 01/INWest_1 14.27 .418 1995.1006 6:05 283.64 .527
02966# [CN= 76.001; Ne= 300; Tp= 126]
02966# [iAECB: 6.001 SMIN: 39.75; SMAW: 264.99; SKw: .030]
02966# [InterEventTime: 12.00]
02967# RO095:CD0009-*
02968# CONTINUOUS_NASHYD ->AReAh-QPEAKms-TpeakData_hhmm-->RvNm-R.C.--DWFcms
02968# 5.0 01/INWest_1 14.27 .418 1995.1006 6:05 283.64 .527
02969# [CN= 76.001; Ne= 300; Tp= 126]
02969# [iAECB: 6.001 SMIN: 39.75; SMAW: 264.99; SKw: .030]
02969# [InterEventTime: 12.00]
02970# RO095:CD0010-*
02971# ADD HYD 5.0 02/INWest_1 14.27 .418 1995.1006 6:15 283.64 .527
02971# + 5.0 02/INWest_2 20.14 .576 1995.1006 6:15 283.64 .n/a
02972# + 5.0 02/INWest_3 14.01 .236 1995.1006 6:15 283.64 .n/a
02972# SUM: 5.0 01/INWest_Total 48.42 .130 1995.1006 6:30 283.64 .n/a
02973# *****

02974# Set infiltration to 0 (CN = 99.99) for water balance analysis
02975# RO095:CD00008-*
02976# CONTINUOUS_NASHYD ->AReAh-QPEAKms-TpeakData_hhmm-->RvNm-R.C.--DWFcms
02976# 5.0 01/INWest_1 14.27 .418 1995.1006 6:05 283.64 .527
02977# [CN= 76.001; Ne= 300; Tp= 126]
02977# [iAECB: 6.001 SMIN: 39.75; SMAW: 264.99; SKw: .030]
02977# [InterEventTime: 12.00]
02978# RO095:CD0009-*
02979# SWHMRY Ver:1.02/Jan/2001 BETTA/ / INPUT DATA FILE
02979# =====
02980# Project Name: Barrhaven Conservancy Development
02981# Project Number: 1474
02982# Date : 2021/Oct/18
02983# Modeler : J.Burnett, P.Eng.
02984# Updated : 2022/Dec/07 [JBJ]
02985# Updated : 2022/Dec/13 [PFB]
02986# Company : J.F. Sabourin and Associates
02987# License : 1_2582634
02988# *****

02989# Ottawa International Airport (1967 - 2003)
02990# RO096:CD00002-
02991# READ AER DATA
02992# =====
02993# [filename = YOM_1967_2007_123]
02994# [Start_date= 1996.0101; End_date= 1996.1231]
02995# (DT= 60: min; Length= 8504; hrst: Wethrs: 332; DryHrs: 297; PTOT: 512.20
02996# Maximum average rainfall intensities over:
02997# 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
02997# 18.50 13.55 9.03 6.24 2.93 1.84 1.32 1.02 0.70 mm/hr
02997# 18.50 13.55 9.03 6.24 2.93 1.84 1.32 1.02 0.70 mm hr
02997# 18.50 13.55 9.03 6.24 2.93 1.84 1.32 1.02 0.70 mm hr
03001# 19960731 19960731 19960731 19960731 19960731 19960731 19960731 19960731 19960731 date
03002# Number of rainfall events per following interevent time
03003# 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
03003# 132 104 93 71 59 43 36 31 24
03005# Number of events with at least the following durations
03006# 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
03007# 131 72 50 39 29 2 1 0 0 0
03008# RO096:CD00003-
03009# READ AER DATA
03010# =====
03011# [APIdate: 50.00; APIkhd: .9000; APIkhd=. 9956]
03011# (APImax: 63.22; APIflav: 19.39; APMin: .71)
03012# *****

03013# * Barrhaven Conservancy West Developments (WITH INFILTRATION) - PRE DEVELOPMENT CONDITIONS
03014# =====
03015# RO096:CD0004-*
03016# CONTINUOUS_NASHYD ->AReAh-QPEAKms-TpeakData_hhmm-->RvNm-R.C.--DWFcms
03016# 5.0 01/INWest_1 14.27 .107 1996.0731 16:30 46.54 .091
03017# [CN= 76.001; Ne= 300; Tp= 2.07]
03017# [iAECB: 6.001 SMIN: 39.75; SMAW: 264.99; SKw: .030]
03018# [InterEventTime: 12.00]
03019# RO096:CD0005-*
03020# CONTINUOUS_NASHYD ->AReAh-QPEAKms-TpeakData_hhmm-->RvNm-R.C.--DWFcms
03020# 5.0 01/INWest_2 20.14 .162 1996.0731 16:40 53.26 .104
03021# [CN= 76.001; Ne= 300; Tp= 2.07]
03021# [iAECB: 6.001 SMIN: 39.75; SMAW: 264.99; SKw: .030]
03021# [InterEventTime: 12.00]
03022# RO096:CD0006-*
03023# CONTINUOUS_NASHYD ->AReAh-QPEAKms-TpeakData_hhmm-->RvNm-R.C.--DWFcms
03023# 5.0 01/INWest_3 14.01 .064 1996.0731 17:30 45.29 .n/a
03024# [CN= 100.001; Ne= 300; Tp= 2.07]
03024# [iAECB: 6.001 SMIN: 39.75; SMAW: 264.99; SKw: .030]
03024# [InterEventTime: 12.00]
03025# RO096:CD0007-*
03026# CONTINUOUS_NASHYD ->AReAh-QPEAKms-TpeakData_hhmm-->RvNm-R.C.--DWFcms
03026# 5.0 01/INWest_1 14.01 .064 1996.0731 17:30 45.29 .088
03027# [CN= 76.001; Ne= 300; Tp= 2.07]
03027# [iAECB: 6.001 SMIN: 39.75; SMAW: 264.99; SKw: .030]
03027# [InterEventTime: 12.00]
03028# RO096:CD0008-*
03029# ADD HYD 5.0 02/INWest_1 14.27 .107 1996.0731 16:30 46.54 .091
03029# + 5.0 02/INWest_2 20.14 .162 1996.0731 16:40 53.26 .104
03029# + 5.0 02/INWest_3 14.01 .064 1996.0731 17:30 45.29 .n/a
03030# SUM: 5.0 01/INWest_Total 48.42 .324 1996.0731 16:40 48.97 .n/a
03031# [CN= 100.001; Ne= 300; Tp= 2.07]
03031# [iAECB: 6.001 SMIN: 39.75; SMAW: 264.99; SKw: .030]
03031# [InterEventTime: 12.00]
03032# RO096:CD0009-*
03033# CONTINUOUS_NASHYD ->AReAh-QPEAKms-TpeakData_hhmm-->RvNm-R.C.--DWFcms
03033# 5.0 01/INWest_1 14.27 .107 1996.0731 16:30 46.54 .091
03034# [CN= 76.001; Ne= 300; Tp= 2.07]
03034# [iAECB: 6.001 SMIN: 39.75; SMAW: 264.99; SKw: .030]
03034# [InterEventTime: 12.00]
03035# RO096:CD0010-*
03036# CONTINUOUS_NASHYD ->AReAh-QPEAKms-TpeakData_hhmm-->RvNm-R.C.--DWFcms
03036# 5.0 01/INWest_1 14.27 .107 1996.0731 16:30 46.54 .091
03037# [CN= 76.001; Ne= 300; Tp= 2.07]
03037# [iAECB: 6.001 SMIN: 39.75; SMAW: 264.99; SKw: .030]
03037# [InterEventTime: 12.00]
03038# RO096:CD00008-*
03039# SET INFILTRATION TO 0 (CN = 99.99) FOR WATER BALANCE ANALYSIS
03040# RO096:CD00009-*
03040# CONTINUOUS_NASHYD ->AReAh-QPEAKms-TpeakData_hhmm-->RvNm-R.C.--DWFcms
03040# 5.0 01/INWest_1 14.27 .299 1996.0731 16:20 45.78 .090
03041# [CN= 76.001; Ne= 300; Tp= 2.07]
03041# [iAECB: 6.001 SMIN: 39.75; SMAW: 264.99; SKw: .030]
03041# [InterEventTime: 12.00]
03042# RO096:CD00010-*
03043# CONTINUOUS_NASHYD ->AReAh-QPEAKms-TpeakData_hhmm-->RvNm-R.C.--DWFcms
03043# 5.0 01/INWest_2 20.14 .382 1996.0731 16:20 45.78 .090
03044# [CN= 76.001; Ne= 300; Tp= 2.07]
03044# [iAECB: 6.001 SMIN: 39.75; SMAW: 264.99; SKw: .030]
03044# [InterEventTime: 12.00]
03045# RO096:CD00011-*
03046# CONTINUOUS_NASHYD ->AReAh-QPEAKms-TpeakData_hhmm-->RvNm-R.C.--DWFcms
03046# 5.0 01/INWest_3 14.01 .178 1996.0731 17:10 157.48 .307
03047# [CN= 100.001; Ne= 300; Tp= 2.07]
03047# [iAECB: 6.001 SMIN: 39.75; SMAW: 264.99; SKw: .030]
03047# [InterEventTime: 12.00]
03048# RO096:CD00012-*
03049# CONTINUOUS_NASHYD ->AReAh-QPEAKms-TpeakData_hhmm-->RvNm-R.C.--DWFcms
03049# 5.0 01/INWest_1 14.27 .299 1996.0731 16:20 45.78 .090
03050# [CN= 76.001; Ne= 300; Tp= 2.07]
03050# [iAECB: 6.001 SMIN: 39.75; SMAW: 264.99; SKw: .030]
03050# [InterEventTime: 12.00]
03051# RO096:CD00013-*
03052# CONTINUOUS_NASHYD ->AReAh-QPEAKms-TpeakData_hhmm-->RvNm-R.C.--DWFcms
03052# 5.0 01/INWest_2 20.14 .382 1996.0731 16:20 45.78 .090
03053# [CN= 76.001; Ne= 300; Tp= 2.07]
03053# [iAECB: 6.001 SMIN: 39.75; SMAW: 264.99; SKw: .030]
03053# [InterEventTime: 12.00]
03054# RO096:CD00014-*
03055# CONTINUOUS_NASHYD ->AReAh-QPEAKms-TpeakData_hhmm-->RvNm-R.C.--DWFcms
03055# 5.0 01/INWest_3 14.01 .178 1996.0731 17:10 157.48 .307
03056# [CN= 100.001; Ne= 300; Tp= 2.07]
03056# [iAECB: 6.001 SMIN: 39.75; SMAW: 264.99; SKw: .030]
03056# [InterEventTime: 12.00]
03057# RO096:CD00015-*
03058# CONTINUOUS_NASHYD ->AReAh-QPEAKms-TpeakData_hhmm-->RvNm-R.C.--DWFcms
03058# 5.0 01/INWest_1 14.27 .299 1996.0731 16:20 45.78 .090
03059# [CN= 76.001; Ne= 300; Tp= 2.07]
03059# [iAECB: 6.001 SMIN: 39.75; SMAW: 264.99; SKw: .030]
03059# [InterEventTime: 12.00]
03100# RO097:CD00001-*
03101# ADD HYD 5.0 02/INWest_1 14.27 .107 1996.0731 16:20 45.78 .090
03101# + 5.0 02/INWest_2 20.14 .162 1996.0731 16:20 45.78 .090
03101# + 5.0 02/INWest_3 14.01 .064 1996.0731 17:20 45.78 .n/a
03102# SUM: 5.0 01/INWest_Total 48.42 .324 1996.0731 16:20 45.78 .090
03103# [CN= 100.001; Ne= 300; Tp= 2.07]
03103# [iAECB: 6.001 SMIN: 39.75; SMAW: 264.99; SKw: .030]
03103# [InterEventTime: 12.00]
03104# RO097:CD00002-*
03105# SET INFILTRATION TO 0 (CN = 99.99) FOR WATER BALANCE ANALYSIS
03106# RO097:CD00003-*
03106# CONTINUOUS_NASHYD ->AReAh-QPEAKms-TpeakData_hhmm-->RvNm-R.C.--DWFcms
03106# 5.0 01/INWest_1 14.27 .107 1996.0731 16:20 45.78 .090
03107# [CN= 76.001; Ne= 300; Tp= 2.07]
03107# [iAECB: 6.001 SMIN: 39.75; SMAW: 264.99; SKw: .030]
03107# [InterEventTime: 12.00]
03108# RO097:CD00004-*
03109# CONTINUOUS_NASHYD ->AReAh-QPEAKms-TpeakData_hhmm-->RvNm-R.C.--DWFcms
03109# 5.0 01/INWest_2 20.14 .162 1996.0731 16:20 45.78 .090
03110# [CN= 76.001; Ne= 300; Tp= 2.07]
03110# [iAECB: 6.001 SMIN: 39.75; SMAW: 264.99; SKw: .030]
03110# [InterEventTime: 12.00]
03111# RO097:CD00005-*
03112# CONTINUOUS_NASHYD ->AReAh-QPEAKms-TpeakData_hhmm-->RvNm-R.C.--DWFcms
03112# 5.0 01/INWest_3 14.01 .064 1996.0731 17:20 45.78 .n/a
03113# [CN= 100.001; Ne= 300; Tp= 2.07]
03113# [iAECB: 6.001 SMIN: 39.75; SMAW: 264.99; SKw: .030]
03113# [InterEventTime: 12.00]
03114# RO097:CD00006-*
03115# CONTINUOUS_NASHYD ->AReAh-QPEAKms-TpeakData_hhmm-->RvNm-R.C.--DWFcms
03115# 5.0 01/INWest_1 14.27 .107 1996.0731 16:20 45.78 .090
03116# [CN= 76.001; Ne= 300; Tp= 2.07]
03116# [iAECB: 6.001 SMIN: 39.75; SMAW: 264.99; SKw: .030]
03116# [InterEventTime: 12.00]
03117# RO097:CD00007-*
03118# CONTINUOUS_NASHYD ->AReAh-QPEAKms-TpeakData_hhmm-->RvNm-R.C.--DWFcms
03118# 5.0 01/INWest_2 20.14 .162 1996.0731 16:20 45.78 .090
03119# [CN= 76.001; Ne= 300; Tp= 2.07]
03119# [iAECB: 6.001 SMIN: 39.75; SMAW: 264.99; SKw: .030]
03119# [InterEventTime: 12.00]
03120# RO097:CD00008-*
03121# ADD HYD 5.0 02/INWest_1 14.27 .107 1996.0731 16:20 45.78 .090
03121# + 5.0 02/INWest_2 20.14 .162 1996.0731 16:20 45.78 .090
03121# + 5.0 02/INWest_3 14.01 .064 1996.0731 17:20 45.78 .n/a
03122# SUM: 5.0 01/INWest_Total 48.42 .324 1996.0731 16:20 45.78 .090
03123# [CN= 100.001; Ne= 300; Tp= 2.07]
03123# [iAECB: 6.001 SMIN: 39.75; SMAW: 264.99; SKw: .030]
03123# [InterEventTime: 12.00]
03124# RO097:CD00009-*
03125# CONTINUOUS_NASHYD ->AReAh-QPEAKms-TpeakData_hhmm-->RvNm-R.C.--DWFcms
03125# 5.0 01/INWest_1 14.27 .107 1996.0731 16:20 45.78 .090
03126# [CN= 76.001; Ne= 300; Tp= 2.07]
03126# [iAECB: 6.001 SMIN: 39.75; SMAW: 264.99; SKw: .030]
03126# [InterEventTime: 12.00]
03127# RO097:CD00010-*
03128# CONTINUOUS_NASHYD ->AReAh-QPEAKms-TpeakData_hhmm-->RvNm-R.C.--DWFcms
03128# 5.0 01/INWest_2 20.14 .162 1996.0731 16:20 45.78 .090
03129# [CN= 76.001; Ne= 300; Tp= 2.07]
03129# [iAECB: 6.001 SMIN: 39.75; SMAW: 264.99; SKw: .030]
03129# [InterEventTime: 12.00]
03130# RO097:CD00011-*
03131# ADD HYD 5.0 02/INWest_1 14.27 .107 1996.0731 16:20 45.78 .090
03131# + 5.0 02/INWest_2 20.14 .162 1996.0731 16:20 45.78 .090
03131# + 5.0 02/INWest_3 14.01 .064 1996.0731 17:20 45.78 .n/a
03132# SUM: 5.0 01/INWest_Total 48.42 .324 1996.0731 16:20 45.78 .090
03133# [CN= 100.001; Ne= 300; Tp= 2.07]
03133# [iAECB: 6.001 SMIN: 39.75; SMAW: 264.99; SKw: .030]
03133# [InterEventTime: 12.00]
03134# RO097:CD00012-*
03135# SET INFILTRATION TO 0 (CN = 99.99) FOR WATER BALANCE ANALYSIS
03136# RO097:CD00001-
03137# START
03137# [STZERO = .00 hrs on 19980101]
03137# [METOUT= 2 (Imperial, 2=metric output)]
03137# [INSTORM= 1]
03137# [INSTRM= 1]
03137# [INSTRM= 0088]
03138# ****
03139# * SWHMRY Ver:1.02/Jan/2001 BETTA/ / INPUT DATA FILE
03139# =====
03140# Project Name: Barrhaven Conservancy Development
03140# Project Number: 1474
03141# Modeler : J.Burnett, P.Eng.
03142# Updated : 2022/Dec/07 [JBJ]
03143# Updated : 2022/Mar/14 [JB]
03144# Company : J.F. Sabourin and Associates
03145# License : 1_2582634
03146# ****
03147# * Ottawa International Airport (1967 - 2003)
03148# RO098:CD00001-
03149# READ AER DATA
03149# =====
03150# [filename = YOM_1967_2007_123]
03150# [Start_date= 1998.01.01; End_date= 1998.12.31]
03150# (DT= 60: min; Length= 8504; hrst: Wethrs: 291; DryHrs: 479; PTOT: 440.30)
03151# Maximum average rainfall intensities over:
03151# 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
03151# 18.50 13.55 9.03 6.24 2.93 1.84 1.32 1.02 0.70 mm/hr
03151# 18.50 13.55 9.03 6.24 2.93 1.84 1.32 1.02 0.70 mm hr
03151# 18.50 13.55 9.03 6.24 2.93 1.84 1.32 1.02 0.70 mm hr
03152# 18.50 13.55 9.03 6.24 2.93 1.84 1.32 1.02 0.70 mm hr
03153# 18.50 13.55 9.03 6.24 2.93 1.84 1.32 1.02 0.70 mm hr
03154# 18.50 13.55 9.03 6.24 2.93 1.84 1.32 1.02 0.70 mm hr
03155# 18.50 13.55 9.03 6.24 2.93 1.84 1.32 1.02 0.70 mm hr
03156# 18.50 13.55 9.03 6.24 2.93 1.84 1.32 1.02 0.70 mm hr
03157# 18.50 13.55 9.03 6.24 2.93 1.84 1.32 1.02 0.70 mm hr
03158# 18.50 13.55 9.03 6.24 2.93 1.84 1.32 1.02 0.70 mm hr
03159# 18.50 13.55 9.03 6.24 2.
```

032412 CONTINUOUS NASHYD 5.0 01:INF-West_1 14.27 .176 1998.0627_1:50 127.31 .289 .000
 032413 [CN=100.0: N: 3.00: Tp: 1.14] .176 1998.0627_1:50 127.31 .289 .000
 032414 [InterEventTime: 12.00]
 032415 RO098:CD0009-----DRAIN-ID:NHYD-----ARAAh-QPEAKms-TpeakDate_hh:mm:---RVMn-R.C.---DWFcms
 032416 CONTINUOUS NASHYD 5.0 01:INF-West_2 20.14 .242 1998.0927_3:20 127.31 .289 .000
 032417 [CN=100.0: N: 3.00: Tp: 1.24]
 032418 [iAEBC 6.00: SMIN: 1.39: SMAX: 9.24: SKW: .000]
 032419 [InterEventTime: 12.00]
 032420 RO098:CD0010-----DRAIN-ID:NHYD-----ARAAh-QPEAKms-TpeakDate_hh:mm:---RVMn-R.C.---DWFcms
 032421 CONTINUOUS NASHYD 5.0 01:INF-West_3 14.01 .135 1998.0927_3:50 127.31 .289 .000
 032422 [CN=100.0: N: 3.00: Tp: 1.14] .135 1998.0927_3:50 127.31 .289 .000
 032423 [iAEBC 6.00: SMIN: 1.39: SMAX: 9.24: SKW: .000]
 032424 [InterEventTime: 12.00]
 032425 RO098:CD0011-----DRAIN-ID:NHYD-----ARAAh-QPEAKms-TpeakDate_hh:mm:---RVMn-R.C.---DWFcms
 032426 ADD RWD + 5.0 02:INF-West_1 20.14 .242 1998.0927_3:20 127.31 n/a .000
 032427 + 5.0 02:INF-West_3 14.01 .135 1998.0927_3:50 127.31 n/a .000
 032428 SUM: 10.0 01:INF-West_1 24.21 .402 1998.0927_3:50 127.31 n/a .000
 032429 *****
 032430 *****
 032431 # CONTINUOUS RAINFALL DATA
 032432 *****
 032433 ** END OF RUN : 98
 032434 *****
 032435 #
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 032478 #
 032479 # SWHMHO Ver:5.02/Jan 2001 <BETA> / INPUT DATA FILE
 032480 *****
 032481 Project Name: Barrhaven Conservancy Development
 032482 Project #: 1474
 032483 *****
 032484 #
 032485 #
 032486 #
 032487 #
 032488 # Company : J.F. Sabourin and Associates
 032489 # License #: 2582634
 032490 *****
 032491 # Ottawa International Airport (1967 - 2003)
 032492 RO099:CD0002-----
 032493 [Filename = YOM_1967_2007.123]
 032494 [Start_date: 1999.0101: End_date: 1999.1231]
 032495 [OTr: 60:min: Length: 5160hrs: NetHrs: 401: DryHrs: 4759: PTOT: 424.40]
 032496 [MetOut: 2 (Imperial, 2=metric output)]
 032497 [INSTRM: 0]
 032498 [INRNU: 0]
 032499 [INRNU: 0]
 032500 [INRNU: 0]
 032501 [INRNU: 0]
 032502 Number of rainfall events per following interevent time
 032503 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
 032504 102 .80 70 63 56 39 31 28 18
 032505 Number of events with at least the following durations
 032506 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
 032507 101 .57 31 10 0 0 0 0 0
 032508 RO099:CD0003-----
 032509 [APIntr= 50.00: APIkdy=.9000: APIkdt=.9956]
 032510 [APIntr= 69.51: APIkdy=.23.97: APIntr=.933]
 032511 [InterEventTime: 12.00]
 032512 #
 032513 # Barrhaven Conservancy West Developments (WITH INFILTRATION) - PRE DEVELOPMENT CONDITIONS
 032514 #
 032515 RO098:CD0004-----DRAIN-ID:NHYD-----ARAAh-QPEAKms-TpeakDate_hh:mm:---RVMn-R.C.---DWFcms
 032516 CONTINUOUS NASHYD 5.0 01:West_1 14.27 .092 1999.0906_91:15 33.30 .979 .000
 032517 [CN= 72.0: N: 3.00: Tp: 1.14] .092 1999.0906_91:15 33.30 .979 .000
 032518 [iAEBC 6.00: SMIN: 1.39: SMAX: 246.99: SKW: .000]
 032519 [InterEventTime: 12.00]
 032520 RO099:CD0005-----DRAIN-ID:NHYD-----ARAAh-QPEAKms-TpeakDate_hh:mm:---RVMn-R.C.---DWFcms
 032521 CONTINUOUS NASHYD 5.0 01:West_2 20.14 .146 1999.0906_91:20 38.58 .091 .000
 032522 [CN= 74.0: N: 3.00: Tp: 1.14] .146 1999.0906_91:20 38.58 .091 .000
 032523 [iAEBC 6.00: SMIN: 1.39: SMAX: 216.39: SKW: .000]
 032524 [InterEventTime: 12.00]
 032525 RO099:CD0006-----DRAIN-ID:NHYD-----ARAAh-QPEAKms-TpeakDate_hh:mm:---RVMn-R.C.---DWFcms
 032526 CONTINUOUS NASHYD 5.0 01:West_3 14.01 .069 1999.0906_91:20 32.57 .077 .000
 032527 [CN= 71.0: N: 3.00: Tp: 2.07] .069 1999.0906_91:20 32.57 .077 .000
 032528 [iAEBC 6.00: SMIN: 1.39: SMAX: 275.84: SKW: .000]
 032529 [InterEventTime: 12.00]
 032530 RO099:CD0007-----DRAIN-ID:NHYD-----ARAAh-QPEAKms-TpeakDate_hh:mm:---RVMn-R.C.---DWFcms
 032531 ADD RWD + 5.0 01:West_1 14.28 .092 1999.0906_91:20 33.38 .000
 032532 + 5.0 02:West_2 20.14 .369 1999.0906_91:20 38.58 n/a .000
 032533 + 5.0 02:West_3 14.01 .069 1999.0906_91:20 32.57 n/a .000
 032534 SUM: 10.0 01:West_1 24.46 .402 1999.0906_91:20 33.38 n/a .000
 032535 *****
 032536 #
 032537 #
 032538 # Set infiltration to 0 (CN = 99.99) for water balance analysis
 032539 #
 032540 RO099:CD0008-----DRAIN-ID:NHYD-----ARAAh-QPEAKms-TpeakDate_hh:mm:---RVMn-R.C.---DWFcms
 032541 CONTINUOUS NASHYD 5.0 01:INF-West_1 14.27 .277 1999.0906_91:20 131.43 .310 .000
 032542 [CN= 71.0: N: 3.00: Tp: 1.14] .277 1999.0906_91:20 131.43 .310 .000
 032543 [iAEBC 6.00: SMIN: 1.39: SMAX: 9.24: SKW: .000]
 032544 [InterEventTime: 12.00]
 032545 RO099:CD0009-----DRAIN-ID:NHYD-----ARAAh-QPEAKms-TpeakDate_hh:mm:---RVMn-R.C.---DWFcms
 032546 CONTINUOUS NASHYD 5.0 01:INF-West_2 20.14 .377 1999.0906_91:20 131.43 .310 .000
 032547 [CN= 72.0: N: 3.00: Tp: 1.14] .377 1999.0906_91:20 131.43 .310 .000
 032548 [iAEBC 6.00: SMIN: 1.39: SMAX: 9.24: SKW: .000]
 032549 [InterEventTime: 12.00]
 032550 RO099:CD0010-----DRAIN-ID:NHYD-----ARAAh-QPEAKms-TpeakDate_hh:mm:---RVMn-R.C.---DWFcms
 032551 CONTINUOUS NASHYD 5.0 01:INF-West_3 14.01 .209 1999.0906_91:20 131.43 .310 .000
 032552 [CN=100.0: N: 3.00: Tp: 2.07] .209 1999.0906_91:20 131.43 n/a .000
 032553 [iAEBC 6.00: SMIN: 1.39: SMAX: 246.99: SKW: .000]
 032554 [InterEventTime: 12.00]
 032555 RO099:CD0011-----DRAIN-ID:NHYD-----ARAAh-QPEAKms-TpeakDate_hh:mm:---RVMn-R.C.---DWFcms
 032556 ADD RWD + 5.0 01:INF-West_1 14.27 .207 1999.0906_91:20 131.43 n/a .000
 032557 + 5.0 02:INF-West_2 20.14 .377 1999.0906_91:20 131.43 n/a .000
 032558 + 5.0 02:INF-West_3 14.01 .209 1999.0906_91:20 131.43 n/a .000
 032559 SUM: 10.0 01:INF-West_1 24.46 .402 1999.0906_91:20 131.43 n/a .000
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03602> 20030711 20030711 20030711 20030711 2003071021 2003071015 20030525 20030526 20030527 date
03603> 1 2 3 4 5 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
03604> 145 127 103 86 64 45 38 25 15
03605> Number of events with at least the following durations
03606> 1 2 3 4 5 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
03607> 144 80 43 13 5 1 0 0 0 0 0
03608> R0103:00003-----
03609> # APIName: AP
03610> (#APIname 50.00; APfkdy=.9000; APfkhr=.9956)
03611> (#APIname 72.10; APflavg=28.54 APfmin=4.70)
03612> #*****
03613> # Barrhaven Conservancy West Developments (WITH INFILTRATION) - PRE DEVELOPMENT CONDITIONS
03614> #*****
03615> R0103:00004-----ARAhA-QPEAKcms-Tpeakdate_hh:mm:-->RVMm=R.C.--DWFcms
03616> CONTINUOUS NASHYD 5.0 01West_1 14.27 .149 2003.0711_17:45 76.07 .137 .000
03617> [CN= 72.0; N= 3.00 Tp= 1.14]
03618> [iREBC= 6.00; SMIN= 39.75; SMAX=264.99; SKw=.030]
03619> [iREBC= 6.00; SMIN= 32.46; SMAX=216.39; SKw=.030]
03620> R0103:00005-----Dhmin-ID:NHYD-----ARAhA-QPEAKcms-Tpeakdate_hh:mm:-->RVMm=R.C.--DWFcms
03621> CONTINUOUS NASHYD 5.0 01West_2 20.14 .221 2003.0711_17:50 86.07 .155 .000
03622> [CN= 72.0; N= 3.00 Tp= 1.14]
03623> [iREBC= 6.00; SMIN= 32.46; SMAX=216.39; SKw=.030]
03624> [iREBC= 6.00; SMIN= 32.46; SMAX=215.84; SKw=.030]
03625> R0103:00006-----ARAhA-QPEAKcms-Tpeakdate_hh:mm:-->RVMm=R.C.--DWFcms
03626> CONTINUOUS NASHYD 5.0 01West_3 14.01 .091 2003.0711_17:50 74.30 .134 .000
03627> [CN= 71.0; N= 3.00 Tp= 2.07]
03628> [iREBC= 6.00; SMIN= 39.75; SMAX=264.99; SKw=.030]
03629> [iREBC= 6.00; SMIN= 32.46; SMAX=216.39; SKw=.030]
03630> R0103:00007-----Dhmin-ID:NHYD-----ARAhA-QPEAKcms-Tpeakdate_hh:mm:-->RVMm=R.C.--DWFcms
03631> CONTINUOUS NASHYD 5.0 01West_1 14.27 .149 2003.0711_17:45 76.17 n/a .000
03632> + 5.0 02West_2 20.14 .221 2003.0711_17:50 86.07 n/a .000
03633> + 5.0 02West_3 14.01 .091 2003.0711_17:50 74.30 n/a .000
03634> ADD HYD 5.0 01West_1 14.27 .149 2003.0711_17:45 76.17 n/a .000
03635> #*****
03636> # Barrhaven Conservancy West Developments (WITHOUT INFILTRATION) - PRE DEVELOPMENT CONDITIONS
03637> #*****
03638> # Set Infiltration to 0 (CN = 99.99) for water balance analysis
03639> #*****
03640> R0103:00008-----Dhmin-ID:NHYD-----ARAhA-QPEAKcms-Tpeakdate_hh:mm:-->RVMm=R.C.--DWFcms
03641> CONTINUOUS NASHYD 5.0 01INF-West_1 14.27 .307 2003.0711_17:35 204.68 .369 .000
03642> [CN=100.0; N= 3.00 Tp= 1.14]
03643> [iREBC= 6.00; SMIN= 9.24; SMAX= .000]
03644> [iREBC= 6.00; SMIN= 12.00; SMAX= .000]
03645> R0103:00009-----Dhmin-ID:NHYD-----ARAhA-QPEAKcms-Tpeakdate_hh:mm:-->RVMm=R.C.--DWFcms
03646> CONTINUOUS NASHYD 5.0 01INF-West_2 20.14 .403 2003.0711_17:40 204.68 .369 .000
03647> [CN=100.0; N= 3.00 Tp= 1.14]
03648> [iREBC= 6.00; SMIN= 9.24; SMAX= .000]
03649> [iREBC= 6.00; SMIN= 12.00; SMAX= .000]
03650> R0103:00010-----Dhmin-ID:NHYD-----ARAhA-QPEAKcms-Tpeakdate_hh:mm:-->RVMm=R.C.--DWFcms
03651> CONTINUOUS NASHYD 5.0 01INF-West_3 14.01 .191 2003.0711_18:20 204.68 .369 .000
03652> [CN=100.0; N= 3.00 Tp= 2.07]
03653> [iREBC= 6.00; SMIN= 9.24; SMAX= .000]
03654> [iREBC= 6.00; SMIN= 12.00; SMAX= .000]
03655> R0103:00011-----Dhmin-ID:NHYD-----ARAhA-QPEAKcms-Tpeakdate_hh:mm:-->RVMm=R.C.--DWFcms
03656> CONTINUOUS RAINFALL DATA
03657> ADD HYD 5.0 02INF-West_1 20.14 .403 2003.0711_17:40 204.68 n/a .000
03658> + 5.0 02INF-West_2 20.14 .403 2003.0711_17:40 204.68 n/a .000
03659> + 5.0 02INF-West_3 14.01 .191 2003.0711_18:20 204.68 n/a .000
03660> + 5.0 01INF-West_4 48.42 .876 2003.0711_17:40 204.68 n/a .000
03661> # CONTINUOUS RAINFALL DATA
03662> #####FINISH#####
03663> R0103:00002-----FINISH
03664> -----
03665> -----
03666> -----
03667> # WARNINGS / ERRORS / NOTES
03668> R0067:00002 READ AEE DATA
03669> *** WARNING: Requested start date is less than start date in file.
03670> *** WARNING: Missing rainfall increments were set to 0.
03671> *** WARNING: Missing rainfall increments were set to 0.
03672> *** WARNING: Missing rainfall increments were set to 0.
03673> *** WARNING: Missing rainfall increments were set to 0.
03674> *** WARNING: Missing rainfall increments were set to 0.
03675> *** WARNING: Missing rainfall increments were set to 0.
03676> *** WARNING: Missing rainfall increments were set to 0.
03677> *** WARNING: Missing rainfall increments were set to 0.
03678> *** WARNING: Missing rainfall increments were set to 0.
03679> *** WARNING: Missing rainfall increments were set to 0.
03680> *** WARNING: Missing rainfall increments were set to 0.
03681> *** WARNING: Missing rainfall increments were set to 0.
03682> *** WARNING: Missing rainfall increments were set to 0.
03683> *** WARNING: Missing rainfall increments were set to 0.
03684> *** WARNING: Missing rainfall increments were set to 0.
03685> *** WARNING: Missing rainfall increments were set to 0.
03686> *** WARNING: Missing rainfall increments were set to 0.
03687> *** WARNING: Missing rainfall increments were set to 0.
03688> *** WARNING: Missing rainfall increments were set to 0.
03689> *** WARNING: Missing rainfall increments were set to 0.
03690> *** WARNING: Missing rainfall increments were set to 0.
03691> *** WARNING: Missing rainfall increments were set to 0.
03692> *** WARNING: Requested start date is less than start date in file.
03693> *** WARNING: Missing rainfall increments were set to 0.
03694> *** WARNING: Missing rainfall increments were set to 0.
03695> *** WARNING: Missing rainfall increments were set to 0.
03696> *** WARNING: Requested start date is less than start date in file.
03697> *** WARNING: Missing rainfall increments were set to 0.
03698> *** WARNING: Requested start date is less than start date in file.
03699> *** WARNING: Missing rainfall increments were set to 0.
03700> *** WARNING: Missing rainfall increments were set to 0.
03701> *** WARNING: Missing rainfall increments were set to 0.
03702> *** WARNING: Missing rainfall increments were set to 0.
03703> *** WARNING: Requested start date is less than start date in file.
03704> *** WARNING: Missing rainfall increments were set to 0.
03705> *** WARNING: Missing rainfall increments were set to 0.
03706> *** WARNING: Requested start date is less than start date in file.
03707> *** WARNING: Missing rainfall increments were set to 0.
03708> *** WARNING: Requested start date is less than start date in file.
03709> *** WARNING: Missing rainfall increments were set to 0.
03710> *** WARNING: Missing rainfall increments were set to 0.
03711> *** WARNING: Missing rainfall increments were set to 0.
03712> *** WARNING: Requested start date is less than start date in file.
03713> *** WARNING: Missing rainfall increments were set to 0.
03714> *** WARNING: Requested start date is less than start date in file.
03715> *** WARNING: Missing rainfall increments were set to 0.
Simulation ended on 2024-03-14 at 20:05:19
03717> ****
03718> ****

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1      20      Metric units / ID Numbers OFF
2      ****
3      *# SWMHYMO Ver:5.02/Jan 2001 <BETA> / INPUT DATA FILE
4      ****
5      *# Project Name: Barrhaven Conservancy Development
6      *# Project Number: 1474
7      *# Date       : 2021/Oct/18
8      *# Modeller    : J.Burnett, P.Eng.
9      *# Updated     : 2024/Mar/14 [LP]
10     *# Company     : J.F. Sabourin and Associates
11     *# License #   : 2582634
12     ****
13     START           TZERO=[1967.0101], METOUT=[2], NSTORM=[0], NRUN=[67]
14     *%             ["] <--storm filename, one per line for NSTORM time
15     *%-----|-----|
16     *# Ottawa International Airport (1967 - 2003)
17     READ AES DATA   AES_FILENAME=[YOW_1967_2007.123],
18                 IELEM=[123], START_DATE=[0], END_DATE=[-364]
19     *%-----|-----|
20     COMPUTE API     APII=[50], APIK=[0.90]/day
21     *%-----|-----|
22     ****
23     *# Barrhaven Conservancy Development Phase 3 (WITH INFILTRATION) -
24     POST DEVELOPMENT CONDITIONS
25     *%-----|-----|
26     CONTINUOUS STANDHYD NHYD=[W1"], DT=[5] (min), AREA=[5.76] (ha),
27                 XIMP=[0.55], TIMP=[0.66], DWF=[0] (cms),
28                 LOSS=[2]: SCS curve number CN=[71],
29                 Previous areas: IAper=[4.67] (mm), SLPP=[2.0] (%), LGP=[40] (m),
30                 MNP=[0.250], SCP=[0] (min),
31                 Impervious areas: IAimp=[1.57] (mm), SLPI=[0.5] (%), LGI=[196] (m),
32                 MNI=[0.013], SCI=[0] (min),
33                 Continuous simulation parameters:
34                 IaRECper=[6] (hrs), IaRECImp=[1.5] (hrs),
35                 SMIN=[-1] (mm), SMAX=[-1] (mm), SK=[0.03] / (mm),
36                 InterEventTime=[12] (hrs), END=-1
37     *%-----|-----|
38     *# LID for Outlet W1 (14 catchbasins, 30 m long trench each)
39     *# Assumed 420 m long trench 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm
40     *# diameter perforated pipe
41     *# Total Volume provided by LID - 96 m3
42     *# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
43     ROUTE RESERVOIR NHYDout=[W1-LID"], NHYDin=[W1"], RDT=[5] (min),
44                 TABLE of ( OUTFLOW-STORAGE ) values
45                 (cms) - (ha-m)
46                 [ 0.0000 , 0.0000 ]
47                 [ 0.0004 , 0.0001 ]
48                 [ 0.0005 , 0.0096 ]
49                 [ -1 , -1 ]
50                 NHYDovf=[W1-LID-Out"],
51     *%-----|-----|
52     CONTINUOUS STANDHYD NHYD=[W2"], DT=[5] (min), AREA=[8.51] (ha)
53                 XIMP=[0.50], TIMP=[0.60], DWF=[0] (cms),
54                 LOSS=[2]: SCS curve number CN=[71],
55                 Previous areas: IAper=[4.67] (mm), SLPP=[2.0] (%), LGP=[40] (m),
56                 MNP=[0.250], SCP=[0] (min),
57                 Impervious areas: IAimp=[1.57] (mm), SLPI=[0.5] (%), LGI=[238] (m),

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53 MNI=[0.013], SCI=[0] (min),
54 Continuous simulation parameters:
55 IaRECper=[6] (hrs), IaRECImp=[1.5] (hrs),
56 SMIN=[-1] (mm), SMAX=[-1] (mm), SK=[0.03]/(mm),
57 InterEventTime=[12] (hrs), END=-1
58 *%-----|-----|
59 *# LID for Outlet W2 (19 catchbasins, 30 m long trench each)
60 *# Assumed 570 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm
61 diameter perforated pipe
62 *# Total Volume provided by LID - 131 m3
63 *# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
64 ROUTE RESERVOIR NHYDout=["W2-LID"], NHYDin=["W2"], RDT=[5] (min),
65 TABLE of ( OUTFLOW-STORAGE ) values
66 (cms) - (ha-m)
67 [ 0.0000 , 0.0000 ]
68 [ 0.0006 , 0.0001 ]
69 [ 0.0007 , 0.0131 ]
70 [ -1 , -1 ]
71 NHYDovf=["W2-LID-Out"],
72 *%-----|-----|
73 CONTINUOUS STANDHYD NHYD=["W3"], DT=[5] (min), AREA=[10.03] (ha)
74 XIMP=[0.66], TIMP=[0.76], DWF=[0] (cms),
75 LOSS=[2]: SCS curve number CN=[71],
76 Pervious areas: IAper=[4.67] (mm), SLPP=[2.0] (%), LGP=[40] (m),
77 MNP=[0.250], SCP=[0] (min),
78 Impervious areas: IAimp=[1.57] (mm), SLPI=[0.5] (%), LGI=[259] (m),
79 MNI=[0.013], SCI=[0] (min),
80 Continuous simulation parameters:
81 IaRECper=[6] (hrs), IaRECImp=[1.5] (hrs),
82 SMIN=[-1] (mm), SMAX=[-1] (mm), SK=[0.03]/(mm),
83 InterEventTime=[12] (hrs), END=-1
84 *%-----|-----|
85 *# LID for Outlet W3 (28 catchbasins, 30 m long trench each)
86 *# Assumed 840 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm
87 diameter perforated pipe
88 *# Total Volume provided by LID - 193 m3
89 *# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
90 ROUTE RESERVOIR NHYDout=["W3-LID"], NHYDin=["W3"], RDT=[5] (min),
91 TABLE of ( OUTFLOW-STORAGE ) values
92 (cms) - (ha-m)
93 [ 0.0000 , 0.0000 ]
94 [ 0.0010 , 0.0001 ]
95 [ 0.0011 , 0.0193 ]
96 [ -1 , -1 ]
97 NHYDovf=["W3-LID-Out"],
98 *%-----|-----|
99 CONTINUOUS STANDHYD NHYD=["W4"], DT=[5] (min), AREA=[10.11] (ha)
100 XIMP=[0.60], TIMP=[0.70], DWF=[0] (cms),
101 LOSS=[2]: SCS curve number CN=[71],
102 Pervious areas: IAper=[4.67] (mm), SLPP=[2.0] (%), LGP=[40] (m),
103 MNP=[0.250], SCP=[0] (min),
104 Impervious areas: IAimp=[1.57] (mm), SLPI=[0.5] (%), LGI=[260] (m),
105 MNI=[0.013], SCI=[0] (min),
106 Continuous simulation parameters:
107 IaRECper=[6] (hrs), IaRECImp=[1.5] (hrs),
108 SMIN=[-1] (mm), SMAX=[-1] (mm), SK=[0.03]/(mm),
109 InterEventTime=[12] (hrs), END=-1
110 *%-----|-----|
111 *# LID for Outlet W4 (27 catchbasins, 30 m long trench each)
112 *# Assumed 810 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm
113 diameter perforated pipe
114 *# Total Volume provided by LID - 186 m3
115 *# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
116 ROUTE RESERVOIR NHYDout=["W4-LID"], NHYDin=["W4"], RDT=[5] (min),

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106          TABLE of ( OUTFLOW-STORAGE ) values
107              (cms) - (ha-m)
108                  [ 0.0000 , 0.0000 ]
109                  [ 0.0009 , 0.0001 ]
110                  [ 0.0010 , 0.0186 ]
111                  [ -1 , -1 ]
112          NHYDovf= ["W4-LID-Out"],
113      *%-----|-----|
114 CONTINUOUS STANDHYD NHYD= ["W5"], DT=[5] (min), AREA=[6.20] (ha)
115             XIMP=[0.57], TIMP=[0.67], DWF=[0] (cms),
116             LOSS=[2]: SCS curve number CN=[71],
117             Pervious areas: IAper=[4.67] (mm), SLPP=[2.0] (%), LGP=[40] (m),
118             MNP=[0.250], SCP=[0] (min),
119             Impervious areas: IAimp=[1.57] (mm), SLPI=[0.5] (%), LGI=[203] (m),
120             MNI=[0.013], SCI=[0] (min),
121             Continuous simulation parameters:
122             IaRECper=[6] (hrs), IaRECImp=[1.5] (hrs),
123             SMIN=[-1] (mm), SMAX=[-1] (mm), SK=[0.03]/(mm),
124             InterEventTime=[12] (hrs), END=-1
125      *%-----|-----|
126      *# LID for Outlet W5 (16 catchbasins, 30 m long trench each)
127      *# Assumed 480 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm
128      *# diameter perforated pipe
129      *# Total Volume provided by LID - 110 m3
130      *# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
131 ROUTE RESERVOIR      NHYDout= ["W5-LID"], NHYDin= ["W5"], RDT=[5] (min),
132             TABLE of ( OUTFLOW-STORAGE ) values
133                 (cms) - (ha-m)
134                     [ 0.0000 , 0.0000 ]
135                     [ 0.0005 , 0.0001 ]
136                     [ 0.0006 , 0.0110 ]
137                     [ -1 , -1 ]
138             NHYDovf= ["W5-LID-Out"],
139      *%-----|-----|
140 CONTINUOUS STANDHYD NHYD= ["W6"], DT=[5] (min), AREA=[7.81] (ha)
141             XIMP=[0.71], TIMP=[0.81], DWF=[0] (cms),
142             LOSS=[2]: SCS curve number CN=[71],
143             Pervious areas: IAper=[4.67] (mm), SLPP=[2.0] (%), LGP=[40] (m),
144             MNP=[0.250], SCP=[0] (min),
145             Impervious areas: IAimp=[1.57] (mm), SLPI=[0.5] (%), LGI=[228] (m),
146             MNI=[0.013], SCI=[0] (min),
147             Continuous simulation parameters:
148             IaRECper=[6] (hrs), IaRECImp=[1.5] (hrs),
149             SMIN=[-1] (mm), SMAX=[-1] (mm), SK=[0.03]/(mm),
150             InterEventTime=[12] (hrs), END=-1
151      *%-----|-----|
152      *# LID for Outlet W6 (24 catchbasins, 30 m long trench each)
153      *# Assumed 720 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm
154      *# diameter perforated pipe
155      *# Total Volume provided by LID - 165 m3
156      *# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
157 ROUTE RESERVOIR      NHYDout= ["W6-LID"], NHYDin= ["W6"], RDT=[5] (min),
158             TABLE of ( OUTFLOW-STORAGE ) values
159                 (cms) - (ha-m)
160                     [ 0.0000 , 0.0000 ]
161                     [ 0.0008 , 0.0001 ]
162                     [ 0.0009 , 0.0165 ]
163                     [ -1 , -1 ]
164             NHYDovf= ["W6-LID-Out"],
165      *%-----|-----|
166      *Development Without LIDs
167 ADD HYD          NHYDsum= ["BCD-PH3"], NHYDs to add= ["W1", "W2", "W3", "W4", "W5", "W6"]
168      *%-----|-----|

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161 *Development With LIDs
162 ADD HYD          NHYDsum= ["BCD-PH3-LID"], NHYDs to
163 add= ["W1-LID-Out", "W2-LID-Out", "W3-LID-Out", "W4-LID-Out", "W5-LID-Out", "W6-LID-Out"]
164 *%-----|-----|
165 *#***** Barrhaven Conservancy Development Phase 3 (WITHOUT INFILTRATION) -
166 POST DEVELOPMENT CONDITIONS
167 *#***** Set infiltration to 0 (CN = 99.99) for water balance analysis
168 *#***** -----
169 *%-----|-----|
170 CONTINUOUS STANDHYD NHYD= ["INF-W1"], DT=[5] (min), AREA=[5.76] (ha)
171           XIMP=[0.55], TIMP=[0.66], DWF=[0] (cms),
172           LOSS=[2]: SCS curve number CN=[99.99],
173           Pervious areas: IAper=[4.67] (mm), SLPP=[2.0] (%), LGP=[40] (m),
174           MNP=[0.250], SCP=[0] (min),
175           Impervious areas: IAimp=[1.57] (mm), SLPI=[0.5] (%), LGI=[196] (m),
176           MNI=[0.013], SCI=[0] (min),
177           Continuous simulation parameters:
178           IaRECper=[6] (hrs), IaRECImp=[1.5] (hrs),
179           SMIN=[-1] (mm), SMAX=[-1] (mm), SK=[0.00]/(mm),
180           InterEventTime=[12] (hrs), END=-1
181 *%-----|-----|
182 CONTINUOUS STANDHYD NHYD= ["INF-W2"], DT=[5] (min), AREA=[8.51] (ha)
183           XIMP=[0.50], TIMP=[0.60], DWF=[0] (cms),
184           LOSS=[2]: SCS curve number CN=[99.99],
185           Pervious areas: IAper=[4.67] (mm), SLPP=[2.0] (%), LGP=[40] (m),
186           MNP=[0.250], SCP=[0] (min),
187           Impervious areas: IAimp=[1.57] (mm), SLPI=[0.5] (%), LGI=[238] (m),
188           MNI=[0.013], SCI=[0] (min),
189           Continuous simulation parameters:
190           IaRECper=[6] (hrs), IaRECImp=[1.5] (hrs),
191           SMIN=[-1] (mm), SMAX=[-1] (mm), SK=[0.00]/(mm),
192           InterEventTime=[12] (hrs), END=-1
193 *%-----|-----|
194 CONTINUOUS STANDHYD NHYD= ["INF-W3"], DT=[5] (min), AREA=[10.03] (ha)
195           XIMP=[0.66], TIMP=[0.76], DWF=[0] (cms),
196           LOSS=[2]: SCS curve number CN=[99.99],
197           Pervious areas: IAper=[4.67] (mm), SLPP=[2.0] (%), LGP=[40] (m),
198           MNP=[0.250], SCP=[0] (min),
199           Impervious areas: IAimp=[1.57] (mm), SLPI=[0.5] (%), LGI=[259] (m),
200           MNI=[0.013], SCI=[0] (min),
201           Continuous simulation parameters:
202           IaRECper=[6] (hrs), IaRECImp=[1.5] (hrs),
203           SMIN=[-1] (mm), SMAX=[-1] (mm), SK=[0.00]/(mm),
204           InterEventTime=[12] (hrs), END=-1
205 *%-----|-----|
206 CONTINUOUS STANDHYD NHYD= ["INF-W5"], DT=[5] (min), AREA=[6.20] (ha)

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207           XIMP=[0.57], TIMP=[0.67], DWF=[0] (cms),
208           LOSS=[2]: SCS curve number CN=[99.99],
209           Previous areas: IAper=[4.67] (mm), SLPP=[2.0] (%), LGP=[40] (m),
210           MNP=[0.250], SCP=[0] (min),
211           Impervious areas: IAimp=[1.57] (mm), SLPI=[0.5] (%), LGI=[203] (m),
212           MNI=[0.013], SCI=[0] (min),
213           Continuous simulation parameters:
214           IaRECper=[6] (hrs), IaRECImp=[1.5] (hrs),
215           SMIN=[-1] (mm), SMAX=[-1] (mm), SK=[0.00]/(mm),
216           InterEventTime=[12] (hrs), END=-1
217
218 *%-----|-----|
219 CONTINUOUS STANDHYD NHYD=["INF-W6"], DT=[5] (min), AREA=[7.81] (ha)
220           XIMP=[0.71], TIMP=[0.81], DWF=[0] (cms),
221           LOSS=[2]: SCS curve number CN=[99.99],
222           Previous areas: IAper=[4.67] (mm), SLPP=[2.0] (%), LGP=[40] (m),
223           MNP=[0.250], SCP=[0] (min),
224           Impervious areas: IAimp=[1.57] (mm), SLPI=[0.5] (%), LGI=[228] (m),
225           MNI=[0.013], SCI=[0] (min),
226           Continuous simulation parameters:
227           IaRECper=[6] (hrs), IaRECImp=[1.5] (hrs),
228           SMIN=[-1] (mm), SMAX=[-1] (mm), SK=[0.00]/(mm),
229           InterEventTime=[12] (hrs), END=-1
230
231 *%-----|-----|
232 *Development Without Infiltration for water budget
233 ADD HYD           NHYDsum=["INF-BCD-PH3"], NHYDs to add=["INF-W1", "INF-W2", "INF-W3",
234           "INF-W4", "INF-W5", "INF-W6"]
235 *%-----|-----|
236 *##########
237 *# CONTINUOUS RAINFALL DATA
238 *#####
239 *%-----|-----|
240 START           TZERO=[1968.0101], METOUT=[2], NSTORM=[0], NRUN=[68]
241 *%-----|-----|
242 START           TZERO=[1969.0101], METOUT=[2], NSTORM=[0], NRUN=[69]
243 *%-----|-----|
244 START           TZERO=[1970.0101], METOUT=[2], NSTORM=[0], NRUN=[70]
245 *%-----|-----|
246 START           TZERO=[1971.0101], METOUT=[2], NSTORM=[0], NRUN=[71]
247 *%-----|-----|
248 START           TZERO=[1972.0101], METOUT=[2], NSTORM=[0], NRUN=[72]
249 *%-----|-----|
250 START           TZERO=[1973.0101], METOUT=[2], NSTORM=[0], NRUN=[73]
251 *%-----|-----|
252 START           TZERO=[1974.0101], METOUT=[2], NSTORM=[0], NRUN=[74]
253 *%-----|-----|
254 START           TZERO=[1975.0101], METOUT=[2], NSTORM=[0], NRUN=[75]
255 *%-----|-----|
256 START           TZERO=[1976.0101], METOUT=[2], NSTORM=[0], NRUN=[76]
257 *%-----|-----|
258 START           TZERO=[1977.0101], METOUT=[2], NSTORM=[0], NRUN=[77]
259 *%-----|-----|
260 START           TZERO=[1978.0101], METOUT=[2], NSTORM=[0], NRUN=[78]
261 *%-----|-----|

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254 START TZERO=[1979.0101], METOUT=[2], NSTORM=[0], NRUN=[ 79]
255 *%
256 START TZERO=[1980.0101], METOUT=[2], NSTORM=[0], NRUN=[ 80]
257 *%
258 START TZERO=[1981.0101], METOUT=[2], NSTORM=[0], NRUN=[ 81]
259 *%
260 START TZERO=[1982.0101], METOUT=[2], NSTORM=[0], NRUN=[ 82]
261 *%
262 START TZERO=[1983.0101], METOUT=[2], NSTORM=[0], NRUN=[ 83]
263 *%
264 START TZERO=[1984.0101], METOUT=[2], NSTORM=[0], NRUN=[ 84]
265 *%
266 START TZERO=[1985.0101], METOUT=[2], NSTORM=[0], NRUN=[ 85]
267 *%
268 START TZERO=[1986.0101], METOUT=[2], NSTORM=[0], NRUN=[ 86]
269 *%
270 START TZERO=[1987.0101], METOUT=[2], NSTORM=[0], NRUN=[ 87]
271 *%
272 START TZERO=[1988.0101], METOUT=[2], NSTORM=[0], NRUN=[ 88]
273 *%
274 START TZERO=[1989.0101], METOUT=[2], NSTORM=[0], NRUN=[ 89]
275 *%
276 START TZERO=[1990.0101], METOUT=[2], NSTORM=[0], NRUN=[ 90]
277 *%
278 START TZERO=[1991.0101], METOUT=[2], NSTORM=[0], NRUN=[ 91]
279 *%
280 START TZERO=[1992.0101], METOUT=[2], NSTORM=[0], NRUN=[ 92]
281 *%
282 START TZERO=[1993.0101], METOUT=[2], NSTORM=[0], NRUN=[ 93]
283 *%
284 START TZERO=[1994.0101], METOUT=[2], NSTORM=[0], NRUN=[ 94]
285 *%
286 START TZERO=[1995.0101], METOUT=[2], NSTORM=[0], NRUN=[ 95]
287 *%
288 START TZERO=[1996.0101], METOUT=[2], NSTORM=[0], NRUN=[ 96]
289 *%
290 START TZERO=[1997.0101], METOUT=[2], NSTORM=[0], NRUN=[ 97]
291 *%
292 START TZERO=[1998.0101], METOUT=[2], NSTORM=[0], NRUN=[ 98]
293 *%
294 START TZERO=[1999.0101], METOUT=[2], NSTORM=[0], NRUN=[ 99]
295 *%
296 START TZERO=[2000.0101], METOUT=[2], NSTORM=[0], NRUN=[100]
297 *%
298 *% MISSING FROM AES RAINFALL DATA
299 *%START TZERO=[2001.0101], METOUT=[2], NSTORM=[0], NRUN=[101]
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300 *%-----|-----  
301 START TZERO=[2002.0101], METOUT=[2], NSTORM=[0], NRUN=[102]  
302 *%-----|-----  
303 START TZERO=[2003.0101], METOUT=[2], NSTORM=[0], NRUN=[103]  
304 *%-----|-----  
305 FINISH
```


00361# CONTINUOUS STANDHY 5.0 01:W2 8.51 .496 1968.0817_ 5:00 263.54 .445 .000
 00362# [XIMP=..50;TIME=..60] 8.51 .496 1968.0817_ 5:00 263.54 .445 .000
 00363# [LOCN= 1CN=100.0] 8.51 .496 1968.0817_ 5:00 263.54 .445 .000
 00364# [Previous area: Iapres 4.67:SLPP=2.00:LGF= 40.:MNP=..250:SCP= .0]
 00365# [Imperious area: Ialimp 1.57:SLPI= ..50:LGI= 238.:MMI=..013:SCI= .0]
 00366# [SMMN= 41.38 :SMAX=275.84 :SK= ..030]
 00367# LID for Outlet W4 (9 catchbasins, 30 m long trench each)
 00368# Total Volume provided by LID = 131 m³ by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
 00369# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
 00370# # Total Volume provided by LID = 131 m³ by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
 00371# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
 00372# RO0681C00009-----Dtnin-ID:INHYD---ARAhA-QPEAKms-TpeakDate_hh:mm---RVMn=R.C.--DWFcms
 00373# ROUTE RESERVOIR-> 5.0 01:W2 2.17 .001 1968.0202_ 3:15 263.54 n/a .000
 00374# out <= 5.0 01:W2:LID-Dut 2.17 .001 1968.0202_ 3:15 263.54 n/a .000
 00375# overflow <= 5.0 01:W2:LID-Dut 2.17 .001 1968.0202_ 3:15 263.54 n/a .000
 00376# [MastCoLeds..1310E-01 m3, TotTurVol=.165, m3, N-Ovr= 114, ToTurOrf=.149, hrs= .000]
 00377# RO0681C00008-----Dtnin-ID:INHYD---ARAhA-QPEAKms-TpeakDate_hh:mm---RVMn=R.C.--DWFcms
 00378# CONTINUOUS STANDHY 5.0 01:W3 10.03 .704 1968.0817_ 5:00 326.57 .551 .000
 00379# [LOCN= 2 CN=71.0] 10.03 .704 1968.0817_ 5:00 326.57 .551 .000
 00380# [Previous area: Iapres 4.67:SLPP=2.00:LGF= 40.:MNP=..250:SCP= .0]
 00381# [Imperious area: Ialimp 1.57:SLPI= ..50:LGI= 239.:MMI=..013:SCI= .0]
 00382# [SMMN= 41.38 :SMAX=275.84 :SK= ..030]
 00383# [iaECImp= 1.50: IaRECPer= 6.00]
 00384# # LID for Outlet W4 (9 catchbasins, 30 m long trench each)
 00385# Assumed 840 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
 00386# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
 00387# Total Volume provided by LID = 193 m³ by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
 00388# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
 00389# # Total Volume provided by LID = 193 m³ by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
 00390# ROUTE RESERVOIR-> 5.0 01:W3 10.03 .704 1968.0817_ 5:00 326.57 n/a .000
 00391# out <= 5.0 01:W3:LID-Dut 1.42 .001 1968.0202_ 3:15 302.85 n/a .000
 00392# overflow <= 5.0 01:W3:LID-Dut 1.42 .001 1968.0202_ 3:15 302.85 n/a .000
 00393# [MastCoLeds..1310E-01 m3, TotTurVol=.165, m3, N-Ovr= 114, ToTurOrf=.149, hrs= .000]
 00394# RO0681C00010-----Dtnin-ID:INHYD---ARAhA-QPEAKms-TpeakDate_hh:mm---RVMn=R.C.--DWFcms
 00395# CONTINUOUS STANDHY 5.0 01:W4 15.11 .663 1968.0817_ 5:00 302.84 .511 .000
 00396# [XIMP=..50;TIME=..76] 15.11 .663 1968.0817_ 5:00 302.84 .511 .000
 00397# [LOCN= 2 CN=71.0] 15.11 .663 1968.0817_ 5:00 302.84 .511 .000
 00398# [Previous area: Iapres 4.67:SLPP=2.00:LGF= 40.:MNP=..250:SCP= .0]
 00399# [Imperious area: Ialimp 1.57:SLPI= ..50:LGI= 260.:MMI=..013:SCI= .0]
 00400# [iaECImp= 1.50: IaRECPer= 6.00]
 00401# [SMMN= 41.38 :SMAX=275.84 :SK= ..030]
 00402# LID for Outlet W4 (27 catchbasins, 30 m long trench each)
 00403# Assumed 810 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
 00404# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
 00405# # Total Volume provided by LID = 110 m³
 00406# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
 00407# ROUTE RESERVOIR-> 5.0 01:W4 6.20 .398 1968.0817_ 5:00 291.03 n/a .000
 00408# out <= 5.0 01:W4:LID 1.69 .001 1968.0202_ 3:20 291.03 n/a .000
 00409# overflow <= 5.0 01:W4:LID-Dut 1.69 .001 1968.0202_ 3:20 291.03 n/a .000
 00410# [MastCoLeds..1310E-01 m3, TotTurVol=.165, m3, N-Ovr= 114, ToTurOrf=.149, hrs= .000]
 00411# RO0681C00012-----Dtnin-ID:INHYD---ARAhA-QPEAKms-TpeakDate_hh:mm---RVMn=R.C.--DWFcms
 00412# CONTINUOUS STANDHY 5.0 01:W5 6.20 .395 1968.0817_ 5:00 291.03 .491 .000
 00413# [LOCN= 2 CN=71.0] 6.20 .395 1968.0817_ 5:00 291.03 .491 .000
 00414# [Previous area: Iapres 4.67:SLPP=2.00:LGF= 40.:MNP=..250:SCP= .0]
 00415# [Imperious area: Ialimp 1.57:SLPI= ..50:LGI= 260.:MMI=..013:SCI= .0]
 00416# [iaECImp= 1.50: IaRECPer= 6.00]
 00417# [SMMN= 41.38 :SMAX=275.84 :SK= ..030]
 00418# LID for Outlet W5 (16 catchbasins, 30 m long trench each)
 00419# Assumed 480 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
 00420# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
 00421# Total Volume provided by LID = 110 m³
 00422# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
 00423# ROUTE RESERVOIR-> 5.0 01:W5 6.20 .398 1968.0817_ 5:00 291.03 n/a .000
 00424# out <= 5.0 01:W5:LID 1.69 .001 1968.0202_ 3:20 291.03 n/a .000
 00425# overflow <= 5.0 01:W5:LID-Dut 1.69 .001 1968.0202_ 3:20 291.03 n/a .000
 00426# [MastCoLeds..1310E-01 m3, TotTurVol=.165, m3, N-Ovr= 114, ToTurOrf=.149, hrs= .000]
 00427# RO0681C00014-----Dtnin-ID:INHYD---ARAhA-QPEAKms-TpeakDate_hh:mm---RVMn=R.C.--DWFcms
 00428# CONTINUOUS STANDHY 5.0 01:W6 7.81 .580 1968.0817_ 5:00 346.56 .585 .000
 00429# [LOCN= 2 CN=71.0] 7.81 .580 1968.0817_ 5:00 346.56 .585 .000
 00430# [XIMP=..50;TIME=..81] 7.81 .580 1968.0817_ 5:00 346.56 .585 .000
 00431# [LOCN= 2 CN=71.0] 7.81 .580 1968.0817_ 5:00 346.56 .585 .000
 00432# [Previous area: Iapres 4.67:SLPP=2.00:LGF= 40.:MNP=..250:SCP= .0]
 00433# [Imperious area: Ialimp 1.57:SLPI= ..50:LGI= 228.:MMI=..013:SCI= .0]
 00434# [iaECImp= 1.50: IaRECPer= 6.00]
 00435# [SMMN= 41.38 :SMAX=275.84 :SK= ..030]
 00436# LID for Outlet W6 (24 catchbasins, 30 m long trench each)
 00437# Assumed 720 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
 00438# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
 00439# Total Volume provided by LID = 110 m³
 00440# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
 00441# ROUTE RESERVOIR-> 5.0 01:W6 7.81 .580 1968.0817_ 5:00 346.56 .585 .000
 00442# out <= 5.0 01:W6:LID 1.69 .001 1968.0202_ 3:20 346.56 .585 .000
 00443# overflow <= 5.0 01:W6:LID-Dut 1.69 .001 1968.0202_ 3:20 346.56 .585 .000
 00444# [MastCoLeds..1310E-01 m3, TotTurVol=.165, m3, N-Ovr= 114, ToTurOrf=.149, hrs= .000]
 00445# RO0681C00015-----Dtnin-ID:INHYD---ARAhA-QPEAKms-TpeakDate_hh:mm---RVMn=R.C.--DWFcms
 00446# CONTINUOUS STANDHY 5.0 01:W7 8.51 .309 1968.0817_ 5:00 346.56 .585 .000
 00447# ADD RVD 8.51 .309 1968.0817_ 5:00 346.56 .585 .000
 00448# [LOCN= 2 CN=71.0] 8.51 .309 1968.0817_ 5:00 346.56 .585 .000
 00449# [Previous area: Iapres 4.67:SLPP=2.00:LGF= 40.:MNP=..250:SCP= .0]
 00450# [Imperious area: Ialimp 1.57:SLPI= ..50:LGI= 228.:MMI=..013:SCI= .0]
 00451# [iaECImp= 1.50: IaRECPer= 6.00]
 00452# [SMMN= 41.38 :SMAX=275.84 :SK= ..030]
 00453# LID for Outlet W7 (16 catchbasins, 30 m long trench each)
 00454# Assumed 840 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
 00455# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
 00456# Total Volume provided by LID = 110 m³
 00457# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
 00458# ROUTE RESERVOIR-> 5.0 01:W7 8.51 .309 1968.0817_ 5:00 346.56 .585 .000
 00459# out <= 5.0 01:W7:LID 1.69 .001 1968.0202_ 3:20 346.56 .585 .000
 00460# overflow <= 5.0 01:W7:LID-Dut 1.69 .001 1968.0202_ 3:20 346.56 .585 .000
 00461# [MastCoLeds..1310E-01 m3, TotTurVol=.165, m3, N-Ovr= 114, ToTurOrf=.149, hrs= .000]
 00462# RO0681C00016-----Dtnin-ID:INHYD---ARAhA-QPEAKms-TpeakDate_hh:mm---RVMn=R.C.--DWFcms
 00463# CONTINUOUS STANDHY 5.0 01:W8 7.81 .309 1968.0817_ 5:00 346.56 .585 .000
 00464# ADD RVD 7.81 .309 1968.0817_ 5:00 346.56 .585 .000
 00465# [LOCN= 2 CN=71.0] 7.81 .309 1968.0817_ 5:00 346.56 .585 .000
 00466# [Previous area: Iapres 4.67:SLPP=2.00:LGF= 40.:MNP=..250:SCP= .0]
 00467# [Imperious area: Ialimp 1.57:SLPI= ..50:LGI= 228.:MMI=..013:SCI= .0]
 00468# [iaECImp= 1.50: IaRECPer= 6.00]
 00469# [SMMN= 41.38 :SMAX=275.84 :SK= ..030]
 00470# LID for Outlet W8 (16 catchbasins, 30 m long trench each)
 00471# Assumed 840 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
 00472# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
 00473# Total Volume provided by LID = 110 m³
 00474# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
 00475# ROUTE RESERVOIR-> 5.0 01:W8 7.81 .309 1968.0817_ 5:00 346.56 .585 .000
 00476# out <= 5.0 01:W8:LID 1.69 .001 1968.0202_ 3:20 346.56 .585 .000
 00477# overflow <= 5.0 01:W8:LID-Dut 1.69 .001 1968.0202_ 3:20 346.56 .585 .000
 00478# [MastCoLeds..1310E-01 m3, TotTurVol=.165, m3, N-Ovr= 114, ToTurOrf=.149, hrs= .000]
 00479# RO0681C00017-----Dtnin-ID:INHYD---ARAhA-QPEAKms-TpeakDate_hh:mm---RVMn=R.C.--DWFcms
 00480# CONTINUOUS STANDHY 5.0 01:W9 8.51 .309 1968.0817_ 5:00 346.56 .585 .000
 00481# ADD RVD 8.51 .309 1968.0817_ 5:00 346.56 .585 .000
 00482# [LOCN= 2 CN=100.0] 8.51 .309 1968.0817_ 5:00 346.56 .585 .000
 00483# [Previous area: Iapres 4.67:SLPP=2.00:LGF= 40.:MNP=..250:SCP= .0]
 00484# [Imperious area: Ialimp 1.57:SLPI= ..50:LGI= 238.:MMI=..013:SCI= .0]
 00485# [iaECImp= 1.50: IaRECPer= 6.00]
 00486# [SMMN= 41.38 :SMAX=275.84 :SK= ..030]
 00487# LID for Outlet W9 (24 catchbasins, 30 m long trench each)
 00488# Assumed 840 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
 00489# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
 00490# Total Volume provided by LID = 110 m³
 00491# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
 00492# ROUTE RESERVOIR-> 5.0 01:W9 8.51 .309 1968.0817_ 5:00 346.56 .585 .000
 00493# out <= 5.0 01:W9:LID 1.69 .001 1968.0202_ 3:20 346.56 .585 .000
 00494# overflow <= 5.0 01:W9:LID-Dut 1.69 .001 1968.0202_ 3:20 346.56 .585 .000
 00495# [MastCoLeds..1310E-01 m3, TotTurVol=.165, m3, N-Ovr= 114, ToTurOrf=.149, hrs= .000]
 00496# RO0681C00021-----Dtnin-ID:INHYD---ARAhA-QPEAKms-TpeakDate_hh:mm---RVMn=R.C.--DWFcms
 00497# CONTINUOUS STANDHY 5.0 01:W10 10.11 .862 1968.0817_ 5:00 372.28 .628 .000
 00498# ADD RVD 10.11 .862 1968.0817_ 5:00 372.28 .628 .000
 00499# [LOCN= 2 CN=100.0] 10.11 .862 1968.0817_ 5:00 372.28 .628 .000
 00500# [Previous area: Iapres 4.67:SLPP=2.00:LGF= 40.:MNP=..250:SCP= .0]
 00501# [Imperious area: Ialimp 1.57:SLPI= ..50:LGI= 238.:MMI=..013:SCI= .0]
 00502# [iaECImp= 1.50: IaRECPer= 6.00]
 00503# [SMMN= 41.38 :SMAX=275.84 :SK= ..030]
 00504# LID for Outlet W10 (24 catchbasins, 30 m long trench each)
 00505# Assumed 840 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
 00506# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
 00507# Total Volume provided by LID = 110 m³
 00508# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
 00509# ROUTE RESERVOIR-> 5.0 01:W10 10.11 .862 1968.0817_ 5:00 372.28 .628 .000
 00510# out <= 5.0 01:W10:LID 1.69 .001 1968.0202_ 3:20 372.28 .628 .000
 00511# overflow <= 5.0 01:W10:LID-Dut 1.69 .001 1968.0202_ 3:20 372.28 .628 .000
 00512# [MastCoLeds..1310E-01 m3, TotTurVol=.165, m3, N-Ovr= 114, ToTurOrf=.149, hrs= .000]
 00513# RO0681C00023-----Dtnin-ID:INHYD---ARAhA-QPEAKms-TpeakDate_hh:mm---RVMn=R.C.--DWFcms
 00514# CONTINUOUS STANDHY 5.0 01:W11 8.51 .693 1968.0817_ 5:00 399.98 .675 .000
 00515# ADD RVD 8.51 .693 1968.0817_ 5:00 399.98 .675 .000
 00516# [LOCN= 2 CN=100.0] 8.51 .693 1968.0817_ 5:00 399.98 .675 .000
 00517# [Previous area: Iapres 4.67:SLPP=2.00:LGF= 40.:MNP=..250:SCP= .0]
 00518# [Imperious area: Ialimp 1.57:SLPI= ..50:LGI= 238.:MMI=..013:SCI= .0]
 00519# [iaECImp= 1.50: IaRECPer= 6.00]
 00520# [SMMN= 41.38 :SMAX=275.84 :SK= ..030]
 00521# LID for Outlet W11 (24 catchbasins, 30 m long trench each)
 00522# Assumed 840 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
 00523# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
 00524# Total Volume provided by LID = 110 m³
 00525# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
 00526# ROUTE RESERVOIR-> 5.0 01:W11 8.51 .693 1968.0817_ 5:00 399.98 .675 .000
 00527# out <= 5.0 01:W11:LID 1.69 .001 1968.0202_ 3:20 399.98 .675 .000
 00528# overflow <= 5.0 01:W11:LID-Dut 1.69 .001 1968.0202_ 3:20 399.98 .675 .000
 00529# [MastCoLeds..1310E-01 m3, TotTurVol=.165, m3, N-Ovr= 114, ToTurOrf=.149, hrs= .000]
 00530# RO0681C00024-----Dtnin-ID:INHYD---ARAhA-QPEAKms-TpeakDate_hh:mm---RVMn=R.C.--DWFcms
 00531# CONTINUOUS STANDHY 5.0 01:W12 8.51 .693 1968.0817_ 5:00 399.98 .675 .000
 00532# ADD RVD 8.51 .693 1968.0817_ 5:00 399.98 .675 .000
 00533# [LOCN= 2 CN=100.0] 8.51 .693 1968.0817_ 5:00 399.98 .675 .000
 00534# [Previous area: Iapres 4.67:SLPP=2.00:LGF= 40.:MNP=..250:SCP= .0]
 00535# [Imperious area: Ialimp 1.57:SLPI= ..50:LGI= 238.:MMI=..013:SCI= .0]
 00536# [iaECImp= 1.50: IaRECPer= 6.00]
 00537# [SMMN= 41.38 :SMAX=275.84 :SK= ..030]
 00538# LID for Outlet W12 (24 catchbasins, 30 m long trench each)
 00539# Assumed 840 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
 00540# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
 00541# Total Volume provided by LID = 110 m³
 00542# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
 00543# ROUTE RESERVOIR-> 5.0 01:W12 8.51 .693 1968.0817_ 5:00 399.98 .675 .000
 00544# out <= 5.0 01:W12:LID 1.69 .001 1968.0202_ 3:20 399.98 .675 .000
 00545# overflow <= 5.0 01:W12:LID-Dut 1.69 .001 1968.0202_ 3:20 399.98 .675 .000
 00546# [MastCoLeds..1310E-01 m3, TotTurVol=.165, m3, N-Ovr= 114, ToTurOrf=.149, hrs= .000]
 00547# RO0681C00025-----Dtnin-ID:INHYD---ARAhA-QPEAKms-TpeakDate_hh:mm---RVMn=R.C.--DWFcms
 00548# CONTINUOUS STANDHY 5.0 01:W13 8.51 .693 1968.0817_ 5:00 399.98 .675 .000
 00549# ADD RVD 8.51 .693 1968.0817_ 5:00 399.98 .675 .000
 00550# [LOCN= 2 CN=100.0] 8.51 .693 1968.0817_ 5:00 399.98 .675 .000
 00551# [Previous area: Iapres 4.67:SLPP=2.00:LGF= 40.:MNP=..250:SCP= .0]
 00552# [Imperious area: Ialimp 1.57:SLPI= ..50:LGI= 238.:MMI=..013:SCI= .0]
 00553# [iaECImp= 1.50: IaRECPer= 6.00]
 00554# [SMMN= 41.38 :SMAX=275.84 :SK= ..030]
 00555# LID for Outlet W13 (24 catchbasins, 30 m long trench each)
 00556# Assumed 840 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
 00557# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
 00558# Total Volume provided by LID = 110 m³
 00559# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
 00560# ROUTE RESERVOIR-> 5.0 01:W13 8.51 .693 1968.0817_ 5:00 399.98 .675 .000
 00561# out <= 5.0 01:W13:LID 1.69 .001 1968.0202_ 3:20 399.98 .675 .000
 00562# overflow <= 5.0 01:W13:LID-Dut 1.69 .001 1968.0202_ 3:20 399.98 .675 .000
 00563# [MastCoLeds..1310E-01 m3, TotTurVol=.165, m3, N-Ovr= 114, ToTurOrf=.149, hrs= .000]
 00564# RO0681C00026-----Dtnin-ID:INHYD---ARAhA-QPEAKms-TpeakDate_hh:mm---RVMn=R.C.--DWFcms
 00565# CONTINUOUS STANDHY 5.0 01:W14 8.51 .693 1968.0817_ 5:00 399.98 .675 .000
 00566# ADD RVD 8.51 .693 1968.0817_ 5:00 399.98 .675 .000
 00567# [LOCN= 2 CN=100.0] 8.51 .693 1968.0817_ 5:00 399.98 .675 .000
 00568# [Previous area: Iapres 4.67:SLPP=2.00:LGF= 40.:MNP=..250:SCP= .0]
 00569# [Imperious area: Ialimp 1.57:SLPI= ..50:LGI= 238.:MMI=..013:SCI= .0]
 00570# [iaECImp= 1.50: IaRECPer= 6.00]
 00571# [SMMN= 41.38 :SMAX=275.84 :SK= ..030]
 00572# LID for Outlet W14 (24 catchbasins, 30 m long trench each)
 00573# Assumed 840 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
 00574# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
 00575# Total Volume provided by LID = 110 m³
 00576# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
 00577# ROUTE RESERVOIR-> 5.0 01:W14 8.51 .693 1968.0817_ 5:00 399.98 .675 .000
 00578# out <= 5.0 01:W14:LID 1.69 .001 1968.0202_ 3:20 399.98 .675 .000
 00579# overflow <= 5.0 01:W14:LID-Dut 1.69 .001 1968.0202_ 3:20 399.98 .675 .000
 00580# [MastCoLeds..1310E-01 m3, TotTurVol=.165, m3, N-Ovr= 114, ToTurOrf=.149, hrs= .000]
 00581# RO0681C00027-----Dtnin-ID:INHYD---ARAhA-QPEAKms-TpeakDate_hh:mm---RVMn=R.C.--DWFcms
 00582# CONTINUOUS STANDHY 5.0 01:W15 8.51 .693 1968.0817_ 5:00 399.98 .675 .000
 00583# ADD RVD 8.51 .693 1968.081

00721: [SMIN= 1.39; SMAX= 9.24; SK=.000] -----ARAhA-QPEAKms-TpeakDate_hh:mm:---RVmm-R.C.---DWFcms
00722: R069:CD0021-----Dmin-ID:NYDY- 5.0 01:INF-84 10.11 .599 1969.0818_22:00 343.93 .603 .000
00723: CONTINUOUS STANDHY 5.0 01:INF-84 .000
00724: [XIMP= .55;TIME=.70] -----ARAhA-QPEAKms-TpeakDate_hh:mm:---RVmm-R.C.---DWFcms
00725: [LOSS= 2 ; C/N=100.0] -----ARAhA-QPEAKms-TpeakDate_hh:mm:---RVmm-R.C.---DWFcms
00726: [Previous area: IApres: 4.67;SLPP=2.00:LGF= 40.;MNP=250:SCP= .0] -----ARAhA-QPEAKms-TpeakDate_hh:mm:---RVmm-R.C.---DWFcms
00727: [Impervious area: IAlmp= 1.57;SLZP= .50:LGI= 260.;MMI=.013:SCI= .0] -----ARAhA-QPEAKms-TpeakDate_hh:mm:---RVmm-R.C.---DWFcms
00728: [iAEComp= 1.50; iARECpre= 6.00] -----ARAhA-QPEAKms-TpeakDate_hh:mm:---RVmm-R.C.---DWFcms
00729: [SMIN= 1.39; SMAX= 9.24; SK=.000] -----ARAhA-QPEAKms-TpeakDate_hh:mm:---RVmm-R.C.---DWFcms
00730: R069:CD0022-----Dmin-ID:NYDY- 5.0 01:INF-84 1.81 .443 1969.0818_22:00 365.49 .646 .000
00731: [XIMP= .55;TIME=.81] -----ARAhA-QPEAKms-TpeakDate_hh:mm:---RVmm-R.C.---DWFcms
00732: CONTINUOUS STANDHY 5.0 01:INF-85 6.20 .343 1969.0818_22:00 337.04 .591 .000
00733: [LOSS= 2 ; C/N=100.0] -----ARAhA-QPEAKms-TpeakDate_hh:mm:---RVmm-R.C.---DWFcms
00734: [Previous area: IApres: 4.67;SLPP=2.00:LGF= 40.;MNP=250:SCP= .0] -----ARAhA-QPEAKms-TpeakDate_hh:mm:---RVmm-R.C.---DWFcms
00735: [Impervious area: IAlmp= 1.57;SLZP= .50:LGI= 203.;MMI=.013:SCI= .0] -----ARAhA-QPEAKms-TpeakDate_hh:mm:---RVmm-R.C.---DWFcms
00736: [iAEComp= 1.50; iARECpre= 6.00] -----ARAhA-QPEAKms-TpeakDate_hh:mm:---RVmm-R.C.---DWFcms
00737: [SMIN= 1.39; SMAX= 9.24; SK=.000] -----ARAhA-QPEAKms-TpeakDate_hh:mm:---RVmm-R.C.---DWFcms
00738: R069:CD0023-----Dmin-ID:NYDY- 5.0 01:INF-86 1.81 .443 1969.0818_22:00 365.49 .646 .000
00739: [XIMP= .55;TIME=.81] -----ARAhA-QPEAKms-TpeakDate_hh:mm:---RVmm-R.C.---DWFcms
00740: [LOSS= 2 ; C/N=100.0] -----ARAhA-QPEAKms-TpeakDate_hh:mm:---RVmm-R.C.---DWFcms
00741: [Previous area: IApres: 4.67;SLPP=2.00:LGF= 40.;MNP=250:SCP= .0] -----ARAhA-QPEAKms-TpeakDate_hh:mm:---RVmm-R.C.---DWFcms
00742: [Impervious area: IAlmp= 1.57;SLZP= .50:LGI= 228.;MMI=.013:SCI= .0] -----ARAhA-QPEAKms-TpeakDate_hh:mm:---RVmm-R.C.---DWFcms
00743: [iAEComp= 1.50; iARECpre= 6.00] -----ARAhA-QPEAKms-TpeakDate_hh:mm:---RVmm-R.C.---DWFcms
00744: [SMIN= 1.39; SMAX= 9.24; SK=.000] -----ARAhA-QPEAKms-TpeakDate_hh:mm:---RVmm-R.C.---DWFcms
00745: R069:CD0024-----Dmin-ID:NYDY- 5.0 01:INF-86 48.42 2.685 1969.0818_22:00 344.91 n/a .000
00746: ***** CONTINUOUS RAINFALL DATA *****
00747: ADD HYD
00748: 5.0 02:INF-86 5.76 .318 1969.0818_22:00 334.54 n/a .000
00749: + 5.0 02:INF-86 4.00 .318 1969.0818_22:00 334.54 n/a .000
00750: + 5.0 02:INF-86 3.00 .318 1969.0818_22:00 335.79 n/a .000
00751: + 5.0 02:INF-86 10.03 .561 1969.0818_22:00 343.93 n/a .000
00752: + 5.0 02:INF-86 10.11 .559 1969.0818_22:00 343.93 n/a .000
00753: + 5.0 02:INF-86 4.00 .318 1969.0818_22:00 336.49 n/a .000
00754: + 5.0 02:INF-86 7.81 .443 1969.0818_22:00 365.49 n/a .000
00755: SUM= 5.0 01:INF-BCD-PH 48.42 2.685 1969.0818_22:00 344.91 n/a .000
00756: ***** CONTINUOUS RAINFALL DATA *****
00757: ***** END OF RUN : 69 *****
00758: *****
00759: *****
00760: *****
00761: *****
00762: *****
00763: *****
00764: *****
00765: R070:COMMAND#
00766: R070:CD0001-----
00767: [TZERO = 0.00 hrs on 19700101]
00768: [METCOUT = 2 (Imperial, 2metric output)]
00769: [INSTR= 0]
00770: [INRUS = 070.0]
00771: *****
00772: *****
00773: *****
00774: *****
00775: *****
00776: *****
00777: *****
00778: *****
00779: *****
00780: *****
00781: *****
00782: *****
00783: *****
00784: *****
00785: *****
00786: *****
00787: *****
00788: *****
00789: *****
00790: *****
00791: *****
00792: *****
00793: 19700926 19700926 19700926 19700927 19700917 19700926 19700926 19709327
00794: Number of rainfall events per following interevent time
00795: 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
00796: 148 127 109 84 72 60 54 41 30
00797: Number of events with at least the following durations
00798: 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
00799: 17 10 0 0 0 0 0 0 0 0
00800: R070:CD0003-----
00801: COMPUTE API
00802: [APILink= 50.00; APIkdt= .9956] -----APIkdt= .9956
00803: [APImax= 76.00; APIavg= 15.84; APImin= .07] -----APImax= 76.00
00804: *****
00805: *****
00806: *****
00807: *****
00808: *****
00809: *****
00810: *****
00811: *****
00812: *****
00813: *****
00814: *****
00815: *****
00816: # LID for Outlet W6 (14 catchbasins, 30 m long trench)
00817: # Assumed 420 m long trench 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
00818: # Soil infiltration rates assumed at 8mm/hr with a safety factor of 2.5
00819: R070:CD0005-----Dmin-ID:NYDY- -----ARAhA-QPEAKms-TpeakDate_hh:mm:---RVmm-R.C.---DWFcms
00820: ROUTE RESERVOIR > 5.0 01:INF-86 5.76 .398 1970.0818_22:00 254.24 .455 .000
00821: overflow < 5.0 01:INF-86 1.46 .398 1970.0818_22:00 254.25 n/a .000
00822: overflow < 5.0 03:INF-LID-Out 4.36 .386 1970.0818_22:00 254.24 n/a .000
00823: [MgStCoSed=.1390E-01 m3, TotCorVol=.1490E-01 m3, N-Ovr=.96, TotDrvOrf=.137 hrs] -----ARAhA-QPEAKms-TpeakDate_hh:mm:---RVmm-R.C.---DWFcms
00824: CONTINUOUS STANDHY 5.0 01:INF-86 8.51 .550 1970.0818_22:00 234.94 .420 .000
00825: [XIMP= .55;TIME=.66] -----ARAhA-QPEAKms-TpeakDate_hh:mm:---RVmm-R.C.---DWFcms
00826: [Previous area: IApres: 4.67;SLPP=2.00:LGF= 40.;MNP=250:SCP= .0] -----ARAhA-QPEAKms-TpeakDate_hh:mm:---RVmm-R.C.---DWFcms
00827: [Impervious area: IAlmp= 1.57;SLZP= .50:LGI= 238.;MMI=.013:SCI= .0] -----ARAhA-QPEAKms-TpeakDate_hh:mm:---RVmm-R.C.---DWFcms
00828: [iAEComp= 1.50; iARECpre= 6.00] -----ARAhA-QPEAKms-TpeakDate_hh:mm:---RVmm-R.C.---DWFcms
00829: [SMIN= 41.38; SMAX= 275.84; SK=.030] -----ARAhA-QPEAKms-TpeakDate_hh:mm:---RVmm-R.C.---DWFcms
00830: # LID for Outlet W6 (14 catchbasins, 30 m long trench)
00831: # Assumed 420 m long trench 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
00832: # Total Volume provided by LID = 131 m³
00833: # Soil infiltration rates assumed at 8mm/hr with a safety factor of 2.5
00834: R070:CD0005-----Dmin-ID:NYDY- -----ARAhA-QPEAKms-TpeakDate_hh:mm:---RVmm-R.C.---DWFcms
00835: ROUTE RESERVOIR > 5.0 01:INF-86 8.51 .550 1970.0818_22:00 234.94 n/a .000
00836: overflow < 5.0 01:INF-86 2.17 .001 1970.0818_22:00 234.94 n/a .000
00837: overflow < 5.0 01:INF-86 2.17 .001 1970.0818_22:00 234.94 n/a .000
00838: overflow < 5.0 01:INF-86 2.17 .001 1970.0818_22:00 234.94 n/a .000
00839: overflow < 5.0 01:INF-86 2.17 .001 1970.0818_22:00 234.94 n/a .000
00840: [MgStCoSed=.1390E-01 m3, TotCorVol=.1490E-01 m3, N-Ovr=.96, TotDrvOrf=.137 hrs] -----ARAhA-QPEAKms-TpeakDate_hh:mm:---RVmm-R.C.---DWFcms
00841: CONTINUOUS STANDHY 5.0 01:INF-86 10.01 .767 1970.0818_22:00 239.73 .526 .000
00842: [XIMP= .66;TIME=.76] -----ARAhA-QPEAKms-TpeakDate_hh:mm:---RVmm-R.C.---DWFcms
00843: [Previous area: IApres: 4.67;SLPP=2.00:LGF= 40.;MNP=250:SCP= .0] -----ARAhA-QPEAKms-TpeakDate_hh:mm:---RVmm-R.C.---DWFcms
00844: [Impervious area: IAlmp= 1.57;SLZP= .50:LGI= 259.;MMI=.013:SCI= .0] -----ARAhA-QPEAKms-TpeakDate_hh:mm:---RVmm-R.C.---DWFcms
00845: [iAEComp= 1.50; iARECpre= 6.00] -----ARAhA-QPEAKms-TpeakDate_hh:mm:---RVmm-R.C.---DWFcms
00846: [SMIN= 41.38; SMAX= 275.84; SK=.030] -----ARAhA-QPEAKms-TpeakDate_hh:mm:---RVmm-R.C.---DWFcms
00847: # LID for Outlet W6 (14 catchbasins, 30 m long trench)
00848: # Assumed 420 m long trench 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
00849: # Soil infiltration rates assumed at 8mm/hr with a safety factor of 2.5
00850: R070:CD0005-----Dmin-ID:NYDY- -----ARAhA-QPEAKms-TpeakDate_hh:mm:---RVmm-R.C.---DWFcms
00851: ROUTE RESERVOIR > 5.0 01:INF-86 10.01 .767 1970.0818_22:00 239.73 n/a .000
00852: overflow < 5.0 01:INF-86 1.46 .398 1970.0818_22:00 239.73 n/a .000
00853: overflow < 5.0 01:INF-86 1.46 .398 1970.0818_22:00 239.73 n/a .000
00854: overflow < 5.0 01:INF-86 1.46 .398 1970.0818_22:00 239.73 n/a .000
00855: overflow < 5.0 01:INF-86 1.46 .398 1970.0818_22:00 239.73 n/a .000
00856: overflow < 5.0 01:INF-86 1.46 .398 1970.0818_22:00 239.73 n/a .000
00857: overflow < 5.0 01:INF-86 1.46 .398 1970.0818_22:00 239.73 n/a .000
00858: overflow < 5.0 01:INF-86 1.46 .398 1970.0818_22:00 239.73 n/a .000
00859: overflow < 5.0 01:INF-86 1.46 .398 1970.0818_22:00 239.73 n/a .000
00860: overflow < 5.0 01:INF-86 1.46 .398 1970.0818_22:00 239.73 n/a .000
00861: overflow < 5.0 01:INF-86 1.46 .398 1970.0818_22:00 239.73 n/a .000
00862: overflow < 5.0 01:INF-86 1.46 .398 1970.0818_22:00 239.73 n/a .000
00863: overflow < 5.0 01:INF-86 1.46 .398 1970.0818_22:00 239.73 n/a .000
00864: overflow < 5.0 01:INF-86 1.46 .398 1970.0818_22:00 239.73 n/a .000
00865: overflow < 5.0 01:INF-86 1.46 .398 1970.0818_22:00 239.73 n/a .000
00866: overflow < 5.0 01:INF-86 1.46 .398 1970.0818_22:00 239.73 n/a .000
00867: overflow < 5.0 01:INF-86 1.46 .398 1970.0818_22:00 239.73 n/a .000
00868: overflow < 5.0 01:INF-86 1.46 .398 1970.0818_22:00 239.73 n/a .000
00869: overflow < 5.0 01:INF-86 1.46 .398 1970.0818_22:00 239.73 n/a .000
00870: overflow < 5.0 01:INF-86 1.46 .398 1970.0818_22:00 239.73 n/a .000
00871: overflow < 5.0 01:INF-86 1.46 .398 1970.0818_22:00 239.73 n/a .000
00872: overflow < 5.0 01:INF-86 1.46 .398 1970.0818_22:00 239.73 n/a .000
00873: overflow < 5.0 01:INF-86 1.46 .398 1970.0818_22:00 239.73 n/a .000
00874: overflow < 5.0 01:INF-86 1.46 .398 1970.0818_22:00 239.73 n/a .000
00875: overflow < 5.0 01:INF-86 1.46 .398 1970.0818_22:00 239.73 n/a .000
00876: overflow < 5.0 01:INF-86 1.46 .398 1970.0818_22:00 239.73 n/a .000
00877: overflow < 5.0 01:INF-86 1.46 .398 1970.0818_22:00 239.73 n/a .000
00878: overflow < 5.0 01:INF-86 1.46 .398 1970.0818_22:00 239.73 n/a .000
00879: overflow < 5.0 01:INF-86 1.46 .398 1970.0818_22:00 239.73 n/a .000
00880: overflow < 5.0 01:INF-86 1.46 .398 1970.0818_22:00 239.73 n/a .000
00881: overflow < 5.0 01:INF-86 1.46 .398 1970.0818_22:00 239.73 n/a .000
00882: overflow < 5.0 01:INF-86 1.46 .398 1970.0818_22:00 239.73 n/a .000
00883: overflow < 5.0 01:INF-86 1.46 .398 1970.0818_22:00 239.73 n/a .000
00884: overflow < 5.0 01:INF-86 1.46 .398 1970.0818_22:00 239.73 n/a .000
00885: overflow < 5.0 01:INF-86 1.46 .398 1970.0818_22:00 239.73 n/a .000
00886: overflow < 5.0 01:INF-86 1.46 .398 1970.0818_22:00 239.73 n/a .000
00887: overflow < 5.0 01:INF-86 1.46 .398 1970.0818_22:00 239.73 n/a .000
00888: overflow < 5.0 01:INF-86 1.46 .398 1970.0818_22:00 239.73 n/a .000
00889: overflow < 5.0 01:INF-86 1.46 .398 1970.0818_22:00 239.73 n/a .000
00890: overflow < 5.0 01:INF-86 1.46 .398 1970.0818_22:00 239.73 n/a .000
00891: overflow < 5.0 01:INF-86 1.46 .398 1970.0818_22:00 239.73 n/a .000
00892: overflow < 5.0 01:INF-86 1.46 .398 1970.0818_22:00 239.73 n/a .000
00893: overflow < 5.0 01:INF-86 1.46 .398 1970.0818_22:00 239.73 n/a .000
00894: overflow < 5.0 01:INF-86 1.46 .398 1970.0818_22:00 239.73 n/a .000
00895: overflow < 5.0 01:INF-86 1.46 .398 1970.0818_22:00 239.73 n/a .000
00896: overflow < 5.0 01:INF-86 1.46 .398 1970.0818_22:00 239.73 n/a .000
00897: overflow < 5.0 01:INF-86 1.46 .398 1970.0818_22:00 239.73 n/a .000
00898: overflow < 5.0 01:INF-86 1.46 .398 1970.0818_22:00 239.73 n/a .000
00899: overflow < 5.0 01:INF-86 1.46 .398 1970.0818_22:00 239.73 n/a .000
00900: overflow < 5.0 01:INF-86 1.46 .398 1970.0818_22:00 239.73 n/a .000
00901: # Assumed 720 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
00902: # Total Volume provided by LID = 16 m³
00903: # Soil infiltration rates assumed at 8mm/hr with a safety factor of 2.5
00904: R070:CD0015-----Dmin-ID:NYDY- -----ARAhA-QPEAKms-TpeakDate_hh:mm:---RVmm-R.C.---DWFcms
00905: ROUTE RESERVOIR > 5.0 02:INF-86 7.81 .642 1970.0818_22:00 234.94 n/a .000
00906: overflow < 5.0 02:INF-86 1.46 .398 1970.0818_22:00 234.94 n/a .000
00907: overflow < 5.0 02:INF-86 1.46 .398 1970.0818_22:00 234.94 n/a .000
00908: overflow < 5.0 02:INF-86 1.46 .398 1970.0818_22:00 234.94 n/a .000
00909: overflow < 5.0 02:INF-86 1.46 .398 1970.0818_22:00 234.94 n/a .000
00910: overflow < 5.0 02:INF-86 1.46 .398 1970.0818_22:00 234.94 n/a .000
00911: overflow < 5.0 02:INF-86 1.46 .398 1970.0818_22:00 234.94 n/a .000
00912: overflow < 5.0 02:INF-86 1.46 .398 1970.0818_22:00 234.94 n/a .000
00913: overflow < 5.0 02:INF-86 1.46 .398 1970.0818_22:00 234.94 n/a .000
00914: overflow < 5.0 02:INF-86 1.46 .398 1970.0818_22:00 234.94 n/a .000
00915: overflow < 5.0 02:INF-86 1.46 .398 1970.0818_22:00 234.94 n/a .000
00916: overflow < 5.0 02:INF-86 1.46 .398 1970.0818_22:00 234.94 n/a .000
00917: overflow < 5.0 02:INF-86 1.46 .398 1970.0818_22:00 234.94 n/a .000
00918: overflow < 5.0 02:INF-86 1.46 .398 1970.0818_22:00 234.94 n/a .000
00919: overflow < 5.0 02:INF-86 1.46 .398 1970.0818_22:00 234.94 n/a .000
00920: overflow < 5.0 02:INF-86 1.46 .398 1970.0818_22:00 234.94 n/a .000
00921: Maximum average rainfall intensities over
00922: 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
00923: 24.60 25.00 25.50 26.00 26.50 27.00 27.50 28.00 28.50
00924: 24.60 33.20 35.00 35.80 36.60 37.40 38.00 38.60 38.90
00925: 19701010 19701011 19701012 19701013 19701014 19701015 19701016 19701017 19701018
00926: 19701019 19701020 19701021 19701022 19701023 19701024 19701025 19701026 19701027
00927: Number of rainfall events per following interevent time
00928: 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
00929: 123 118 111 93 72 61 52 42 33
00930: Number of events with at least the following durations
00931: 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
00932: 15 81 59 21 2 0 0 0 0
00933: R070:CD0001-----
00934: COMPUTE API
00935: [APIfin= 50.00; APIfin=.00; APIfin=.9956] -----APIfin= .9956
00936: [APIfin=.00; APIfin=.22; APIfin=.14; APIfin=.36] -----APIfin=.36
00937: *****
00938: *****
00939: R070:CD0004-----Dmin-ID:NYDY- -----ARAhA-QPEAKms-TpeakDate_hh:mm:---RVmm-R.C.---DWFcms
00940: CONTINUOUS STANDHY 5.0 01:INF-86 5.76 .248 1971.0810_15:00 225.61 .432 .000
00941: ROUTE RESERVOIR > 5.0 02:INF-86 7.81 .642 1971.0810_15:00 225.61 n/a .000
00942: overflow < 5.0 02:INF-86 1.46 .398 1971.0810_15:00 225.61 n/a .000
00943: [Previous area: IApres: 4.67;SLPP=2.00:LGF= 40.;MNP=250:SCP= .0] -----ARAhA-QPEAKms-TpeakDate_hh:mm:---RVmm-R.C.---DWFcms
00944: [Impervious area: IAlmp= 1.57;SLZP= .50:LGI= 196.;MMI=.013:SCI= .0] -----ARAhA-QPEAKms-TpeakDate_hh:mm:---RVmm-R.C.---DWFcms
00945: [iAEComp= 1.50; iARECpre= 6.00] -----ARAhA-QPEAKms-TpeakDate_hh:mm:---RVmm-R.C.---DWFcms
00946: [SMIN= 41.38; SMAX= 275.84; SK=.030] -----ARAhA-QPEAKms-TpeakDate_hh:mm:---RVmm-R.C.---DWFcms
00947: # LID for Outlet W6 (19 catchbasins, 30 m long trench)
00948: # Assumed 480 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
00949: # Soil infiltration rates assumed at 8mm/hr with a safety factor of 2.5
00950: R070:CD0011-----
00951: ROUTE RESERVOIR > 5.0 02:INF-86 6.20 .432 1970.0818_22:00 260.57 n/a .000
00952: overflow < 5.0 02:INF-86 1.46 .398 1970.0818_22:00 260.57 n/a .000
00953: overflow < 5.0 02:INF-86 1.46 .398 1970.0818_22:00 260.57 n/a .000
00954: overflow < 5.0 02:INF-86 1.46 .398 1970.0818_22:00 260.57 n/a .000
00955: overflow < 5.0 02:INF-86 1.46 .398 1970.0818_22:00 260.57 n/a .000
00956: overflow < 5.0 02:INF-86 1.46 .398 1970.0818_22:00 260.57 n/a .000
00957: overflow < 5.0 02:INF-86 1.46 .398 1970.0818_22:00 260.57 n/a .000
00958: overflow < 5.0 02:INF-86 1.46 .398 1970.0818_22:00 260.57 n/a .000
00959: overflow < 5.0 02:INF-86 1.46 .398 1970.0818_22:00 260.57 n/a .000
00960: overflow < 5.0 02:INF-86 1.46 .398 1970.0818_22:00 260.57 n/a .000
00961: overflow < 5.0 02:INF-86 1.46 .398 1970.0818_22:00 260.57 n/a .000
00962: overflow < 5.0 02:INF-86 1.46 .398 1970.0818_22:00 260.57 n/a .000
00963: overflow < 5

01801# overflow <= 5.0 03:W4-LID-Out 6.69 .356 1974.0719_0:00 171.22 n/a .000
01802# [MGS:01eeds..1145e01 m3, TotVolVols..1145e01 m3, N_Ovflr= 98 hrs] .000
01803# RO741c00012-----Dtn-ID:INHYD-----AREAh-QPEAKms-TpeakData_hh:mm:--Rvn-R.C.--DWFcms
01804# CONTINUOUS STANDHY 5.0 01:W1 6.29 .212 1974.0719_0:00 163.80 .424 .000
01805# [XIME= 57:TIME= .67]
01806# *****END OF RUN : 14*****
01807# [Previous area: Iapres 4.67:SLPP=2.00:LGF= 40.:MNP=..250:SCP= .0]
01808# [Impervious area: Ialimp 1.57:SLDE= .50:LGI= 203.:MMI=..013:SCI= .0]
01809# [SMM= 41.38: SMAX=275.84: SK= ..030]
01810# [SMIN= 41.38: SMAX=275.84: SK= ..030]
01811# # Lid for Outlet W3 (6 catchbasins, 30 m long trench each)
01812# # Assumed 840 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
01813# # Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
01814# # Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
01815# RO741c00013-----Dtn-ID:INHYD-----AREAh-QPEAKms-TpeakData_hh:mm:--Rvn-R.C.--DWFcms
01816# CONTINUOUS STANDHY 5.0 01:W1 7.81 .327 1974.0719_0:00 198.65 .514 .000
01817# [XIME= 66:TIME= .76]
01818# [Previous area: Iapres 4.67:SLPP=2.00:LGF= 40.:MNP=..250:SCP= .0]
01819# [Impervious area: Ialimp 1.57:SLDE= .50:LGI= 228.:MMI=..013:SCI= .0]
01820# [SMM= 41.38: SMAX=275.84: SK= ..030]
01821# [SMIN= 41.38: SMAX=275.84: SK= ..030]
01822# *****END OF RUN : 14*****
01823# [Loss= 2 :CNW= 71.0]
01824# [Previous area: Iapres 4.67:SLPP=2.00:LGF= 40.:MNP=..250:SCP= .0]
01825# [Impervious area: Ialimp 1.57:SLDE= .50:LGI= 228.:MMI=..013:SCI= .0]
01826# [iREClipm 1.50: iREClipr= 6.00]
01827# [SMIN= 41.38: SMAX=275.84: SK= ..030]
01828# # Lid for Outlet W3 (6 catchbasins, 30 m long trench each)
01829# # Assumed 840 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
01830# Total Volume provided by Lid = 165 m³
01831# # Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
01832# RO741c00015-----Dtn-ID:INHYD-----AREAh-QPEAKms-TpeakData_hh:mm:--Rvn-R.C.--DWFcms
01833# ROUTE RESERVOIR > 5.0 02:WME 7.81 .327 1974.0719_0:00 198.65 n/a .000
01834# [XIME= 66:TIME= .76]
01835# overflow <= 5.0 03:W4-LID-Out 2.41 .209 1974.0719_0:00 163.80 n/a .000
01836# [MGS:01eeds..1145e01 m3, TotVolVols..1145e01 m3, N_Ovflr= 98 hrs] .000
01837# RO741c00014-----Dtn-ID:INHYD-----AREAh-QPEAKms-TpeakData_hh:mm:--Rvn-R.C.--DWFcms
01838# CONTINUOUS STANDHY 5.0 01:W1 7.81 .327 1974.0719_0:00 198.65 .514 .000
01839# [XIME= 66:TIME= .76]
01840# [Loss= 2 :CNW= 71.0]
01841# [Previous area: Iapres 4.67:SLPP=2.00:LGF= 40.:MNP=..250:SCP= .0]
01842# [Impervious area: Ialimp 1.57:SLDE= .50:LGI= 228.:MMI=..013:SCI= .0]
01843# [iREClipm 1.50: iREClipr= 6.00]
01844# [SMIN= 41.38: SMAX=275.84: SK= ..030]
01845# RO741c00017-----Dtn-ID:INHYD-----AREAh-QPEAKms-TpeakData_hh:mm:--Rvn-R.C.--DWFcms
01846# ADD HYD 5.0 02:W1-LID-Out 3.81 .189 1974.0719_0:00 159.37 n/a .000
01847# [XIME= 57:TIME= .67]
01848# + 5.0 02:W2 8.51 .257 1974.0719_0:00 144.54 n/a .000
01849# + 5.0 02:W3 10.03 .391 1974.0719_0:00 186.12 n/a .000
01850# + 5.0 02:W4 10.31 .391 1974.0719_0:00 186.12 n/a .000
01851# + 5.0 02:W5 6.20 .212 1974.0719_0:00 163.80 n/a .000
01852# + 5.0 02:W6 5.18 .324 1974.0719_0:00 198.65 n/a .000
01853# SUM= 5.0 01:B2D-PH-L1 32.28 7.17 1974.0719_0:00 171.98 n/a .000
01854# [XIME= 66:TIME= .76]
01855# Barrhaven Conservancy Development Phase 3 (WITHOUT INFILTRATION) - POST DEVELOPMENT CONDITIONS
01856# *****END OF RUN : 14*****
01857# Set Infiltration to 0 (CN = 99.99) for water balance analysis
01858# RO741c00018-----Dtn-ID:INHYD-----AREAh-QPEAKms-TpeakData_hh:mm:--Rvn-R.C.--DWFcms
01859# CONTINUOUS STANDHY 5.0 01:INF= 6.0 279 1974.0719_0:00 202.28 .524 .000
01860# [XIME= 57:TIME= .66]
01861# [Loss= 2 :CNW=10.0]
01862# [Previous area: Iapres 4.67:SLPP=2.00:LGF= 40.:MNP=..250:SCP= .0]
01863# [Impervious area: Ialimp 1.57:SLDE= .50:LGI= 196.:MMI=..013:SCI= .0]
01864# [iREClipm 1.50: iREClipr= 6.00]
01865# [SMIN= 41.38: SMAX= 9.24: SK= ..000]
01866# RO741c00019-----Dtn-ID:INHYD-----AREAh-QPEAKms-TpeakData_hh:mm:--Rvn-R.C.--DWFcms
01867# CONTINUOUS STANDHY 5.0 01:INF= 6.51 .385 1974.0719_0:00 192.00 .497 .000
01868# [XIME= 50:TIME= .60]
01869# [Loss= 2 :CNW= 10.0]
01870# [Previous area: Iapres 4.67:SLPP=2.00:LGF= 40.:MNP=..250:SCP= .0]
01871# [Impervious area: Ialimp 1.57:SLDE= .50:LGI= 238.:MMI=..013:SCI= .0]
01872# [SMM= 1.39: SMAX= 9.24: SK= ..000]
01873# RO741c00020-----Dtn-ID:INHYD-----AREAh-QPEAKms-TpeakData_hh:mm:--Rvn-R.C.--DWFcms
01874# CONTINUOUS STANDHY 5.0 01:INF= 3.0 10.03 .498 1974.0719_0:00 220.24 .570 .000
01875# [XIME= 66:TIME= .76]
01876# [Loss= 2 :CNW=10.0]
01877# [Previous area: Iapres 4.67:SLPP=2.00:LGF= 40.:MNP=..250:SCP= .0]
01878# [Impervious area: Ialimp 1.57:SLDE= .50:LGI= 239.:MMI=..013:SCI= .0]
01879# [iREClipm 1.50: iREClipr= 6.00]
01880# [SMIN= 1.39: SMAX= 9.24: SK= ..000]
01881# RO741c00021-----Dtn-ID:INHYD-----AREAh-QPEAKms-TpeakData_hh:mm:--Rvn-R.C.--DWFcms
01882# CONTINUOUS STANDHY 5.0 01:INF= 4.0 10.11 .485 1974.0719_0:00 209.58 .543 .000
01883# [XIME= 60:TIME= .60]
01884# [Loss= 2 :CNW= 10.0]
01885# [Previous area: Iapres 4.67:SLPP=2.00:LGF= 40.:MNP=..250:SCP= .0]
01886# [Impervious area: Ialimp 1.57:SLDE= .50:LGI= 228.:MMI=..013:SCI= .0]
01887# [SMM= 1.39: SMAX= 9.24: SK= ..000]
01888# RO741c00022-----Dtn-ID:INHYD-----AREAh-QPEAKms-TpeakData_hh:mm:--Rvn-R.C.--DWFcms
01889# CONTINUOUS STANDHY 5.0 01:INF= 7.81 .406 1974.0719_0:00 229.31 .594 .000
01890# [XIME= 57:TIME= .67]
01891# [Loss= 2 :CNW= 10.0]
01892# [Previous area: Iapres 4.67:SLPP=2.00:LGF= 40.:MNP=..250:SCP= .0]
01893# [Impervious area: Ialimp 1.57:SLDE= .50:LGI= 228.:MMI=..013:SCI= .0]
01894# [iREClipm 1.50: iREClipr= 6.00]
01895# [SMIN= 1.39: SMAX= 9.24: SK= ..000]
01896# RO741c00023-----Dtn-ID:INHYD-----AREAh-QPEAKms-TpeakData_hh:mm:--Rvn-R.C.--DWFcms
01897# CONTINUOUS STANDHY 5.0 01:INF= 7.81 .406 1974.0719_0:00 229.31 .594 .000
01898# [XIME= 57:TIME= .67]
01899# [Loss= 2 :CNW= 10.0]
01900# [Previous area: Iapres 4.67:SLPP=2.00:LGF= 40.:MNP=..250:SCP= .0]
01901# [Impervious area: Ialimp 1.57:SLDE= .50:LGI= 228.:MMI=..013:SCI= .0]
01902# [iREClipm 1.50: iREClipr= 6.00]
01903# [SMIN= 1.39: SMAX= 9.24: SK= ..000]
01904# RO741c00024-----Dtn-ID:INHYD-----AREAh-QPEAKms-TpeakData_hh:mm:--Rvn-R.C.--DWFcms
01905# CONTINUOUS STANDHY 5.0 01:INF= 6.0 20.28 .202 n/a .000
01906# ADD HYD 5.0 02:W1 5.16 .257 1974.0719_0:00 202.28 n/a .000
01907# [XIME= 57:TIME= .67]
01908# [Loss= 2 :CNW= 10.0]
01909# [Previous area: Iapres 4.67:SLPP=2.00:LGF= 40.:MNP=..250:SCP= .0]
01910# [Impervious area: Ialimp 1.57:SLDE= .50:LGI= 228.:MMI=..013:SCI= .0]
01911# [iREClipm 1.50: iREClipr= 6.00]
01912# [SMIN= 1.39: SMAX= 9.24: SK= ..000]
01913# RO741c00025-----Dtn-ID:INHYD-----AREAh-QPEAKms-TpeakData_hh:mm:--Rvn-R.C.--DWFcms
01914# CONTINUOUS STANDHY 5.0 01:INF= 6.0 1.30 .201 1974.0719_0:00 204.30 .529 .000
01915# [XIME= 57:TIME= .67]
01916# [Loss= 2 :CNW= 10.0]
01917# [Previous area: Iapres 4.67:SLPP=2.00:LGF= 40.:MNP=..250:SCP= .0]
01918# [Impervious area: Ialimp 1.57:SLDE= .50:LGI= 228.:MMI=..013:SCI= .0]
01919# [iREClipm 1.50: iREClipr= 6.00]
01920# [SMIN= 1.39: SMAX= 9.24: SK= ..000]
01921# RO741c00026-----Dtn-ID:INHYD-----AREAh-QPEAKms-TpeakData_hh:mm:--Rvn-R.C.--DWFcms
01922# CONTINUOUS STANDHY 5.0 01:INF= 7.81 .406 1974.0719_0:00 229.31 .594 .000
01923# [XIME= 57:TIME= .67]
01924# [Loss= 2 :CNW= 10.0]
01925# [Previous area: Iapres 4.67:SLPP=2.00:LGF= 40.:MNP=..250:SCP= .0]
01926# [Impervious area: Ialimp 1.57:SLDE= .50:LGI= 228.:MMI=..013:SCI= .0]
01927# [iREClipm 1.50: iREClipr= 6.00]
01928# [SMIN= 1.39: SMAX= 9.24: SK= ..000]
01929# RO741c00027-----Dtn-ID:INHYD-----AREAh-QPEAKms-TpeakData_hh:mm:--Rvn-R.C.--DWFcms
01930# CONTINUOUS STANDHY 5.0 01:INF= 7.81 .406 1974.0719_0:00 229.31 .594 .000
01931# [XIME= 57:TIME= .67]
01932# [Loss= 2 :CNW= 10.0]
01933# [Previous area: Iapres 4.67:SLPP=2.00:LGF= 40.:MNP=..250:SCP= .0]
01934# [Impervious area: Ialimp 1.57:SLDE= .50:LGI= 228.:MMI=..013:SCI= .0]
01935# [iREClipm 1.50: iREClipr= 6.00]
01936# [SMIN= 1.39: SMAX= 9.24: SK= ..000]
01937# RO741c00028-----Dtn-ID:INHYD-----AREAh-QPEAKms-TpeakData_hh:mm:--Rvn-R.C.--DWFcms
01938# CONTINUOUS STANDHY 5.0 01:INF= 7.81 .406 1974.0719_0:00 229.31 .594 .000
01939# [XIME= 57:TIME= .67]
01940# [Loss= 2 :CNW= 10.0]
01941# [Previous area: Iapres 4.67:SLPP=2.00:LGF= 40.:MNP=..250:SCP= .0]
01942# [Impervious area: Ialimp 1.57:SLDE= .50:LGI= 228.:MMI=..013:SCI= .0]
01943# [iREClipm 1.50: iREClipr= 6.00]
01944# [SMIN= 1.39: SMAX= 9.24: SK= ..000]
01945# READ AER DATA
01946# [Filename = YOW_1967_2007.123]
01947# [Station = 1967-2007 EndDate = 1975.12.31]
01948# [Precip = 60. Length = 876 hrs; NetArea = 344; DryHrs = 8416; PTOT = 535.50]
01949# Maximum average rainfall intensities over
01950# 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
01951# 1.20 1.15 1.10 1.05 1.00 0.95 0.90 0.85 0.80 mm/hr
01952# 34.80 36.80 37.60 37.90 40.00 41.50 41.80 44.40
01953# 48.50 50.50 52.50 54.50 56.50 58.50 60.50 62.50
01954# 59.00 60.50 62.50 64.50 66.50 68.50 70.50 72.50
01955# 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
01956# 136 118 99 78 61 49 40 33 25
01957# Number of events with the least following durations
01958# 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
01959# 135 70 40 17 1 0 0 0 0 0
01960# RO741c00029-----Dtn-ID:INHYD-----AREAh-QPEAKms-TpeakData_hh:mm:--Rvn-R.C.--DWFcms
01961# COMPUTE API
01962# [APIinit= 50.00: APIkey= .9000: APIkdr= .9956]
01963# [APIout= 73.00: APIoutr= .9950]
01964# # Barrhaven Conservancy Development Phase 3 (WITH INFILTRATION) - POST DEVELOPMENT CONDITIONS
01965# *****END OF RUN : 14*****
01966# RO741c00030-----Dtn-ID:INHYD-----AREAh-QPEAKms-TpeakData_hh:mm:--Rvn-R.C.--DWFcms
01967# CONTINUOUS STANDHY 5.0 01:W1 5.76 .359 1975.0708_17:00 250.69 .468 .000
01968# [XIME= 55:TIME= .66]
01969# [Loss= 2 :CNW= 10.0]
01970# [Previous area: Iapres 4.67:SLPP=2.00:LGF= 40.:MNP=..250:SCP= .0]
01971# [Impervious area: Ialimp 1.57:SLDE= .50:LGI= 196.:MMI=..013:SCI= .0]
01972# [SMM= 41.38: SMAX=275.84: SK= ..030]
01973# # Lid for outlet W1 (4 catchbasins, 30 m long trench each)
01974# # Assumed 840 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
01975# Total Volume provided by Lid = 96 m³ by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
01976# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
01977# # Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
01978# RO741c00035-----Dtn-ID:INHYD-----AREAh-QPEAKms-TpeakData_hh:mm:--Rvn-R.C.--DWFcms
01979# ROUTE RESERVOIR > 5.0 02:WME 5.76 .359 1975.0708_17:00 250.69 n/a .000
01980# [XIME= 66:TIME= .76]
01981# [Loss= 2 :CNW= 10.0]
01982# [Previous area: Iapres 4.67:SLPP=2.00:LGF= 40.:MNP=..250:SCP= .0]
01983# [Impervious area: Ialimp 1.57:SLDE= .50:LGI= 228.:MMI=..013:SCI= .0]
01984# [iREClipm 1.50: iREClipr= 6.00]
01985# [SMIN= 41.38: SMAX=275.84: SK= ..030]
01986# # Lid for outlet W3 (6 catchbasins, 30 m long trench each)
01987# # Assumed 840 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
01988# Total Volume provided by Lid = 116 m³ by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
01989# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
01990# # Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
01991# RO741c00014-----Dtn-ID:INHYD-----AREAh-QPEAKms-TpeakData_hh:mm:--Rvn-R.C.--DWFcms
01992# CONTINUOUS STANDHY 5.0 01:W1 7.81 .327 1974.0719_0:00 198.65 .514 .000
01993# [XIME= 66:TIME= .76]
01994# [Loss= 2 :CNW= 71.0]
01995# [Previous area: Iapres 4.67:SLPP=2.00:LGF= 40.:MNP=..250:SCP= .0]
01996# [Impervious area: Ialimp 1.57:SLDE= .50:LGI= 228.:MMI=..013:SCI= .0]
01997# [iREClipm 1.50: iREClipr= 6.00]
01998# [SMIN= 41.38: SMAX=275.84: SK= ..030]
01999# # Lid for outlet W3 (6 catchbasins, 30 m long trench each)
02000# # Assumed 840 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
02001# Total Volume provided by Lid = 116 m³ by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
02002# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
02003# # Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
02004# RO741c00015-----Dtn-ID:INHYD-----AREAh-QPEAKms-TpeakData_hh:mm:--Rvn-R.C.--DWFcms
02005# CONTINUOUS STANDHY 5.0 01:W1 7.81 .327 1974.0719_0:00 198.65 .514 .000
02006# [XIME= 66:TIME= .76]
02007# [Loss= 2 :CNW= 71.0]
02008# [Previous area: Iapres 4.67:SLPP=2.00:LGF= 40.:MNP=..250:SCP= .0]
02009# [Impervious area: Ialimp 1.57:SLDE= .50:LGI= 228.:MMI=..013:SCI= .0]
02010# [iREClipm 1.50: iREClipr= 6.00]
02011# [SMIN= 41.38: SMAX=275.84: SK= ..030]
02012# # Lid for outlet W3 (6 catchbasins, 30 m long trench each)
02013# # Assumed 840 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
02014# Total Volume provided by Lid = 116 m³ by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
02015# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
02016# # Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
02017# RO741c00016-----Dtn-ID:INHYD-----AREAh-QPEAKms-TpeakData_hh:mm:--Rvn-R.C.--DWFcms
02018# CONTINUOUS STANDHY 5.0 01:W1 7.81 .327 1974.0719_0:00 198.65 .514 .000
02019# [XIME= 66:TIME= .76]
02020# [Loss= 2 :CNW= 71.0]
02021# [Previous area: Iapres 4.67:SLPP=2.00:LGF= 40.:MNP=..250:SCP= .0]
02022# [Impervious area: Ialimp 1.57:SLDE= .50:LGI= 228.:MMI=..013:SCI= .0]
02023# [iREClipm 1.50: iREClipr= 6.00]
02024# [SMIN= 41.38: SMAX= 9.24: SK= ..000]
02025# # Lid for outlet W3 (6 catchbasins, 30 m long trench each)
02026# # Assumed 840 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
02027# Total Volume provided by Lid = 116 m³ by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
02028# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
02029# # Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
02030# RO741c00017-----Dtn-ID:INHYD-----AREAh-QPEAKms-TpeakData_hh:mm:--Rvn-R.C.--DWFcms
02031# CONTINUOUS STANDHY 5.0 01:W1 7.81 .327 1974.0719_0:00 198.65 .514 .000
02032# [XIME= 66:TIME= .76]
02033# [Loss= 2 :CNW= 71.0]
02034# [Previous area: Iapres 4.67:SLPP=2.00:LGF= 40.:MNP=..250:SCP= .0]
02035# [Impervious area: Ialimp 1.57:SLDE= .50:LGI= 228.:MMI=..013:SCI= .0]
02036# [iREClipm 1.50: iREClipr= 6.00]
02037# [SMIN= 41.38: SMAX= 9.24: SK= ..000]
02038# # Lid for outlet W3 (6 catchbasins, 30 m long trench each)
02039# # Assumed 840 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
02040# Total Volume provided by Lid = 116 m³ by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
02041# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
02042# # Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
02043# RO741c00018-----Dtn-ID:INHYD-----AREAh-QPEAKms-TpeakData_hh:mm:--Rvn-R.C.--DWFcms
02044# CONTINUOUS STANDHY 5.0 01:W1 7.81 .327 1974.0719_0:00 198.65 .514 .000
02045# [XIME= 66:TIME= .76]
02046# [Loss= 2 :CNW= 71.0]
02047# [Previous area: Iapres 4.67:SLPP=2.00:LGF= 40.:MNP=..250:SCP= .0]
02048# [Impervious area: Ialimp 1.57:SLDE= .50:LGI= 228.:MMI=..013:SCI= .0]
02049# [iREClipm 1.50: iREClipr= 6.00]
02050# [SMIN= 41.38: SMAX=275.84: SK= ..030]
02051# # Lid for outlet W3 (6 catchbasins, 30 m long trench each)
02052# # Assumed 840 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
02053# Total Volume provided by Lid = 116 m³ by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
02054# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
02055# # Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
02056# RO741c00019-----Dtn-ID:INHYD-----AREAh-QPEAKms-TpeakData_hh:mm:--Rvn-R.C.--DWFcms
02057# CONTINUOUS STANDHY 5.0 01:W1 7.81 .327 1974.0719_0:00 198.65 .514 .000
02058# [XIME= 66:TIME= .76]
02059# [Loss= 2 :CNW= 71.0]
02060# [Previous area: Iapres 4.67:SLPP=2.00:LGF= 40.:MNP=..250:SCP= .0]
02061# [Impervious area: Ialimp 1.57:SLDE= .50:LGI= 228.:MMI=..013:SCI= .0]
02062# [iREClipm 1.50: iREClipr= 6.00]
02063# [SMIN= 41.38: SMAX= 9.24: SK= ..000]
02064# # Lid for outlet W3 (6 catchbasins, 30 m long trench each)
02065# # Assumed 840 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
02066# Total Volume provided by Lid = 116 m³ by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
02067# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
02068# # Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
02069# RO741c00020-----Dtn-ID:INHYD-----AREAh-QPEAKms-TpeakData_hh:mm:--Rvn-R.C.--DWFcms
02070# CONTINUOUS STANDHY 5.0 01:W1 7.81 .327 1974.0719_0:00 198.65 .514 .000
02071# [XIME= 66:TIME= .76]
02072# [Loss= 2 :CNW= 71.0]
02073# [Previous area: Iapres 4.67:SLPP=2.00:LGF= 40.:MNP=..250:SCP= .0]
02074# [Impervious area: Ialimp 1.57:SLDE= .50:LGI= 228.:MMI=..013:SCI= .0]
02075# [iREClipm 1.50: iREClipr= 6.00]
02076# [SMIN= 41.38: SMAX= 9.24: SK= ..000]
02077# # Lid for outlet W3 (6 catchbasins, 30 m long trench each)
02078# # Assumed 840 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
02079# Total Volume provided by Lid = 116 m³ by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
02080# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
02081# # Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
02082# RO741c00021-----Dtn-ID:INHYD-----AREAh-QPEAKms-TpeakData_hh:mm:--Rvn-R.C.--DWFcms
02083# CONTINUOUS STANDHY 5.0 01:W1 7.81 .327 1974.0719_0:00 198.65 .514 .000
02084# [XIME

02521; [Impervious area: IaRcp= 1.50; IaRcp= 228; MNi= 013; SCI= .0] 02522; [IaRcp= 1.50; IaRcp= 60;] 02523; [SMN= 41.38; SMN= 84; SK= .000] 02524; # LID for Outlet W6 (24 catchbasins, 30 m long trench each) 02525; # Assumed 720 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe 02526; # Soil infiltration rates assumed at 8mm/hr with a safety factor of 2.5 02527; Soil infiltration rates assumed at 8mm/hr with a safety factor of 2.5 02528; R0771:00015-----DIn=ID-NHDY---ARAhA-QPEAKms-Tpeakdate_hh:mm---RVm=R.C.---DWFcms 02529; # Routes RESERVOIR > 5.0 01NW-LID-In 0.0 02530; # outlet <= 5.0 01NW-LID-Out 5.76 .349 1977.0717_16:00 394.18 n/a .000 02531; # overflow <= 5.0 03NW-LID-Out 4.32 .385 1978.0618_17:00 329.24 n/a .000 02532; (#Metrcodes_11480-E-03.m3_TotDwrfVol=22708E+01 m³, N-Ofw= 100, TotDwrfc= 164.hrs) 02533; R0771:00016-----DIn=ID-NHDY---ARAhA-QPEAKms-Tpeakdate_hh:mm---RVm=R.C.---DWFcms 02534; ADD HWD 5.0 02NW 5.76 .229 1977.0901_23:00 321.78 n/a .000 02535; + 5.0 02NW-LID-In 5.76 .229 1977.0901_23:00 291.80 n/a .000 02536; + 5.0 02NW-LID-Out 6.37 .291 1977.0901_23:00 370.91 n/a .000 02537; + 5.0 02NW 10.11 .393 1977.0901_23:00 343.43 n/a .000 02538; + 5.0 02NW-LID-In 6.20 .235 1977.0901_23:00 329.71 n/a .000 02539; + 5.0 02NW-LID-Out 4.58 .230 1977.0901_23:00 329.71 n/a .000 02540; + 5.0 02NW 5.76 .349 1977.0717_16:00 394.17 n/a .000 02541; SUM= 5.0 01-BRD-PH 48.42 1.903 1977.0901_23:00 344.97 n/a .000 02542; R0771:00017-----DIn=ID-NHDY---ARAhA-QPEAKms-Tpeakdate_hh:mm---RVm=R.C.---DWFcms 02543; ADD HWD 5.0 02NW 5.76 .229 1977.0901_23:00 321.78 n/a .000 02544; + 5.0 02NW-LID-In 5.76 .229 1977.0901_23:00 291.80 n/a .000 02545; + 5.0 02NW-LID-Out 6.37 .291 1977.0901_23:00 370.91 n/a .000 02546; + 5.0 02NW 10.11 .393 1977.0901_23:00 343.43 n/a .000 02547; + 5.0 02NW-LID-In 6.20 .235 1977.0901_23:00 329.71 n/a .000 02548; + 5.0 02NW-LID-Out 4.58 .230 1977.0901_23:00 329.71 n/a .000 02549; + 5.0 02NW 5.76 .349 1977.0717_16:00 394.17 n/a .000 02550; # Barhaven Conservancy Development Phase 3 (WITHOUT INFILTRATION) - POST DEVELOPMENT CONDITIONS 02551; # Set infiltration to 0 (CN = 99.99) for water balance analysis 02552; # R0771:00018-----DIn=ID-NHDY---ARAhA-QPEAKms-Tpeakdate_hh:mm---RVm=R.C.---DWFcms 02553; # CONTINUOUS STANDHYD 5.0 01-INF-W1 5.76 .292 1977.0717_16:00 410.97 .696 .000 02554; # (XIMP=.55;TIMP=.66) 02555; # CONTINUOUS STANDHYD 5.0 01-INF-W1 5.76 .292 1977.0717_16:00 410.97 .696 .000 02556; # (LDS= 2 CNW=100) 02557; # (Fervous area: IaRcp= 4.67;SLIP=2.00;LGF= 40.;MNP=250;SCF= .0] 02558; # (Impervious area: IaRcp= 1.57;SLIP= .50;LGI= 196.;MNi= 013;SCI= .0] 02559; # (IaRcp= 1.50; IaRcp= 6.00) 02560; # (SMN= 41.38; SMN= 84; SK= .000) 02561; # (IaRcp= 1.50; IaRcp= 6.00) 02562; R0771:00019-----DIn=ID-NHDY---ARAhA-QPEAKms-Tpeakdate_hh:mm---RVm=R.C.---DWFcms 02563; # CONTINUOUS STANDHYD 5.0 01-INF-W1 8.51 .418 1977.0901_23:00 393.74 .581 .000 02564; # (XIMP=.55;TIMP=.66) 02565; # CONTINUOUS STANDHYD 5.0 01-INF-W1 8.51 .418 1977.0901_23:00 393.74 .581 .000 02566; # (LDS= 2 CNW=100) 02567; # (Fervous area: IaRcp= 4.67;SLIP=2.00;LGF= 40.;MNP=250;SCF= .0] 02568; # (Impervious area: IaRcp= 1.57;SLIP= .50;LGI= 260.;MNi= 013;SCI= .0] 02569; # (IaRcp= 1.50; IaRcp= 6.00) 02570; # (SMN= 1.39; SMN= 9.24; SK= .000) 02571; # (IaRcp= 1.50; IaRcp= 6.00) 02572; # (CONTINUOUS STANDHYD 5.0 01-INF-W1 7.61 .356 1977.0717_16:00 440.83 .650 .000 02573; # (XIMP=.66;TIMP=.76) 02574; # (Fervous area: IaRcp= 4.67;SLIP=2.00;LGF= 40.;MNP=250;SCF= .0] 02575; # (Impervious area: IaRcp= 1.57;SLIP= .50;LGI= 259.;MNi= 013;SCI= .0] 02576; # (IaRcp= 1.50; IaRcp= 6.00) 02577; # (SMN= 1.39; SMN= 9.24; SK= .000) 02578; R0771:00021-----DIn=ID-NHDY---ARAhA-QPEAKms-Tpeakdate_hh:mm---RVm=R.C.---DWFcms 02579; # CONTINUOUS STANDHYD 5.0 01-INF-W1 10.11 .509 1977.0717_16:00 423.03 .624 .000 02580; # (XIMP=.66;TIMP=.76) 02581; # CONTINUOUS STANDHYD 5.0 01-INF-W1 10.11 .509 1977.0717_16:00 423.03 .624 .000 02582; # (Fervous area: IaRcp= 4.67;SLIP=2.00;LGF= 40.;MNP=250;SCF= .0] 02583; # (Impervious area: IaRcp= 1.57;SLIP= .50;LGI= 260.;MNi= 013;SCI= .0] 02584; # (IaRcp= 1.50; IaRcp= 6.00) 02585; # (SMN= 1.39; SMN= 9.24; SK= .000) 02586; R0771:00022-----DIn=ID-NHDY---ARAhA-QPEAKms-Tpeakdate_hh:mm---RVm=R.C.---DWFcms 02587; # CONTINUOUS STANDHYD 5.0 01-INF-W1 7.81 .424 1977.0717_16:00 455.90 .673 .000 02588; # (XIMP=.66;TIMP=.81) 02589; # (Fervous area: IaRcp= 4.67;SLIP=2.00;LGF= 40.;MNP=250;SCF= .0] 02590; # (Impervious area: IaRcp= 1.57;SLIP= .50;LGI= 228.;MNi= 013;SCI= .0] 02591; # (IaRcp= 1.50; IaRcp= 6.00) 02592; # (SMN= 1.39; SMN= 9.24; SK= .000) 02593; # (IaRcp= 1.50; IaRcp= 6.00) 02594; R0771:00023-----DIn=ID-NHDY---ARAhA-QPEAKms-Tpeakdate_hh:mm---RVm=R.C.---DWFcms 02595; # CONTINUOUS STANDHYD 5.0 01-INF-W1 7.81 .424 1977.0717_16:00 455.90 .673 .000 02596; # (XIMP=.66;TIMP=.81) 02597; # (Fervous area: IaRcp= 4.67;SLIP=2.00;LGF= 40.;MNP=250;SCF= .0] 02598; # (Impervious area: IaRcp= 1.57;SLIP= .50;LGI= 228.;MNi= 013;SCI= .0] 02599; # (IaRcp= 1.50; IaRcp= 6.00) 02600; # (SMN= 1.39; SMN= 9.24; SK= .000) 02601; # (IaRcp= 1.50; IaRcp= 6.00) 02602; # (CONTINUOUS STANDHYD 5.0 01-INF-W1 7.81 .424 1977.0717_16:00 455.90 .673 .000 02603; # (XIMP=.66;TIMP=.81) 02604; # (Fervous area: IaRcp= 4.67;SLIP=2.00;LGF= 40.;MNP=250;SCF= .0] 02605; # (Impervious area: IaRcp= 1.57;SLIP= .50;LGI= 228.;MNi= 013;SCI= .0] 02606; # (IaRcp= 1.50; IaRcp= 6.00) 02607; # (SMN= 1.39; SMN= 9.24; SK= .000) 02608; # (IaRcp= 1.50; IaRcp= 6.00) 02609; # (CONTINUOUS STANDHYD 5.0 01-INF-W1 7.81 .424 1977.0717_16:00 455.90 .673 .000 02610; # (XIMP=.66;TIMP=.81) 02611; # (Fervous area: IaRcp= 4.67;SLIP=2.00;LGF= 40.;MNP=250;SCF= .0] 02612; # (Impervious area: IaRcp= 1.57;SLIP= .50;LGI= 228.;MNi= 013;SCI= .0] 02613; # (IaRcp= 1.50; IaRcp= 6.00) 02614; # (SMN= 1.39; SMN= 9.24; SK= .000) 02615; # (IaRcp= 1.50; IaRcp= 6.00) 02616; # (CONTINUOUS STANDHYD 5.0 01-INF-W1 7.81 .424 1977.0717_16:00 455.90 .673 .000 02617; # (XIMP=.66;TIMP=.81) 02618; # (Fervous area: IaRcp= 4.67;SLIP=2.00;LGF= 40.;MNP=250;SCF= .0] 02619; # (Impervious area: IaRcp= 1.57;SLIP= .50;LGI= 228.;MNi= 013;SCI= .0] 02620; # (IaRcp= 1.50; IaRcp= 6.00) 02621; # (SMN= 1.39; SMN= 9.24; SK= .000) 02622; # (IaRcp= 1.50; IaRcp= 6.00) 02623; # (CONTINUOUS STANDHYD 5.0 01-INF-W1 7.81 .424 1977.0717_16:00 455.90 .673 .000 02624; # (XIMP=.66;TIMP=.81) 02625; # (Fervous area: IaRcp= 4.67;SLIP=2.00;LGF= 40.;MNP=250;SCF= .0] 02626; # (Impervious area: IaRcp= 1.57;SLIP= .50;LGI= 228.;MNi= 013;SCI= .0] 02627; # (IaRcp= 1.50; IaRcp= 6.00) 02628; # (SMN= 1.39; SMN= 9.24; SK= .000) 02629; # (IaRcp= 1.50; IaRcp= 6.00) 02630; # (CONTINUOUS STANDHYD 5.0 01-INF-W1 7.81 .424 1977.0717_16:00 455.90 .673 .000 02631; # (XIMP=.66;TIMP=.81) 02632; # (Fervous area: IaRcp= 4.67;SLIP=2.00;LGF= 40.;MNP=250;SCF= .0] 02633; # (Impervious area: IaRcp= 1.57;SLIP= .50;LGI= 228.;MNi= 013;SCI= .0] 02634; # (IaRcp= 1.50; IaRcp= 6.00) 02635; # (SMN= 1.39; SMN= 9.24; SK= .000) 02636; # (IaRcp= 1.50; IaRcp= 6.00) 02637; # (CONTINUOUS STANDHYD 5.0 01-INF-W1 7.81 .424 1977.0717_16:00 455.90 .673 .000 02638; # (XIMP=.66;TIMP=.81) 02639; # (Fervous area: IaRcp= 4.67;SLIP=2.00;LGF= 40.;MNP=250;SCF= .0] 02640; # (Impervious area: IaRcp= 1.57;SLIP= .50;LGI= 228.;MNi= 013;SCI= .0] 02641; # (IaRcp= 1.50; IaRcp= 6.00) 02642; # (SMN= 1.39; SMN= 9.24; SK= .000) 02643; # (IaRcp= 1.50; IaRcp= 6.00) 02644; # (CONTINUOUS STANDHYD 5.0 01-INF-W1 7.81 .424 1977.0717_16:00 455.90 .673 .000 02645; # (XIMP=.66;TIMP=.81) 02646; # (Fervous area: IaRcp= 4.67;SLIP=2.00;LGF= 40.;MNP=250;SCF= .0] 02647; # (Impervious area: IaRcp= 1.57;SLIP= .50;LGI= 228.;MNi= 013;SCI= .0] 02648; # (IaRcp= 1.50; IaRcp= 6.00) 02649; # (SMN= 1.39; SMN= 9.24; SK= .000) 02650; # (IaRcp= 1.50; IaRcp= 6.00) 02651; # (CONTINUOUS STANDHYD 5.0 01-INF-W1 7.81 .424 1977.0717_16:00 455.90 .673 .000 02652; # (XIMP=.66;TIMP=.81) 02653; # (Fervous area: IaRcp= 4.67;SLIP=2.00;LGF= 40.;MNP=250;SCF= .0] 02654; # (Impervious area: IaRcp= 1.57;SLIP= .50;LGI= 228.;MNi= 013;SCI= .0] 02655; # (IaRcp= 1.50; IaRcp= 6.00) 02656; # (SMN= 1.39; SMN= 9.24; SK= .000) 02657; # (IaRcp= 1.50; IaRcp= 6.00) 02658; # (CONTINUOUS STANDHYD 5.0 01-INF-W1 7.81 .424 1977.0717_16:00 455.90 .673 .000 02659; # (XIMP=.66;TIMP=.81) 02660; # (Fervous area: IaRcp= 4.67;SLIP=2.00;LGF= 40.;MNP=250;SCF= .0] 02661; # (Impervious area: IaRcp= 1.57;SLIP= .50;LGI= 228.;MNi= 013;SCI= .0] 02662; # (IaRcp= 1.50; IaRcp= 6.00) 02663; # (SMN= 1.39; SMN= 9.24; SK= .000) 02664; # (IaRcp= 1.50; IaRcp= 6.00) 02665; # (CONTINUOUS STANDHYD 5.0 01-INF-W1 7.81 .424 1977.0717_16:00 455.90 .673 .000 02666; # (XIMP=.66;TIMP=.81) 02667; # (Fervous area: IaRcp= 4.67;SLIP=2.00;LGF= 40.;MNP=250;SCF= .0] 02668; # (Impervious area: IaRcp= 1.57;SLIP= .50;LGI= 228.;MNi= 013;SCI= .0] 02669; # (IaRcp= 1.50; IaRcp= 6.00) 02670; # (SMN= 1.39; SMN= 9.24; SK= .000) 02671; # (IaRcp= 1.50; IaRcp= 6.00) 02672; # (CONTINUOUS STANDHYD 5.0 01-INF-W1 7.81 .424 1977.0717_16:00 455.90 .673 .000 02673; # (XIMP=.66;TIMP=.81) 02674; # (Fervous area: IaRcp= 4.67;SLIP=2.00;LGF= 40.;MNP=250;SCF= .0] 02675; # (Impervious area: IaRcp= 1.57;SLIP= .50;LGI= 228.;MNi= 013;SCI= .0] 02676; # (IaRcp= 1.50; IaRcp= 6.00) 02677; # (SMN= 1.39; SMN= 9.24; SK= .000) 02678; # (IaRcp= 1.50; IaRcp= 6.00) 02679; # (CONTINUOUS STANDHYD 5.0 01-INF-W1 7.81 .424 1977.0717_16:00 455.90 .673 .000 02680; # (XIMP=.66;TIMP=.81) 02681; # (Fervous area: IaRcp= 4.67;SLIP=2.00;LGF= 40.;MNP=250;SCF= .0] 02682; # (Impervious area: IaRcp= 1.57;SLIP= .50;LGI= 228.;MNi= 013;SCI= .0] 02683; # (IaRcp= 1.50; IaRcp= 6.00) 02684; # (SMN= 1.39; SMN= 9.24; SK= .000) 02685; # (IaRcp= 1.50; IaRcp= 6.00) 02686; # (CONTINUOUS STANDHYD 5.0 01-INF-W1 7.81 .424 1977.0717_16:00 455.90 .673 .000 02687; # (XIMP=.66;TIMP=.81) 02688; # (Fervous area: IaRcp= 4.67;SLIP=2.00;LGF= 40.;MNP=250;SCF= .0] 02689; # (Impervious area: IaRcp= 1.57;SLIP= .50;LGI= 228.;MNi= 013;SCI= .0] 02690; # (IaRcp= 1.50; IaRcp= 6.00) 02691; # (SMN= 1.39; SMN= 9.24; SK= .000) 02692; # (IaRcp= 1.50; IaRcp= 6.00) 02693; # (CONTINUOUS STANDHYD 5.0 01-INF-W1 7.81 .424 1977.0717_16:00 455.90 .673 .000 02694; # (XIMP=.66;TIMP=.81) 02695; # (Fervous area: IaRcp= 4.67;SLIP=2.00;LGF= 40.;MNP=250;SCF= .0] 02696; # (Impervious area: IaRcp= 1.57;SLIP= .50;LGI= 228.;MNi= 013;SCI= .0] 02697; # (IaRcp= 1.50; IaRcp= 6.00) 02698; # (SMN= 1.39; SMN= 9.24; SK= .000) 02699; # (IaRcp= 1.50; IaRcp= 6.00) 02700; # (CONTINUOUS STANDHYD 5.0 01-INF-W1 7.81 .424 1977.0717_16:00 455.90 .673 .000 02701; # (XIMP=.66;TIMP=.81) 02702; # (Fervous area: IaRcp= 4.67;SLIP=2.00;LGF= 40.;MNP=250;SCF= .0] 02703; # (Impervious area: IaRcp= 1.57;SLIP= .50;LGI= 228.;MNi= 013;SCI= .0] 02704; # (IaRcp= 1.50; IaRcp= 6.00) 02705; # (SMN= 1.39; SMN= 9.24; SK= .000) 02706; # (IaRcp= 1.50; IaRcp= 6.00) 02707; # (CONTINUOUS STANDHYD 5.0 01-INF-W1 7.81 .424 1977.0717_16:00 455.90 .673 .000 02708; # (XIMP=.66;TIMP=.81) 02709; # (Fervous area: IaRcp= 4.67;SLIP=2.00;LGF= 40.;MNP=250;SCF= .0] 02710; # (Impervious area: IaRcp= 1.57;SLIP= .50;LGI= 228.;MNi= 013;SCI= .0] 02711; # (IaRcp= 1.50; IaRcp= 6.00) 02712; # (SMN= 1.39; SMN= 9.24; SK= .000) 02713; # (IaRcp= 1.50; IaRcp= 6.00) 02714; # (CONTINUOUS STANDHYD 5.0 01-INF-W1 7.81 .424 1977.0717_16:00 455.90 .673 .000 02715; # (XIMP=.66;TIMP=.81) 02716; # (Fervous area: IaRcp= 4.67;SLIP=2.00;LGF= 40.;MNP=250;SCF= .0] 02717; # (Impervious area: IaRcp= 1.57;SLIP= .50;LGI= 228.;MNi= 013;SCI= .0] 02718; # (IaRcp= 1.50; IaRcp= 6.00) 02719; # (SMN= 1.39; SMN= 9.24; SK= .000) 02720; # (IaRcp= 1.50; IaRcp= 6.00) 02721; # (CONTINUOUS STANDHYD 5.0 01-INF-W1 7.81 .424 1977.0717_16:00 455.90 .673 .000 02722; # (XIMP=.66;TIMP=.81) 02723; # (Fervous area: IaRcp= 4.67;SLIP=2.00;LGF= 40.;MNP=250;SCF= .0] 02724; # (Impervious area: IaRcp= 1.57;SLIP= .50;LGI= 228.;MNi= 013;SCI= .0] 02725; # (IaRcp= 1.50; IaRcp= 6.00) 02726; # (SMN= 1.39; SMN= 9.24; SK= .000) 02727; # (IaRcp= 1.50; IaRcp= 6.00) 02728; # (CONTINUOUS STANDHYD 5.0 01-INF-W1 7.81 .424 1977.0717_16:00 455.90 .673 .000 02729; # (XIMP=.66;TIMP=.81) 02730; # (Fervous area: IaRcp= 4.67;SLIP=2.00;LGF= 40.;MNP=250;SCF= .0] 02731; # (Impervious area: IaRcp= 1.57;SLIP= .50;LGI= 228.;MNi= 013;SCI= .0] 02732; # (IaRcp= 1.50; IaRcp= 6.00) 02733; # (SMN= 1.39; SMN= 9.24; SK= .000) 02734; # (IaRcp= 1.50; IaRcp= 6.00) 02735; # (CONTINUOUS STANDHYD 5.0 01-INF-W1 7.81 .424 1977.0717_16:00 455.90 .673 .000 02736; # (XIMP=.66;TIMP=.81) 02737; # (Fervous area: IaRcp= 4.67;SLIP=2.00;LGF= 40.;MNP=250;SCF= .0] 02738; # (Impervious area: IaRcp= 1.57;SLIP= .50;LGI= 228.;MNi= 013;SCI= .0] 02739; # (IaRcp= 1.50; IaRcp= 6.00) 02740; # (SMN= 1.39; SMN= 9.24; SK= .000) 02741; # (IaRcp= 1.50; IaRcp= 6.00) 02742; # (CONTINUOUS STANDHYD 5.0 01-INF-W1 7.81 .424 1977.0717_16:00 455.90 .673 .000 02743; # (XIMP=.66;TIMP=.81) 02744; # (Fervous area: IaRcp= 4.67;SLIP=2.00;LGF= 40.;MNP=250;SCF= .0] 02745; # (Impervious area: IaRcp= 1.57;SLIP= .50;LGI= 228.;MNi= 013;SCI= .0] 02746; # (IaRcp= 1.50; IaRcp= 6.00) 02747; # (SMN= 1.39; SMN= 9.24; SK= .000) 02748; # (IaRcp= 1.50; IaRcp= 6.00) 02749; # (CONTINUOUS STANDHYD 5.0 01-INF-W1 7.81 .424 1977.0717_16:00 455.90 .673 .000 02750; # (XIMP=.66;TIMP=.81) 02751; # (Fervous area: IaRcp= 4.67;SLIP=2.00;LGF= 40.;MNP=250;SCF= .0] 02752; # (Impervious area: IaRcp= 1.57;SLIP= .50;LGI= 228.;MNi= 013;SCI= .0] 02753; # (IaRcp= 1.50; IaRcp= 6.00) 02754; # (SMN= 1.39; SMN= 9.24; SK= .000) 02755; # (IaRcp= 1.50; IaRcp= 6.00) 02756; # (CONTINUOUS STANDHYD 5.0 01-INF-W1 7.81 .424 1977.0717_16:00 455.90 .673 .000 02757; # (XIMP=.66;TIMP=.81) 02758; # (Fervous area: IaRcp= 4.67;SLIP=2.00;LGF= 40.;MNP=250;SCF= .0] 02759; # (Impervious area: IaRcp= 1.57;SLIP= .50;LGI= 228.;MNi= 013;SCI= .0] 02760; # (IaRcp= 1.50; IaRcp= 6.00) 02761; # (SMN= 1.39; SMN= 9.24; SK= .000) 02762; # (IaRcp= 1.50; IaRcp= 6.00) 02763; # (CONTINUOUS STANDHYD 5.0 01-INF-W1 7.81 .424 1977.0717_16:00 455.90 .673 .000 02764; # (XIMP=.66;TIMP=.81) 02765; # (Fervous area: IaRcp= 4.67;SLIP=2.00;LGF= 40.;MNP=250;SCF= .0] 02766; # (Impervious area: IaRcp= 1.57;SLIP= .50;LGI= 228.;MNi= 013;SCI= .0] 02767; # (IaRcp= 1.50; IaRcp= 6.00) 02768; # (SMN= 1.39; SMN= 9.24; SK= .000) 02769; # (IaRcp= 1.50; IaRcp= 6.00) 02770; # (CONTINUOUS STANDHYD 5.0 01-INF-W1 7.81 .424 1977.0717_16:00 455.90 .673 .000 02771; # (XIMP=.66;TIMP=.81) 02772; # (Fervous area: IaRcp= 4.67;SLIP=2.00;LGF= 40.;MNP=250;SCF= .0] 02773; # (Impervious area: IaRcp= 1.57;SLIP= .50;LGI= 228.;MNi= 013;SCI= .0] 02774; # (IaRcp= 1.50; IaRcp= 6.00) 02775; # (SMN= 1.39; SMN= 9.24; SK= .000) 02776; # (IaRcp= 1.50; IaRcp= 6.00) 02777; # (CONTINUOUS STANDHYD 5.0 01-INF-W1 7.81 .424 1977.0717_16:00 455.90 .673 .000 02778; # (XIMP=.66;TIMP=.81) 02779; # (Fervous area: IaRcp= 4.67;SLIP=2.00;LGF= 40.;MNP=250;SCF= .0] 02780; # (Impervious area: IaRcp= 1.57;SLIP= .50;LGI= 228.;MNi= 013;SCI= .0] 02781; # (IaRcp= 1.50; IaRcp= 6.00) 02782; # (SMN= 1.39; SMN= 9.24; SK= .000) 02783; # (IaRcp= 1.50; IaRcp= 6.00) 02784; # (CONTINUOUS STANDHYD 5.0 01-INF-W1 7.81 .424 1977.0717_16:00 455.90 .673 .000 02785; # (XIMP=.66;TIMP=.81) 02

02881 Number of rainfall events per following intervals time
02882 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
02883 188 147 120 103 86 60 53 43 36
02884 Number of events with at least the following durations
02885 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
02886 187 97 55 25 6 0 0 0 0
02887 ADD HYD 0.01:INF-NW 0.01:INF-W 0.01:INF-S 0.01:INF-E
02888 R0079:CD0003-----
02889 # APInfil= 50.00; APFkdy= .9000; APfktr=.9956
02890 # APInfil= 78.42; APfavg= 23.13 APfmin=.13
02891 # APfmax= 1.39; APfavg= 1.24 APfmin=.0000
02892 # Barrhaven Conservancy Development Phase 3 (WITH INFILTRATION) - POST DEVELOPMENT CONDITIONS
02893 #
02894 #
02895 R0079:CD0004-----
02896 CONTINUOUS STANDHYD 5.0 01:INF-NW 5.76 .431 1979.6614:4:00 455.94 .526 .000
02897 # XIMB= 55:TIME=.66
02898 # [LOSS= 2 :CIN=71.00]
02899 # [Previous area: Iapres= 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0]
02900 # [Impervious area: IaImp= 1.57:SLP= .50:LGI= 196.:MMI=.013:SCI= .0]
02901 # [iREClipm= 1.50: iAREoper= 6.00]
02902 # [IMB= 41.38: SMAX=275.84: SK= .030]
02903 # LID for Outlet W6 (14 catchbasins, 30 m long trench each)
02904 # Assumed 420 m long trench 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
02905 # Total Volume provided by LID = 131 m³
02906 # Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
02907 R0079:CD0005-----
02908 Dtnin-ID:INHYD-----
02909 ROUTE RESERVOIR <-> 5.0 01:INF-LID 1.04 .001 1979.6101:9:15 425.51 n/a .000
02910 # overflow <= 5.0 03:INF-LID Out 1.75 .411 1979.6016:14:00 n/a .000
02911 # [MstsCoode=11908E-01 m3, TotVolV=2966E-01 m3, N-Ovrf= 121, TotDurovft= 214,hrs]
02912 #
02913 # CONTINUOUS STANDHYD 5.0 01:INF 8.51 .578 1979.6016:14:00 425.51 .491 .000
02914 # XIMB= 50:TIME=.66
02915 # [LOSS= 2 :CIN= 71.00]
02916 # [Previous area: Iapres= 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0]
02917 # [Impervious area: IaImp= 1.57:SLP= .50:LGI= 196.:MMI=.013:SCI= .0]
02918 # [iREClipm= 1.50: iAREoper= 6.00]
02919 # [IMB= 41.38: SMAX=275.84: SK= .030]
02920 # LID for Outlet W2 (19 catchbasins, 30 m long trench each)
02921 # Assumed 420 m long trench 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
02922 # Total Volume provided by LID = 131 m³
02923 # Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
02924 R0079:CD0006-----
02925 Dtnin-ID:INHYD-----
02926 ROUTE RESERVOIR <-> 5.0 01:INF-LID 1.04 .001 1979.6101:9:15 425.51 n/a .000
02927 # overflow <= 5.0 03:INF-LID Out 1.75 .411 1979.6016:14:00 n/a .000
02928 # [MstsCoode=11908E-01 m3, TotVolV=2966E-01 m3, N-Ovrf= 121, TotDurovft= 214,hrs]
02929 #
02930 # CONTINUOUS STANDHYD 5.0 01:INF 8.51 .578 1979.6016:14:00 425.51 .491 .000
02931 # XIMB= 66:TIME=.76
02932 # [LOSS= 2 :CIN= 71.00]
02933 # [Previous area: Iapres= 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0]
02934 # [Impervious area: IaImp= 1.57:SLP= .50:LGI= 259.:MMI=.013:SCI= .0]
02935 # [iREClipm= 1.50: iAREoper= 6.00]
02936 # [IMB= 41.38: SMAX=275.84: SK= .030]
02937 # LID for Outlet W6 (28 catchbasins, 30 m long trench each)
02938 # Assumed 480 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
02939 # Total Volume provided by LID = 186 m³
02940 # Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
02941 R0079:CD0007-----
02942 Dtnin-ID:INHYD-----
02943 ROUTE RESERVOIR <-> 5.0 01:INF-LID 10.0 .788 1979.6016:14:00 456.48 n/a .000
02944 # overflow <= 5.0 03:INF-LID Out 8.11 .767 1979.6016:14:00 516.68 n/a .000
02945 # [MstsCoode=11908E-01 m3, TotVolV=4192E-01 m3, N-Ovrf= 121, TotDurovft= 212,hrs]
02946 #
02947 # CONTINUOUS STANDHYD 5.0 01:INF 10.11 .753 1979.6016:14:00 482.39 .557 .000
02948 # XIMB= 60:TIME=.70
02949 # [LOSS= 2 :CIN= 71.00]
02950 # [Previous area: Iapres= 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0]
02951 # [Impervious area: IaImp= 1.57:SLP= .50:LGI= 260.:MMI=.013:SCI= .0]
02952 # [iREClipm= 1.50: iAREoper= 6.00]
02953 # [IMB= 41.38: SMAX=275.84: SK= .030]
02954 # LID for Outlet W4 (27 catchbasins, 30 m long trench each)
02955 # Assumed 480 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
02956 # Total Volume provided by LID = 186 m³
02957 # Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
02958 R0079:CD0008-----
02959 Dtnin-ID:INHYD-----
02960 ROUTE RESERVOIR <-> 5.0 01:INF-LID 10.1 .788 1979.6016:14:00 456.48 n/a .000
02961 # overflow <= 5.0 03:INF-LID Out 8.11 .767 1979.6016:14:00 516.68 n/a .000
02962 # [MstsCoode=11908E-01 m3, TotVolV=4192E-01 m3, N-Ovrf= 121, TotDurovft= 212,hrs]
02963 #
02964 # CONTINUOUS STANDHYD 5.0 01:INF 10.11 .753 1979.6016:14:00 482.39 .557 .000
02965 # XIMB= 60:TIME=.70
02966 # [LOSS= 2 :CIN= 71.00]
02967 # [Previous area: Iapres= 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0]
02968 # [Impervious area: IaImp= 1.57:SLP= .50:LGI= 203.:MMI=.013:SCI= .0]
02969 # [iREClipm= 1.50: iAREoper= 6.00]
02970 # [IMB= 41.38: SMAX=275.84: SK= .030]
02971 # LID for Outlet W6 (28 catchbasins, 30 m long trench each)
02972 # Assumed 480 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
02973 # Total Volume provided by LID = 186 m³
02974 # Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
02975 R0079:CD0009-----
02976 Dtnin-ID:INHYD-----
02977 ROUTE RESERVOIR <-> 5.0 01:INF-LID 10.1 .788 1979.6016:14:00 456.48 n/a .000
02978 # overflow <= 5.0 03:INF-LID Out 8.11 .767 1979.6016:14:00 516.68 n/a .000
02979 # [MstsCoode=11908E-01 m3, TotVolV=2334E+01 m3, N-Ovrf= 119, TotDurovft= 209,hrs]
02980 #
02981 # CONTINUOUS STANDHYD 5.0 01:INF 10.11 .753 1979.6016:14:00 482.39 .557 .000
02982 # XIMB= 71:TIME=.81
02983 # [LOSS= 2 :CIN= 71.00]
02984 # [Previous area: Iapres= 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0]
02985 # [Impervious area: IaImp= 1.57:SLP= .50:LGI= 228.:MMI=.013:SCI= .0]
02986 # [iREClipm= 1.50: iAREoper= 6.00]
02987 # [IMB= 41.38: SMAX=275.84: SK= .030]
02988 # LID for Outlet W6 (24 catchbasins, 30 m long trench each)
02989 # Assumed 720 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
02990 # Total Volume provided by LID = 186 m³
02991 # Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
02992 R0079:CD0010-----
02993 Dtnin-ID:INHYD-----
02994 ROUTE RESERVOIR <-> 5.0 01:INF-LID 1.04 .001 1979.6101:9:15 425.51 n/a .000
02995 # overflow <= 5.0 03:INF-LID Out 1.75 .411 1979.6016:14:00 482.39 n/a .000
02996 # [MstsCoode=11908E-01 m3, TotVolV=4192E-01 m3, N-Ovrf= 121, TotDurovft= 212,hrs]
02997 #
02998 # CONTINUOUS STANDHYD 5.0 01:INF 1.04 .001 1979.6101:9:15 425.51 n/a .000
02999 # XIMB= 55:TIME=.66
03000 # [LOSS= 2 :CIN= 71.00]
03001 # [Previous area: Iapres= 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0]
03002 # [Impervious area: IaImp= 1.57:SLP= .50:LGI= 228.:MMI=.013:SCI= .0]
03003 # [iREClipm= 1.50: iAREoper= 6.00]
03004 # [IMB= 41.38: SMAX=275.84: SK= .030]
03005 # ADD HYD 5.0 01:INF-LID 4.83 1979.6016:14:00 456.48 n/a .000
03006 # ADD HYD 5.0 02:INF-LID Out 4.83 1979.6016:14:00 456.48 n/a .000
03007 # overflow <= 5.0 02:INF-LID Out 6.97 .557 1979.6016:14:00 425.51 n/a .000
03008 # overflow <= 5.0 01:INF-LID Out 8.11 .767 1979.6016:14:00 516.68 n/a .000
03009 # [MstsCoode=11908E-01 m3, TotVolV=4192E-01 m3, N-Ovrf= 121, TotDurovft= 212,hrs]
03010 #
03011 # CONTINUOUS STANDHYD 5.0 01:INF-LID 4.83 1979.6016:14:00 456.48 n/a .000
03012 # XIMB= 55:TIME=.66
03013 # [LOSS= 2 :CIN= 71.00]
03014 # Barrhaven Conservancy Development Phase 3 (WITHOUT INFILTRATION) - POST DEVELOPMENT CONDITIONS
03015 # Set infiltration to 0 (CM = 99.99) for water balance analysis
03016 #
03017 # R0079:CD0011-----
03018 # Dtnin-ID:INHYD-----
03019 # ROUTE RESERVOIR <-> 5.0 01:INF-NW 5.76 .338 1979.6016:14:00 577.15 .666 .000
03020 #
03021 # CONTINUOUS STANDHYD 5.0 01:INF-NW 5.76 .338 1979.6016:14:00 590.39 .681 .000
03022 # XIMB= 55:TIME=.66
03023 # [LOSS= 2 :CIN= 100.00]
03024 # [Previous area: Iapres= 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0]
03025 # [Impervious area: IaImp= 1.57:SLP= .50:LGI= 238.:MMI=.013:SCI= .0]
03026 # [iREClipm= 1.50: iAREoper= 6.00]
03027 # [IMB= 1.39: SMAX= 9.24: SK= .000]
03028 #
03029 # CONTINUOUS STANDHYD 5.0 01:INF-NW 8.51 .788 1979.6016:14:00 557.82 .644 .000
03030 # XIMB= 50:TIME=.60
03031 # [LOSS= 2 :CIN= 100.00]
03032 # [Previous area: Iapres= 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0]
03033 # [Impervious area: IaImp= 1.57:SLP= .50:LGI= 238.:MMI=.013:SCI= .0]
03034 # [iREClipm= 1.50: iAREoper= 6.00]
03035 # [IMB= 1.39: SMAX= 9.24: SK= .000]
03036 # ADD HYD 5.0 01:INF-NW 10.0 .940 1979.6016:14:00 610.15 .704 .000
03037 # XIMB= 50:TIME=.60
03038 # [LOSS= 2 :CIN= 100.00]
03039 # [Previous area: Iapres= 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0]
03040 # [Impervious area: IaImp= 1.57:SLP= .50:LGI= 238.:MMI=.013:SCI= .0]
03041 # [iREClipm= 1.50: iAREoper= 6.00]
03042 # [IMB= 1.39: SMAX= 9.24: SK= .000]
03043 # ADD HYD 5.0 01:INF-NW 10.0 .939 1979.6016:14:00 590.39 .681 .000
03044 # XIMB= 60:TIME=.70
03045 # [LOSS= 2 :CIN= 100.00]
03046 # [Previous area: Iapres= 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0]
03047 # [Impervious area: IaImp= 1.57:SLP= .50:LGI= 260.:MMI=.013:SCI= .0]
03048 # [iREClipm= 1.50: iAREoper= 6.00]
03049 # [IMB= 1.39: SMAX= 9.24: SK= .000]
03050 # ADD HYD 5.0 01:INF-NW 6.20 .579 1979.6016:14:00 580.57 .670 .000
03051 # CONTINUOUS STANDHYD 5.0 01:INF-NW 6.20 .579 1979.6016:14:00 580.57 .670 .000
03052 # XIMB= 55:TIME=.67
03053 # [LOSS= 2 :CIN= 100.00]
03054 # [Previous area: Iapres= 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0]
03055 # [Impervious area: IaImp= 1.57:SLP= .50:LGI= 203.:MMI=.013:SCI= .0]
03056 # [iREClipm= 1.50: iAREoper= 6.00]
03057 # [IMB= 1.39: SMAX= 9.24: SK= .000]
03058 #
03059 # CONTINUOUS STANDHYD 5.0 01:INF-NW 7.81 .741 1979.6016:14:00 626.86 .723 .000
03060 # XIMB= 71:TIME=.81

03241+ + 5.0 02:W4-LID-Out 7.51 .253 1980.0830_14:00 313.16 n/a .000
03242+ + 5.0 02:WS-LID-Out 4.60 .149 1980.0830_14:00 306.36 n/a .000
03243+ + 5.0 01:W3-LID-Out 1.19 .232 1980.0830_14:00 200.00 n/a .000
03244+ + 5.0 01:BCD-PHS-LI 36.12 1.225 1980.0830_14:00 314.48 n/a .000
03245+ ***** BARRHAVEN CONSERVANCY DEVELOPMENT PHASE 3 WITHOUT INFILTRATION CONDITIONS
03246+ # Set infiltration to 0 (CN = 99.99) for water balance analysis
03247+ ***** BARRHAVEN CONSERVANCY DEVELOPMENT PHASE 3 WITHOUT INFILTRATION CONDITIONS
03248+ # Set infiltration to 0 (CN = 99.99) for water balance analysis
03249+ ***** BARRHAVEN CONSERVANCY DEVELOPMENT PHASE 3 WITHOUT INFILTRATION CONDITIONS
03250+ R0801:00018-----Dtnin-ID:INHYD---AREAh-QPEAKms-TpeakDate_hh:mm:--RVm-R.C.--DWFcms
03251+ CONTINUOUS STANDHYD 5.0 01:INF-W1 5.76 .181 1980.0830_14:00 374.57 .602 .000
03252+ [IMPERF: 55:TIME=100.0]
03253+ [LOSS= 2 CNM=100.0]
03254+ [Fervious area: Iapres 4.67:SLPP=2.00:LGf= 40.:MNP=250:SCP= .0]
03255+ [Impervious area: Ialmp 1.57:SLP=1..50:LGI= 238.:MMI=013:SCI= .0]
03256+ [SMIN= 1.39. SMAX= 9.24. SK= .000]
03257+ R0801:00019-----Dtnin-ID:INHYD---AREAh-QPEAKms-TpeakDate_hh:mm:--RVm-R.C.--DWFcms
03258+ [IMPERF: 55:TIME=100.0]
03259+ [LOSS= 2 CNM=100.0]
03260+ [XIMP= .50:TIME=.60]
03261+ [LOSS= 2 CNM=100.0]
03262+ [Fervious area: Iapres 4.67:SLPP=2.00:LGf= 40.:MNP=250:SCP= .0]
03263+ [Impervious area: Ialmp 1.57:SLP=1..50:LGI= 238.:MMI=013:SCI= .0]
03264+ [SMIN= 1.39. SMAX= 9.24. SK= .000]
03265+ R0801:00020-----Dtnin-ID:INHYD---AREAh-QPEAKms-TpeakDate_hh:mm:--RVm-R.C.--DWFcms
03266+ [IMPERF: 55:TIME=100.0]
03267+ [LOSS= 2 CNM=100.0]
03268+ [XIMP= .50:TIME=.60]
03269+ [LOSS= 2 CNM=100.0]
03270+ [Fervious area: Iapres 4.67:SLPP=2.00:LGf= 40.:MNP=250:SCP= .0]
03271+ [Impervious area: Ialmp 1.57:SLP=1..50:LGI= 259.:MMI=013:SCI= .0]
03272+ [SMIN= 1.39. SMAX= 9.24. SK= .000]
03273+ R0801:00022-----Dtnin-ID:INHYD---AREAh-QPEAKms-TpeakDate_hh:mm:--RVm-R.C.--DWFcms
03274+ CONTINUOUS STANDHYD 5.0 01:INF-W1 10.03 .339 1980.0830_14:00 402.83 .648 .000
03275+ [IMPERF: 60:TIME=.70]
03276+ [LOSS= 2 CNM=100.0]
03277+ [XIMP= .50:TIME=.60]
03278+ [Fervious area: Iapres 4.67:SLPP=2.00:LGf= 40.:MNP=250:SCP= .0]
03279+ [Impervious area: Ialmp 1.57:SLP=1..50:LGI= 260.:MMI=013:SCI= .0]
03280+ [IaREClipm 1.50: IaRECP= 6.00]
03281+ [SMIN= 1.39. SMAX= 9.24. SK= .000]
03282+ R0801:00022-----Dtnin-ID:INHYD---AREAh-QPEAKms-TpeakDate_hh:mm:--RVm-R.C.--DWFcms
03283+ CONTINUOUS STANDHYD 5.0 01:INF-W1 6.20 .197 1980.0830_14:00 377.63 .607 .000
03284+ [IMPERF: 55:TIME=1.0]
03285+ [LOSS= 2 CNM=100.0]
03286+ [Fervious area: Iapres 4.67:SLPP=2.00:LGf= 40.:MNP=250:SCP= .0]
03287+ [Impervious area: Ialmp 1.57:SLP=1..50:LGI= 203.:MMI=013:SCI= .0]
03288+ [IaREClipm 1.50: IaRECP= 6.00]
03289+ [SMIN= 1.39. SMAX= 9.24. SK= .000]
03290+ R0801:00022-----Dtnin-ID:INHYD---AREAh-QPEAKms-TpeakDate_hh:mm:--RVm-R.C.--DWFcms
03291+ CONTINUOUS STANDHYD 5.0 01:INF-W1 7.81 .277 1980.0830_14:00 417.08 .675 .000
03292+ [XIMP= .71:TIME=.81]
03293+ [IMPERF: 55:TIME=1.0]
03294+ [Fervious area: Iapres 4.67:SLPP=2.00:LGf= 40.:MNP=250:SCP= .0]
03295+ [Impervious area: Ialmp 1.57:SLP=1..50:LGI= 228.:MMI=013:SCI= .0]
03296+ [IaREClipm 1.50: IaRECP= 6.00]
03297+ [SMIN= 1.39. SMAX= 9.24. SK= .000]
03298+ R0801:00024-----Dtnin-ID:INHYD---AREAh-QPEAKms-TpeakDate_hh:mm:--RVm-R.C.--DWFcms
03299+ ADD HYD
03300+ + 5.0 02:INF-W2 8.51 .251 1980.0830_14:00 358.25 n/a .000
03301+ + 5.0 02:INF-W3 10.03 .339 1980.0830_14:00 402.83 n/a .000
03302+ + 5.0 02:INF-W4 10.11 .325 1980.0830_14:00 385.99 n/a .000
03303+ + 5.0 02:INF-W5 6.20 .197 1980.0830_14:00 377.63 n/a .000
03304+ + 5.0 02:INF-W6 7.81 .277 1980.0830_14:00 417.08 n/a .000
03305+ SMW 5.0 01:INF-BCD-PH 48.42 1.570 1980.0830_14:00 387.19 n/a .000
03306+ ***** BARRHAVEN CONSERVANCY DEVELOPMENT PHASE 3 WITHOUT INFILTRATION
03307+ # CONTINUOUS RAINFALL DATA
03308+ ***** END OF RUN : 80

03311+ ***** END OF RUN : 80

03312+ ***** END OF RUN : 80

03313+ ***** END OF RUN : 80

03314+ ***** END OF RUN : 80

03315+ ***** END OF RUN : 80

03316+ ***** END OF RUN : 80

03317+ RUN:#COMMAND#
03318+ R0801:00001-----Dtnin-ID:INHYD---AREAh-QPEAKms-TpeakDate_hh:mm:--RVm-R.C.--DWFcms
03319+ ***** BARRHAVEN CONSERVANCY DEVELOPMENT PHASE 3 WITHOUT INFILTRATION
03320+ ***** END OF RUN : 80

03321+ [TZERO = .00 hrs on 19801001]
03322+ [METOUT= 2 (Imperial, 2=metric output)]
03323+ [NRUNS = 0881]
03324+ [INSTRNO = 1]
03325+ # SWMMO Ver15.02/Jan 2001 [BETA] / INPUT DATA FILE
03326+ ***** Project Name: Barrhaven Conservancy Development
03327+ ***** Modeler : J.Burnett, P.Eng.
03328+ ***** Company : J.F. Sabourin and Associates
03329+ ***** License : 1.2882634
03330+ ***** R0801:00002-----Dtnin-ID:INHYD---AREAh-QPEAKms-TpeakDate_hh:mm:--RVm-R.C.--DWFcms
03331+ ***** Ottawa International Airport (1967 - 2003)
03332+ R0801:00002-----Dtnin-ID:INHYD---AREAh-QPEAKms-TpeakDate_hh:mm:--RVm-R.C.--DWFcms
03333+ # READ DATA
03334+ # FILENAME = YOM_1967_2007.123
03335+ # START_DATE= 1981.0101: End_DATE= 1981.1231]
03336+ # (DT= 60: min: Length= 8760 hrs: MetHrs= 464: DryHrs= 8119: PTOT= 936.40)
03337+ # Maximum rainfall intensities over 1 hr
03338+ # Number of rainfall events per following interevent time
03339+ # 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
03340+ # 24 hrs 36 hrs 48 hrs 72 hrs 96 hrs 120 hrs 144 hrs 168 hrs 240 hrs
03341+ # 264 hrs 336 hrs 408 hrs 480 hrs 552 hrs 624 hrs 704 hrs 784 hrs 864 hrs
03342+ # Number of events with at least the following durations
03343+ # 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
03344+ # 24 hrs 36 hrs 48 hrs 72 hrs 96 hrs 120 hrs 144 hrs 168 hrs 240 hrs
03345+ # 256 hrs 336 hrs 408 hrs 480 hrs 552 hrs 624 hrs 704 hrs 784 hrs 864 hrs
03346+ # 288 hrs 384 hrs 464 hrs 544 hrs 624 hrs 704 hrs 784 hrs 864 hrs
03347+ # LID for Outlet W1 (14 catchbasins, 30 m long trench each)
03348+ # Assumed 420 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
03349+ # Soil infiltration rates assumed at 8mm/hr with a safety factor of 2.5
03350+ # Soil infiltration rates assumed at 8mm/hr with a safety factor of 2.5
03351+ R0801:00005-----Dtnin-ID:INHYD---AREAh-QPEAKms-TpeakDate_hh:mm:--RVm-R.C.--DWFcms
03352+ CONTINUOUS STANDHYD 5.0 01:INF-W1 5.76 .181 1981.0803_21:00 464.51 .496 .000
03353+ [IMPEF: 55:TIME=.66]
03354+ [LOSS= 2 CNM=100.0]
03355+ [Fervious area: Iapres 4.67:SLPP=2.00:LGf= 40.:MNP=250:SCP= .0]
03356+ [Impervious area: Ialmp 1.57:SLP=1..50:LGI= 238.:MMI=013:SCI= .0]
03357+ R0801:00006-----Dtnin-ID:INHYD---AREAh-QPEAKms-TpeakDate_hh:mm:--RVm-R.C.--DWFcms
03358+ CONTINUOUS STANDHYD 5.0 01:INF-W1 8.51 .812 1981.0803_21:00 464.51 .496 .000
03359+ [IMPERF: 55:TIME=.66]
03360+ [LOSS= 2 CNM=100.0]
03361+ [ROUTE RESERVOIR > 5.0 02:INF-W2 1.64 .001 1981.0202_12:30 464.52 n/a .000
03362+ [ROUTE RESERVOIR > 5.0 02:INF-W3 2.08 .001 1981.0202_12:30 550.50 n/a .000
03363+ [ROUTE RESERVOIR > 5.0 02:INF-W4 2.08 .001 1981.0202_12:30 550.50 n/a .000
03364+ [ROUTE RESERVOIR > 5.0 02:INF-W5 2.08 .001 1981.0202_12:30 550.50 n/a .000
03365+ [ROUTE RESERVOIR > 5.0 02:INF-W6 2.08 .001 1981.0202_12:30 550.50 n/a .000
03366+ [ROUTE RESERVOIR > 5.0 02:INF-W7 2.08 .001 1981.0202_12:30 550.50 n/a .000
03367+ # LID for Outlet W3 (28 catchbasins, 30 m long trench each)
03368+ # Assumed 480 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
03369+ # Soil infiltration rates assumed at 8mm/hr with a safety factor of 2.5
03370+ # Soil infiltration rates assumed at 8mm/hr with a safety factor of 2.5
03371+ R0801:00009-----Dtnin-ID:INHYD---AREAh-QPEAKms-TpeakDate_hh:mm:--RVm-R.C.--DWFcms
03372+ ROUTE RESERVOIR > 5.0 02:INF-W2 1.64 .001 1981.0202_12:30 464.52 n/a .000
03373+ [ROUTE RESERVOIR > 5.0 01:INF-W1 1.11 .001 1981.0202_12:30 464.52 n/a .000
03374+ [ROUTE RESERVOIR > 5.0 01:INF-W2 1.64 .528 1981.0803_21:00 494.90 n/a .000
03375+ [ROUTE RESERVOIR > 5.0 01:INF-W3 2.08 .001 1981.0202_12:30 550.50 n/a .000
03376+ [ROUTE RESERVOIR > 5.0 01:INF-W4 2.08 .001 1981.0202_12:30 550.50 n/a .000
03377+ R0801:00010-----Dtnin-ID:INHYD---AREAh-QPEAKms-TpeakDate_hh:mm:--RVm-R.C.--DWFcms
03378+ CONTINUOUS STANDHYD 5.0 01:INF-W1 10.03 .969 1981.0803_21:00 555.00 .593 .000
03379+ [IMPEF: 67:TIME=.76]
03380+ [LOSS= 2 CNM=100.0]
03381+ [Fervious area: Iapres 4.67:SLPP=2.00:LGf= 40.:MNP=250:SCP= .0]
03382+ [Impervious area: Ialmp 1.57:SLP=1..50:LGI= 239.:MMI=013:SCI= .0]
03383+ R0801:00010-----Dtnin-ID:INHYD---AREAh-QPEAKms-TpeakDate_hh:mm:--RVm-R.C.--DWFcms
03384+ CONTINUOUS STANDHYD 5.0 01:INF-W1 8.51 .812 1981.0803_21:00 464.51 .496 .000
03385+ [IMPERF: 67:TIME=.76]
03386+ [LOSS= 2 CNM=100.0]
03387+ [ROUTE RESERVOIR > 5.0 02:INF-W2 1.64 .001 1981.0202_12:30 464.52 n/a .000
03388+ [ROUTE RESERVOIR > 5.0 02:INF-W3 2.08 .001 1981.0202_12:30 550.50 n/a .000
03389+ [ROUTE RESERVOIR > 5.0 02:INF-W4 2.08 .001 1981.0202_12:30 550.50 n/a .000
03390+ [ROUTE RESERVOIR > 5.0 02:INF-W5 2.08 .001 1981.0202_12:30 550.50 n/a .000
03391+ [ROUTE RESERVOIR > 5.0 02:INF-W6 2.08 .001 1981.0202_12:30 550.50 n/a .000
03392+ [ROUTE RESERVOIR > 5.0 02:INF-W7 2.08 .001 1981.0202_12:30 550.50 n/a .000
03393+ # LID for Outlet W4 (27 catchbasins, 30 m long trench each)
03394+ # Assumed 480 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
03395+ # Soil infiltration rates assumed at 8mm/hr with a safety factor of 2.5
03396+ # Soil infiltration rates assumed at 8mm/hr with a safety factor of 2.5
03397+ R0801:00012-----Dtnin-ID:INHYD---AREAh-QPEAKms-TpeakDate_hh:mm:--RVm-R.C.--DWFcms
03398+ CONTINUOUS STANDHYD 5.0 01:INF-W1 8.51 .812 1981.0803_21:00 464.51 .496 .000
03399+ [IMPERF: 67:TIME=.76]
03400+ [LOSS= 2 CNM=100.0]
03401+ # LID for Outlet W5 (14 catchbasins, 30 m long trench each)
03402+ # Assumed 420 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
03403+ # Soil infiltration rates assumed at 8mm/hr with a safety factor of 2.5
03404+ # Soil infiltration rates assumed at 8mm/hr with a safety factor of 2.5
03405+ R0801:00013-----Dtnin-ID:INHYD---AREAh-QPEAKms-TpeakDate_hh:mm:--RVm-R.C.--DWFcms
03406+ ROUTE RESERVOIR > 5.0 02:INF-W2 1.64 .001 1981.0202_12:30 464.52 n/a .000
03407+ [ROUTE RESERVOIR > 5.0 01:INF-W1 1.11 .001 1981.0202_12:30 464.52 n/a .000
03408+ [ROUTE RESERVOIR > 5.0 01:INF-W2 1.64 .528 1981.0803_21:00 494.90 n/a .000
03409+ [ROUTE RESERVOIR > 5.0 01:INF-W3 2.08 .001 1981.0202_12:30 550.50 n/a .000
03410+ [ROUTE RESERVOIR > 5.0 01:INF-W4 2.08 .001 1981.0202_12:30 550.50 n/a .000
03411+ CONTINUOUS STANDHYD 5.0 01:INF-W1 10.11 .968 1981.0803_21:00 521.27 .557 .000
03412+ [IMPERF: 60:TIME=.70]
03413+ [LOSS= 2 CNM=100.0]
03414+ [Fervious area: Iapres 4.67:SLPP=2.00:LGf= 40.:MNP=250:SCP= .0]
03415+ [Impervious area: Ialmp 1.57:SLP=1..50:LGI= 260.:MMI=013:SCI= .0]
03416+ R0801:00014-----Dtnin-ID:INHYD---AREAh-QPEAKms-TpeakDate_hh:mm:--RVm-R.C.--DWFcms
03417+ CONTINUOUS STANDHYD 5.0 01:INF-W1 10.34 .968 1981.0803_21:00 521.27 .557 .000
03418+ [IMPERF: 60:TIME=.70]
03419+ [LOSS= 2 CNM=100.0]
03420+ [Fervious area: Iapres 4.67:SLPP=2.00:LGf= 40.:MNP=250:SCP= .0]
03421+ # Soil infiltration rate assumed at 8mm/hr with a safety factor of 2.5
03422+ ROUTE RESERVOIR > 5.0 02:INF-W2 1.64 .001 1981.0202_12:30 464.52 n/a .000
03423+ [ROUTE RESERVOIR > 5.0 01:INF-W1 1.11 .001 1981.0202_12:30 464.52 n/a .000
03424+ [ROUTE RESERVOIR > 5.0 01:INF-W2 1.64 .528 1981.0803_21:00 494.90 n/a .000
03425+ [ROUTE RESERVOIR > 5.0 01:INF-W3 2.08 .001 1981.0202_12:30 550.50 n/a .000
03426+ [ROUTE RESERVOIR > 5.0 01:INF-W4 2.08 .001 1981.0202_12:30 550.50 n/a .000
03427+ R0801:00012-----Dtnin-ID:INHYD---AREAh-QPEAKms-TpeakDate_hh:mm:--RVm-R.C.--DWFcms
03428+ CONTINUOUS STANDHYD 5.0 01:INF-W1 6.20 .594 1981.0803_21:00 504.21 .538 .000
03429+ [IMPERF: 60:TIME=.70]
03430+ [LOSS= 2 CNM=100.0]
03431+ [Fervious area: Iapres 4.67:SLPP=2.00:LGf= 40.:MNP=250:SCP= .0]
03432+ [Impervious area: Ialmp 1.57:SLP=1..50:LGI= 228.:MMI=013:SCI= .0]
03433+ R0801:00013-----Dtnin-ID:INHYD---AREAh-QPEAKms-TpeakDate_hh:mm:--RVm-R.C.--DWFcms
03434+ CONTINUOUS STANDHYD 5.0 01:INF-W1 6.20 .594 1981.0803_21:00 504.21 .538 .000
03435+ [IMPERF: 60:TIME=.70]
03436+ [ROUTE RESERVOIR > 5.0 02:INF-W2 1.64 .001 1981.0202_12:30 464.52 n/a .000
03437+ [ROUTE RESERVOIR > 5.0 01:INF-W1 1.11 .001 1981.0202_12:30 464.52 n/a .000
03438+ [ROUTE RESERVOIR > 5.0 02:INF-W2 1.64 .528 1981.0803_21:00 494.90 n/a .000
03439+ [ROUTE RESERVOIR > 5.0 02:INF-W3 2.08 .001 1981.0202_12:30 550.50 n/a .000
03440+ [ROUTE RESERVOIR > 5.0 02:INF-W4 2.08 .001 1981.0202_12:30 550.50 n/a .000
03441+ [ROUTE RESERVOIR > 5.0 02:INF-W5 2.08 .001 1981.0202_12:30 550.50 n/a .000
03442+ [ROUTE RESERVOIR > 5.0 02:INF-W6 2.08 .001 1981.0202_12:30 550.50 n/a .000
03443+ [ROUTE RESERVOIR > 5.0 02:INF-W7 2.08 .001 1981.0202_12:30 550.50 n/a .000
03444+ # LID for Outlet W6 (28 catchbasins, 30 m long trench each)
03445+ # Assumed 480 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
03446+ # Soil infiltration rates assumed at 8mm/hr with a safety factor of 2.5
03447+ # Soil infiltration rates assumed at 8mm/hr with a safety factor of 2.5
03448+ R0801:00014-----Dtnin-ID:INHYD---AREAh-QPEAKms-TpeakDate_hh:mm:--RVm-R.C.--DWFcms
03449+ ROUTE RESERVOIR > 5.0 02:INF-W2 1.64 .001 1981.0202_12:30 464.52 n/a .000
03450+ [ROUTE RESERVOIR > 5.0 01:INF-W1 1.11 .001 1981.0202_12:30 464.52 n/a .000
03451+ [ROUTE RESERVOIR > 5.0 02:INF-W2 1.64 .528 1981.0803_21:00 494.90 n/a .000
03452+ [ROUTE RESERVOIR > 5.0 02:INF-W3 2.08 .001 1981.0202_12:30 550.50 n/a .000
03453+ [ROUTE RESERVOIR > 5.0 02:INF-W4 2.08 .001 1981.0202_12:30 550.50 n/a .000
03454+ [ROUTE RESERVOIR > 5.0 02:INF-W5 2.08 .001 1981.0202_12:30 550.50 n/a .000
03455+ [ROUTE RESERVOIR > 5.0 02:INF-W6 2.08 .001 1981.0202_12:30 550.50 n/a .000
03456+ R0801:00015-----Dtnin-ID:INHYD---AREAh-QPEAKms-TpeakDate_hh:mm:--RVm-R.C.--DWFcms
03457+ CONTINUOUS STANDHYD 5.0 01:INF-W1 10.3 .976 1981.0803_21:00 582.16 .622 .000
03458+ [IMPERF: 66:TIME=.76]
03459+ [LOSS= 2 CNM=100.0]
03460+ [Fervious area: Iapres 4.67:SLPP=2.00:LGf= 40.:MNP=250:SCP= .0]
03461+ [Impervious area: Ialmp 1.57:SLP=1..50:LGI= 238.:MMI=013:SCI= .0]
03462+ R0801:00016-----Dtnin-ID:INHYD---AREAh-QPEAKms-TpeakDate_hh:mm:--RVm-R.C.--DWFcms
03463+ CONTINUOUS STANDHYD 5.0 01:INF-W1 8.51 .812 1981.0803_21:00 582.16 .622 .000
03464+ [IMPERF: 66:TIME=.76]
03465+ [ROUTE RESERVOIR > 5.0 02:INF-W2 1.64 .001 1981.0202_12:30 464.52 n/a .000
03466+ [ROUTE RESERVOIR > 5.0 01:INF-W1 1.11 .001 1981.0202_12:30 464.52 n/a .000
03467+ [ROUTE RESERVOIR > 5.0 02:INF-W2 1.64 .528 1981.0803_21:00 494.90 n/a .000
03468+ [ROUTE RESERVOIR > 5.0 02:INF-W3 2.08 .001 1981.0202_12:30 550.50 n/a .000
03469+ [ROUTE RESERVOIR > 5.0 02:INF-W4 2.08 .001 1981.0202_12:30 550.50 n/a .000
03470+ [ROUTE RESERVOIR > 5.0 02:INF-W5 2.08 .001 1981.0202_12:30 550.50 n/a .000
03471+ [ROUTE RESERVOIR > 5.0 02:INF-W6 2.08 .001 1981.0202_12:30 550.50 n/a .000
03472+ [ROUTE RESERVOIR > 5.0 02:INF-W7 2.08 .001 1981.0202_12:30 550.50 n/a .000
03473+ # LID for Outlet W7 (28 catchbasins, 30 m long trench each)
03474+ # Assumed 480 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
03475+ # Soil infiltration rates assumed at 8mm/hr with a safety factor of 2.5
03476+ # Soil infiltration rates assumed at 8mm/hr with a safety factor of 2.5
03477+ R0801:00017-----Dtnin-ID:INHYD---AREAh-QPEAKms-TpeakDate_hh:mm:--RVm-R.C.--DWFcms
03478+ BARRHAVEN CONSERVANCY DEVELOPMENT Phase 3 (WITHOUT INFILTRATION - POST DEVELOPMENT CONDITIONS
03479+ ***** BARRHAVEN CONSERVANCY DEVELOPMENT Phase 3 (WITHOUT INFILTRATION - POST DEVELOPMENT CONDITIONS
03480+ # Set infiltration to 0 (CN = 99.99) for water balance analysis
03481+ R0801:00018-----Dtnin-ID:INHYD---AREAh-QPEAKms-TpeakDate_hh:mm:--RVm-R.C.--DWFcms
03482+ CONTINUOUS STANDHYD 5.0 01:INF-W1 8.51 .560 1981.0803_21:00 582.16 .622 .000
03483+ [IMPERF: 55:TIME=.66]
03484+ [LOSS= 2 CNM=100.0]
03485+ [Fervious area: Iapres 4.67:SLPP=2.00:LGf= 40.:MNP=250:SCP= .0]
03486+ [Impervious area: Ialmp 1.57:SLP=1..50:LGI= 238.:MMI=013:SCI= .0]
03487+ R0801:00019-----Dtnin-ID:INHYD---AREAh-QPEAKms-TpeakDate_hh:mm:--RVm-R.C.--DWFcms
03488+ CONTINUOUS STANDHYD 5.0 01:INF-W1 8.51 .824 1981.0803_21:00 582.16 .622 .000
03489+ [IMPERF: 55:TIME=.66]
03490+ [ROUTE RESERVOIR > 5.0 02:INF-W2 1.64 .001 1981.0202_12:30 464.52 n/a .000
03491+ [ROUTE RESERVOIR > 5.0 01:INF-W1 1.11 .001 1981.0202_12:30 464.52 n/a .000
03492+ [ROUTE RESERVOIR > 5.0 02:INF-W2 1.64 .528 1981.0803_21:00 494.90 n/a .000
03493+ [ROUTE RESERVOIR > 5.0 02:INF-W3 2.08 .001 1981.0202_12:30 550.50 n/a .000
03494+ [ROUTE RESERVOIR > 5.0 02:INF-W4 2.08 .001 1981.0202_12:30 550.50 n/a .000
03495+ [ROUTE RESERVOIR > 5.0 02:INF-W5 2.08 .001 1981.0202_12:30 550.50 n/a .000
03496+ [ROUTE RESER

03601# Total Volume provided by LID = 96 m³

03602# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5

03603# ROB082:00000-----Dtnin-ID:INHYD---AREAh-QPEAKms-TpeakData_hh:mm---Rvnm-R.C.--DWFcms

03604# ROUTE RESERVOIR > 5.0 02:W1 5.76 .185 1982.0801_19:00 277.52 n/a .000

03605# out <= 5.0 01:W1-LID 1.58 .001 1982.0311_11:15 277.52 n/a .000

03606# overflow <= 5.0 01:W1-LID-Out 2.01 .185 1982.0801_19:00 277.52 n/a .000

03607# (MActCoade-.9398E-02 m₃) TotVolVols-.1161E+01 m₃, N-Owfr=.125, TotTurfrv=.182, hrs)

03608# ROB082:00006-----Dtnin-ID:INHYD---AREAh-QPEAKms-TpeakData_hh:mm---Rvnm-R.C.--DWFcms

03609# CONTINUOUS STANDBY 5.0 01:W1 8.51 .249 1982.0801_19:00 255.70 .429 .000

03610# (XMEP=.501TME=.60)

03611# (LOGS= 2 CIN= 71.0)

03612# [Previous] area: Iapres: 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .01

03613# [Impervious area: Ialimp: 1.57:SLP1= .50:LGI= 238.:MMI=.013:SCI= .01]

03614# [IaEClipm: 1.50: iARECper= 6.00]

03615# (SMIN= 41..38 SMAX=275.84: SK= .030)

03616# # LID for Outlet Wd (19 catchbasins, 30 m long trench each)

03617# Assumes 570 m long trench, 1.25 m wide, porosity of 0.40 with 250 mm diameter perforated pipe

03618# Total Volume provided by LID = 1.31 m³

03619# (LOGS= 2 CIN= 71.0)

03620# [Previous] area: Iapres: 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .01

03621# [Impervious area: Ialimp: 1.57:SLP1= .50:LGI= 238.:MMI=.013:SCI= .01]

03622# (SMIN= 41..38 SMAX=275.84: SK= .030)

03623# # LID for Outlet Wd (19 catchbasins, 30 m long trench each)

03624# Assumes 570 m long trench, 1.25 m wide, porosity of 0.40 with 250 mm diameter perforated pipe

03625# Total Volume provided by LID = 1.31 m³

03626# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5

03627# ROB082:00007-----Dtnin-ID:INHYD---AREAh-QPEAKms-TpeakData_hh:mm---Rvnm-R.C.--DWFcms

03628# ROUTE RESERVOIR > 5.0 02:W2 8.51 .249 1982.0801_19:00 255.70 n/a .000

03629# out <= 5.0 01:W2-LID 2.01 .185 1982.0801_19:00 255.70 n/a .000

03630# overflow <= 5.0 01:W2-LID-Out 4.16 .246 1982.0801_19:00 255.70 n/a .000

03631# (MActCoade-.1398E-02 m₃) TotVolVols-.1574E+01 m₃, N-Owfr=.126, TotTurfrv=.182, hrs)

03632# ROB082:00008-----Dtnin-ID:INHYD---AREAh-QPEAKms-TpeakData_hh:mm---Rvnm-R.C.--DWFcms

03633# CONTINUOUS STANDBY 5.0 01:W2 10.03 .378 1982.0801_19:00 328.88 .442 .000

03634# (XMEP=.661TME=.76)

03635# # LID for Outlet Wd (16 catchbasins, 30 m long trench each)

03636# Assumes 540 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe

03637# Total Volume provided by LID = 1.86 m³

03638# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5

03639# ROB082:00009-----Dtnin-ID:INHYD---AREAh-QPEAKms-TpeakData_hh:mm---Rvnm-R.C.--DWFcms

03640# ROUTE RESERVOIR > 5.0 02:W3 10.03 .378 1982.0801_19:00 328.88 n/a .000

03641# out <= 5.0 01:W3-LID 2.01 .185 1982.0311_11:15 328.88 n/a .000

03642# overflow <= 5.0 01:W3-LID-Out 7.23 .373 1982.0801_19:00 328.88 n/a .000

03643# (MActCoade-.1398E-02 m₃) TotVolVols-.2325E+01 m₃, N-Owfr=.126, TotTurfrv=.182, hrs)

03644# ROB082:00010-----Dtnin-ID:INHYD---AREAh-QPEAKms-TpeakData_hh:mm---Rvnm-R.C.--DWFcms

03645# CONTINUOUS STANDBY 5.0 01:W3 10.11 .349 1982.0801_19:00 297.60 .499 .000

03646# (XMEP=.551TME=.66)

03647# # LID for Outlet Wd (16 catchbasins, 30 m long trench each)

03648# Assumes 540 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe

03649# Total Volume provided by LID = 1.86 m³

03650# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5

03651# ROB082:00011-----Dtnin-ID:INHYD---AREAh-QPEAKms-TpeakData_hh:mm---Rvnm-R.C.--DWFcms

03652# ROUTE RESERVOIR > 5.0 02:W4 10.11 .349 1982.0801_19:00 297.60 n/a .000

03653# out <= 5.0 01:W4-LID 2.01 .185 1982.0311_11:15 297.60 n/a .000

03654# overflow <= 5.0 01:W4-LID-Out 4.16 .119 1983.1005_15:00 268.59 n/a .000

03655# (MActCoade-.9398E-02 m₃) TotVolVols-.1161E+01 m₃, N-Owfr=.125, TotTurfrv=.182, hrs)

03656# ROB082:00012-----Dtnin-ID:INHYD---AREAh-QPEAKms-TpeakData_hh:mm---Rvnm-R.C.--DWFcms

03657# CONTINUOUS STANDBY 5.0 01:W4 6.20 .205 1982.0801_19:00 285.01 .478 .000

03658# (XMEP=.551TME=.67)

03659# # LID for Outlet Wd (16 catchbasins, 30 m long trench each)

03660# Assumes 540 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe

03661# Total Volume provided by LID = 1.86 m³

03662# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5

03663# ROB082:00013-----Dtnin-ID:INHYD---AREAh-QPEAKms-TpeakData_hh:mm---Rvnm-R.C.--DWFcms

03664# ROUTE RESERVOIR > 5.0 02:W5 10.11 .349 1982.0801_19:00 297.60 n/a .000

03665# out <= 5.0 01:W5-LID 2.01 .185 1982.0311_11:15 297.60 n/a .000

03666# overflow <= 5.0 01:W5-LID-Out 4.16 .119 1983.1005_15:00 268.59 n/a .000

03667# (MActCoade-.9398E-02 m₃) TotVolVols-.1161E+01 m₃, N-Owfr=.125, TotTurfrv=.182, hrs)

03668# ROB082:00014-----Dtnin-ID:INHYD---AREAh-QPEAKms-TpeakData_hh:mm---Rvnm-R.C.--DWFcms

03669# CONTINUOUS STANDBY 5.0 01:W5 7.81 .316 1982.0801_19:00 344.12 .577 .000

03670# (XMEP=.71TME=.81)

03671# # LID for Outlet Wd (16 catchbasins, 30 m long trench each)

03672# Assumes 540 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe

03673# Total Volume provided by LID = 1.86 m³

03674# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5

03675# ROB082:00015-----Dtnin-ID:INHYD---AREAh-QPEAKms-TpeakData_hh:mm---Rvnm-R.C.--DWFcms

03676# ROUTE RESERVOIR > 5.0 02:W6 7.81 .316 1982.0801_19:00 344.12 n/a .000

03677# out <= 5.0 01:W6-LID 2.01 .185 1982.0311_11:15 344.12 n/a .000

03678# overflow <= 5.0 01:W6-LID-Out 4.16 .119 1983.1005_15:00 287.18 n/a .000

03679# (MActCoade-.1398E-02 m₃) TotVolVols-.1261E+01 m₃, N-Owfr=.126, TotTurfrv=.182, hrs)

03680# ROB082:00016-----Dtnin-ID:INHYD---AREAh-QPEAKms-TpeakData_hh:mm---Rvnm-R.C.--DWFcms

03681# CONTINUOUS STANDBY 5.0 01:W6 7.81 .316 1982.0801_19:00 344.12 .577 .000

03682# (XMEP=.551TME=.67)

03683# # LID for Outlet Wd (16 catchbasins, 30 m long trench each)

03684# Assumes 540 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe

03685# Total Volume provided by LID = 1.86 m³

03686# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5

03687# ROB082:00017-----Dtnin-ID:INHYD---AREAh-QPEAKms-TpeakData_hh:mm---Rvnm-R.C.--DWFcms

03688# ROUTE RESERVOIR > 5.0 02:W7 7.81 .316 1982.0801_19:00 344.12 n/a .000

03689# out <= 5.0 01:W7-LID 2.01 .185 1982.0311_11:15 344.12 n/a .000

03690# overflow <= 5.0 01:W7-LID-Out 4.16 .119 1983.1005_15:00 287.18 n/a .000

03691# (MActCoade-.1398E-02 m₃) TotVolVols-.1261E+01 m₃, N-Owfr=.126, TotTurfrv=.182, hrs)

03692# ROB082:00018-----Dtnin-ID:INHYD---AREAh-QPEAKms-TpeakData_hh:mm---Rvnm-R.C.--DWFcms

03693# CONTINUOUS STANDBY 5.0 01:W7 7.81 .316 1982.0801_19:00 344.12 n/a .000

03694# (XMEP=.661TME=.76)

03695# # LID for Outlet Wd (16 catchbasins, 30 m long trench each)

03696# Assumes 540 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe

03697# Total Volume provided by LID = 1.86 m³

03698# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5

03699# ROB082:00019-----Dtnin-ID:INHYD---AREAh-QPEAKms-TpeakData_hh:mm---Rvnm-R.C.--DWFcms

03700# ROUTE RESERVOIR > 5.0 02:W8 7.81 .316 1982.0801_19:00 344.12 n/a .000

03701# out <= 5.0 01:W8-LID 2.01 .185 1982.0311_11:15 344.12 n/a .000

03702# overflow <= 5.0 01:W8-LID-Out 4.16 .119 1983.1005_15:00 287.18 n/a .000

03703# (MActCoade-.1398E-02 m₃) TotVolVols-.1261E+01 m₃, N-Owfr=.126, TotTurfrv=.182, hrs)

03704# ROB082:00020-----Dtnin-ID:INHYD---AREAh-QPEAKms-TpeakData_hh:mm---Rvnm-R.C.--DWFcms

03705# CONTINUOUS STANDBY 5.0 01:W8 7.81 .316 1982.0801_19:00 344.12 n/a .000

03706# (XMEP=.551TME=.67)

03707# # LID for Outlet Wd (16 catchbasins, 30 m long trench each)

03708# Assumes 540 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe

03709# Total Volume provided by LID = 1.86 m³

03710# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5

03711# ROB082:00021-----Dtnin-ID:INHYD---AREAh-QPEAKms-TpeakData_hh:mm---Rvnm-R.C.--DWFcms

03712# Set Infiltration to 0 (CN = 99.99) for water balance analysis

03713# ROB082:00022-----Dtnin-ID:INHYD---AREAh-QPEAKms-TpeakData_hh:mm---Rvnm-R.C.--DWFcms

03714# (LOGS= 2 CIN= 71.0)

03715# CONTINUOUS STANDBY 5.0 01:W9 5.76 .264 1982.0801_19:00 355.55 .596 .000

03716# (XMEP=.661TME=.81)

03717# # LID for Outlet Wd (16 catchbasins, 30 m long trench each)

03718# Assumes 540 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe

03719# Total Volume provided by LID = 1.86 m³

03720# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5

03721# ROB082:00023-----Dtnin-ID:INHYD---AREAh-QPEAKms-TpeakData_hh:mm---Rvnm-R.C.--DWFcms

03722# CONTINUOUS STANDBY 5.0 01:W9 5.76 .264 1982.0801_19:00 355.55 .596 .000

03723# (XMEP=.71TME=.81)

03724# # LID for Outlet Wd (16 catchbasins, 30 m long trench each)

03725# Assumes 540 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe

03726# Total Volume provided by LID = 1.86 m³

03727# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5

03728# ROB082:00024-----Dtnin-ID:INHYD---AREAh-QPEAKms-TpeakData_hh:mm---Rvnm-R.C.--DWFcms

03729# CONTINUOUS STANDBY 5.0 01:W9 5.76 .264 1982.0801_19:00 355.55 .596 .000

03730# (XMEP=.551TME=.67)

03731# # LID for Outlet Wd (16 catchbasins, 30 m long trench each)

03732# Assumes 540 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe

03733# Total Volume provided by LID = 1.86 m³

03734# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5

03735# ROB082:00025-----Dtnin-ID:INHYD---AREAh-QPEAKms-TpeakData_hh:mm---Rvnm-R.C.--DWFcms

03736# CONTINUOUS STANDBY 5.0 01:W9 5.76 .264 1982.0801_19:00 355.55 .596 .000

03737# (XMEP=.661TME=.81)

03738# # LID for Outlet Wd (16 catchbasins, 30 m long trench each)

03739# Assumes 540 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe

03740# Total Volume provided by LID = 1.86 m³

03741# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5

03742# ROB082:00026-----Dtnin-ID:INHYD---AREAh-QPEAKms-TpeakData_hh:mm---Rvnm-R.C.--DWFcms

03743# CONTINUOUS STANDBY 5.0 01:W9 5.76 .264 1982.0801_19:00 355.55 .596 .000

03744# (XMEP=.71TME=.81)

03745# # LID for Outlet Wd (16 catchbasins, 30 m long trench each)

03746# Assumes 540 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe

03747# Total Volume provided by LID = 1.86 m³

03748# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5

03749# ROB082:00027-----Dtnin-ID:INHYD---AREAh-QPEAKms-TpeakData_hh:mm---Rvnm-R.C.--DWFcms

03750# CONTINUOUS STANDBY 5.0 01:W9 5.76 .264 1982.0801_19:00 355.55 .596 .000

03751# (XMEP=.661TME=.81)

03752# # LID for Outlet Wd (16 catchbasins, 30 m long trench each)

03753# Assumes 540 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe

03754# Total Volume provided by LID = 1.86 m³

03755# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5

03756# ROB082:00028-----Dtnin-ID:INHYD---AREAh-QPEAKms-TpeakData_hh:mm---Rvnm-R.C.--DWFcms

03757# CONTINUOUS STANDBY 5.0 01:W9 5.76 .264 1982.0801_19:00 355.55 .596 .000

03758# (XMEP=.71TME=.81)

03759# # LID for Outlet Wd (16 catchbasins, 30 m long trench each)

03760# Assumes 540 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe

03761# Total Volume provided by LID = 1.86 m³

03762# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5

03763# ROB082:00029-----Dtnin-ID:INHYD---AREAh-QPEAKms-TpeakData_hh:mm---Rvnm-R.C.--DWFcms

03764# CONTINUOUS STANDBY 5.0 01:W9 5.76 .264 1982.0801_19:00 355.55 .596 .000

03765# (XMEP=.661TME=.81)

03766# # LID for Outlet Wd (16 catchbasins, 30 m long trench each)

03767# Assumes 540 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe

03768# Total Volume provided by LID = 1.86 m³

03769# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5

03770# ROB082:00030-----Dtnin-ID:INHYD---AREAh-QPEAKms-TpeakData_hh:mm---Rvnm-R.C.--DWFcms

03771# CONTINUOUS RAINFALL DATA

03772# *****

03773# END DEV 0

03774# *****

03775# *****

03776# *****

03777# *****

03778# *****

03779# *****

03780# *****

03961: [SMN= 1.39; SMAX= 9.24; SK= .000] ---ARAhA-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.---DWFcms
 03962: R0081c00012-->Dtnm-ID:NYND---ARAhA-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.---DWFcms
 03963: CONTINUOUS STANDHYD 5.0 01:INF-W3 [XIMP= 66.6TIME=.76] .0 01:INF-W3 .268 1983.1.005_15:00 366.59 .624 .000
 03964: [LOGS= 2 :CN=100.0] .0
 03965: [Pervious area]: IApers= 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0] .0
 03966: [Impervious area]: IApers= 4.57:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0] .0
 03967: [Impervious area]: IApers= 4.57:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0] .0
 03968: [IaEClipm= 1.50; IaRCPers= 6.00] .0
 03969: # LD for Outlet W3 (14 catchbasins, 30 m long trench each) .0
 03970: R0081c00013-->Dtnm-ID:NYND---ARAhA-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.---DWFcms
 03971: CONTINUOUS STANDHYD 5.0 01:INF-W4 10.11 .268 1983.1.005_15:00 342.14 .582 .000
 03972: [LOGS= 2 :CN=100.0] .0
 03973: [Pervious area]: IApers= 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0] .0
 03974: [Impervious area]: IApers= 4.57:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0] .0
 03975: [Impervious area]: IApers= 4.57:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0] .0
 03976: [Impervious area]: IApers= 4.57:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0] .0
 03977: [SMN= 1.39; SMAX= 9.24; SK= .000] .0
 03978: R0081c00014-->Dtnm-ID:NYND---ARAhA-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.---DWFcms
 03979: CONTINUOUS STANDHYD 5.0 01:INF-W5 6.20 .164 1983.1.005_15:00 380.42 .648 .000
 03980: [XIMP= .57:TIME=.67] .0
 03981: [LOGS= 2 :CN=100.0] .0
 03982: [Pervious area]: IApers= 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0] .0
 03983: [Impervious area]: IApers= 4.57:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0] .0
 03984: [IaEClipm= 1.50; IaRCPers= 6.00] .0
 03985: [SMN= 1.39; SMAX= 9.24; SK= .000] .0
 03986: R0081c00023-->Dtnm-ID:NYND---ARAhA-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.---DWFcms
 03987: CONTINUOUS STANDHYD 5.0 01:INF-W6 7.81 .211 1983.1.005_15:00 380.42 .648 .000
 03988: [LOGS= 2 :CN=100.0] .0
 03989: [Pervious area]: IApers= 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0] .0
 03990: [Impervious area]: IApers= 4.57:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0] .0
 03991: [Impervious area]: IApers= 4.57:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0] .0
 03992: [IaEClipm= 1.50; IaRCPers= 6.00] .0
 03993: [SMN= 1.39; SMAX= 9.24; SK= .000] .0
 03994: R0081c00024-->Dtnm-ID:NYND---ARAhA-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.---DWFcms
 03995: ADD HYD 5.0 02:INF-W1 5.76 .153 1983.1.005_15:00 339.17 .584 .000
 03996: + 5.0 02:INF-W2 8.55 .222 1983.1.005_15:00 323.35 n/a .000
 03997: + 5.0 02:INF-W3 10.01 .268 1983.1.005_15:00 366.59 n/a .000
 03998: + 5.0 02:INF-W4 10.11 .268 1983.1.005_15:00 342.14 n/a .000
 03999: + 5.0 02:INF-W5 6.20 .164 1983.1.005_15:00 380.42 n/a .000
 04000: + 5.0 02:INF-W6 7.81 .211 1983.1.005_15:00 380.42 n/a .000
 04001: SUM= 49.42 1.000 .000
 04002: ##### RAINFALL DATA #####
 04003: ##### CONTINUOUS RAINFALL DATA #####
 04004: ##### END RUN : 83 #####
 04005: # ***** RAINFALL DATA *****
 04006: # ***** CONTINUOUS RAINFALL DATA *****
 04007: # ***** END OF RUN *****
 04008: # ***** RAINFALL DATA *****
 04009: # ***** CONTINUOUS RAINFALL DATA *****
 04010: # ***** END OF RUN *****
 04011: # ***** RAINFALL DATA *****
 04012: # ***** CONTINUOUS RAINFALL DATA *****
 04013: RUNH=COMMAND#
 04014: R0084c0001-->Dtnm-ID:NYND---ARAhA-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.---DWFcms
 04015: START .000 hrs on 1980401011
 04016: [METOUT= 2 :CN=100.0] (1=Imperial, 2=Metric output)
 04017: [NESTORM= 0]
 04018: [TIME= 0]
 04019: [LOG= 2 :CN=100.0] .0
 04020: # ***** SMMHYMO Ver1.02 Jan 2001 *BETA* / INPUT DATA FILE *****
 04021: # ***** Project Name: Barrhaven Conservancy Development *****
 04022: # ***** Phase 3 (WITH INFILTRATION) - POST DEVELOPMENT CONDITIONS *****
 04023: # ***** Rainfall Intensity Data *****
 04024: # Project Number: 1474
 04025: # Date: 01/2001/OCT/18
 04026: # Modeler: J. Burnett, F. Eng.
 04027: # Updated : 2024/Mar/14 [LP]
 04028: # Company : J.F. Sabourin and Associates
 04029: # Address : 1000 Barrhaven Drive, Ottawa, Ontario
 04030: # ***** SMMHYMO Ver1.02 Jan 2001 *BETA* / INPUT DATA FILE *****
 04031: # ***** Ottawa International Airport (1967 - 2003) *****
 04032: R0084c0002-->Dtnm-ID:NYND---ARAhA-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.---DWFcms
 04033: READ AES DATA [YOM=1967_2007_123] 1
 04034: [Filename = YOM_1967_2007_123] [Start= 1967-01-01] [End= 2007-12-31]
 04035: [LOG= 60:min; Length= 8760.hrs; Wethrs= 308; DryHrs= 8452; PTOT= 459.40]
 04036: Maximum average rainfall intensities over
 04037: 1 hr 9 hr 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
 04038: 17.80 9.70 12.70 22.70 31.00 44.30 51.58 1.19 1.00 mm/hr
 04039: 17.80 9.40 12.70 22.70 31.00 44.30 51.58 1.19 1.00 mm hr
 04040: 19840812 19840812 19840812 19840813 19840813 19840814 19840813 date
 04041: Number of rainfall events per following intervals
 04042: 1 hr 9 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
 04043: 98 80 55 46 40 34 26
 04044: Number of events with at least the following durations
 04045: 1 hr 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
 04046: 97 58 35 11 3 1 0 0
 04047: # ***** COMPUTE API *****
 04048: # ***** APIInit= 50.00; APITdt= 8000; APIDt= .9956;*****
 04049: # ***** APIInit= 50.00; APIDt= 8000; APITdt= .9956;*****
 04050: # ***** APIInit= 50.00; APIDt= 8000; APITdt= .9956;*****
 04051: # ***** APIInit= 50.00; APIDt= 8000; APITdt= .9956;*****
 04052: # ***** R0084c0003-->Dtnm-ID:NYND---ARAhA-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.---DWFcms *****
 04053: # ***** Barrhaven Conservancy Development, Phase 3 (WITH INFILTRATION) - POST DEVELOPMENT CONDITIONS *****
 04054: # ***** Rainfall Intensity Data *****
 04055: R0084c0004-->Dtnm-ID:NYND---ARAhA-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.---DWFcms
 04056: CONTINUOUS STANDHYD 5.0 01:W1 5.76 .184 1984.0812_7:00 224.78 .489 .000
 04057: [LOGS= 2 :CN=100.0] .0
 04058: [Pervious area]: IApers= 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0] .0
 04059: [Impervious area]: IApers= 4.57:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0] .0
 04060: [IaEClipm= 1.50; IaRCPers= 6.00] .0
 04061: [SMN= 41.38; SMAX= 275.84; SK= .000] .0
 04062: # LD for Outlet W1 (14 catchbasins, 30 m long trench each) .0
 04063: # Assumed 570 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
 04064: # Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5 .0
 04065: # Total Volume provided by LD = 96 m³ .0
 04066: # Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5 .0
 04067: # Total Volume provided by LD = 96 m³ .0
 04068: R0084c0005-->Dtnm-ID:NYND---ARAhA-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.---DWFcms
 04069: CONTINUOUS STANDHYD 5.0 01:W2 10.03 .164 1984.0812_7:00 258.62 .543 .000
 04070: [XIMP= 66.6TIME=.76] .0
 04071: [LOGS= 2 :CN=100.0] .0
 04072: [Pervious area]: IApers= 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0] .0
 04073: [Impervious area]: IApers= 4.57:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0] .0
 04074: [IaEClipm= 1.50; IaRCPers= 6.00] .0
 04075: [SMN= 41.38; SMAX= 275.84; SK= .000] .0
 04076: # LD for Outlet W2 (14 catchbasins, 30 m long trench each) .0
 04077: # Assumed 570 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
 04078: # Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5 .0
 04079: # Total Volume provided by LD = 193 m³ .0
 04080: # Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5 .0
 04081: R0084c0006-->Dtnm-ID:NYND---ARAhA-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.---DWFcms
 04082: ROUTE RESERVOIR > 5.0 02:W3 10.01 .364 1984.0812_7:00 258.62 n/a .000
 04083: out <= 5.0 01:W1-LID 1.28 .200 1984.0812_7:00 258.62 n/a .000
 04084: overlap <= 5.0 03:W2-LID-Out 1.28 .118 1984.0812_7:00 258.62 n/a .000
 04085: [MGTStoeds=.595E-02 m³, TotCovVol=.100E+01 m³, N_Owfr= 89, TotDrvRfr= 144.hrs] .0
 04086: R0084c0006-->Dtnm-ID:NYND---ARAhA-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.---DWFcms
 04087: CONTINUOUS STANDHYD 5.0 01:W3 8.51 .251 1984.0812_7:00 208.10 .453 .000
 04088: [XIMP= .57:TIME=.67] .0
 04089: # ***** COMPUTE API *****
 04090: # ***** APIInit= 50.00; APITdt= 8000; APIDt= .9956;*****
 04091: # ***** APIInit= 50.00; APIDt= 8000; APITdt= .9956;*****
 04092: # ***** APIInit= 50.00; APIDt= 8000; APITdt= .9956;*****
 04093: # ***** R0084c0007-->Dtnm-ID:NYND---ARAhA-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.---DWFcms *****
 04094: # ***** Rainfall Intensity Data *****
 04095: R0084c0008-->Dtnm-ID:NYND---ARAhA-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.---DWFcms
 04096: CONTINUOUS STANDHYD 5.0 01:W4 7.81 .238 1984.0812_7:00 224.78 .489 .000
 04097: [LOGS= 2 :CN=100.0] .0
 04098: [Pervious area]: IApers= 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0] .0
 04099: [Impervious area]: IApers= 4.57:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0] .0
 04100: [IaEClipm= 1.50; IaRCPers= 6.00] .0
 04101: [SMN= 41.38; SMAX= 275.84; SK= .000] .0
 04102: # LD for Outlet W4 (14 catchbasins, 30 m long trench each) .0
 04103: # Assumed 570 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
 04104: # Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5 .0
 04105: # Total Volume provided by LD = 186 m³ .0
 04106: R0084c0009-->Dtnm-ID:NYND---ARAhA-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.---DWFcms
 04107: ROUTE RESERVOIR > 5.0 02:W5 10.11 .340 1984.0812_7:00 239.62 .522 .000
 04108: out <= 5.0 01:W3-LID 1.28 .200 1984.0812_7:00 239.62 n/a .000
 04109: overlap <= 5.0 03:W4-LID-Out 1.28 .135 1984.0812_7:00 239.62 n/a .000
 04110: [MGTStoeds=.198E-01 m³, TotCovVol=.108E+01 m³, N_Owfr= 91, TotDrvRfr= 140.hrs] .0
 04111: R0084c0009-->Dtnm-ID:NYND---ARAhA-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.---DWFcms
 04112: CONTINUOUS STANDHYD 5.0 01:W5 8.51 .202 1984.0812_7:00 230.18 .501 .000
 04113: [LOGS= 2 :CN=100.0] .0
 04114: [Pervious area]: IApers= 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0] .0
 04115: [Impervious area]: IApers= 4.57:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0] .0
 04116: [IaEClipm= 1.50; IaRCPers= 6.00] .0
 04117: [SMN= 41.38; SMAX= 275.84; SK= .000] .0
 04118: # LD for Outlet W5 (16 catchbasins, 30 m long trench each) .0
 04119: # Assumed 810 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
 04120: # Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5 .0
 04121: # Total Volume provided by LD = 186 m³ .0
 04122: R0084c0010-->Dtnm-ID:NYND---ARAhA-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.---DWFcms
 04123: ROUTE RESERVOIR > 5.0 02:W6 10.11 .340 1984.0812_7:00 239.62 .522 .000
 04124: out <= 5.0 01:W4-LID 1.28 .200 1984.0812_7:00 239.62 n/a .000
 04125: overlap <= 5.0 03:W5-LID-Out 1.28 .135 1984.0812_7:00 239.62 n/a .000
 04126: [MGTStoeds=.198E-01 m³, TotCovVol=.108E+01 m³, N_Owfr= 91, TotDrvRfr= 140.hrs] .0
 04127: R0084c0010-->Dtnm-ID:NYND---ARAhA-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.---DWFcms
 04128: CONTINUOUS STANDHYD 5.0 01:W6 8.51 .202 1984.0812_7:00 230.18 .501 .000
 04129: [LOGS= 2 :CN=100.0] .0
 04130: [Pervious area]: IApers= 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0] .0
 04131: [Impervious area]: IApers= 4.57:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0] .0
 04132: [IaEClipm= 1.50; IaRCPers= 6.00] .0
 04133: [SMN= 41.38; SMAX= 275.84; SK= .000] .0
 04134: # LD for Outlet W6 (16 catchbasins, 30 m long trench each) .0
 04135: # Assumed 810 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
 04136: # Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5 .0
 04137: # Total Volume provided by LD = 186 m³ .0
 04138: R0084c0011-->Dtnm-ID:NYND---ARAhA-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.---DWFcms
 04139: ROUTE RESERVOIR > 5.0 02:W7 10.11 .340 1984.0812_7:00 230.18 .501 .000
 04140: out <= 5.0 01:W5-LID 1.28 .200 1984.0812_7:00 230.18 n/a .000
 04141: overlap <= 5.0 03:W6-LID-Out 1.28 .135 1984.0812_7:00 230.18 n/a .000
 04142: [MGTStoeds=.198E-01 m³, TotCovVol=.108E+01 m³, N_Owfr= 91, TotDrvRfr= 140.hrs] .0
 04143: R0084c0011-->Dtnm-ID:NYND---ARAhA-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.---DWFcms
 04144: CONTINUOUS STANDHYD 5.0 01:W7 8.51 .202 1984.0812_7:00 224.78 .489 .000
 04145: [LOGS= 2 :CN=100.0] .0
 04146: [Pervious area]: IApers= 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0] .0
 04147: [Impervious area]: IApers= 4.57:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0] .0
 04148: [IaEClipm= 1.50; IaRCPers= 6.00] .0
 04149: [SMN= 41.38; SMAX= 275.84; SK= .000] .0
 04150: # LD for Outlet W7 (16 catchbasins, 30 m long trench each) .0
 04151: # Assumed 810 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
 04152: # Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5 .0
 04153: # Total Volume provided by LD = 186 m³ .0
 04154: R0084c0012-->Dtnm-ID:NYND---ARAhA-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.---DWFcms
 04155: ROUTE RESERVOIR > 5.0 02:W8 10.11 .340 1984.0812_7:00 224.78 .489 .000
 04156: out <= 5.0 01:W6-LID 1.28 .200 1984.0812_7:00 224.78 n/a .000
 04157: overlap <= 5.0 03:W7-LID-Out 1.28 .135 1984.0812_7:00 224.78 n/a .000
 04158: [MGTStoeds=.198E-01 m³, TotCovVol=.108E+01 m³, N_Owfr= 91, TotDrvRfr= 140.hrs] .0
 04159: R0084c0012-->Dtnm-ID:NYND---ARAhA-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.---DWFcms
 04160: CONTINUOUS STANDHYD 5.0 01:W8 8.51 .202 1984.0812_7:00 224.78 .489 .000
 04161: [LOGS= 2 :CN=100.0] .0
 04162: [Pervious area]: IApers= 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0] .0
 04163: [Impervious area]: IApers= 4.57:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0] .0
 04164: [IaEClipm= 1.50; IaRCPers= 6.00] .0
 04165: [SMN= 41.38; SMAX= 275.84; SK= .000] .0
 04166: # LD for Outlet W8 (16 catchbasins, 30 m long trench each) .0
 04167: # Assumed 810 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
 04168: # Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5 .0
 04169: # Total Volume provided by LD = 186 m³ .0
 04170: R0084c0013-->Dtnm-ID:NYND---ARAhA-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.---DWFcms
 04171: ROUTE RESERVOIR > 5.0 02:W9 10.11 .340 1984.0812_7:00 224.78 .489 .000
 04172: out <= 5.0 01:W7-LID 1.28 .200 1984.0812_7:00 224.78 n/a .000
 04173: overlap <= 5.0 03:W8-LID-Out 1.28 .135 1984.0812_7:00 224.78 n/a .000
 04174: [MGTStoeds=.198E-01 m³, TotCovVol=.108E+01 m³, N_Owfr= 91, TotDrvRfr= 140.hrs] .0
 04175: R0084c0013-->Dtnm-ID:NYND---ARAhA-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.---DWFcms
 04176: CONTINUOUS STANDHYD 5.0 01:W9 8.51 .202 1984.0812_7:00 224.78 .489 .000
 04177: [LOGS= 2 :CN=100.0] .0
 04178: [Pervious area]: IApers= 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0] .0
 04179: [Impervious area]: IApers= 4.57:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0] .0
 04180: [IaEClipm= 1.50; IaRCPers= 6.00] .0
 04181: [SMN= 41.38; SMAX= 275.84; SK= .000] .0
 04182: # LD for Outlet W9 (16 catchbasins, 30 m long trench each) .0
 04183: # Assumed 810 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
 04184: # Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5 .0
 04185: # Total Volume provided by LD = 186 m³ .0
 04186: R0084c0014-->Dtnm-ID:NYND---ARAhA-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.---DWFcms
 04187: ROUTE RESERVOIR > 5.0 02:W10 10.11 .340 1984.0812_7:00 224.78 .489 .000
 04188: out <= 5.0 01:W8-LID 1.28 .200 1984.0812_7:00 224.78 n/a .000
 04189: overlap <= 5.0 03:W9-LID-Out 1.28 .135 1984.0812_7:00 224.78 n/a .000
 04190: [MGTStoeds=.198E-01 m³, TotCovVol=.108E+01 m³, N_Owfr= 91, TotDrvRfr= 140.hrs] .0
 04191: R0084c0014-->Dtnm-ID:NYND---ARAhA-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.---DWFcms
 04192: CONTINUOUS STANDHYD 5.0 01:W10 8.51 .202 1984.0812_7:00 224.78 .489 .000
 04193: [LOGS= 2 :CN=100.0] .0
 04194: [Pervious area]: IApers= 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0] .0
 04195: [Impervious area]: IApers= 4.57:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0] .0
 04196: [IaEClipm= 1.50; IaRCPers= 6.00] .0
 04197: [SMN= 41.38; SMAX= 275.84; SK= .000] .0
 04198: # LD for Outlet W10 (16 catchbasins, 30 m long trench each) .0
 04199: # Assumed 810 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
 04200: # Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5 .0
 04201: # Total Volume provided by LD = 186 m³ .0
 04202: R0084c0015-->Dtnm-ID:NYND---ARAhA-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.---DWFcms
 04203: ROUTE RESERVOIR > 5.0 02:W11 10.11 .340 1984.0812_7:00 224.78 .489 .000
 04204: out <= 5.0 01:W9-LID 1.28 .200 1984.0812_7:00 224.78 n/a .000
 04205: overlap <= 5.0 03:W10-LID-Out 1.28 .135 1984.0812_7:00 224.78 n/a .000
 04206: [MGTStoeds=.198E-01 m³, TotCovVol=.108E+01 m³, N_Owfr= 91, TotDrvRfr= 140.hrs] .0

04321# ROB085:00008----->Dmin-ID:NYDY-----ARAAh-QPEAKms-TpeakDate_hh:mm---->Rvnm-R.C.--DWFcms
CONTINUOUS STANDHY 5.0 01:W3 10.03 .363 1985.0716_14:00 318.35 .569 .000
04322# [LOGS= 2 CIN=71.0] .
04324# [Fervous area: Iapres= 4.67:SLPP=2.00:LGF= 40.:MNP=.250:SCP= .0]
04325# [Impervious area: IALimp= 1.57:SLIP= .50:LGI= 259.:MMI=.013:SCI= .0]
04327# [iRECEmp= 1.50: iAREPPer= 6.00]
04328# [SMIN= 41.38: SMAZ= 275.84: SK= .000]
04329# # Assumed 940 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
04330# # Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
04331# Total Volume provided by LID = 193 m³
04332# Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
04333# ROB085:00009----->Dmin-ID:NYDY-----ARAAh-QPEAKms-TpeakDate_hh:mm---->Rvnm-R.C.--DWFcms
ROUTE RESERVOIR -> 5.0 02:W3 10.03 .363 1985.0716_14:00 318.35 n/a .000
04334# out <= 5.0 01:W3-LID-Dut 2.27 .001 1985.0716_14:00 318.35 n/a .000
04335# overflow <= 5.0 01:W3-LID-Dut 2.16 .001 1985.0716_14:00 318.35 n/a .000
04337# (MNGtCoade_11930E-01 m3, TotConvVol=.24708E+01 m3, N-Ovr= 85, TotDurfVol= 148. hrs)
04338# ROB085:00010----->Dmin-ID:NYDY-----ARAAh-QPEAKms-TpeakDate_hh:mm---->Rvnm-R.C.--DWFcms
CONTINUOUS STANDHY 5.0 01:W4 10.11 .336 1985.0716_14:00 293.85 .525 .000
04340# (XIM=60:TIME=71)
04341# [LOSS= 2 CIN= 71.0]
04342# [Fervous area: Iapres= 4.67:SLPP=2.00:LGF= 40.:MNP=.250:SCP= .0]
04343# [Impervious area: IALimp= 1.57:SLIP= .50:LGI= 260.:MMI=.013:SCI= .0]
04344# [iRECEmp= 1.50: iAREPPer= 6.00]
04345# [SMIN= 41.38: SMAZ= 275.84: SK= .000]
04346# # LID for Outlet W4 (27 catchbasins, 30 m long trench each)
04347# # Assumed 840 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
04348# # Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
04349# Total Volume provided by LID = 193 m³
04350# ROB085:00011----->Dmin-ID:NYDY-----ARAAh-QPEAKms-TpeakDate_hh:mm---->Rvnm-R.C.--DWFcms
ROUTE RESERVOIR -> 5.0 02:W3 10.03 .363 1985.0716_14:00 293.85 n/a .000
04352# out <= 5.0 01:W3-LID-Dut 2.43 .001 1985.0722_12:30 293.85 n/a .000
04353# overflow <= 5.0 01:W3-LID-Dut 2.16 .001 1985.0722_12:30 293.85 n/a .000
04355# (MNGtCoade_11860E-01 m3, TotConvVol=.2287E+01 m3, N-Ovr= 74, TotDurfVol= 148. hrs)
04356# ROB085:00012----->Dmin-ID:NYDY-----ARAAh-QPEAKms-TpeakDate_hh:mm---->Rvnm-R.C.--DWFcms
CONTINUOUS STANDHY 5.0 01:W5 6.20 .198 1985.0716_14:00 281.60 .503 .000
04357# (XIM=57:TIME=71)
04358# [LOSS= 2 CIN= 71.0]
04359# [Fervous area: Iapres= 4.67:SLPP=2.00:LGF= 40.:MNP=.250:SCP= .0]
04360# [Impervious area: IALimp= 1.57:SLIP= .50:LGI= 203.:MMI=.013:SCI= .0]
04361# [iRECEmp= 1.50: iAREPPer= 6.00]
04362# [SMIN= 41.38: SMAZ= 275.84: SK= .000]
04363# # Lid for outlet W5 (16 catchbasins, 30 m long trench each)
04364# # Assumed 840 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
04365# # Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
04366# Total Volume provided by LID = 110 m³
04367# ROB085:00013----->Dmin-ID:NYDY-----ARAAh-QPEAKms-TpeakDate_hh:mm---->Rvnm-R.C.--DWFcms
ROUTE RESERVOIR -> 5.0 02:W3 6.20 .198 1985.0716_14:00 281.60 n/a .000
04369# out <= 5.0 01:W3-LID-Dut 1.43 .001 1985.0222_12:30 281.60 n/a .000
04370# overflow <= 5.0 01:W3-LID-Dut 1.19 .001 1985.0222_12:30 281.60 n/a .000
04371# (MNGtCoade_11808E-01 m3, TotConvVol=.2287E+01 m3, N-Ovr= 85, TotDurfVol= 148. hrs)
04372# ROB085:00014----->Dmin-ID:NYDY-----ARAAh-QPEAKms-TpeakDate_hh:mm---->Rvnm-R.C.--DWFcms
CONTINUOUS STANDHY 5.0 01:W6 7.81 .306 1985.0716_14:00 338.94 .605 .000
04374# (XIM=71:TIME=81)
04375# [LOSS= 2 CIN= 71.0]
04376# [Fervous area: Iapres= 4.67:SLPP=2.00:LGF= 40.:MNP=.250:SCP= .0]
04377# [iRECEmp= 1.50: iAREPPer= 6.00]
04378# [SMIN= 41.38: SMAZ= 275.84: SK= .000]
04379# # LID for outlet W6 (24 catchbasins, 30 m long trench each)
04380# # Assumed 840 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
04381# # Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
04382# Total Volume provided by LID = 110 m³
04383# ROB085:00015----->Dmin-ID:NYDY-----ARAAh-QPEAKms-TpeakDate_hh:mm---->Rvnm-R.C.--DWFcms
ROUTE RESERVOIR -> 5.0 02:W4 7.81 .306 1985.0716_14:00 338.94 n/a .000
04385# out <= 5.0 01:W4-LID-Dut 1.43 .001 1985.0222_12:30 338.94 n/a .000
04386# overflow <= 5.0 01:W4-LID-Dut 1.19 .001 1985.0222_12:30 338.94 n/a .000
04387# (MNGtCoade_11808E-01 m3, TotConvVol=.2287E+01 m3, N-Ovr= 85, TotDurfVol= 148. hrs)
04388# ROB085:00016----->Dmin-ID:NYDY-----ARAAh-QPEAKms-TpeakDate_hh:mm---->Rvnm-R.C.--DWFcms
CONTINUOUS STANDHY 5.0 01:W7 7.81 .306 1985.0716_14:00 338.94 n/a .000
04389# ADD HYD 5.0 02:W1 7.86 .178 1985.0716_14:00 274.48 n/a .000
04390# + 5.0 02:W2 8.51 .240 1985.0716_14:00 253.27 n/a .000
04391# + 5.0 02:W3 8.51 .240 1985.0716_14:00 253.27 n/a .000
04392# + 5.0 02:W4 8.51 .240 1985.0716_14:00 253.27 n/a .000
04393# + 5.0 02:W5 10.11 .336 1985.0716_14:00 293.85 n/a .000
04394# + 5.0 02:W6 6.21 .198 1985.0716_14:00 281.60 n/a .000
04395# + 5.0 02:W7 6.21 .198 1985.0716_14:00 281.60 n/a .000
04396# SUM 5.0 01:BCD-PHS 49.42 1.421 1985.0716_14:00 293.20 n/a .000
04397# ROB085:00017----->Dmin-ID:NYDY-----ARAAh-QPEAKms-TpeakDate_hh:mm---->Rvnm-R.C.--DWFcms
CONTINUOUS STANDHY 5.0 01:INF-1 7.81 .306 1985.0716_14:00 347.74 .621 .000
04398# ADD HYD 5.0 01:INF-1 7.81 .306 1985.0716_14:00 347.74 .621 .000
04399# + 5.0 02:W1-10D-Out 5.0 01:INF-1 7.81 .306 1985.0716_14:00 347.74 .621 .000
04400# + 5.0 02:W2-10D-Out 7.76 .254 1985.0716_14:00 318.35 n/a .000
04401# + 5.0 02:W3-10D-Out 7.78 .332 1985.0716_14:00 293.85 n/a .000
04402# + 5.0 02:W4-10D-Out 7.78 .332 1985.0716_14:00 293.85 n/a .000
04403# + 5.0 02:W5-10D-Out 6.01 .302 1985.0716_14:00 338.94 n/a .000
04404# + 5.0 02:W6-10D-Out 6.01 .302 1985.0716_14:00 338.94 n/a .000
04405# SUM 5.0 01:BCD-PHS-L1 7.42 .160 1985.0716_14:00 293.20 n/a .000
04406# ROB085:00018----->Dmin-ID:NYDY-----ARAAh-QPEAKms-TpeakDate_hh:mm---->Rvnm-R.C.--DWFcms
CONTINUOUS STANDHY 5.0 01:INF-2 7.81 .306 1985.0716_14:00 347.74 .621 .000
04407# ADD HYD 5.0 01:INF-2 7.81 .306 1985.0716_14:00 347.74 .621 .000
04408# # Barhavre Conservancy Development Phase 3 (WITHOUT INFILTRATION) - POST DEVELOPMENT CONDITIONS
04409# See Infiltration to 0 (CN = 99.99) for water balance analysis
04410# ROB085:00019----->Dmin-ID:NYDY-----ARAAh-QPEAKms-TpeakDate_hh:mm---->Rvnm-R.C.--DWFcms
CONTINUOUS STANDHY 5.0 01:INF-2 7.81 .306 1985.0716_14:00 347.74 .621 .000
04412# (XIM=55:TIME=.66)
04413# [LOGS= 2 CIN=100.0]
04414# [Fervous area: Iapres= 4.67:SLPP=2.00:LGF= 40.:MNP=.250:SCP= .0]
04415# [Impervious area: IALimp= 1.57:SLIP= .50:LGI= 196.:MMI=.013:SCI= .0]
04416# [iRECEmp= 1.50: iAREPPer= 6.00]
04417# [SMIN= 1.39: SMAZ= 275.84: SK= .000]
04418# ROB085:00020----->Dmin-ID:NYDY-----ARAAh-QPEAKms-TpeakDate_hh:mm---->Rvnm-R.C.--DWFcms
CONTINUOUS STANDHY 5.0 01:INF-3 7.81 .305 1985.0716_14:00 347.74 .621 .000
04419# ADD HYD 5.0 01:INF-3 7.81 .305 1985.0716_14:00 347.74 .621 .000
04420# + 5.0 02:W1-10D-Out 5.0 01:INF-3 7.81 .305 1985.0716_14:00 347.74 .621 .000
04421# + 5.0 02:W2-10D-Out 7.81 .305 1985.0716_14:00 347.74 .621 .000
04422# [Fervous area: Iapres= 4.67:SLPP=2.00:LGF= 40.:MNP=.250:SCP= .0]
04423# [Impervious area: IALimp= 1.57:SLIP= .50:LGI= 238.:MMI=.013:SCI= .0]
04424# [iRECEmp= 1.50: iAREPPer= 6.00]
04425# [SMIN= 1.39: SMAZ= 275.84: SK= .000]
04426# ROB085:00021----->Dmin-ID:NYDY-----ARAAh-QPEAKms-TpeakDate_hh:mm---->Rvnm-R.C.--DWFcms
CONTINUOUS STANDHY 5.0 01:INF-3 7.81 .305 1985.0716_14:00 347.74 .621 .000
04427# ADD HYD 5.0 01:INF-3 7.81 .305 1985.0716_14:00 347.74 .621 .000
04428# + 5.0 02:W1-10D-Out 5.0 01:INF-3 7.81 .305 1985.0716_14:00 347.74 .621 .000
04429# + 5.0 02:W2-10D-Out 7.81 .305 1985.0716_14:00 347.74 .621 .000
04430# + 5.0 02:W3-10D-Out 7.81 .305 1985.0716_14:00 347.74 .621 .000
04431# + 5.0 02:W4-10D-Out 10.11 .442 1985.0716_14:00 374.52 n/a .000
04432# + 5.0 02:W5-10D-Out 10.11 .442 1985.0716_14:00 374.52 n/a .000
04433# + 5.0 02:W6-10D-Out 10.11 .442 1985.0716_14:00 374.52 n/a .000
04434# + 5.0 02:W7-10D-Out 10.11 .442 1985.0716_14:00 374.52 n/a .000
04435# SUM 5.0 01:INF-BCD-PHS 49.42 2.48 1985.0716_14:00 374.52 n/a .000
04436# ROB085:00022----->Dmin-ID:NYDY-----ARAAh-QPEAKms-TpeakDate_hh:mm---->Rvnm-R.C.--DWFcms
CONTINUOUS STANDHY 5.0 01:INF-4 10.11 .442 1985.0716_14:00 371.72 .664 .000
04437# ADD HYD 5.0 01:INF-4 10.11 .442 1985.0716_14:00 371.72 .664 .000
04438# + 5.0 02:W1-10D-Out 5.0 01:INF-4 10.11 .442 1985.0716_14:00 371.72 .664 .000
04439# + 5.0 02:W2-10D-Out 8.51 .358 1985.0716_14:00 347.74 n/a .000
04440# + 5.0 02:W3-10D-Out 8.51 .358 1985.0716_14:00 347.74 n/a .000
04441# + 5.0 02:W4-10D-Out 10.11 .442 1985.0716_14:00 373.52 n/a .000
04442# + 5.0 02:W5-10D-Out 10.11 .442 1985.0716_14:00 373.52 n/a .000
04443# + 5.0 02:W6-10D-Out 6.20 .274 1985.0716_14:00 364.50 n/a .000
04444# + 5.0 02:W7-10D-Out 6.20 .274 1985.0716_14:00 364.50 n/a .000
04445# SUM 5.0 01:INF-BCD-PHS-L1 49.42 2.48 1985.0716_14:00 372.74 n/a .000
04446# ROB085:00023----->Dmin-ID:NYDY-----ARAAh-QPEAKms-TpeakDate_hh:mm---->Rvnm-R.C.--DWFcms
CONTINUOUS STANDHY 5.0 01:INF-5 10.11 .442 1985.0716_14:00 371.72 .664 .000
04447# ADD HYD 10.11 .442 1985.0716_14:00 371.72 .664 .000
04448# + 5.0 02:W1-10D-Out 10.11 .442 1985.0716_14:00 371.72 .664 .000
04449# + 5.0 02:W2-10D-Out 8.51 .358 1985.0716_14:00 347.74 n/a .000
04450# + 5.0 02:W3-10D-Out 8.51 .358 1985.0716_14:00 347.74 n/a .000
04451# + 5.0 02:W4-10D-Out 10.11 .442 1985.0716_14:00 373.52 n/a .000
04452# + 5.0 02:W5-10D-Out 10.11 .442 1985.0716_14:00 373.52 n/a .000
04453# + 5.0 02:W6-10D-Out 6.20 .274 1985.0716_14:00 364.50 n/a .000
04454# + 5.0 02:W7-10D-Out 6.20 .274 1985.0716_14:00 364.50 n/a .000
04455# SUM 5.0 01:INF-BCD-PHS-L1 49.42 2.48 1985.0716_14:00 372.74 n/a .000
04456# ROB085:00024----->Dmin-ID:NYDY-----ARAAh-QPEAKms-TpeakDate_hh:mm---->Rvnm-R.C.--DWFcms
CONTINUOUS STANDHY 5.0 01:INF-6 10.11 .442 1985.0716_14:00 371.72 .664 .000
04457# ADD HYD 10.11 .442 1985.0716_14:00 371.72 .664 .000
04458# + 5.0 02:W1-10D-Out 10.11 .442 1985.0716_14:00 371.72 .664 .000
04459# + 5.0 02:W2-10D-Out 8.51 .358 1985.0716_14:00 347.74 n/a .000
04460# + 5.0 02:W3-10D-Out 8.51 .358 1985.0716_14:00 347.74 n/a .000
04461# + 5.0 02:W4-10D-Out 10.11 .442 1985.0716_14:00 373.52 n/a .000
04462# + 5.0 02:W5-10D-Out 10.11 .442 1985.0716_14:00 373.52 n/a .000
04463# + 5.0 02:W6-10D-Out 6.20 .274 1985.0716_14:00 364.50 n/a .000
04464# + 5.0 02:W7-10D-Out 6.20 .274 1985.0716_14:00 364.50 n/a .000
04465# SUM 5.0 01:INF-BCD-PHS-L1 49.42 2.48 1985.0716_14:00 372.74 n/a .000
04466# ROB085:00025----->Dmin-ID:NYDY-----ARAAh-QPEAKms-TpeakDate_hh:mm---->Rvnm-R.C.--DWFcms
CONTINUOUS STANDHY 5.0 01:INF-7 10.11 .442 1985.0716_14:00 371.72 .664 .000
04467# ADD HYD 10.11 .442 1985.0716_14:00 371.72 .664 .000
04468# + 5.0 02:W1-10D-Out 10.11 .442 1985.0716_14:00 371.72 .664 .000
04469# + 5.0 02:W2-10D-Out 8.51 .358 1985.0716_14:00 347.74 n/a .000
04470# + 5.0 02:W3-10D-Out 8.51 .358 1985.0716_14:00 347.74 n/a .000
04471# + 5.0 02:W4-10D-Out 10.11 .442 1985.0716_14:00 373.52 n/a .000
04472# + 5.0 02:W5-10D-Out 10.11 .442 1985.0716_14:00 373.52 n/a .000
04473# + 5.0 02:W6-10D-Out 6.20 .274 1985.0716_14:00 364.50 n/a .000
04474# + 5.0 02:W7-10D-Out 6.20 .274 1985.0716_14:00 364.50 n/a .000
04475# SUM 5.0 01:INF-BCD-PHS-L1 49.42 2.48 1985.0716_14:00 372.74 n/a .000
04476# ROB085:00026----->Dmin-ID:NYDY-----ARAAh-QPEAKms-TpeakDate_hh:mm---->Rvnm-R.C.--DWFcms
CONTINUOUS STANDHY 5.0 01:INF-8 10.11 .442 1985.0716_14:00 371.72 .664 .000
04477# ADD HYD 10.11 .442 1985.0716_14:00 371.72 .664 .000
04478# + 5.0 02:W1-10D-Out 10.11 .442 1985.0716_14:00 371.72 .664 .000
04479# + 5.0 02:W2-10D-Out 8.51 .358 1985.0716_14:00 347.74 n/a .000
04480# + 5.0 02:W3-10D-Out 8.51 .358 1985.0716_14:00 347.74 n/a .000
04481# + 5.0 02:W4-10D-Out 10.11 .442 1985.0716_14:00 373.52 n/a .000
04482# + 5.0 02:W5-10D-Out 10.11 .442 1985.0716_14:00 373.52 n/a .000
04483# + 5.0 02:W6-10D-Out 6.20 .274 1985.0716_14:00 364.50 n/a .000
04484# + 5.0 02:W7-10D-Out 6.20 .274 1985.0716_14:00 364.50 n/a .000
04485# # SWHMHO Ver1.01 Jan 2001 *BETA* / INPUT DATA FILE
04486# Project Name: Barhavre Conservancy Development
04487# Project Number: 1474
04488# I: 2024/01/01
04489# Modeller: J.F. Sabourin, P. Eng.
04490# Updated : 2024/Mar/14 [EF]
04491# Company : J.F. Sabourin and Associates
04492# Address : 100, rue de la Montagne, Suite 100, Montréal, Québec, H3A 1T6
04493# READ AER DATA
04494# [Filename = YCM_1967_2007_123]
04495# [Start Date = 1986.01.01 End Date = 1986.12.31]
04496# [DT= 60:min; Length= 80:00 hrs; NetHrs= 520; PTOT= 849.40]
04497# END OF RUN : 85
04470# START
04471# (METOUT = 0 hrs on 1986/01/01)
04472# 2 (Imperial, 2 metric output)
04473# [NSTORM= 0]
04474# [IAPRES= 0]
04475# [RECH= 0]
04476# RUN#COMMAND#
04477# R0085:00001----->Dmin-ID:NYDY-----ARAAh-QPEAKms-TpeakDate_hh:mm---->Rvnm-R.C.--DWFcms
CONTINUOUS STANDHY 5.0 01:W3 10.03 .363 1985.0716_14:00 318.35 .569 .000
04478# # CORROSION RATE DATA
04479# END OF RUN : 85
04480# #
04481# 2 (Imperial, 2 metric output)
04482# [NSTORM= 0]
04483# [IAPRES= 0]
04484# *****
04485# SWHMHO Ver1.01 Jan 2001 *BETA* / INPUT DATA FILE
04486# Project Name: Barhavre Conservancy Development
04487# Project Number: 1474
04488# I: 2024/01/01
04489# Modeller: J.F. Sabourin, P. Eng.
04490# Updated : 2024/Mar/14 [EF]
04491# Company : J.F. Sabourin and Associates
04492# Address : 100, rue de la Montagne, Suite 100, Montréal, Québec, H3A 1T6
04493# READ AER DATA
04494# [Filename = YCM_1967_2007_123]
04495# [Start Date = 1986.01.01 End Date = 1986.12.31]
04496# [DT= 60:min; Length= 80:00 hrs; NetHrs= 520; PTOT= 849.40]
04497# END OF RUN : 85
04470# START
04471# (METOUT = 0 hrs on 1986/01/01)
04472# 2 (Imperial, 2 metric output)
04473# [NSTORM= 0]
04474# [IAPRES= 0]
04475# [RECH= 0]
04476# RUN#COMMAND#
04477# R0085:00001----->Dmin-ID:NYDY-----ARAAh-QPEAKms-TpeakDate_hh:mm---->Rvnm-R.C.--DWFcms
CONTINUOUS STANDHY 5.0 01:W3 10.03 .363 1985.0716_14:00 318.35 .569 .000
04478# #
04479# SWHMHO Ver1.01 Jan 2001 *BETA* / INPUT DATA FILE
04480# Project Name: Barhavre Conservancy Development
04481# Project Number: 1474
04482# I: 2024/01/01
04483# Modeller: J.F. Sabourin, P. Eng.
04484# Updated : 2024/Mar/14 [EF]
04485# Company : J.F. Sabourin and Associates
04486# Address : 100, rue de la Montagne, Suite 100, Montréal, Québec, H3A 1T6
04487# READ AER DATA
04488# [Filename = YCM_1967_2007_123]
04489# [Start Date = 1986.01.01 End Date = 1986.12.31]
04490# [DT= 60:min; Length= 80:00 hrs; NetHrs= 520; PTOT= 849.40]
04491# END OF RUN : 85
04470# START
04471# (METOUT = 0 hrs on 1986/01/01)
04472# 2 (Imperial, 2 metric output)
04473# [NSTORM= 0]
04474# [IAPRES= 0]
04475# [RECH= 0]
04476# RUN#COMMAND#
04477# R0085:00001----->Dmin-ID:NYDY-----ARAAh-QPEAKms-TpeakDate_hh:mm---->Rvnm-R.C.--DWFcms
CONTINUOUS STANDHY 5.0 01:W3 10.03 .363 1985.0716_14:00 318.35 .569 .000
04478# #
04479# SWHMHO Ver1.01 Jan 2001 *BETA* / INPUT DATA FILE
04480# Project Name: Barhavre Conservancy Development
04481# Project Number: 1474
04482# I: 2024/01/01
04483# Modeller: J.F. Sabourin, P. Eng.
04484# Updated : 2024/Mar/14 [EF]
04485# Company : J.F. Sabourin and Associates
04486# Address : 100, rue de la Montagne, Suite 100, Montréal, Québec, H3A 1T6
04487# READ AER DATA
04488# [Filename = YCM_1967_200

04681: [SMIN= 1.39; SMAX= 9.24; SKW= .000] ----- Dtnin-ID:NHYD----- ARAAh-QPEAKms-TpeakDate_hh:mm:--Rvmm-R.C.--DWFcms
 04682: R00861:CD0023----- Dtnin-ID:NHYD----- 7.81 .390 1986.0.729_13:00 602.49 .709 .000
 04683: CONTINUOUS STANDHYD 5.0 01:INF-W6 [XIMP= 55;TIME=.66]
 04684: [LOGS= 2 ;CNM=1.0] -----
 04685: [Impervious area: IApers= 4.67;SLP2=2.00:LGF= 40.;MNFI=250;SCF= .0]
 04686: [Impervious area: IAlmp= 1.57;SLP1= .50:LGI= 228.;MNFI=0.013;SCI= .0]
 04687: [IaEClipm= 1.50; iARECPer= 6.00]
 04688: [IaEClipm= 1.50; iARECPer= 6.00]
 04689: [IaEClipm= 1.50; iARECPer= 6.00]
 04690: R00861:CD0024----- Dtnin-ID:NHYD----- ARAAh-QPEAKms-TpeakDate_hh:mm:--Rvmm-R.C.--DWFcms
 04691: ADD HYD 5.0 02:INF-W6 [LOGS= 2 ;CNM=1.0] -----
 04692: + 5.0 02:INF-W6 5.76 .283 1986.0.729_13:00 551.31 n/a .000
 04693: + 5.0 02:INF-W6 1.03 .1 .45 1986.0.729_13:00 585.29 n/a .000
 04694: + 5.0 02:INF-W6 10.11 .495 1986.0.729_13:00 564.95 n/a .000
 04695: + 5.0 02:INF-W6 6.20 .304 1986.0.729_13:00 554.85 n/a .000
 04696: + 5.0 02:INF-W6 3.11 .398 1986.0.729_13:00 561.31 n/a .000
 04697: SMM= 5.0 01:INF-BCD-PH 48.42 .279 1986.0.729_13:00 566.41 n/a .000
 04698: # ***** CONTINUOUS RAINFALL DATA *****
 04699: # ***** END OF RUN : 86 *****
 04700: #####
 04701: # ***** TIZERO = .00 hrs on 198701011
 04713: [#METCOUT = 1 (Imperial, 2=metric output)]
 04714: [INSTRNS = 0087]
 04715: #*****
 04716: #***** RUN#1:COMMAND#
 04717: R0087:CD0010----- Dtnin-ID:NHYD----- ARAAh-QPEAKms-TpeakDate_hh:mm:--Rvmm-R.C.--DWFcms
 04718: START-----
 04719: # Project Name: Barrhaven Conservancy Development
 04720: # Project Number: 1474
 04721: # Modeler: J. Burnett, P.Eng.
 04722: # Updated : 2024/Mar/14 [IP]
 04723: # Company : J.F. Sabourin and Associates
 04724: # License #: 2382634
 04725: #*****
 04726: #***** Runname: Yom1967_2007123
 04727: R0087:CD002----- Dtnin-ID:NHYD----- ARAAh-QPEAKms-TpeakDate_hh:mm:--Rvmm-R.C.--DWFcms
 04728: # READ AEA DATA-----
 04729: #*****
 04730: #***** Startdate: YOM_1967_2007123
 04731: #***** Enddate: 1987.01.01; Enddate: 1987.12.31
 04732: #***** DT= 60; min; Length= 7344; hrs; NetHrs= 492; DryHrs= 6852; PTOT= 640.10
 04733: #***** Max rainfall rate assumed over:
 04734: 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
 04735: 20.00 13.9 14.03 7.05 4.87 2.46 1.84 1.40 .93 mm/hr
 04736: 19870724 19870724 19870724 19870725 19870725 19870726 19870726 date
 04737: Number of rainfall events per following interevent times:
 04738: 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
 04739: 100 128 135 74 55 49 41 28
 04740: Number of events with at least the next following durations:
 04741: 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
 04742: 179 94 60 3 0 0 0 0 0 0 0 0 0
 04743: R0087:CD0003----- Dtnin-ID:NHYD----- ARAAh-QPEAKms-TpeakDate_hh:mm:--Rvmm-R.C.--DWFcms
 04744: #***** COMPUTE API-----
 04745: #***** APFinl= 50.0000; APFinp= .9000; APFinr= .9956
 04746: #***** APInavx= 75.76; APAvg= 21.41; APInav= 1.18
 04747: #*****
 04748: #***** Runname: Yom1967_2007123
 04749: #***** Runname: Barrhaven Conservancy Development-----
 04750: #***** DYNINFLATION = 0 (WITH INFILTRATION) -> POST DEVELOPMENT CONDITIONS-----
 04751: R0087:CD0004----- Dtnin-ID:NHYD----- ARAAh-QPEAKms-TpeakDate_hh:mm:--Rvmm-R.C.--DWFcms
 04752: #***** CONTINUOUS STANDHYD 5.0 01:INF-W6 [XIMP= 55;TIME=.66]
 04753: [LOGS= 2 ;CNM= 71.0]
 04754: [Impervious area: IApers= 4.67;SLP2=2.00:LGF= 40.;MNFI=250;SCF= .0]
 04755: [Impervious area: IAlmp= 1.57;SLP1= .50:LGI= 196.;MNFI=0.013;SCI= .0]
 04756: [IaEClipm= 1.50; iARECPer= 6.00]
 04757: [IaEClipm= 1.50; iARECPer= 6.00]
 04758: #*****
 04759: # LID for Outlet W6 (14 catchbasins, 30 m long trench each)
 04760: # Assume 420 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
 04761: # Total Volume provided by LID = 96 m³
 04762: #*****
 04763: #***** Dtnin-ID:NHYD----- ARAAh-QPEAKms-TpeakDate_hh:mm:--Rvmm-R.C.--DWFcms
 04764: ROUTE RESERVOIR -> 5.0 02:INF-W6 [LOGS= 2 ;CNM=1.0] -----
 04765: overflow <= 5.0 02:INF-W6-LID-Out 5.76 .190 1987.0.724_13:00 294.46 .460 .000
 04766: overflow <= 5.0 03:INF-W6-LID-Out 4.26 .190 1987.0.724_13:00 294.46 n/a .000
 04767: (#MStCoed=,9600E-02 m3, TotCrVol=1.255e+01 m3, N_Ovr= 131, TotDvrfc= 163,hrs)
 04768: R0087:CD0005----- Dtnin-ID:NHYD----- ARAAh-QPEAKms-TpeakDate_hh:mm:--Rvmm-R.C.--DWFcms
 04769: CONTINUOUS STANDHYD 5.0 01:INF-W6 [XIMP= 55;TIME=.66]
 04770: #*****
 04771: #***** TIZERO = .00 hrs on 198801011
 04772: [#METCOUT = 1 (Imperial, 2=metric output)]
 04773: [INSTRNS = 0088]
 04774: #*****
 04775: #***** Runname: Yom1967_2007123
 04776: #***** Runname: Barrhaven Conservancy Development-----
 04777: 04776: #***** DYNINFLATION = 0 (WITH INFILTRATION) -> POST DEVELOPMENT CONDITIONS-----
 04778: R0087:CD0006----- Dtnin-ID:NHYD----- ARAAh-QPEAKms-TpeakDate_hh:mm:--Rvmm-R.C.--DWFcms
 04779: #***** CONTINUOUS STANDHYD 5.0 01:INF-W6 [XIMP= 55;TIME=.66]
 04780: [LOGS= 2 ;CNM= 71.0]
 04781: [Impervious area: IApers= 4.67;SLP2=2.00:LGF= 40.;MNFI=250;SCF= .0]
 04782: [Impervious area: IAlmp= 1.57;SLP1= .50:LGI= 238.;MNFI=0.013;SCI= .0]
 04783: [IaEClipm= 1.50; iARECPer= 6.00]
 04784: [IaEClipm= 1.50; iARECPer= 6.00]
 04785: #*****
 04786: #***** Runname: Yom1967_2007123
 04787: #***** Runname: Barrhaven Conservancy Development-----
 04788: 04787: #***** DYNINFLATION = 0 (WITH INFILTRATION) -> POST DEVELOPMENT CONDITIONS-----
 04789: R0087:CD0007----- Dtnin-ID:NHYD----- ARAAh-QPEAKms-TpeakDate_hh:mm:--Rvmm-R.C.--DWFcms
 04790: #***** CONTINUOUS STANDHYD 5.0 01:INF-W6 [XIMP= 55;TIME=.66]
 04791: [LOGS= 2 ;CNM= 71.0]
 04792: [Impervious area: IApers= 4.67;SLP2=2.00:LGF= 40.;MNFI=250;SCF= .0]
 04793: [Impervious area: IAlmp= 1.57;SLP1= .50:LGI= 259.;MNFI=0.013;SCI= .0]
 04794: [IaEClipm= 1.50; iARECPer= 6.00]
 04795: [IaEClipm= 1.50; iARECPer= 6.00]
 04796: #*****
 04797: #***** Runname: Yom1967_2007123
 04798: #***** Runname: Barrhaven Conservancy Development-----
 04799: 04798: #***** DYNINFLATION = 0 (WITH INFILTRATION) -> POST DEVELOPMENT CONDITIONS-----
 04800: R0087:CD0008----- Dtnin-ID:NHYD----- ARAAh-QPEAKms-TpeakDate_hh:mm:--Rvmm-R.C.--DWFcms
 04801: #***** CONTINUOUS STANDHYD 5.0 01:INF-W6 [XIMP= 55;TIME=.66]
 04802: #*****
 04803: #***** Runname: Yom1967_2007123
 04804: #***** Runname: Barrhaven Conservancy Development-----
 04805: #***** DYNINFLATION = 0 (WITH INFILTRATION) -> POST DEVELOPMENT CONDITIONS-----
 04806: R0087:CD0009----- Dtnin-ID:NHYD----- ARAAh-QPEAKms-TpeakDate_hh:mm:--Rvmm-R.C.--DWFcms
 04807: #***** CONTINUOUS STANDHYD 5.0 01:INF-W6 [XIMP= 55;TIME=.66]
 04808: [LOGS= 2 ;CNM= 71.0]
 04809: [Impervious area: IApers= 4.67;SLP2=2.00:LGF= 40.;MNFI=250;SCF= .0]
 04810: [Impervious area: IAlmp= 1.57;SLP1= .50:LGI= 260.;MNFI=0.013;SCI= .0]
 04811: [IaEClipm= 1.50; iARECPer= 6.00]
 04812: [IaEClipm= 1.50; iARECPer= 6.00]
 04813: #*****
 04814: #***** Runname: Yom1967_2007123
 04815: #***** Runname: Barrhaven Conservancy Development-----
 04816: 04815: #***** DYNINFLATION = 0 (WITH INFILTRATION) -> POST DEVELOPMENT CONDITIONS-----
 04817: R0087:CD0010----- Dtnin-ID:NHYD----- ARAAh-QPEAKms-TpeakDate_hh:mm:--Rvmm-R.C.--DWFcms
 04818: #***** CONTINUOUS STANDHYD 5.0 01:INF-W6 [XIMP= 55;TIME=.66]
 04819: [LOGS= 2 ;CNM= 71.0]
 04820: [Impervious area: IApers= 4.67;SLP2=2.00:LGF= 40.;MNFI=250;SCF= .0]
 04821: [Impervious area: IAlmp= 1.57;SLP1= .50:LGI= 261.;MNFI=0.013;SCI= .0]
 04822: [IaEClipm= 1.50; iARECPer= 6.00]
 04823: [IaEClipm= 1.50; iARECPer= 6.00]
 04824: #*****
 04825: #***** Runname: Yom1967_2007123
 04826: #***** Runname: Barrhaven Conservancy Development-----
 04827: 04826: #***** DYNINFLATION = 0 (WITH INFILTRATION) -> POST DEVELOPMENT CONDITIONS-----
 04828: R0087:CD0011----- Dtnin-ID:NHYD----- ARAAh-QPEAKms-TpeakDate_hh:mm:--Rvmm-R.C.--DWFcms
 04829: #***** CONTINUOUS STANDHYD 5.0 01:INF-W6 [XIMP= 55;TIME=.66]
 04830: [LOGS= 2 ;CNM= 71.0]
 04831: [Impervious area: IApers= 4.67;SLP2=2.00:LGF= 40.;MNFI=250;SCF= .0]
 04832: [Impervious area: IAlmp= 1.57;SLP1= .50:LGI= 262.;MNFI=0.013;SCI= .0]
 04833: [IaEClipm= 1.50; iARECPer= 6.00]
 04834: [IaEClipm= 1.50; iARECPer= 6.00]
 04835: #*****
 04836: #***** Runname: Yom1967_2007123
 04837: #***** Runname: Barrhaven Conservancy Development-----
 04838: 04837: #***** DYNINFLATION = 0 (WITH INFILTRATION) -> POST DEVELOPMENT CONDITIONS-----
 04839: R0087:CD0012----- Dtnin-ID:NHYD----- ARAAh-QPEAKms-TpeakDate_hh:mm:--Rvmm-R.C.--DWFcms
 04840: #***** CONTINUOUS STANDHYD 5.0 01:INF-W6 [XIMP= 55;TIME=.66]
 04841: [LOGS= 2 ;CNM= 71.0]
 04842: [Impervious area: IApers= 4.67;SLP2=2.00:LGF= 40.;MNFI=250;SCF= .0]
 04843: [Impervious area: IAlmp= 1.57;SLP1= .50:LGI= 263.;MNFI=0.013;SCI= .0]
 04844: [IaEClipm= 1.50; iARECPer= 6.00]
 04845: [IaEClipm= 1.50; iARECPer= 6.00]
 04846: #*****
 04847: #***** Runname: Yom1967_2007123
 04848: #***** Runname: Barrhaven Conservancy Development-----
 04849: 04848: #***** DYNINFLATION = 0 (WITH INFILTRATION) -> POST DEVELOPMENT CONDITIONS-----
 04850: R0087:CD0013----- Dtnin-ID:NHYD----- ARAAh-QPEAKms-TpeakDate_hh:mm:--Rvmm-R.C.--DWFcms
 04851: #***** CONTINUOUS STANDHYD 5.0 01:INF-W6 [XIMP= 55;TIME=.66]
 04852: [LOGS= 2 ;CNM= 71.0]
 04853: [Impervious area: IApers= 4.67;SLP2=2.00:LGF= 40.;MNFI=250;SCF= .0]
 04854: [Impervious area: IAlmp= 1.57;SLP1= .50:LGI= 264.;MNFI=0.013;SCI= .0]
 04855: [IaEClipm= 1.50; iARECPer= 6.00]
 04856: [IaEClipm= 1.50; iARECPer= 6.00]
 04857: #*****
 04858: #***** Runname: Yom1967_2007123
 04859: #***** Runname: Barrhaven Conservancy Development-----
 04860: 04859: #***** DYNINFLATION = 0 (WITH INFILTRATION) -> POST DEVELOPMENT CONDITIONS-----
 04861: R0087:CD0014----- Dtnin-ID:NHYD----- ARAAh-QPEAKms-TpeakDate_hh:mm:--Rvmm-R.C.--DWFcms
 04862: #***** CONTINUOUS STANDHYD 5.0 01:INF-W6 [XIMP= 55;TIME=.66]
 04863: [LOGS= 2 ;CNM= 71.0]
 04864: [Impervious area: IApers= 4.67;SLP2=2.00:LGF= 40.;MNFI=250;SCF= .0]
 04865: [Impervious area: IAlmp= 1.57;SLP1= .50:LGI= 265.;MNFI=0.013;SCI= .0]
 04866: [IaEClipm= 1.50; iARECPer= 6.00]
 04867: [IaEClipm= 1.50; iARECPer= 6.00]
 04868: #*****
 04869: #***** Runname: Yom1967_2007123
 04870: #***** Runname: Barrhaven Conservancy Development-----
 04871: 04870: #***** DYNINFLATION = 0 (WITH INFILTRATION) -> POST DEVELOPMENT CONDITIONS-----
 04872: R0087:CD0015----- Dtnin-ID:NHYD----- ARAAh-QPEAKms-TpeakDate_hh:mm:--Rvmm-R.C.--DWFcms
 04873: #***** CONTINUOUS STANDHYD 5.0 01:INF-W6 [XIMP= 55;TIME=.66]
 04874: [LOGS= 2 ;CNM= 71.0]
 04875: [Impervious area: IApers= 4.67;SLP2=2.00:LGF= 40.;MNFI=250;SCF= .0]
 04876: [Impervious area: IAlmp= 1.57;SLP1= .50:LGI= 266.;MNFI=0.013;SCI= .0]
 04877: [IaEClipm= 1.50; iARECPer= 6.00]
 04878: [IaEClipm= 1.50; iARECPer= 6.00]
 04879: #*****
 04880: #***** Runname: Yom1967_2007123
 04881: #***** Runname: Barrhaven Conservancy Development-----
 04882: 04881: #***** DYNINFLATION = 0 (WITH INFILTRATION) -> POST DEVELOPMENT CONDITIONS-----
 04883: R0087:CD0016----- Dtnin-ID:NHYD----- ARAAh-QPEAKms-TpeakDate_hh:mm:--Rvmm-R.C.--DWFcms
 04884: #***** CONTINUOUS STANDHYD 5.0 01:INF-W6 [XIMP= 55;TIME=.66]
 04885: [LOGS= 2 ;CNM= 71.0]
 04886: [Impervious area: IApers= 4.67;SLP2=2.00:LGF= 40.;MNFI=250;SCF= .0]
 04887: [Impervious area: IAlmp= 1.57;SLP1= .50:LGI= 267.;MNFI=0.013;SCI= .0]
 04888: [IaEClipm= 1.50; iARECPer= 6.00]
 04889: [IaEClipm= 1.50; iARECPer= 6.00]
 04890: #*****
 04891: #***** Runname: Yom1967_2007123
 04892: #***** Runname: Barrhaven Conservancy Development-----
 04893: 04892: #***** DYNINFLATION = 0 (WITH INFILTRATION) -> POST DEVELOPMENT CONDITIONS-----
 04894: R0087:CD0017----- Dtnin-ID:NHYD----- ARAAh-QPEAKms-TpeakDate_hh:mm:--Rvmm-R.C.--DWFcms
 04895: #***** CONTINUOUS STANDHYD 5.0 01:INF-W6 [XIMP= 55;TIME=.66]
 04896: [LOGS= 2 ;CNM= 71.0]
 04897: [Impervious area: IApers= 4.67;SLP2=2.00:LGF= 40.;MNFI=250;SCF= .0]
 04898: [Impervious area: IAlmp= 1.57;SLP1= .50:LGI= 268.;MNFI=0.013;SCI= .0]
 04899: [IaEClipm= 1.50; iARECPer= 6.00]
 04900: [IaEClipm= 1.50; iARECPer= 6.00]
 04901: #*****
 04902: #***** Runname: Yom1967_2007123
 04903: #***** Runname: Barrhaven Conservancy Development-----
 04904: 04903: #***** DYNINFLATION = 0 (WITH INFILTRATION) -> POST DEVELOPMENT CONDITIONS-----
 04905: R0087:CD0018----- Dtnin-ID:NHYD----- ARAAh-QPEAKms-TpeakDate_hh:mm:--Rvmm-R.C.--DWFcms
 04906: #***** CONTINUOUS STANDHYD 5.0 01:INF-W6 [XIMP= 55;TIME=.66]
 04907: [LOGS= 2 ;CNM= 71.0]
 04908: [Impervious area: IApers= 4.67;SLP2=2.00:LGF= 40.;MNFI=250;SCF= .0]
 04909: [Impervious area: IAlmp= 1.57;SLP1= .50:LGI= 269.;MNFI=0.013;SCI= .0]
 04910: [IaEClipm= 1.50; iARECPer= 6.00]
 04911: [IaEClipm= 1.50; iARECPer= 6.00]
 04912: #*****
 04913: #***** Runname: Yom1967_2007123
 04914: #***** Runname: Barrhaven Conservancy Development-----
 04915: 04914: #***** DYNINFLATION = 0 (WITH INFILTRATION) -> POST DEVELOPMENT CONDITIONS-----
 04916: R0087:CD0019----- Dtnin-ID:NHYD----- ARAAh-QPEAKms-TpeakDate_hh:mm:--Rvmm-R.C.--DWFcms
 04917: #***** CONTINUOUS STANDHYD 5.0 01:INF-W6 [XIMP= 55;TIME=.66]
 04918: [LOGS= 2 ;CNM= 71.0]
 04919: [Impervious area: IApers= 4.67;SLP2=2.00:LGF= 40.;MNFI=250;SCF= .0]
 04920: [Impervious area: IAlmp= 1.57;SLP1= .50:LGI= 270.;MNFI=0.013;SCI= .0]
 04921: [IaEClipm= 1.50; iARECPer= 6.00]
 04922: [IaEClipm= 1.50; iARECPer= 6.00]
 04923: #*****
 04924: #***** Runname: Yom1967_2007123
 04925: #***** Runname: Barrhaven Conservancy Development-----
 04926: 04925: #***** DYNINFLATION = 0 (WITH INFILTRATION) -> POST DEVELOPMENT CONDITIONS-----
 04927: R0087:CD0020----- Dtnin-ID:NHYD----- ARAAh-QPEAKms-TpeakDate_hh:mm:--Rvmm-R.C.--DWFcms
 04928: #***** CONTINUOUS STANDHYD 5.0 01:INF-W6 [XIMP= 55;TIME=.66]
 04929: [LOGS= 2 ;CNM= 71.0]
 04930: [Impervious area: IApers= 4.67;SLP2=2.00:LGF= 40.;MNFI=250;SCF= .0]
 04931: [Impervious area: IAlmp= 1.57;SLP1= .50:LGI= 271.;MNFI=0.013;SCI= .0]
 04932: [IaEClipm= 1.50; iARECPer= 6.00]
 04933: [IaEClipm= 1.50; iARECPer= 6.00]
 04934: #*****
 04935: #***** Runname: Yom1967_2007123
 04936: #***** Runname: Barrhaven Conservancy Development-----
 04937: 04936: #***** DYNINFLATION = 0 (WITH INFILTRATION) -> POST DEVELOPMENT CONDITIONS-----
 04938: R0087:CD0021----- Dtnin-ID:NHYD----- ARAAh-QPEAKms-TpeakDate_hh:mm:--Rvmm-R.C.--DWFcms
 04939: #***** CONTINUOUS STANDHYD 5.0 01:INF-W6 [XIMP= 55;TIME=.66]
 04940: [LOGS= 2 ;CNM= 71.0]
 04941: [Impervious area: IApers= 4.67;SLP2=2.00:LGF= 40.;MNFI=250;SCF= .0]
 04942: [Impervious area: IAlmp= 1.57;SLP1= .50:LGI= 272.;MNFI=0.013;SCI= .0]
 04943: [IaEClipm= 1.50; iARECPer= 6.00]
 04944: [IaEClipm= 1.50; iARECPer= 6.00]
 04945: #*****
 04946: #***** Runname: Yom1967_2007123
 04947: #***** Runname: Barrhaven Conservancy Development-----
 04948: 04947: #***** DYNINFLATION = 0 (WITH INFILTRATION) -> POST DEVELOPMENT CONDITIONS-----
 04949: R0087:CD0022----- Dtnin-ID:NHYD----- ARAAh-QPEAKms-TpeakDate_hh:mm:--Rvmm-R.C.--DWFcms
 04950: #***** CONTINUOUS STANDHYD 5.0 01:INF-W6 [XIMP= 55;TIME=.66]
 04951: [LOGS= 2 ;CNM= 71.0]
 04952: [Impervious area: IApers= 4.67;SLP2=2.00:LGF= 40.;MNFI=250;SCF= .0]
 04953: [Impervious area: IAlmp= 1.57;SLP1= .50:LGI= 273.;MNFI=0.013;SCI= .0]
 04954: [IaEClipm= 1.50; iARECPer= 6.00]
 04955: [IaEClipm= 1.50; iARECPer= 6.00]
 04956: #*****
 04957: #***** Runname: Yom1967_2007123
 04958: #***** Runname: Barrhaven Conservancy Development-----
 04959: 04958: #***** DYNINFLATION = 0 (WITH INFILTRATION) -> POST DEVELOPMENT CONDITIONS-----
 04960: R0087:CD0023----- Dtnin-ID:NHYD----- ARAAh-QPEAKms-TpeakDate_hh:mm:--Rvmm-R.C.--DWFcms
 04961: #***** CONTINUOUS STANDHYD 5.0 01:INF-W6 [XIMP= 55;TIME=.66]
 04962: [LOGS= 2 ;CNM= 71.0]
 04963: [Impervious area: IApers= 4.67;SLP2=2.00:LGF= 40.;MNFI=250;SCF= .0]
 04964: [Impervious area: IAlmp= 1.57;SLP1= .50:LGI= 274.;MNFI=0.013;SCI= .0]
 04965: [IaEClipm= 1.50; iARECPer= 6.00]
 04966: [IaEClipm= 1.50; iARECPer= 6.00]
 04967: #*****
 04968: #***** Runname: Yom1967_2007123
 04969: #***** Runname: Barrhaven Conservancy Development-----
 04970: 04969: #***** DYNINFLATION = 0 (WITH INFILTRATION) -> POST DEVELOPMENT CONDITIONS-----
 04971: R0087:CD0024----- Dtnin-ID:NHYD----- ARAAh-QPEAKms-TpeakDate_hh:mm:--Rvmm-R.C.--DWFcms
 04972: #***** CONTINUOUS STANDHYD 5.0 01:INF-W6 [XIMP= 55;TIME=.66]
 04973: [LOGS= 2 ;CNM= 71.0]
 04974: [Impervious area: IApers= 4.67;SLP2=2.00:LGF= 40.;MNFI=250;SCF= .0]
 04975: [Impervious area: IAlmp= 1.57;SLP1= .50:LGI= 275.;MNFI=0.013;SCI= .0]
 04976: [IaEClipm= 1.50; iARECPer= 6.00]
 04977: [IaEClipm= 1.50; iARECPer= 6.00]
 04978: #*****
 04979: #***** Runname: Yom1967_2007123
 04980: #***** Runname: Barrhaven Conservancy Development-----
 04981: 04979: #***** DYNINFLATION = 0 (WITH INFILTRATION) -> POST DEVELOPMENT CONDITIONS-----
 04982: R0087:CD0025----- Dtnin-ID:NHYD----- ARAAh-QPEAKms-TpeakDate_hh:mm:--Rvmm-R.C.--DWFcms
 04983: #***** CONTINUOUS STANDHYD 5.0 01:INF-W6 [XIMP= 55;TIME=.66]
 04984: [LOGS= 2 ;CNM= 71.0]
 04985: [Impervious area: IApers= 4.67;SLP2=2.00:LGF= 40.;MNFI=250;SCF= .0]
 04986: [Impervious area: IAlmp= 1.57;SLP1= .50:LGI= 276.;MNFI=0.013;SCI= .0]
 04987: [IaEClipm= 1.50; iARECPer= 6.00]
 04988: [IaEClipm= 1.50; iARECPer= 6.00]
 04989: #*****
 04990: #***** Runname: Yom1967_2007123
 04991: #***** Runname: Barrhaven Conservancy Development-----
 04992: 04990: #***** DYNINFLATION = 0 (WITH INFILTRATION) -> POST DEVELOPMENT CONDITIONS-----
 04993: R0087:CD0026----- Dtnin-ID:NHYD----- ARAAh-QPEAKms-TpeakDate_hh:mm:--Rvmm-R.C.--DWFcms
 04994: #***** CONTINUOUS STANDHYD 5.0 01:INF-W6 [XIMP= 55;TIME=.66]
 04995: [LOGS= 2 ;CNM= 71.0]
 04996: [Impervious area: IApers

05041+ [SMIN= 41.38; SMAX=275.84; SKW= .030]
 05042+ # Lid for Outlet W4 (27 catchbasins, 30 m long trench each)
 05043+ # Assumed flow rate = 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
 05044+ # Total Volume provided by Lid = 1.86 m³
 05045+ # Soil Infiltration rates assumed at 9mm/hr with a safety factor of 2.5
 05046+ R0088:CD0011-----Dtnin-ID:NYWD-----ARAAh-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.--DWFcms
 05047+ ROUTE RESERVOIR > 5.0 021W-LID 10.11 .480 1988.0726_13:00 314.93 n/a .000
 05048+ out <= 5.0 01W-LID 2.77 .001 1988.0117_22:50 314.95 n/a .000
 05049+ overflow <= 5.0 01W-LID 1.64 .001 1988.0117_22:50 302.40 n/a .000
 05050+ (MnStCodes_18602-01 m3, TotDurVol=.2318E+01 m3, N-Ovr= 122, TotDurOvf= 163 hrs.)
 05051+ R0088:CD0012-----Dtnin-ID:NYWD-----ARAAh-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.--DWFcms
 05052+ CONTINUOUS STANDHYD 5.0 01W3 0.01NSW 6.20 .285 1988.0726_13:00 302.40 .470 .000
 05053+ (XIMP=.57;TIMP=.67)
 05054+ (LOSS= 2 CNW 71.0)
 05055+ [Previous] area: Iapres: 4.67;SLIP=2.00;LGF= 40.;MNP=250;SCF= .0)
 05056+ [Impervious] area: IAlimp: 1.57;SLIP= .50;LGI= 203.;MNI=0.013;SCI= .0)
 05057+ [IaREClipm: 1.50; iARECper: 6.00)
 05058+ [SMIN= 41.38; SMAX=275.84; SKW= .030)
 05059+ # Lid for Outlet W5 (27 catchbasins, 30 m long trench each)
 05060+ # Assumed flow rate = 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
 05061+ # Total Volume provided by Lid = 1.86 m³
 05062+ # Assumed flow rate = 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
 05063+ # Soil Infiltration rates assumed at 9mm/hr with a safety factor of 2.5
 05064+ R0088:CD0013-----Dtnin-ID:NYWD-----ARAAh-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.--DWFcms
 05065+ ROUTE RESERVOIR > 5.0 021W-LID 6.20 .285 1988.0726_13:00 302.40 n/a .000
 05066+ out <= 5.0 01W-LID 1.01 .001 1988.0117_22:50 302.40 n/a .000
 05067+ overflow <= 5.0 01W-LID-Out 4.50 .279 1988.0726_13:00 302.40 n/a .000
 05068+ (MnStCodes_1099E-01 m3, TotDurVol=.1362E+01 m3, N-Ovr= 122, TotDurOvf= 159 hrs.)
 05069+ R0088:CD0014-----Dtnin-ID:NYWD-----ARAAh-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.--DWFcms
 05070+ CONTINUOUS STANDHYD 5.0 01W3 7.81 .426 1988.0726_13:00 361.36 .445 .000
 05071+ (XIMP=.71;TIMP=.81)
 05072+ (LOSS= 2 CNW 71.0)
 05073+ [Previous] area: Iapres: 4.67;SLIP=2.00;LGF= 40.;MNP=250;SCF= .0)
 05074+ [Impervious] area: IAlimp: 1.57;SLIP= .50;LGI= 228.;MNI=0.013;SCI= .0)
 05075+ [SMIN= 41.38; SMAX=275.84; SKW= .030)
 05076+ # Lid for Outlet W6 (24 catchbasins, 30 m long trench each)
 05077+ # Assumed flow rate = 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
 05078+ # Total Volume provided by Lid = 1.86 m³
 05079+ # Soil Infiltration rates assumed at 9mm/hr with a safety factor of 2.5
 05080+ R0088:CD0015-----Dtnin-ID:NYWD-----ARAAh-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.--DWFcms
 05081+ ROUTE RESERVOIR > 5.0 021W-LID 6.20 .285 1988.0726_13:00 302.40 n/a .000
 05082+ out <= 5.0 01W-LID 2.13 .001 1988.0117_22:40 361.36 n/a .000
 05083+ overflow <= 5.0 01W-LID-Out 1.64 .419 1988.0726_13:00 361.36 n/a .000
 05084+ (MnStCodes_1109E-01 m3, TotDurVol=.1364E+01 m3, N-Ovr= 122, TotDurOvf= 163 hrs.)
 05085+ R0088:CD0016-----Dtnin-ID:NYWD-----ARAAh-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.--DWFcms
 05086+ ADD HYD 5.0 021W1 5.76 .299 1988.0726_13:00 295.21 n/a .000
 05087+ out <= 5.0 021W1 5.76 .299 1988.0726_13:00 295.21 n/a .000
 05088+ + 5.0 021W3 10.03 .554 1988.0726_13:00 340.15 n/a .000
 05089+ + 5.0 021W4 10.11 .480 1988.0726_13:00 314.93 n/a .000
 05090+ + 5.0 021W5 10.11 .480 1988.0726_13:00 314.93 n/a .000
 05091+ + 5.0 021W6 7.81 .426 1988.0726_13:00 361.36 n/a .000
 05092+ SUM: 5.0 01BCEP-PH 48.42 2.318 1988.0726_13:00 316.36 n/a .000
 05093+ R0088:CD0017-----Dtnin-ID:NYWD-----ARAAh-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.--DWFcms
 05094+ ADD HYD 5.0 021W1-LID-Out 4.26 .253 1988.0726_13:00 295.21 n/a .000
 05095+ out <= 5.0 021W2-LID-Out 6.28 .345 1988.0726_13:00 273.19 n/a .000
 05096+ + 5.0 021W3-LID-Out 7.31 .280 1988.0726_13:00 273.19 n/a .000
 05097+ + 5.0 021W4-LID-Out 1.54 .471 1988.0726_13:00 314.93 n/a .000
 05098+ + 5.0 021W5-LID-Out 5.02 .435 1988.0726_13:00 361.36 n/a .000
 05099+ SUM: 5.0 01BCEP-PH 31.95 .235 1988.0726_13:00 302.40 n/a .000
 05100+ R0088:CD0018-----Dtnin-ID:NYWD-----ARAAh-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.--DWFcms
 05101+ CONTINUOUS STANDHYD 5.0 01W3 5.76 .358 1988.0917_19:00 373.39 .580 .000
 05102+ R0088:CD0019-----Dtnin-ID:NYWD-----ARAAh-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.--DWFcms
 05103+ CONTINUOUS STANDHYD 5.0 01W3 8.51 .511 1988.0917_19:00 357.99 .555 .000
 05104+ R0088:CD0020-----Dtnin-ID:NYWD-----ARAAh-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.--DWFcms
 05105+ CONTINUOUS STANDHYD 5.0 01W3 10.03 .643 1988.0917_19:00 401.25 .623 .000
 05106+ (XIMP=.57;TIMP=.67)
 05107+ (LOSS= 2 CNW 100.0)
 05108+ [Previous] area: Iapres: 4.67;SLIP=2.00;LGF= 40.;MNP=250;SCF= .0)
 05109+ [Impervious] area: IAlimp: 1.57;SLIP= .50;LGI= 196.;MNI=0.013;SCI= .0)
 05110+ [IaREClipm: 1.50; iARECper: 6.00)
 05111+ [SMIN= 1.39; SMAX= 9.24; SKW= .000)
 05112+ R0088:CD0019-----Dtnin-ID:NYWD-----ARAAh-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.--DWFcms
 05113+ CONTINUOUS STANDHYD 5.0 01W3 8.51 .511 1988.0917_19:00 357.99 .555 .000
 05114+ R0088:CD0021-----Dtnin-ID:NYWD-----ARAAh-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.--DWFcms
 05115+ CONTINUOUS STANDHYD 5.0 01W3 10.03 .643 1988.0917_19:00 386.66 .598 .000
 05116+ (XIMP=.57;TIMP=.67)
 05117+ (LOSS= 2 CNW 100.0)
 05118+ [Previous] area: Iapres: 4.67;SLIP=2.00;LGF= 40.;MNP=250;SCF= .0)
 05119+ [Impervious] area: IAlimp: 1.57;SLIP= .50;LGI= 260.;MNI=0.013;SCI= .0)
 05120+ [IaREClipm: 1.50; iARECper: 6.00)
 05121+ [SMIN= 1.39; SMAX= 9.24; SKW= .000)
 05122+ R0088:CD0021-----Dtnin-ID:NYWD-----ARAAh-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.--DWFcms
 05123+ CONTINUOUS STANDHYD 5.0 01W3 10.03 .643 1988.0917_19:00 401.25 .623 .000
 05124+ (XIMP=.66;TIMP=.76)
 05125+ (LOSS= 2 CNW 100.0)
 05126+ [Previous] area: Iapres: 4.67;SLIP=2.00;LGF= 40.;MNP=250;SCF= .0)
 05127+ [Impervious] area: IAlimp: 1.57;SLIP= .50;LGI= 259.;MNI=0.013;SCI= .0)
 05128+ [IaREClipm: 1.50; iARECper: 6.00)
 05129+ [SMIN= 1.39; SMAX= 9.24; SKW= .000)
 05130+ R0088:CD0021-----Dtnin-ID:NYWD-----ARAAh-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.--DWFcms
 05131+ CONTINUOUS STANDHYD 5.0 01W3 10.11 .632 1988.0917_19:00 373.38 .598 .000
 05132+ (XIMP=.66;TIMP=.76)
 05133+ (LOSS= 2 CNW 100.0)
 05134+ [Previous] area: Iapres: 4.67;SLIP=2.00;LGF= 40.;MNP=250;SCF= .0)
 05135+ [Impervious] area: IAlimp: 1.57;SLIP= .50;LGI= 260.;MNI=0.013;SCI= .0)
 05136+ [IaREClipm: 1.50; iARECper: 6.00)
 05137+ [SMIN= 1.39; SMAX= 9.24; SKW= .000)
 05138+ R0088:CD0022-----Dtnin-ID:NYWD-----ARAAh-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.--DWFcms
 05139+ CONTINUOUS STANDHYD 5.0 01W3 10.11 .638 1988.0917_19:00 376.49 .585 .000
 05140+ R0088:CD0023-----Dtnin-ID:NYWD-----ARAAh-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.--DWFcms
 05141+ CONTINUOUS STANDHYD 5.0 01W3 7.81 .514 1988.0917_19:00 415.36 .645 .000
 05142+ (XIMP=.57;TIMP=.67)
 05143+ (LOSS= 2 CNW 100.0)
 05144+ [Previous] area: Iapres: 4.67;SLIP=2.00;LGF= 40.;MNP=250;SCF= .0)
 05145+ [Impervious] area: IAlimp: 1.57;SLIP= .50;LGI= 203.;MNI=0.013;SCI= .0)
 05146+ [IaREClipm: 1.50; iARECper: 6.00)
 05147+ [SMIN= 1.39; SMAX= 9.24; SKW= .000)
 05148+ R0088:CD0023-----Dtnin-ID:NYWD-----ARAAh-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.--DWFcms
 05149+ CONTINUOUS STANDHYD 5.0 01W3 7.81 .514 1988.0917_19:00 415.36 .645 .000
 05150+ R0088:CD0024-----Dtnin-ID:NYWD-----ARAAh-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.--DWFcms
 05151+ CONTINUOUS RAINFALL DATA 5.0 01W3 8.51 .514 1988.0917_19:00 373.38 .598 .000
 05152+ ** END OF RUN : 88

05153+ # CONTINUOUS RAINFALL DATA
 05154+ *** END OF RUN : 88

05155+ # CONTINUOUS RAINFALL DATA
 05156+ # CONTINUOUS RAINFALL DATA
 05157+ # CONTINUOUS RAINFALL DATA
 05158+ # CONTINUOUS RAINFALL DATA
 05159+ # CONTINUOUS RAINFALL DATA
 05160+ # CONTINUOUS RAINFALL DATA
 05161+ # CONTINUOUS RAINFALL DATA
 05162+ # CONTINUOUS RAINFALL DATA
 05163+ # CONTINUOUS RAINFALL DATA
 05164+ # CONTINUOUS RAINFALL DATA
 05165+ # CONTINUOUS RAINFALL DATA
 05166+ # CONTINUOUS RAINFALL DATA
 05167+ # CONTINUOUS RAINFALL DATA
 05168+ # CONTINUOUS RAINFALL DATA
 05169+ # CONTINUOUS RAINFALL DATA
 05170+ # CONTINUOUS RAINFALL DATA
 05171+ # CONTINUOUS RAINFALL DATA
 05172+ # CONTINUOUS RAINFALL DATA
 05173+ RUN:#COMMAND#
 05174+ R0088:CD0021-----
 05175+ # Run time = 0.00 hrs on 19809101)
 05176+ # METOUT= 2 (Imperial, 2=metric output)
 05177+ # TOUT= 100
 05178+ # NRUN = 0899)
 05179+ # *****
 05180+ # *****
 05181+ # *****
 05182+ # *****
 05183+ # Project Name: Barrhaven Conservancy Development
 05184+ # Model Number : 1
 05185+ # Date : 2021/01/18
 05186+ # Modeler : J.Burnett, P.Engineer
 05187+ # Updated : 1/2024/Mar/14 [P]
 05188+ # Company : Barrhaven Conservancy and Associates
 05189+ # License # : 282634
 05190+ # Address : 1000 Barrhaven Drive, Ottawa International Airport (1987 - 2003)
 05191+ # *****
 05192+ # *****
 05193+ # READ AAS Data
 05194+ # *****
 05195+ # Start date: 1989.0101; End date: 1989.1231
 05196+ # (DT=60,min; Length= 8040,hrs; NetPrecip= 422; DryHrs= 1618; PTOT= 523.20)
 05197+ # *****
 05198+ # *****
 05199+ # 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
 05200+ # 27.70 12.60 9.35 5.75 3.03 1.69 1.14 -.86 -.59
 05201+ # *****
 05202+ # Number of rainfall events per following interevent time
 05203+ # 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
 05204+ # 151 125 108 69 67 53 42 37 29
 05205+ # Number of events with at least the following durations
 05206+ # 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
 05207+ # 150 131 92 52 0 0 0 0 0 0
 05208+ R0088:CD0003-----
 05209+ # *****
 05210+ # *****
 05211+ # *****
 05212+ # *****
 05213+ # *****
 05214+ # *****
 05215+ R0088:CD0012-----Dtnin-ID:NYWD-----ARAAh-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.--DWFcms
 05216+ CONTINUOUS STANDHYD 5.0 01W3 5.76 .231 1989.0727_15:00 233.88 .447 .000
 05217+ (XIMP=.55;TIMP=.66)
 05218+ (LOSS= 2 CNW 71.0)
 05219+ [Previous] area: Iapres: 4.67;SLIP=2.00;LGF= 40.;MNP=250;SCF= .0)
 05220+ [Impervious] area: IAlimp: 1.57;SLIP= .50;LGI= 196.;MNI=0.013;SCI= .0)

05221+ [IaREClipm: 1.50; iARECper: 6.00)
 05222+ # *****
 05223+ # *****
 05224+ # *****
 05225+ # *****
 05226+ # *****
 05227+ R0089:CD0005-----Dtnin-ID:NYWD-----ARAAh-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.--DWFcms
 05228+ ROUTE RESERVOIR > 5.0 021W 5.76 .231 1989.0727_15:00 233.88 n/a .000
 05229+ out <= 5.0 01W2-LID 2.31 .001 1989.0322_13:35 215.57 n/a .000
 05230+ overflow <= 5.0 021W2-LID-Out 4.22 .227 1989.0727_15:00 233.88 n/a .000
 05231+ (MnStCodes_5599E-02 m3, TotDurVol=.985E+00 m3, N-Ovr= 100, TotDurOvf= 156 hrs.)
 05232+ R0089:CD0008-----Dtnin-ID:NYWD-----ARAAh-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.--DWFcms
 05233+ CONTINUOUS STANDHYD 5.0 01W3 9.31 .315 1989.0727_15:00 215.77 .412 .000
 05234+ (XIMP=.50;TIMP=.60)
 05235+ # *****
 05236+ [Previous] area: Iapres: 4.67;SLIP=2.00;LGF= 40.;MNP=250;SCF= .0)
 05237+ [Impervious] area: IAlimp: 1.57;SLIP= .50;LGI= 238.;MNI=0.013;SCI= .0)
 05238+ [IaREClipm: 1.50; iARECper: 6.00)
 05239+ (LOSS= 2 CNW 71.0)
 05240+ # Lid for Outlet W2 (19 catchbasins, 30 m long trench each)
 05241+ # Assumed 570 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
 05242+ (LOSS= 2 CNW 71.0)
 05243+ # Soil Infiltration rates assumed at 9mm/hr with a safety factor of 2.5
 05244+ R0089:CD0007-----Dtnin-ID:NYWD-----ARAAh-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.--DWFcms
 05245+ ROUTE RESERVOIR > 5.0 01W2-LID 2.31 .001 1989.0322_13:35 215.57 n/a .000
 05246+ out <= 5.0 01W2-LID-Out 2.31 .001 1989.0322_13:35 215.57 n/a .000
 05247+ overflow <= 5.0 01W2-LID-Out 4.22 1989.0727_15:00 215.57 n/a .000
 05248+ (MnStCodes_1109E-01 m3, TotDurVol=.182E+01 m3, N-Ovr= 100, TotDurOvf= 156 hrs.)
 05249+ R0089:CD0008-----Dtnin-ID:NYWD-----ARAAh-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.--DWFcms
 05250+ CONTINUOUS STANDHYD 5.0 01W3 10.03 .460 1989.0727_15:00 271.80 .520 .000
 05251+ (XIMP=.50;TIMP=.60)
 05252+ # *****
 05253+ [Previous] area: Iapres: 4.67;SLIP=2.00;LGF= 40.;MNP=250;SCF= .0)
 05254+ [Impervious] area: IAlimp: 1.57;SLIP= .50;LGI= 260.;MNI=0.013;SCI= .0)
 05255+ [IaREClipm: 1.50; iARECper: 6.00)
 05256+ (LOSS= 2 CNW 71.0)
 05257+ # *****
 05258+ R0089:CD0011-----Dtnin-ID:NYWD-----ARAAh-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.--DWFcms
 05259+ ROUTE RESERVOIR > 5.0 021W-LID 10.03 .460 1989.0727_15:00 271.80 n/a .000
 05260+ out <= 5.0 01W2-LID 1.74 .001 1989.0322_13:35 240.09 n/a .000
 05261+ overflow <= 5.0 01W2-LID-Out 2.43 .001 1989.0322_13:35 240.09 n/a .000
 05262+ (MnStCodes_1109E-01 m3, TotDurVol=.1701E+01 m3, N-Ovr= 99, TotDurOvf= 156 hrs.)
 05263+ R0089:CD0014-----Dtnin-ID:NYWD-----ARAAh-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.--DWFcms
 05264+ CONTINUOUS STANDHYD 5.0 01W3 7.81 .381 1989.0727_15:00 289.61 .554 .000
 05265+ (XIMP=.50;TIMP=.60)
 05266+ # *****
 05267+ [Previous] area: Iapres: 4.67;SLIP=2.00;LGF= 40.;MNP=250;SCF= .0)
 05268+ [Impervious] area: IAlimp: 1.57;SLIP= .50;LGI= 203.;MNI=0.013;SCI= .0)
 05269+ [IaREClipm: 1.50; iARECper: 6.00)
 05270+ (LOSS= 2 CNW 71.0)
 05271+ # *****
 05272+ R0089:CD0011-----Dtnin-ID:NYWD-----ARAAh-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.--DWFcms
 05273+ ROUTE RESERVOIR > 5.0 021W-LID 1.74 .001 1989.0322_13:35 240.09 n/a .000
 05274+ out <= 5.0 01W2-LID 2.43 .001 1989.0322_13:35 240.09 n/a .000
 05275+ overflow <= 5.0 01W2-LID-Out 3.15 2.44 1989.0727_15:00 240.09 n/a .000
 05276+ (MnStCodes_1109E-01 m3, TotDurVol=.1701E+01 m3, N-Ovr= 99, TotDurOvf= 156 hrs.)
 05277+ R0089:CD0014-----Dtnin-ID:NYWD-----ARAAh-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.--DWFcms
 05278+ CONTINUOUS STANDHYD 5.0 01W3 7.81 .381 1989.0727_15:00 240.09 n/a .000
 05279+ (XIMP=.50;TIMP=.60)
 05280+ # *****
 05281+ [Previous] area: Iapres: 4.67;SLIP=2.00;LGF= 40.;MNP=250;SCF= .0)
 05282+ [Impervious] area: IAlimp: 1.57;SLIP= .50;LGI= 260.;MNI=0.013;SCI= .0)
 05283+ [IaREClipm: 1.50; iARECper: 6.00)
 05284+ (LOSS= 2 CNW 71.0)
 05285+ # *****
 05286+ R0089:CD0014-----Dtnin-ID:NYWD-----ARAAh-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.--DWFcms
 05287+ CONTINUOUS STANDHYD 5.0 01W3 7.81 .381 1989.0727_15:00 240.09 n/a .000
 05288+ (XIMP=.50;TIMP=.60)
 05289+ # *****
 05290+ R0089:CD0015-----Dtnin-ID:NYWD-----ARAAh-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.--DWFcms
 05291+ CONTINUOUS STANDHYD 5.0 01W3 7.81 .381 1989.0727_15:00 240.09 n/a .000
 05292+ (XIMP=.50;TIMP=.60)
 05293+ # *****
 05294+ R0089:CD0016-----Dtnin-ID:NYWD-----ARAAh-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.--DWFcms
 05295+ CONTINUOUS STANDHYD 5.0 01W3 7.81 .381 1989.0727_15:00 240.09 n/a .000
 05296+ (XIMP=.50;TIMP=.60)
 05297+ # *****
 05298+ R0089:CD0017-----Dtnin-ID:NYWD-----ARAAh-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.--DWFcms
 05299+ CONTINUOUS STANDHYD 5.0 01W3 7.81 .381 1989.0727_15:00 240.09 n/a .000
 05300+ (XIMP=.50;TIMP=.60)
 05301+ # *****
 05302+ R0089:CD0018-----Dtnin-ID:NYWD-----ARAAh-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.--DWFcms
 05303+ CONTINUOUS STANDHYD 5.0 01W3 7.81 .381 1989.0727_15:00 240.09 n/a .000
 05304+ (XIMP=.50;TIMP=.60)
 05305+ # *****
 05306+ R0089:CD0019-----Dtnin-ID:NYWD-----ARAAh-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.--DWFcms
 05307+ CONTINUOUS STANDHYD 5.0 01W3 7.81 .381 1989.0727_15:00 240.09 n/a .000
 05308+ (XIMP=.50;TIMP=.60)
 05309+ # *****
 05310+ R0089:CD0020-----Dtnin-ID:NYWD-----ARAAh-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.--DWFcms
 05311+ CONTINUOUS STANDHYD 5.0 01W3 7.81 .381 1989.0727_15:00 240.09 n/a .000
 05312+ (XIMP=.50;TIMP=.60)
 05313+ # *****
 05314+ R0089:CD0021-----Dtnin-ID:NYWD-----ARAAh-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.--DWFcms
 05315+ CONTINUOUS STANDHYD 5.0 01W3 7.81 .381 1989.0727_15:00 240.09 n/a .000
 05316+ (XIMP=.50;TIMP=.60)
 05317+ # *****
 05318+ R0089:CD0022-----Dtnin-ID:NYWD-----ARAAh-QPEAKms-TpeakDate_hh:mm:---RvNm-R.C.--DWFcms
 05319+ CONTINUOUS STANDHYD 5.0 01W3 7.81 .381 1989.0727_15:00 2

05401- [TZERO = 2.00 hrs on 19900101]
 05402- [INSTRNMN= 0]
 05403- [INSTRNMN= 0]
 05404- RINFO:COMMAND#
 05405- R0909:CD0001
 05406- START
 05407- # SMMWMO Ver1.02/Jan 2001 (BETA) / INPUT DATA FILE
 05408- # Project Name: Barrhaven Conservancy Development
 05409- # Project Number: 1474
 05410- # Date: 2021-Oct/18
 05411- # Modeler : J.Burnett, P.Eng.
 05412- # Address : 1501 18th Street, Unit 101P
 05413- # Company : J.F. Sabourin and Associates
 05414- # License #: 2582634
 05415- #
 05416- # TOTRAINS: 0
 05417- # OTRAINS: 0
 05418- # SWRAH: 0
 05419- #
 05420- # SWRAH: 0
 05421- # SWRAH: 0
 05422- # SWRAH: 0
 05423- # OTRAINS: 0
 05424- # SWRAH: 0
 05425- # SWRAH: 0
 05426- # SWRAH: 0
 05427- # SWRAH: 0
 05428- # SWRAH: 0
 05429- # Maximum average rainfall intensities over
 05430- # 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 72 hrs
 05431- # 20.60 24.50 28.80 33.50 53.20 54.00 54.00 76.60 mm/hr
 05432- # 20.60 24.50 28.80 33.50 53.20 54.00 54.00 76.60 mm hr
 05433- 19900720 19900828 19900828 19900720 19900720 19900720 19900723 date
 05434- # Number of rainfall events per following interevent time
 05435- 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
 05436- 204 156 141 107 84 66 56 47 33
 05437- # Number of events with at least the following durations
 05438- 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
 05439- 203 116 77 31 6 0 0 0 0 0
 05440- R0909:CD0002
 05441- COMPUTE API
 05442- (#APImax= 75.10; AFavg= 23.47; APIavg= 3.10)
 05443- #
 05444- #
 05445- # Barrihaven Conservancy Development Phase 3 (WITH INFILTRATION) - POST DEVELOPMENT CONDITIONS
 05446- #
 05447- R0909:CD0004
 05448- CONTINUOUS STANDYND 5.0 01W1 5.76 .205 1990.0720_5:00 343.66 .472 .000
 05449- # (XIMP= 55;TITMP= .66)
 05450- # (ROUTE = CWD)
 05451- # (Previous area: Iapres: 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .01)
 05452- # (Impervious area: IaImp= 1.57:SLPI= .50:LGI= 196.:MNI=.013:SCI= .01)
 05453- # (SMIN= 41.38; SMAX=275.84; SK= .030)
 05454- # LID for Outlet W1 (4 catcatchbins, 30 m long trench each)
 05455- # Assumed 420 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
 05456- #
 05457- # READ ADS DATA
 05458- #
 05459- # Soil infiltration rates assumed at 8mm/hr with a safety factor of 2.5
 05460- R0909:CD0005-----DTIN-ID:NYHY---ARSAh-QPEAKms-TpeakDate_hh:mm---RVMn-R.C.--DWFcms
 05461- # ROUTE RESERVOIR-> 5.0 02W1 5.76 .205 1990.0720_5:00 343.66 n/a .000
 05462- # overflow <= 5.0 01W1-LID-Out 1.38 .001 1990.0312_17:15 343.66 n/a .000
 05463- # (MastCoSede..1130E+01 m3, TotVol=2063E+01 m3, TotSurf= 230.hrs)
 05464- R0909:CD0006-----DTIN-ID:NYHY---ARSAh-QPEAKms-TpeakDate_hh:mm---RVMn-R.C.--DWFcms
 05465- CONTINUOUS STANDYND 5.0 01W1 8.51 .279 1990.0720_5:00 318.93 .438 .000
 05466- #
 05467- # (LID= 2 CWD 71.0)
 05468- # (Previous area: Iapres: 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .01)
 05469- # (Impervious area: IaImp= 1.57:SLPI= .50:LGI= 196.:MNI=.013:SCI= .01)
 05470- # (SMIN= 41.38; SMAX=275.84; SK= .030)
 05471- # LID for Outlet W2 (28 catcatchbins, 30 m long trench each)
 05472- # Assumed 570 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
 05473- # Total Volume provided by LID 1.31 m³
 05474- #
 05475- # READ ADS DATA
 05476- R0909:CD0007-----DTIN-ID:NYHY---ARSAh-QPEAKms-TpeakDate_hh:mm---RVMn-R.C.--DWFcms
 05477- # ROUTE RESERVOIR-> 5.0 02W2 8.51 .279 1990.0720_5:00 318.93 n/a .000
 05478- # overflow <= 5.0 01W2-LID-Out 1.38 .001 1990.0312_17:15 343.66 n/a .000
 05479- # (MastCoSede..1130E+01 m3, TotVol=2063E+01 m3, TotSurf= 230.hrs)
 05480- R0909:CD0008-----DTIN-ID:NYHY---ARSAh-QPEAKms-TpeakDate_hh:mm---RVMn-R.C.--DWFcms
 05481- CONTINUOUS STANDYND 5.0 01W2 10.01 .383 1990.0720_5:00 365.69 .502 .000
 05482- #
 05483- # (LID= 2 CWD 71.0)
 05484- # (Previous area: Iapres: 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .01)
 05485- # (Impervious area: IaImp= 1.57:SLPI= .50:LGI= 196.:MNI=.013:SCI= .01)
 05486- # (SMIN= 41.38; SMAX=275.84; SK= .030)
 05487- # LID for Outlet W3 (28 catcatchbins, 30 m long trench each)
 05488- # Assumed 570 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
 05489- # Total Volume provided by LID 1.31 m³
 05490- #
 05491- # READ ADS DATA
 05492- #
 05493- # Soil infiltration rates assumed at 8mm/hr with a safety factor of 2.5
 05494- R0909:CD0009-----DTIN-ID:NYHY---ARSAh-QPEAKms-TpeakDate_hh:mm---RVMn-R.C.--DWFcms
 05495- # ROUTE RESERVOIR-> 5.0 02W3 10.01 .383 1990.0720_5:00 393.93 n/a .000
 05496- # overflow <= 5.0 01W3-LID-Out 1.38 .001 1990.0312_17:15 393.93 n/a .000
 05497- # (MastCoSede..1130E+01 m3, TotVol=2063E+01 m3, TotSurf= 228.hrs)
 05498- R0909:CD0010-----DTIN-ID:NYHY---ARSAh-QPEAKms-TpeakDate_hh:mm---RVMn-R.C.--DWFcms
 05499- CONTINUOUS STANDYND 5.0 01W3 10.11 .383 1990.0720_5:00 365.69 .502 .000
 05500- #
 05501- # (LID= 2 CWD 71.0)
 05502- # (Previous area: Iapres: 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .01)
 05503- # (Impervious area: IaImp= 1.57:SLPI= .50:LGI= 196.:MNI=.013:SCI= .01)
 05504- # (SMIN= 41.38; SMAX=275.84; SK= .030)
 05505- # LID for Outlet W4 (27 catcatchbins, 30 m long trench each)
 05506- # Assumed 420 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
 05507- # Total Volume provided by LID 1.31 m³
 05508- #
 05509- # READ ADS DATA
 05510- #
 05511- # Soil infiltration rates assumed at 8mm/hr with a safety factor of 2.5
 05512- R0909:CD0011-----DTIN-ID:NYHY---ARSAh-QPEAKms-TpeakDate_hh:mm---RVMn-R.C.--DWFcms
 05513- # ROUTE RESERVOIR-> 5.0 02W4 10.11 .383 1990.0720_5:00 365.69 n/a .000
 05514- # overflow <= 5.0 01W4-LID-Out 2.54 .001 1990.0312_17:20 365.70 n/a .000
 05515- # (MastCoSede..1130E+01 m3, TotVol=2063E+01 m3, TotSurf= 228.hrs)
 05516- R0909:CD0012-----DTIN-ID:NYHY---ARSAh-QPEAKms-TpeakDate_hh:mm---RVMn-R.C.--DWFcms
 05517- CONTINUOUS STANDYND 5.0 01W4 6.00 .226 1990.0720_5:00 351.63 .483 .000
 05518- #
 05519- # (LID= 2 CWD 71.0)
 05520- # (Previous area: Iapres: 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .01)
 05521- # (Impervious area: IaImp= 1.57:SLPI= .50:LGI= 203.:MNI=.013:SCI= .01)
 05522- # (SMIN= 41.38; SMAX=275.84; SK= .030)
 05523- # LID for Outlet W5 (28 catcatchbins, 30 m long trench each)
 05524- # Assumed 420 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
 05525- # Total Volume provided by LID 1.10 m³
 05526- #
 05527- # READ ADS DATA
 05528- #
 05529- # Soil infiltration rates assumed at 8mm/hr with a safety factor of 2.5
 05530- R0909:CD0013-----DTIN-ID:NYHY---ARSAh-QPEAKms-TpeakDate_hh:mm---RVMn-R.C.--DWFcms
 05531- # ROUTE RESERVOIR-> 5.0 02W5 6.00 .226 1990.0720_5:00 351.63 n/a .000
 05532- # overflow <= 5.0 01W5-LID-Out 1.03 .411 1990.0720_5:00 393.94 n/a .000
 05533- # (MastCoSede..1130E+01 m3, TotVol=2063E+01 m3, TotSurf= 227.hrs)
 05534- R0909:CD0014-----DTIN-ID:NYHY---ARSAh-QPEAKms-TpeakDate_hh:mm---RVMn-R.C.--DWFcms
 05535- CONTINUOUS STANDYND 5.0 01W5 7.81 .341 1990.0720_5:00 417.73 n/a .000
 05536- #
 05537- # (ROUTE = CWD)
 05538- # (Previous area: Iapres: 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .01)
 05539- # (Impervious area: IaImp= 1.57:SLPI= .50:LGI= 228.:MNI=.013:SCI= .01)
 05540- # (SMIN= 41.38; SMAX=275.84; SK= .030)
 05541- # LID for Outlet W6 (24 catcatchbins, 30 m long trench each)
 05542- # Assumed 420 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
 05543- # Total Volume provided by LID 1.10 m³
 05544- #
 05545- # READ ADS DATA
 05546- #
 05547- # Soil infiltration rates assumed at 8mm/hr with a safety factor of 2.5
 05548- R0909:CD0015-----DTIN-ID:NYHY---ARSAh-QPEAKms-TpeakDate_hh:mm---RVMn-R.C.--DWFcms
 05549- # ROUTE RESERVOIR-> 5.0 02W6 7.81 .341 1990.0720_5:00 417.73 n/a .000
 05550- # overflow <= 5.0 01W6-LID-Out 1.99 .001 1990.0312_17:20 417.73 n/a .000
 05551- # (MastCoSede..1130E+01 m3, TotVol=2063E+01 m3, TotSurf= 227.hrs)
 05552- R0909:CD0016-----DTIN-ID:NYHY---ARSAh-QPEAKms-TpeakDate_hh:mm---RVMn-R.C.--DWFcms
 05553- CONTINUOUS STANDYND 5.0 01W6 8.81 .341 1990.0720_5:00 417.73 n/a .000
 05554- #
 05555- # (ROUTE = CWD)
 05556- # (Previous area: Iapres: 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .01)
 05557- # (Impervious area: IaImp= 1.57:SLPI= .50:LGI= 228.:MNI=.013:SCI= .01)
 05558- # (SMIN= 41.38; SMAX=275.84; SK= .030)
 05559- # LID for Outlet W7 (24 catcatchbins, 30 m long trench each)
 05560- # Assumed 420 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
 05561- # Total Volume provided by LID 1.10 m³
 05562- #
 05563- # READ ADS DATA
 05564- #
 05565- # Soil infiltration rates assumed at 8mm/hr with a safety factor of 2.5
 05566- R0909:CD0017-----DTIN-ID:NYHY---ARSAh-QPEAKms-TpeakDate_hh:mm---RVMn-R.C.--DWFcms
 05567- # ROUTE RESERVOIR-> 5.0 02W7 8.81 .341 1990.0720_5:00 417.73 n/a .000
 05568- # overflow <= 5.0 01W7-LID-Out 1.99 .001 1990.0312_17:20 417.73 n/a .000
 05569- # (MastCoSede..1130E+01 m3, TotVol=2063E+01 m3, TotSurf= 227.hrs)
 05570- R0909:CD0018-----DTIN-ID:NYHY---ARSAh-QPEAKms-TpeakDate_hh:mm---RVMn-R.C.--DWFcms
 05571- CONTINUOUS STANDYND 5.0 01W7 9.81 .341 1990.0720_5:00 417.73 n/a .000
 05572- #
 05573- # (ROUTE = CWD)
 05574- # (Previous area: Iapres: 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .01)
 05575- # (Impervious area: IaImp= 1.57:SLPI= .50:LGI= 228.:MNI=.013:SCI= .01)
 05576- # (SMIN= 41.38; SMAX=275.84; SK= .030)
 05577- # LID for Outlet W8 (16 catcatchbins, 30 m long trench each)
 05578- # Assumed 420 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
 05579- # Total Volume provided by LID 1.10 m³
 05580- #
 05581- # READ ADS DATA
 05582- #
 05583- # Soil infiltration rates assumed at 8mm/hr with a safety factor of 2.5
 05584- R0909:CD0019-----DTIN-ID:NYHY---ARSAh-QPEAKms-TpeakDate_hh:mm---RVMn-R.C.--DWFcms
 05585- # ROUTE RESERVOIR-> 5.0 02W8 10.81 .341 1990.0720_5:00 417.73 n/a .000
 05586- # overflow <= 5.0 01W8-LID-Out 2.02 .202 1990.0720_5:00 318.93 n/a .000
 05587- # (MastCoSede..1130E+01 m3, TotVol=2063E+01 m3, TotSurf= 227.hrs)
 05588- R0909:CD0020-----DTIN-ID:NYHY---ARSAh-QPEAKms-TpeakDate_hh:mm---RVMn-R.C.--DWFcms
 05589- CONTINUOUS STANDYND 5.0 01W8 10.81 .341 1990.0720_5:00 417.73 n/a .000
 05590- #
 05591- # (ROUTE = CWD)
 05592- # (Previous area: Iapres: 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .01)
 05593- # (Impervious area: IaImp= 1.57:SLPI= .50:LGI= 228.:MNI=.013:SCI= .01)
 05594- # (SMIN= 41.38; SMAX=275.84; SK= .030)
 05595- # LID for Outlet W9 (24 catcatchbins, 30 m long trench each)
 05596- # Assumed 420 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
 05597- # Total Volume provided by LID 1.10 m³
 05598- #
 05599- # READ ADS DATA
 05600- #
 05601- # Soil infiltration rates assumed at 8mm/hr with a safety factor of 2.5
 05602- R0909:CD0021-----DTIN-ID:NYHY---ARSAh-QPEAKms-TpeakDate_hh:mm---RVMn-R.C.--DWFcms
 05603- # ROUTE RESERVOIR-> 5.0 02W9 10.81 .341 1990.0720_5:00 417.73 n/a .000
 05604- # overflow <= 5.0 01W9-LID-Out 2.02 .202 1990.0720_5:00 318.93 n/a .000
 05605- # (MastCoSede..1130E+01 m3, TotVol=2063E+01 m3, TotSurf= 227.hrs)
 05606- R0909:CD0022-----DTIN-ID:NYHY---ARSAh-QPEAKms-TpeakDate_hh:mm---RVMn-R.C.--DWFcms
 05607- CONTINUOUS STANDYND 5.0 01W9 10.81 .341 1990.0720_5:00 417.73 n/a .000
 05608- #
 05609- # (ROUTE = CWD)
 05610- # (Previous area: Iapres: 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .01)
 05611- # (Impervious area: IaImp= 1.57:SLPI= .50:LGI= 228.:MNI=.013:SCI= .01)
 05612- # (SMIN= 41.38; SMAX=275.84; SK= .030)
 05613- # LID for Outlet W10 (24 catcatchbins, 30 m long trench each)
 05614- # Assumed 420 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
 05615- # Total Volume provided by LID 1.10 m³
 05616- #
 05617- # READ ADS DATA
 05618- #
 05619- # Soil infiltration rates assumed at 8mm/hr with a safety factor of 2.5
 05620- R0909:CD0023-----DTIN-ID:NYHY---ARSAh-QPEAKms-TpeakDate_hh:mm---RVMn-R.C.--DWFcms
 05621- # ROUTE RESERVOIR-> 5.0 02W10 10.81 .341 1990.0720_5:00 417.73 n/a .000
 05622- # overflow <= 5.0 01W10-LID-Out 2.02 .202 1990.0720_5:00 318.93 n/a .000
 05623- # (MastCoSede..1130E+01 m3, TotVol=2063E+01 m3, TotSurf= 227.hrs)
 05624- R0909:CD0024-----DTIN-ID:NYHY---ARSAh-QPEAKms-TpeakDate_hh:mm---RVMn-R.C.--DWFcms
 05625- CONTINUOUS STANDYND 5.0 01W10 10.81 .341 1990.0720_5:00 417.73 n/a .000
 05626- #
 05627- # (ROUTE = CWD)
 05628- # (Previous area: Iapres: 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .01)
 05629- # (Impervious area: IaImp= 1.57:SLPI= .50:LGI= 228.:MNI=.013:SCI= .01)
 05630- # (SMIN= 41.38; SMAX=275.84; SK= .030)
 05631- # LID for Outlet W11 (24 catcatchbins, 30 m long trench each)
 05632- # Assumed 420 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
 05633- # Total Volume provided by LID 1.10 m³
 05634- #
 05635- # READ ADS DATA
 05636- #
 05637- # Soil infiltration rates assumed at 8mm/hr with a safety factor of 2.5
 05638- R0909:CD0025-----DTIN-ID:NYHY---ARSAh-QPEAKms-TpeakDate_hh:mm---RVMn-R.C.--DWFcms
 05639- # ROUTE RESERVOIR-> 5.0 02W11 10.81 .341 1990.0720_5:00 417.73 n/a .000
 05640- # overflow <= 5.0 01W11-LID-Out 2.02 .202 1990.0720_5:00 318.93 n/a .000
 05641- # (MastCoSede..1130E+01 m3, TotVol=2063E+01 m3, TotSurf= 227.hrs)
 05642- R0909:CD0026-----DTIN-ID:NYHY---ARSAh-QPEAKms-TpeakDate_hh:mm---RVMn-R.C.--DWFcms
 05643- CONTINUOUS STANDYND 5.0 01W11 10.81 .341 1990.0720_5:00 417.73 n/a .000
 05644- #
 05645- # (ROUTE = CWD)
 05646- # (Previous area: Iapres: 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .01)
 05647- # (Impervious area: IaImp= 1.57:SLPI= .50:LGI= 228.:MNI=.013:SCI= .01)
 05648- # (SMIN= 41.38; SMAX=275.84; SK= .030)
 05649- # LID for Outlet W12 (24 catcatchbins, 30 m long trench each)
 05650- # Assumed 420 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
 05651- # Total Volume provided by LID 1.10 m³
 05652- #
 05653- # READ ADS DATA
 05654- #
 05655- # Soil infiltration rates assumed at 8mm/hr with a safety factor of 2.5
 05656- R0909:CD0027-----DTIN-ID:NYHY---ARSAh-QPEAKms-TpeakDate_hh:mm---RVMn-R.C.--DWFcms
 05657- # ROUTE RESERVOIR-> 5.0 02W12 10.81 .341 1990.0720_5:00 417.73 n/a .000
 05658- # overflow <= 5.0 01W12-LID-Out 2.02 .202 1990.0720_5:00 318.93 n/a .000
 05659- # (MastCoSede..1130E+01 m3, TotVol=2063E+01 m3, TotSurf= 227.hrs)
 05660- R0909:CD0028-----DTIN-ID:NYHY---ARSAh-QPEAKms-TpeakDate_hh:mm---RVMn-R.C.--DWFcms
 05661- CONTINUOUS STANDYND 5.0 01W12 10.81 .341 1990.0720_5:00 417.73 n/a .000
 05662- #
 05663- # (ROUTE = CWD)
 05664- # (Previous area: Iapres: 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .01)
 05665- # (Impervious area: IaImp= 1.57:SLPI= .50:LGI= 228.:MNI=.013:SCI= .01)
 05666- # (SMIN= 41.38; SMAX=275.84; SK= .030)
 05667- # LID for Outlet W13 (24 catcatchbins, 30 m long trench each)
 05668- # Assumed 420 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
 05669- # Total Volume provided by LID 1.10 m³
 05670- #
 05671- # READ ADS DATA
 05672- #
 05673- # Soil infiltration rates assumed at 8mm/hr with a safety factor of 2.5
 05674- R0909:CD0029-----DTIN-ID:NYHY---ARSAh-QPEAKms-TpeakDate_hh:mm---RVMn-R.C.--DWFcms
 05675- # ROUTE RESERVOIR-> 5.0 02W13 10.81 .341 1990.0720_5:00 417.73 n/a .000
 05676- # overflow <= 5.0 01W13-LID-Out 2.02 .202 1990.0720_5:00 318.93 n/a .000
 05677- # (MastCoSede..1130E+01 m3, TotVol=2063E+01 m3, TotSurf= 227.hrs)
 05678- R0909:CD0030-----DTIN-ID:NYHY---ARSAh-QPEAKms-TpeakDate_hh:mm---RVMn-R.C.--DWFcms
 05679- CONTINUOUS STANDYND 5.0 01W13 10.81 .341 1990.0720_5:00 417.73 n/a .000
 05680- #
 05681- # (ROUTE = CWD)
 05682- # (Previous area: Iapres: 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .01)
 05683- # (Impervious area: IaImp= 1.57:SLPI= .50:LGI= 228.:MNI=.013:SCI= .01)
 05684- # (SMIN= 41.38; SMAX=275.84; SK= .030)
 05685- # LID for Outlet W14 (24 catcatchbins, 30 m long trench each)
 05686- # Assumed 420 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
 05687- # Total Volume provided by LID 1.10 m³
 05688- #
 05689- # READ ADS DATA
 05690- #
 05691- # Soil infiltration rates assumed at 8mm/hr with a safety factor of 2.5
 05692- R0909:CD0031-----DTIN-ID:NYHY---ARSAh-QPEAKms-TpeakDate_hh:mm---RVMn-R.C.--DWFcms
 05693- # ROUTE RESERVOIR-> 5.0 02W14 10.81 .341 1990.0720_5:00 417.73 n/a .000
 05694- # overflow <= 5.0 01W14-LID-Out 2.02 .202 1990.0720_5:00 318.93 n/a .000
 05695- # (MastCoSede..1130E+01 m3, TotVol=2063E+01 m3, TotSurf= 227.hrs)
 05696- R0909:CD0032-----DTIN-ID:NYHY---ARSAh-QPEAKms-TpeakDate_hh:mm---RVMn-R.C.--DWFcms
 05697- CONTINUOUS STANDYND 5.0 01W14 10.81 .341 1990.0720_5:00 417.73 n/a .000
 05698- #
 05699- # (ROUTE = CWD)
 05700- # (Previous area: Iapres: 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .01)<

05761# out <= 5.0 03:W5-LID-Out 1.95 .001 1991.0302_6:45 258.64 n/a .000
 05762# covered<= 5.0 03:W5-LID-Out 1.28 .001 1991.0302_6:45 258.64 n/a .000
 05763# [MastGatede...1100E-01 m3, TotVolV=1.100E+01 m3, N=0, TotSurf=1.100E+01 m3]
 05764# RO091:CO0014-----Dtn-ID:INHYD-----ARAh-a-QPEAKms-TpeakDate_hh:mm----RvNm-R.C.--DWFcms
 05765# CONTINUOUS STANDHY 5.0 01:INF-W2 7.81 .192 1991.0410_3:00 311.26 .560 .000
 05766# [LLOSS= 2 CNW 71.0]
 05767# [Fervous area: Iapres 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0]
 05768# [SMIN= 41.38 :SMAX=275.84: SK= .000]
 05769# LID for outlet W1 (14 catchbasins, 30 m long trench each)
 05770# Assumed 720 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
 05771# Total Volume provided by LID = 165 'm'
 05772# ADD HYD
 05773# LID infiltration rates assumed at 9mm/hr with a safety factor of 2.5
 05774# Total Volume provided by LID = 99mm/hr with a safety factor of 2.5
 05775# Dtn-ID:INHYD-----ARAh-a-QPEAKms-TpeakDate_hh:mm----RvNm-R.C.--DWFcms
 05776# ROUTE RESERVOIR--> 5.0 02:W6 7.81 .192 1991.0410_3:00 311.27 n/a .000
 05777# out <= 5.0 01:W6-LID-Out 2.45 .001 1991.0410_3:00 258.64 n/a .000
 05778# covered<= 5.0 01:W6-LID-Out 1.16 .001 1991.0410_3:00 258.64 n/a .000
 05779# [MastGatede...1149E-01 m3, TotVolV=1.166E+01 m3, N=0, TotSurf=186.hrs]
 05780# RO091:CO0016-----Dtn-ID:INHYD-----ARAh-a-QPEAKms-TpeakDate_hh:mm----RvNm-R.C.--DWFcms
 05781# ADD HYD
 05782# out <= 5.0 02:W1-LID-Out 7.81 .192 1991.0410_3:00 311.27 n/a .000
 05783# covered<= 5.0 02:W1-LID-Out 8.51 .167 1991.0410_3:00 232.57 n/a .000
 05784# out <= 5.0 02:W2-LID-Out 10.3 .232 1991.0410_3:00 258.64 n/a .000
 05785# covered<= 5.0 02:W2-LID-Out 10.1 .232 1991.0410_3:00 258.64 n/a .000
 05786# out <= 5.0 02:W3-LID-Out 6.20 .194 1991.0410_3:00 258.64 n/a .000
 05787# covered<= 5.0 02:W3-LID-Out 7.81 .192 1991.0410_3:00 311.27 n/a .000
 05788# [SMIN= 41.38 :SMAX=275.84: SK= .000]
 05789# RO091:CO0017-----Dtn-ID:INHYD-----ARAh-a-QPEAKms-TpeakDate_hh:mm----RvNm-R.C.--DWFcms
 05790# ADD HYD
 05791# 5.0 02:W1-LID-Out 4.04 .119 1991.0410_3:00 252.05 n/a .000
 05792# out <= 5.0 02:W1-LID-Out 4.04 .119 1991.0410_3:00 252.05 n/a .000
 05793# covered<= 5.0 02:W1-LID-Out 5.92 .227 1991.0410_3:00 292.45 n/a .000
 05794# out <= 5.0 02:W2-LID-Out 6.94 .236 1991.0410_3:00 269.85 n/a .000
 05795# covered<= 5.0 02:W2-LID-Out 6.94 .236 1991.0410_3:00 269.85 n/a .000
 05796# out <= 5.0 02:W3-LID-Out 5.36 .188 1991.0410_3:00 311.27 n/a .000
 05797# covered<= 5.0 02:W3-LID-Out 33.44 1.040 1991.0410_3:00 270.96 n/a .000
 05798# [Fervous area: Iapres 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0]
 05799# *** Barrhaven Conservancy Development Phase 3 (WITHOUT INFILTRATION) - POST DEVELOPMENT CONDITIONS
 05800# *** See infiltration to 0 (CN = 99.99) for water balance analysis
 05801# ***
 05802# RO091:CO0018-----Dtn-ID:INHYD-----ARAh-a-QPEAKms-TpeakDate_hh:mm----RvNm-R.C.--DWFcms
 05803# CONTINUOUS STANDHY 5.0 01:INF-W2 5.76 .163 1991.0409_1:00 317.67 .571 .000
 05804# [LLOSS= 2 CNW 76.0]
 05805# [Fervous area: Iapres 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0]
 05806# [Impervious area: Iapres 1.57:SLPP= .50:LGF= 196.:MNP=0.013:SCP= .0]
 05807# [IaREClipm 1.50!:IaRECPer= 6.00]
 05808# [SMIN= 1.39 :SMAX= 9.24: SK= .000]
 05809# RO091:CO0019-----Dtn-ID:INHYD-----ARAh-a-QPEAKms-TpeakDate_hh:mm----RvNm-R.C.--DWFcms
 05810# CONTINUOUS STANDHY 5.0 01:INF-W2 8.51 .231 1991.0409_1:00 302.66 .544 .000
 05811# [XMP= 50:TIMP= .60]
 05812# out <= 5.0 01:INF-W2 8.51 .231 1991.0409_1:00 302.66 .544 .000
 05813# [Fervous area: Iapres 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0]
 05814# [Impervious area: Iapres 1.57:SLPP= .50:LGF= 238.:MNP=0.013:SCP= .0]
 05815# [IaREClipm 1.50!:IaRECPer= 6.00]
 05816# [SMIN= 1.39 :SMAX= 9.24: SK= .000]
 05817# RO091:CO0020-----Dtn-ID:INHYD-----ARAh-a-QPEAKms-TpeakDate_hh:mm----RvNm-R.C.--DWFcms
 05818# CONTINUOUS STANDHY 5.0 01:INF-W2 10.03 .290 1991.0409_1:00 344.17 .619 .000
 05819# [XMP= 64:TIMP= .70]
 05820# out <= 5.0 01:INF-W2 10.03 .290 1991.0409_1:00 344.17 .619 .000
 05821# [LLOSS= 2 CNW 100.0]
 05822# [Fervous area: Iapres 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0]
 05823# [Impervious area: Iapres 1.57:SLPP= .50:LGF= 228.:MNP=0.013:SCP= .0]
 05824# [IaREClipm 1.50!:IaRECPer= 6.00]
 05825# [SMIN= 1.39 :SMAX= 9.24: SK= .000]
 05826# RO091:CO0022-----Dtn-ID:INHYD-----ARAh-a-QPEAKms-TpeakDate_hh:mm----RvNm-R.C.--DWFcms
 05827# CONTINUOUS STANDHY 5.0 01:INF-W2 6.20 .176 1991.0409_1:00 320.69 .577 .000
 05828# [XMP= 57:TIMP= .67]
 05829# out <= 5.0 01:INF-W2 6.20 .176 1991.0409_1:00 320.69 .577 .000
 05830# [Fervous area: Iapres 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0]
 05831# [Impervious area: Iapres 1.57:SLPP= .50:LGF= 203.:MNP=0.013:SCP= .0]
 05832# [IaREClipm 1.50!:IaRECPer= 6.00]
 05833# [SMIN= 1.39 :SMAX= 9.24: SK= .000]
 05834# RO091:CO0023-----Dtn-ID:INHYD-----ARAh-a-QPEAKms-TpeakDate_hh:mm----RvNm-R.C.--DWFcms
 05835# CONTINUOUS STANDHY 5.0 01:INF-W2 6.20 .176 1991.0409_1:00 320.69 .577 .000
 05836# [XMP= 57:TIMP= .67]
 05837# out <= 5.0 01:INF-W2 6.20 .176 1991.0409_1:00 320.69 .577 .000
 05838# [Fervous area: Iapres 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0]
 05839# [Impervious area: Iapres 1.57:SLPP= .50:LGF= 203.:MNP=0.013:SCP= .0]
 05840# [IaREClipm 1.50!:IaRECPer= 6.00]
 05841# [SMIN= 1.39 :SMAX= 9.24: SK= .000]
 05842# RO091:CO0024-----Dtn-ID:INHYD-----ARAh-a-QPEAKms-TpeakDate_hh:mm----RvNm-R.C.--DWFcms
 05843# CONTINUOUS STANDHY 5.0 01:INF-W2 7.81 .232 1991.0409_1:00 357.50 .643 .000
 05844# [XMP= 71:TIMP= .81]
 05845# out <= 5.0 01:INF-W2 7.81 .232 1991.0409_1:00 357.50 .643 .000
 05846# [Fervous area: Iapres 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0]
 05847# [Impervious area: Iapres 1.57:SLPP= .50:LGF= 228.:MNP=0.013:SCP= .0]
 05848# [IaREClipm 1.50!:IaRECPer= 6.00]
 05849# [SMIN= 1.39 :SMAX= 9.24: SK= .000]
 05850# RO091:CO0024-----Dtn-ID:INHYD-----ARAh-a-QPEAKms-TpeakDate_hh:mm----RvNm-R.C.--DWFcms
 05851# ADD HYD
 05852# out <= 5.0 01:INF-W2 8.51 .231 1991.0409_1:00 302.66 .544 .000
 05853# [Fervous area: Iapres 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0]
 05854# [Impervious area: Iapres 1.57:SLPP= .50:LGF= 238.:MNP=0.013:SCP= .0]
 05855# [IaREClipm 1.50!:IaRECPer= 6.00]
 05856# [SMIN= 1.39 :SMAX= 9.24: SK= .000]
 05857# RO091:CO0025-----Dtn-ID:INHYD-----ARAh-a-QPEAKms-TpeakDate_hh:mm----RvNm-R.C.--DWFcms
 05858# out <= 5.0 01:INF-W2 8.51 .231 1991.0409_1:00 302.66 .544 .000
 05859# [Fervous area: Iapres 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0]
 05860# [Impervious area: Iapres 1.57:SLPP= .50:LGF= 238.:MNP=0.013:SCP= .0]
 05861# [IaREClipm 1.50!:IaRECPer= 6.00]
 05862# [SMIN= 1.39 :SMAX= 9.24: SK= .000]
 05863# RO091:CO0026-----Dtn-ID:INHYD-----ARAh-a-QPEAKms-TpeakDate_hh:mm----RvNm-R.C.--DWFcms
 05864# out <= 5.0 01:INF-W2 8.51 .231 1991.0409_1:00 302.66 .544 .000
 05865# [Fervous area: Iapres 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0]
 05866# [Impervious area: Iapres 1.57:SLPP= .50:LGF= 238.:MNP=0.013:SCP= .0]
 05867# [IaREClipm 1.50!:IaRECPer= 6.00]
 05868# [SMIN= 1.39 :SMAX= 9.24: SK= .000]
 05869# RO091:CO0027-----Dtn-ID:INHYD-----ARAh-a-QPEAKms-TpeakDate_hh:mm----RvNm-R.C.--DWFcms
 05870# ADD HYD
 05871# out <= 5.0 01:INF-W2 8.51 .231 1991.0409_1:00 302.66 .544 .000
 05872# [Fervous area: Iapres 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0]
 05873# [Impervious area: Iapres 1.57:SLPP= .50:LGF= 238.:MNP=0.013:SCP= .0]
 05874# [IaREClipm 1.50!:IaRECPer= 6.00]
 05875# [SMIN= 1.39 :SMAX= 9.24: SK= .000]
 05876# RO091:CO0028-----Dtn-ID:INHYD-----ARAh-a-QPEAKms-TpeakDate_hh:mm----RvNm-R.C.--DWFcms
 05877# out <= 5.0 01:INF-W2 8.51 .231 1991.0409_1:00 302.66 .544 .000
 05878# [Fervous area: Iapres 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0]
 05879# [Impervious area: Iapres 1.57:SLPP= .50:LGF= 238.:MNP=0.013:SCP= .0]
 05880# [IaREClipm 1.50!:IaRECPer= 6.00]
 05881# [SMIN= 1.39 :SMAX= 9.24: SK= .000]
 05882# RO091:CO0029-----Dtn-ID:INHYD-----ARAh-a-QPEAKms-TpeakDate_hh:mm----RvNm-R.C.--DWFcms
 05883# out <= 5.0 01:INF-W2 8.51 .231 1991.0409_1:00 302.66 .544 .000
 05884# [Fervous area: Iapres 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0]
 05885# [Impervious area: Iapres 1.57:SLPP= .50:LGF= 238.:MNP=0.013:SCP= .0]
 05886# [IaREClipm 1.50!:IaRECPer= 6.00]
 05887# [SMIN= 1.39 :SMAX= 9.24: SK= .000]
 05888# RO091:CO0029-----Dtn-ID:INHYD-----ARAh-a-QPEAKms-TpeakDate_hh:mm----RvNm-R.C.--DWFcms
 05889# CONTINUOUS RAINFALL DATA
 05890# *** END OF RUN : 91

06122+ * REA8S DATA
[Filename = YOM_1967_2007_123] 1
06123+ [Date=1967-01-01;End Date=1993-01-01;Wetness= 585; DryHrs= 8175; PTO= 721.30]
06124+ (DT= 60:min; Length= 8760.hrs; Wetness= 585; DryHrs= 8175; PTO= 721.30)
06125+ Maximum average rainfall intensities over
06126+ 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
06127+ 12.60 6.60 3.83 3.72 3.58 2.31 1.61 1.21 .81 mm/hr
06128+ 12.60 13.20 14.50 22.30 43.00 55.50 58.10 58.10 mm
06129+ 19930703 0000 19930703 0000 19930703 0000 19930703 0000 19930703 0000
06130+ Number of rainfall events per following interevent time
06131+ 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
06132+ 1.91 1.154 1.191 1.154 1.191 1.154 1.191 1.154 1.191
06133+ Number of events with at least the following durations
06134+ 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
06135+ 1.90 1.118 27 7 2 0 0 0 0
R0931:CO0003:000003-----Dtn-ID:NYHD-----REA8a-QPEAKms-TpeakData_hh:mm::--RvNm-R.C.--DWFcms
06136+ COMPUTE API
06137+ [APIfnl= 50.00: APIIdy= .8000: APIKdn= .9956]
06138+ [INM= 41.38: SMAX= 275.84: SK= .030]
06139+ [SMIN= 41.38: SMAX= 275.84: SK= .030]
06140+ #-----
06141+ * Barrhaven Conservancy Development Phase 3 (WITH INFILTRATION) - POST DEVELOPMENT CONDITIONS
06142+ #-----
06143+ R0931:CO0004:000004-----Dtn-ID:NYHD-----REA8a-QPEAKms-TpeakData_hh:mm::--RvNm-R.C.--DWFcms
06144+ CONTINUOUS STANDHY 5.0 01:INF-1 5.76 .113 1993.0703_9:00 330.14 .458 .000
06145+ [ROUTE RESERVOIR<= 5.0 01:INF-1;LID<= 5.76]
06146+ (LOS= 2 :CN= 71.0)
06147+ [Fervous area: Iapres= 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0]
06148+ [Impervious area: Ialimp= 1.57:SLP1=.50:LGI= 196.:MNP=013:SCI= .0]
06149+ [iaREClipm= 1.50: iARECPer= 6.00]
06150+ [SMIN= 41.38: SMAX= 275.84: SK= .030]
06151+ # LID for outlet W3 (28 catchbasins, 30 m long trench each)
06152+ # Assumed 420 m long trench, 1.25 m wide, porosity of 0.40 with 250 mm diameter perforated pipe
06153+ # Total Volume provided by LID = 96 m³
06154+ # Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
06155+ R0931:CO0005:000005-----Dtn-ID:NYHD-----REA8a-QPEAKms-TpeakData_hh:mm::--RvNm-R.C.--DWFcms
06156+ ROUTE RESERVOIR-> 5.0 02:INF-1 5.76 .113 1993.0703_9:00 330.14 n/a .000
06157+ out <= 5.0 02:INF-1:LID<= 5.76
06158+ overflow <= 5.0 02:INF-1:LID-Out 6.08 .148 1993.0703_9:00 304.80 n/a .000
06159+ [MNGt:01edc_199306-01 m3, TotCrvVol:199306-01 m3, N-Ofw= 150, TotDwrf= 232, hrs]
06160+ R0931:CO0010:000010-----Dtn-ID:NYHD-----REA8a-QPEAKms-TpeakData_hh:mm::--RvNm-R.C.--DWFcms
06161+ CONTINUOUS STANDHY 5.0 01:INF-1 8.51 .150 1993.0703_9:00 304.80 .423 .000
06162+ (XMIN=.50:TIME=.70)
06163+ [LOS= 2 :CN= 71.0]
06164+ [Fervous area: Iapres= 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0]
06165+ [Impervious area: Ialimp= 1.57:SLP1=.50:LGI= 238.:MNP=013:SCI= .0]
06166+ [iaREClipm= 1.50: iARECPer= 6.00]
06167+ # LID for outlet W3 (28 catchbasins, 30 m long trench each)
06168+ # Assumed 570 m long trench, 1.25 m wide, porosity of 0.40 with 250 mm diameter perforated pipe
06169+ # Total Volume provided by LID = 113 m³
06170+ # Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
06171+ R0931:CO0007:000007-----Dtn-ID:NYHD-----REA8a-QPEAKms-TpeakData_hh:mm::--RvNm-R.C.--DWFcms
06172+ ROUTE RESERVOIR-> 5.0 02:INF-1 5.76 .113 1993.0703_9:00 330.14 n/a .000
06173+ out <= 5.0 02:INF-1:LID<= 5.76
06174+ overflow <= 5.0 02:INF-1:LID-Out 6.08 .148 1993.0703_9:00 304.80 n/a .000
06175+ [MNGt:01edc_199306-01 m3, TotCrvVol:199306-01 m3, N-Ofw= 150, TotDwrf= 232, hrs]
06176+ R0931:CO0011:000011-----Dtn-ID:NYHD-----REA8a-QPEAKms-TpeakData_hh:mm::--RvNm-R.C.--DWFcms
06177+ CONTINUOUS STANDHY 5.0 01:INF-1 10.03 .229 1993.0703_9:00 382.29 .530 .000
06178+ (XMIN=.50:TIME=.70)
06179+ [LOS= 2 :CN= 71.0]
06180+ [Fervous area: Iapres= 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0]
06181+ [Impervious area: Ialimp= 1.57:SLP1=.50:LGI= 259.:MNP=013:SCI= .0]
06182+ [iaREClipm= 1.50: iARECPer= 6.00]
06183+ [SMIN= 41.38: SMAX= 275.84: SK= .030]
06184+ # LID for outlet W3 (28 catchbasins, 30 m long trench each)
06185+ # Assumed 570 m long trench, 1.25 m wide, porosity of 0.40 with 250 mm diameter perforated pipe
06186+ # Total Volume provided by LID = 193 m³
06187+ # Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
06188+ R0931:CO0012:000012-----Dtn-ID:NYHD-----REA8a-QPEAKms-TpeakData_hh:mm::--RvNm-R.C.--DWFcms
06189+ ROUTE RESERVOIR-> 5.0 02:INF-1 5.76 .113 1993.0703_9:00 382.29 n/a .000
06190+ out <= 5.0 02:INF-1:LID<= 5.76
06191+ overflow <= 5.0 02:INF-1:LID-Out 6.08 .148 1993.0703_9:00 382.29 n/a .000
06192+ [MNGt:01edc_199306-01 m3, TotCrvVol:199306-01 m3, N-Ofw= 150, TotDwrf= 229, hrs]
06193+ R0931:CO0010:000010-----Dtn-ID:NYHD-----REA8a-QPEAKms-TpeakData_hh:mm::--RvNm-R.C.--DWFcms
06194+ CONTINUOUS STANDHY 5.0 01:INF-1 10.11 .211 1993.0703_9:00 353.08 .490 .000
06195+ (XMIN=.50:TIME=.70)
06196+ [LOS= 2 :CN= 71.0]
06197+ [Fervous area: Iapres= 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0]
06198+ [Impervious area: Ialimp= 1.57:SLP1=.50:LGI= 260.:MNP=013:SCI= .0]
06199+ [iaREClipm= 1.50: iARECPer= 6.00]
06200+ [SMIN= 41.38: SMAX= 275.84: SK= .030]
06201+ # LID for outlet W3 (28 catchbasins, 30 m long trench each)
06202+ # Assumed 810 m long trench, 1.25 m wide, porosity of 0.40 with 250 mm diameter perforated pipe
06203+ # Total Volume provided by LID = 186 m³
06204+ # Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
06205+ R0931:CO0011:000011-----Dtn-ID:NYHD-----REA8a-QPEAKms-TpeakData_hh:mm::--RvNm-R.C.--DWFcms
06206+ ROUTE RESERVOIR-> 5.0 02:INF-1 5.76 .113 1993.0703_9:00 382.29 n/a .000
06207+ out <= 5.0 02:INF-1:LID<= 5.76
06208+ overflow <= 5.0 02:INF-1:LID-Out 6.08 .148 1993.0703_9:00 382.29 n/a .000
06209+ [MNGt:01edc_199306-01 m3, TotCrvVol:199306-01 m3, N-Ofw= 150, TotDwrf= 229, hrs]
06210+ R0931:CO0010:000010-----Dtn-ID:NYHD-----REA8a-QPEAKms-TpeakData_hh:mm::--RvNm-R.C.--DWFcms
06211+ CONTINUOUS STANDHY 5.0 01:INF-1 6.29 .125 1993.0703_9:00 338.97 .469 .000
06212+ (XMIN=.50:TIME=.67)
06213+ [LOS= 2 :CN= 71.0]
06214+ [Fervous area: Iapres= 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0]
06215+ [Impervious area: Ialimp= 1.57:SLP1=.50:LGI= 260.:MNP=013:SCI= .0]
06216+ [iaREClipm= 1.50: iARECPer= 6.00]
06217+ [SMIN= 41.38: SMAX= 275.84: SK= .030]
06218+ # LID for outlet W3 (28 catchbasins, 30 m long trench each)
06219+ # Assumed 570 m long trench, 1.25 m wide, porosity of 0.40 with 250 mm diameter perforated pipe
06220+ # Total Volume provided by LID = 165 m³
06221+ # Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
06222+ R0931:CO0012:000012-----Dtn-ID:NYHD-----REA8a-QPEAKms-TpeakData_hh:mm::--RvNm-R.C.--DWFcms
06223+ ROUTE RESERVOIR-> 5.0 02:INF-1 5.76 .113 1993.0703_9:00 338.97 n/a .000
06224+ out <= 5.0 02:INF-1:LID<= 5.76
06225+ overflow <= 5.0 02:INF-1:LID-Out 6.08 .148 1993.0703_9:00 338.97 n/a .000
06226+ [MNGt:01edc_199306-01 m3, TotCrvVol:199306-01 m3, N-Ofw= 150, TotDwrf= 229, hrs]
06227+ R0931:CO0014:000014-----Dtn-ID:NYHD-----REA8a-QPEAKms-TpeakData_hh:mm::--RvNm-R.C.--DWFcms
06228+ CONTINUOUS STANDHY 5.0 01:INF-1 7.8 .195 1993.0703_9:00 406.85 .564 .000
06229+ (XMIN=.50:TIME=.70)
06230+ [LOS= 2 :CN= 71.0]
06231+ [Fervous area: Iapres= 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0]
06232+ [Impervious area: Ialimp= 1.57:SLP1=.50:LGI= 228.:MNP=013:SCI= .0]
06233+ [iaREClipm= 1.50: iARECPer= 6.00]
06234+ [SMIN= 41.38: SMAX= 275.84: SK= .030]
06235+ # LID for outlet W3 (28 catchbasins, 30 m long trench each)
06236+ # Assumed 840 m long trench, 1.25 m wide, porosity of 0.40 with 250 mm diameter perforated pipe
06237+ # Total Volume provided by LID = 186 m³
06238+ # Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
06239+ R0931:CO0015:000015-----Dtn-ID:NYHD-----REA8a-QPEAKms-TpeakData_hh:mm::--RvNm-R.C.--DWFcms
06240+ ROUTE RESERVOIR-> 5.0 02:INF-1 5.76 .113 1993.0703_9:00 382.29 n/a .000
06241+ out <= 5.0 02:INF-1:LID<= 5.76
06242+ overflow <= 5.0 02:INF-1:LID-Out 6.08 .148 1993.0703_9:00 382.29 n/a .000
06243+ [MNGt:01edc_199306-01 m3, TotCrvVol:199306-01 m3, N-Ofw= 150, TotDwrf= 229, hrs]
06244+ R0931:CO0014:000014-----Dtn-ID:NYHD-----REA8a-QPEAKms-TpeakData_hh:mm::--RvNm-R.C.--DWFcms
06245+ CONTINUOUS STANDHY 5.0 01:INF-1 6.29 .125 1993.0703_9:00 338.97 .469 .000
06246+ (XMIN=.50:TIME=.67)
06247+ [LOS= 2 :CN= 71.0]
06248+ [Fervous area: Iapres= 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0]
06249+ [Impervious area: Ialimp= 1.57:SLP1=.50:LGI= 260.:MNP=013:SCI= .0]
06250+ [iaREClipm= 1.50: iARECPer= 6.00]
06251+ [SMIN= 41.38: SMAX= 275.84: SK= .030]
06252+ # LID for outlet W3 (28 catchbasins, 30 m long trench each)
06253+ # Assumed 840 m long trench, 1.25 m wide, porosity of 0.40 with 250 mm diameter perforated pipe
06254+ # Total Volume provided by LID = 186 m³
06255+ # Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
06256+ R0931:CO0016:000016-----Dtn-ID:NYHD-----REA8a-QPEAKms-TpeakData_hh:mm::--RvNm-R.C.--DWFcms
06257+ CONTINUOUS STANDHY 5.0 01:INF-1 7.81 .195 1993.0703_9:00 406.85 n/a .000
06258+ (XMIN=.50:TIME=.70)
06259+ [LOS= 2 :CN= 71.0]
06260+ [Fervous area: Iapres= 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0]
06261+ [Impervious area: Ialimp= 1.57:SLP1=.50:LGI= 260.:MNP=013:SCI= .0]
06262+ [iaREClipm= 1.50: iARECPer= 6.00]
06263+ [SMIN= 41.38: SMAX= 275.84: SK= .030]
06264+ # LID for outlet W3 (28 catchbasins, 30 m long trench each)
06265+ # Assumed 840 m long trench, 1.25 m wide, porosity of 0.40 with 250 mm diameter perforated pipe
06266+ # Total Volume provided by LID = 186 m³
06267+ # Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
06268+ R0931:CO0017:000017-----Dtn-ID:NYHD-----REA8a-QPEAKms-TpeakData_hh:mm::--RvNm-R.C.--DWFcms
06269+ CONTINUOUS STANDHY 5.0 01:INF-1 5.76 .144 1993.0703_9:00 415.48 .576 .000
06270+ (XMIN=.50:TIME=.66)
06271+ [LOS= 2 :CN= 100.0]
06272+ [Fervous area: Iapres= 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0]
06273+ [Impervious area: Ialimp= 1.57:SLP1=.50:LGI= 238.:MNP=013:SCI= .0]
06274+ [iaREClipm= 1.50: iARECPer= 6.00]
06275+ [SMIN= 1.39: SMAX= 9.24: SK= .000]
06276+ R0931:CO0020:000020-----Dtn-ID:NYHD-----REA8a-QPEAKms-TpeakData_hh:mm::--RvNm-R.C.--DWFcms
06277+ CONTINUOUS STANDHY 5.0 01:INF-1 8.51 .191 1993.0703_9:00 396.17 .549 .000
06278+ (XMIN=.50:TIME=.70)
06279+ [LOS= 2 :CN= 100.0]
06280+ [Fervous area: Iapres= 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0]
06281+ [Impervious area: Ialimp= 1.57:SLP1=.50:LGI= 238.:MNP=013:SCI= .0]
06282+ [iaREClipm= 1.50: iARECPer= 6.00]
06283+ [SMIN= 1.39: SMAX= 9.24: SK= .000]
06284+ R0931:CO0021:000021-----Dtn-ID:NYHD-----REA8a-QPEAKms-TpeakData_hh:mm::--RvNm-R.C.--DWFcms
06285+ CONTINUOUS STANDHY 5.0 01:INF-1 10.03 .267 1993.0703_9:00 449.47 .623 .000
06286+ (XMIN=.50:TIME=.70)
06287+ [LOS= 2 :CN= 100.0]
06288+ [Fervous area: Iapres= 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .0]
06289+ [Impervious area: Ialimp= 1.57:SLP1=.50:LGI= 238.:MNP=013:SCI= .0]
06290+ [iaREClipm= 1.50: iARECPer= 6.00]
06291+ [SMIN= 1.39: SMAX= 9.24: SK= .000]
06292+ R0931:CO0022:000022-----Dtn-ID:NYHD-----REA8a-QPEAKms-TpeakData_hh:mm::--RvNm-R.C.--DWFcms
06293+ CONTINUOUS STANDHY 5.0 01:INF-1 6.20 .152 1993.0703_9:00 419.30 .581 .000
06294+ (XMIN=.50:TIME=.67)

06481+ + 5.0 02:W4 10.11 .436 1994.0629_13:00 272.94 n/a .000
 06482+ + 5.0 02:W5 6.20 ,259 1994.0629_13:00 262.11 n/a .000
 06483+ + 5.0 02:W6 7.31 ,301 1994.0629_13:00 252.22 n/a .000
 06484+ SIM= 5.0 01:BCD-PH3 48.42 ,2102 1994.0629_13:00 274.20 n/a .000
 06485+ R0941:0001---->Dtn=ID-NHYD-----AREAh-QPEAKms-TpeakDate_hh:mm---RvNm-R.C.--DWFcms
 06486+ ADD HYD
 06487+ + 5.0 02:W1-LID-Out 4.49 ,315 1994.0629_13:00 237.25 n/a .000
 06488+ + 5.0 02:W2-LID-Out 7.57 ,458 1994.0629_13:00 294.56 n/a .000
 06489+ + 5.0 02:W3-LID-Out 1.01 ,401 1994.0629_13:00 240.00 n/a .000
 06490+ + 5.0 02:W4-LID-Out 4.66 ,254 1994.0629_13:00 262.21 n/a .000
 06491+ + 5.0 02:W5-LID-Out 5.86 ,380 1994.0629_13:00 312.81 n/a .000
 06492+ BWD= 5.0 01:W6-LID-Out 1.01 ,251 1994.0629_13:00 240.00 n/a .000
 06493+ ##### Barrhaven Conservancy Development Phase 3 (WITHOUT INFILTRATION) - POST DEVELOPMENT CONDITIONS
 06494+ # Set infiltration to 0 (CN = 99.99) for water balance analysis
 06495+ # Dtn=ID-NHYD-----AREAh-QPEAKms-TpeakDate_hh:mm---RvNm-R.C.--DWFcms
 06496+ CONTINUOUS STANDHY 5.0 01:INF-W1 5.76 ,310 1994.0629_13:00 323.37 602 .000
 06497+ (XIMP=..55:TIME=.66)
 06498+ [LOSS= 2 :CN=100.0] area: Iapres= 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .01
 06499+ [Impervious area: IaIimp= 1.57:SLIP= .50:LGI= 196.:MMI=013:SCI= .01
 06500+ [Soil: IaRCimp= 6.00]
 06501+ [SMIN= 1.39: SMAX= 9.24: SK= .000]
 06502+ [LOSS= 2 :CN=100.0] area: Iapres= 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .01
 06503+ [Impervious area: IaIimp= 1.57:SLIP= .50:LGI= 196.:MMI=013:SCI= .01
 06504+ [Soil: IaRCimp= 6.00]
 06505+ [SMIN= 1.39: SMAX= 9.24: SK= .000]
 06506+ R0941:0001---->Dtn=ID-NHYD-----AREAh-QPEAKms-TpeakDate_hh:mm---RvNm-R.C.--DWFcms
 06507+ CONTINUOUS STANDHY 5.0 01:INF-W1 8.51 ,440 1994.0629_13:00 311.75 .577 .000
 06508+ (XIMP=..55:TIME=.66)
 06509+ [LOSS= 2 :CN=100.0] area: Iapres= 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .01
 06510+ [Impervious area: IaIimp= 1.57:SLIP= .50:LGI= 238.:MMI=013:SCI= .01
 06511+ [Soil: IaRCimp= 6.00]
 06512+ [SMIN= 1.39: SMAX= 9.24: SK= .000]
 06513+ R0941:0001---->Dtn=ID-NHYD-----AREAh-QPEAKms-TpeakDate_hh:mm---RvNm-R.C.--DWFcms
 06514+ CONTINUOUS STANDHY 5.0 01:INF-W3 10.03 ,561 1994.0629_13:00 348.77 .646 .000
 06515+ (XIMP=..57:TIME=.67)
 06516+ [LOSS= 2 :CN=100.0] area: Iapres= 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .01
 06517+ [Impervious area: IaIimp= 1.57:SLIP= .50:LGI= 260.:MMI=013:SCI= .01
 06518+ [Soil: IaRCimp= 6.00]
 06519+ [SMIN= 1.39: SMAX= 9.24: SK= .000]
 06520+ R0941:0001---->Dtn=ID-NHYD-----AREAh-QPEAKms-TpeakDate_hh:mm---RvNm-R.C.--DWFcms
 06521+ CONTINUOUS STANDHY 5.0 01:INF-W3 10.11 ,548 1994.0629_13:00 334.76 620 .000
 06522+ (XIMP=..57:TIME=.67)
 06523+ CONTINUOUS STANDHY 5.0 01:INF-W5 6.20 ,335 1994.0629_13:00 327.82 .607 .000
 06524+ (XIMP=..57:TIME=.67)
 06525+ CONTINUOUS STANDHY 5.0 01:INF-W5 7.81 ,301 1994.0629_13:00 360.68 .668 .000
 06526+ (XIMP=..57:TIME=.81)
 06527+ [LOSS= 2 :CN=100.0] area: Iapres= 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .01
 06528+ [Impervious area: IaIimp= 1.57:SLIP= .50:LGI= 228.:MMI=013:SCI= .01
 06529+ [Soil: IaRCimp= 6.00]
 06530+ [SMIN= 1.39: SMAX= 9.24: SK= .000]
 06531+ R0941:0001---->Dtn=ID-NHYD-----AREAh-QPEAKms-TpeakDate_hh:mm---RvNm-R.C.--DWFcms
 06532+ CONTINUOUS STANDHY 5.0 01:INF-W5 6.20 ,335 1994.0629_13:00 327.82 .607 .000
 06533+ (XIMP=..57:TIME=.67)
 06534+ CONTINUOUS STANDHY 5.0 01:INF-W5 7.81 ,301 1994.0629_13:00 360.68 .668 .000
 06535+ (XIMP=..57:TIME=.67)
 06536+ R0941:0001---->Dtn=ID-NHYD-----AREAh-QPEAKms-TpeakDate_hh:mm---RvNm-R.C.--DWFcms
 06537+ CONTINUOUS STANDHY 5.0 01:INF-W5 7.81 ,301 1994.0629_13:00 360.68 .668 .000
 06538+ R0941:0002---->Dtn=ID-NHYD-----AREAh-QPEAKms-TpeakDate_hh:mm---RvNm-R.C.--DWFcms
 06539+ CONTINUOUS STANDHY 5.0 01:INF-W2 7.81 ,301 1994.0629_13:00 389.39 .723 .000
 06540+ (XIMP=..57:TIME=.81)
 06541+ [LOSS= 2 :CN=100.0] area: Iapres= 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .01
 06542+ [Impervious area: IaIimp= 1.57:SLIP= .50:LGI= 228.:MMI=013:SCI= .01
 06543+ [Soil: IaRCimp= 6.00]
 06544+ [SMIN= 1.39: SMAX= 9.24: SK= .000]
 06545+ R0941:0002---->Dtn=ID-NHYD-----AREAh-QPEAKms-TpeakDate_hh:mm---RvNm-R.C.--DWFcms
 06546+ CONTINUOUS STANDHY 5.0 01:INF-W2 7.81 ,301 1994.0629_13:00 389.39 .723 .000
 06547+ ADD HYD
 06548+ + 5.0 02:INF-W2 8.51 ,440 1994.0629_13:00 311.75 n/a .000
 06549+ + 5.0 02:INF-W3 10.03 ,561 1994.0629_13:00 348.77 n/a .000
 06550+ + 5.0 02:INF-W4 10.11 ,548 1994.0629_13:00 334.76 n/a .000
 06551+ + 5.0 02:INF-W5 6.20 ,335 1994.0629_13:00 327.83 n/a .000
 06552+ BWD= 5.0 01:INF-W6 7.81 ,440 1994.0629_13:00 348.78 n/a .000
 06553+ SIM= 5.0 01:BCD-PH 48.42 ,2643 1994.0629_13:00 335.79 n/a .000
 06554+ ##### CONTINUOUS RAINFALL DATA
 06555+ *** END OF RUN : 94
 06556+ R0941:0001---->Dtn=ID-NHYD-----AREAh-QPEAKms-TpeakDate_hh:mm---RvNm-R.C.--DWFcms
 06557+ # Barrhaven Conservancy Development Phase 3 (WITH INFILTRATION) - POST DEVELOPMENT CONDITIONS
 06558+ # Set infiltration to 0 (CN = 99.99) for water balance analysis
 06559+ # Dtn=ID-NHYD-----AREAh-QPEAKms-TpeakDate_hh:mm---RvNm-R.C.--DWFcms
 06560+ R0941:0001---->Dtn=ID-NHYD-----AREAh-QPEAKms-TpeakDate_hh:mm---RvNm-R.C.--DWFcms
 06561+ CONTINUOUS STANDHY 5.0 01:INF-W1 5.76 ,310 1994.0629_13:00 323.37 .531 .000
 06562+ (XIMP=..57:TIME=.67)
 06563+ R0941:0001---->Dtn=ID-NHYD-----AREAh-QPEAKms-TpeakDate_hh:mm---RvNm-R.C.--DWFcms
 06564+ CONTINUOUS STANDHY 5.0 01:INF-W1 7.81 ,301 1994.0629_13:00 360.68 .668 .000
 06565+ (XIMP=..57:TIME=.81)
 06566+ R0941:0001---->Dtn=ID-NHYD-----AREAh-QPEAKms-TpeakDate_hh:mm---RvNm-R.C.--DWFcms
 06567+ CONTINUOUS STANDHY 5.0 01:INF-W2 7.81 ,301 1994.0629_13:00 389.39 .723 .000
 06568+ (XIMP=..57:TIME=.81)
 06569+ R0941:0001---->Dtn=ID-NHYD-----AREAh-QPEAKms-TpeakDate_hh:mm---RvNm-R.C.--DWFcms
 06570+ CONTINUOUS STANDHY 5.0 01:INF-W3 7.81 ,301 1994.0629_13:00 389.39 .723 .000
 06571+ (XIMP=..57:TIME=.81)
 06572+ R0941:0001---->Dtn=ID-NHYD-----AREAh-QPEAKms-TpeakDate_hh:mm---RvNm-R.C.--DWFcms
 06573+ # SWHMHO Ver1.02/Jan 2001 <BETA> / INPUT DATA FILE
 06574+ # Project Name: Barrhaven Conservancy Development
 06575+ # Project Number: 1474
 06576+ # Modeler #: J.Burnett, P.Eng.
 06577+ # Updated : 2024/Mar/14 [LP]
 06578+ # Address : 3000 Barrhaven Drive
 06579+ # License #: 3P62Z634
 06580+ # Ottawa International Airport (1967 - 2003)
 06581+ REAS DATA AREAS
 06582+ [Filename = YOM_1967_2007_123]
 06583+ [TZero = 0.00 hrs on 1995/01/23] 1995.0101:EndDate=1995.1231]
 06584+ [DT=60: min; Length= 8040; hrs= Metres= 332; DryHrs= 7708; PTOT= 538.50]
 06585+ Maximum average rainfall intensities over:
 06586+ 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
 06587+ 16.90 11.33 9.48 6.35 3.48 2.95 2.21 1.48 mm/hr
 06588+ 16.90 26.50 34.00 53.37 67.20 83.40 106.20 106.20 106.20 mm
 06589+ 1393033 1393033 1393033 1393033 1393033 1393033 1393033 1393033 1393033 date
 06590+ Number of rainfall events per following interevent time:
 06591+ 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
 06592+ 16.90 9.48 6.35 3.48 2.95 2.21 1.48 mm hr
 06593+ Number of events with at least the following durations:
 06594+ 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
 06595+ 16.90 9.48 6.35 3.48 2.95 2.21 1.48 mm hr
 06596+ R0941:0001---->Dtn=ID-NHYD-----AREAh-QPEAKms-TpeakDate_hh:mm---RvNm-R.C.--DWFcms
 06597+ CONTINUOUS STANDHY 5.0 01:INF-W1 10.03 ,359 1995.0603_2:00 358.83 .666 .000
 06598+ (XIMP=..57:TIME=.66)
 06599+ R0941:0001---->Dtn=ID-NHYD-----AREAh-QPEAKms-TpeakDate_hh:mm---RvNm-R.C.--DWFcms
 06600+ COMPUTE API
 06601+ [APIdk= 50.00; APIdk= 8000; APIkdt= 9956]
 06602+ [APIdk= 99.99; APFlav= 16.58; APInime= .00]
 06603+ [APInime= 99.99; APFlav= 16.58; APInime= .00]
 06604+ # Barrhaven Conservancy Development Phase 3 (WITH INFILTRATION) - POST DEVELOPMENT CONDITIONS
 06605+ # Set infiltration to 0 (CN = 99.99) for water balance analysis
 06606+ R0941:0004---->Dtn=ID-NHYD-----AREAh-QPEAKms-TpeakDate_hh:mm---RvNm-R.C.--DWFcms
 06607+ R0941:0004---->Dtn=ID-NHYD-----AREAh-QPEAKms-TpeakDate_hh:mm---RvNm-R.C.--DWFcms
 06608+ CONTINUOUS STANDHY 5.0 01:INF-W1 5.76 ,310 1994.0629_13:00 323.37 .531 .000
 06609+ (XIMP=..57:TIME=.66)
 06610+ [LOSS= 2 :CN=100.0] area: Iapres= 4.67:SLPP=2.00:LGF= 40.:MNP=250:SCP= .01
 06611+ [Impervious area: IaIimp= 1.57:SLIP= .50:LGI= 196.:MMI=013:SCI= .01
 06612+ [Soil: IaRCimp= 6.00]
 06613+ [SMIN= 1.39: SMAX= 9.24: SK= .000]
 06614+ R0941:01:BCD-PH 48.42 ,275.84: SK= .000
 06615+ R0941:01:BCD-PH 48.42 ,275.84: SK= .000
 06616+ # LID= 420 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
 06617+ # Total Volume provided by LID = 193 m³
 06618+ # Soil infiltration rates assumed at 8mm/hr with a safety factor of 2.5
 06619+ R0941:0005---->Dtn=ID-NHYD-----AREAh-QPEAKms-TpeakDate_hh:mm---RvNm-R.C.--DWFcms
 06620+ ROUTE RESERVOIR --> 5.0 02:W1-LID-Out 5.76 ,188 1995.0603_8:05 326.81 n/a .000
 06621+ + 5.0 02:W2-LID-Out 1.01 ,200 1995.0113:15:35 310.39 n/a .000
 06622+ overlap <= 5.0 01W2-LID-Out 4.93 ,187 1995.0603_8:05 326.81 n/a .000
 06623+ [MastOSead=.9395E-02 m³, TotDrvVol=.1612E+01 m³, N_Ovr= 69, TotDrvRv= 157, hrs]
 06624+ R0941:0005---->Dtn=ID-NHYD-----AREAh-QPEAKms-TpeakDate_hh:mm---RvNm-R.C.--DWFcms
 06625+ CONTINUOUS STANDHY 5.0 01:INF-W1 8.31 ,271 1995.0603_8:05 319.39 .576 .000
 06626+ (XIMP=..57:TIME=.66)
 06627+ R0941:0005---->Dtn=ID-NHYD-----AREAh-QPEAKms-TpeakDate_hh:mm---RvNm-R.C.--DWFcms
 06628+ CONTINUOUS STANDHY 5.0 01:INF-W2 8.31 ,271 1995.0603_8:05 326.81 n/a .000
 06629+ (XIMP=..57:TIME=.66)
 06630+ R0941:0005---->Dtn=ID-NHYD-----AREAh-QPEAKms-TpeakDate_hh:mm---RvNm-R.C.--DWFcms
 06631+ CONTINUOUS STANDHY 5.0 01:INF-W3 8.31 ,271 1995.0603_8:05 326.81 n/a .000
 06632+ (XIMP=..57:TIME=.66)
 06633+ R0941:0005---->Dtn=ID-NHYD-----AREAh-QPEAKms-TpeakDate_hh:mm---RvNm-R.C.--DWFcms
 06634+ CONTINUOUS STANDHY 5.0 01:INF-W4 8.31 ,271 1995.0603_8:05 326.81 n/a .000
 06635+ (XIMP=..57:TIME=.66)
 06636+ R0941:0005---->Dtn=ID-NHYD-----AREAh-QPEAKms-TpeakDate_hh:mm---RvNm-R.C.--DWFcms
 06637+ CONTINUOUS RAINFALL DATA
 06638+ ** END OF RUN : 95
 06639+ R0941:0001---->Dtn=ID-NHYD-----AREAh-QPEAKms-TpeakDate_hh:mm---RvNm-R.C.--DWFcms
 06640+ R0941:0001---->Dtn=ID-NHYD-----AREAh-QPEAKms-TpeakDate_hh:mm---RvNm-R.C.--DWFcms
 06641+ CONTINUOUS STANDHY 5.0 01:INF-W1 5.76 ,310 1994.0629_13:00 323.37 .531 .000
 06642+ (XIMP=..57:TIME=.66)
 06643+ R0941:0001---->Dtn=ID-NHYD-----AREAh-QPEAKms-TpeakDate_hh:mm---RvNm-R.C.--DWFcms
 06644+ CONTINUOUS STANDHY 5.0 01:INF-W2 5.76 ,310 1994.0629_13:00 323.37 .531 .000
 06645+ (XIMP=..57:TIME=.66)
 06646+ R0941:0001---->Dtn=ID-NHYD-----AREAh-QPEAKms-TpeakDate_hh:mm---RvNm-R.C.--DWFcms
 06647+ CONTINUOUS STANDHY 5.0 01:INF-W3 5.76 ,310 1994.0629_13:00 323.37 .531 .000
 06648+ (XIMP=..57:TIME=.66)
 06649+ R0941:0001---->Dtn=ID-NHYD-----AREAh-QPEAKms-TpeakDate_hh:mm---RvNm-R.C.--DWFcms
 06650+ CONTINUOUS STANDHY 5.0 01:INF-W4 5.76 ,310 1994.0629_13:00 323.37 .531 .000
 06651+ # Total Volume provided by LID = 193 m³
 06652+ # Soil infiltration rates assumed at 8mm/hr with a safety factor of 2.5
 06653+ R0941:0006---->Dtn=ID-NHYD-----AREAh-QPEAKms-TpeakDate_hh:mm---RvNm-R.C.--DWFcms
 06654+ ROUTE RESERVOIR --> 5.0 02:W1 10.03 ,359 1995.0603_2:00 358.83 n/a .000
 06655+ out <= 5.0 01W2-LID-Out 1.56 ,001 1995.0113:15:35 356.83 n/a .000
 06656+ overlap <= 5.0 01W2-LID-Out 1.31 ,261 1995.0603_8:05 310.31 n/a .000
 06657+ [MastOSead=.1930E-01 m³, TotDrvVol=.3038E+01 m³, N_Ovr= 66, TotDrvRv= 156, hrs]
 06658+ R0941:0010---->Dtn=ID-NHYD-----AREAh-QPEAKms-TpeakDate_hh:mm---RvNm-R.C.--DWFcms
 06659+ CONTINUOUS STANDHY 5.0 01:INF-W1 10.11 ,339 1995.0603_2:00 340.59 .632 .000
 06660+ (XIMP=..60:TIME=.78)

07561# # Assume 570 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
07562# # Total Volume provided by LID = 131 m³
07563# # Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
07564# RO099:CO0007-----> DtnIn-ID:NYDY----- AREAh-QPEAKms-TpeakData_hh:mm::--Rvn-R.C.--DWFcms
07565# ROUTE RESERVOIR > 5.0 02:WZ 8.51 .223 1999.0717_15:00 180.18 n/a .000
07566# < overflow <= 5.0 03:WZ-LID-Out 4.51 .220 1999.0717_15:00 180.18 n/a .000
07567# [MstsCdsd..1130E+01 m3, TotCrVol..1173E+01 m3, N-Ovr..90, TotTurOrf..104. hrs]<
07568# RO099:CO0008-----> DtnIn-ID:NYDY----- AREAh-QPEAKms-TpeakData_hh:mm::--Rvn-R.C.--DWFcms
07569# CONTINUOUS STANDHYD 5.0 01:INF 10.03 .389 1999.0717_15:00 227.38 .596 .000
07570# (XIMN=.66;TIME=.76)
07571# ***** END OF RUN 1 *****
07572# ***** 2 ICN= 2 *****
07573# [Previous] area: Iapres 4.67:SLPP2.00:LGF= 40.:MNP=250:SCP= .01
07574# [Impervious] area: IaImp 1.57:SLP1*.50:LGI= 259.:MMI=.013:SCI= .01
07575# [IaECimp] 1.50; IaRepCrep 6.00
07576# [SMIN= 1.39; SMAX= 2.38; SK= .000]
07577# # LID for Outlet W4 (28 catchbasins, 30 m long trench each)
07578# # Assume 840 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
07579# # Total Volume provided by LID = 131 m³
07580# # Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
07581# RO099:CO0009-----> DtnIn-ID:NYDY----- AREAh-QPEAKms-TpeakData_hh:mm::--Rvn-R.C.--DWFcms
07582# ROUTE RESERVOIR > 5.0 02:WZ 8.40 .223 1999.0717_15:00 227.38 n/a .000
07583# < overflow <= 5.0 03:WZ-LID-Out 2.40 .001 1999.0508_17:45 227.58 n/a .000
07584# [MstsCdsd..1130E+01 m3, TotCrVol..1173E+01 m3, N-Ovr..90, TotTurOrf..104. hrs]<
07585# RO099:CO0010-----> DtnIn-ID:NYDY----- AREAh-QPEAKms-TpeakData_hh:mm::--Rvn-R.C.--DWFcms
07586# CONTINUOUS STANDHYD 5.0 01:INF 10.11 .311 1999.0717_15:00 209.73 .494 .000
07587# (XIMN=.66;TIME=.76)
07588# ***** END OF RUN 1 *****
07589# [Previous] area: Iapres 4.67:SLPP2.00:LGF= 40.:MNP=250:SCP= .01
07590# [Impervious] area: IaImp 1.57:SLP1*.50:LGI= 260.:MMI=.013:SCI= .01
07591# [IaECimp] 1.50; IaRepCrep 6.00
07592# [SMIN= 41.38; SMAX= 275.84; SK= .000]
07593# # LID for Outlet W4 (16 catchbasins, 30 m long trench each)
07594# # Assume 910 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
07595# # Total Volume provided by LID = 186 m³
07596# # Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
07597# RO099:CO0011-----> DtnIn-ID:NYDY----- AREAh-QPEAKms-TpeakData_hh:mm::--Rvn-R.C.--DWFcms
07598# ROUTE RESERVOIR > 5.0 02:WZ 10.11 .311 1999.0717_15:00 209.73 n/a .000
07599# < overflow <= 5.0 03:WZ-LID-Out 2.40 .001 1999.0508_17:45 209.73 n/a .000
07600# [MstsCdsd..1130E+01 m3, TotCrVol..1173E+01 m3, N-Ovr..90, TotTurOrf..104. hrs]<
07601# [IaECimp] 1.50; IaRepCrep 6.00
07602# [SMIN= 41.38; SMAX= 275.84; SK= .000]
07603# RO099:CO0012-----> DtnIn-ID:NYDY----- AREAh-QPEAKms-TpeakData_hh:mm::--Rvn-R.C.--DWFcms
07604# CONTINUOUS STANDHYD 5.0 01:INF 10.03 .105 1999.0717_15:00 206.14 .475 .000
07605# (XIMN=.57;TIME=.67)
07606# (LGS= 2 ;CN= 71.0)
07607# [Previous] area: Iapres 4.67:SLPP2.00:LGF= 40.:MNP=250:SCP= .01
07608# [Impervious] area: IaImp 1.57:SLP1*.50:LGI= 203.:MMI=.013:SCI= .01
07609# [IaECimp] 1.50; IaRepCrep 6.00
07610# [SMIN= 41.38; SMAX= 275.84; SK= .000]
07611# # LID for Outlet W4 (16 catchbasins, 30 m long trench each)
07612# # Assume 480 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
07613# # Total Volume provided by LID = 165 m³
07614# # Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
07615# RO099:CO0013-----> DtnIn-ID:NYDY----- AREAh-QPEAKms-TpeakData_hh:mm::--Rvn-R.C.--DWFcms
07616# ROUTE RESERVOIR > 5.0 02:WZ 10.03 .311 1999.0717_15:00 209.73 n/a .000
07617# < overflow <= 5.0 03:WZ-LID-Out 1.51 .001 1999.0508_17:45 209.84 n/a .000
07618# [MstsCdsd..1130E+01 m3, TotCrVol..1173E+01 m3, N-Ovr..90, TotTurOrf..104. hrs]<
07619# [IaECimp] 1.50; IaRepCrep 6.00
07620# [SMIN= 41.38; SMAX= 275.84; SK= .000]
07621# RO099:CO0014-----> DtnIn-ID:NYDY----- AREAh-QPEAKms-TpeakData_hh:mm::--Rvn-R.C.--DWFcms
07622# CONTINUOUS STANDHYD 5.0 01:INF 7.81 .283 1999.0717_15:00 242.49 .572 .000
07623# (XIMN=.66;TIME=.81)
07624# (LGS= 2 ;CN= 71.0)
07625# [Previous] area: Iapres 4.67:SLPP2.00:LGF= 40.:MNP=250:SCP= .01
07626# [Impervious] area: IaImp 1.57:SLP1*.50:LGI= 228.:MMI=.013:SCI= .01
07627# [IaECimp] 1.50; IaRepCrep 6.00
07628# [SMIN= 41.38; SMAX= 275.84; SK= .000]
07629# # LID for Outlet W4 (24 catchbasins, 30 m long trench each)
07630# # Assume 840 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
07631# # Total Volume provided by LID = 165 m³
07632# # Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
07633# RO099:CO0015-----> DtnIn-ID:NYDY----- AREAh-QPEAKms-TpeakData_hh:mm::--Rvn-R.C.--DWFcms
07634# CONTINUOUS STANDHYD 5.0 01:INF 7.81 .283 1999.0717_15:00 242.59 .599 .000
07635# (XIMN=.66;TIME=.81)
07636# (LGS= 2 ;CN= 71.0)
07637# [Previous] area: Iapres 4.67:SLPP2.00:LGF= 40.:MNP=250:SCP= .01
07638# [Impervious] area: IaImp 1.57:SLP1*.50:LGI= 230.:MMI=.013:SCI= .01
07639# [IaECimp] 1.50; IaRepCrep 6.00
07640# [SMIN= 41.38; SMAX= 275.84; SK= .000]
07641# ADD HYD 5.0 02:WZ 1.03 .311 1999.0717_15:00 209.73 n/a .000
07642# < overflow <= 5.0 03:WZ-LID-Out 1.03 .001 1999.0508_17:45 209.73 n/a .000
07643# [MstsCdsd..1130E+01 m3, TotCrVol..1173E+01 m3, N-Ovr..90, TotTurOrf..104. hrs]<
07644# SUM 5.0 01:BODC-PH 48.42 .1509 1999.0717_15:00 210.75 .000
07645# (XIMN=.66;TIME=.81)
07646# ADD NVD 5.0 02:WZ-LID-Out 4.43 .165 1999.0717_15:00 227.58 n/a .000
07647# + 5.0 02:WZ 6.51 .220 1999.0717_15:00 180.18 n/a .000
07648# < overflow <= 5.0 03:WZ-LID-Out 6.51 .001 1999.0508_17:45 180.18 n/a .000
07649# [MstsCdsd..1130E+01 m3, TotCrVol..1173E+01 m3, N-Ovr..90, TotTurOrf..104. hrs]<
07650# ADD NVD 5.0 02:WZ-LID-Out 4.69 .182 1999.0717_15:00 209.84 n/a .000
07651# < overflow <= 5.0 03:WZ-LID-Out 4.69 .001 1999.0508_17:45 209.84 n/a .000
07652# SUM 5.0 01:BODC-PH-L 36.84 1.491 1999.0717_15:00 210.67 n/a .000
07653# (XIMN=.66;TIME=.81)
07654# # LID for Outlet W4 (27 catchbasins, 30 m long trench each)
07655# # Assume 840 m long trench, 1.25 m wide by 0.40 m deep, porosity of 0.40 with 250 mm diameter perforated pipe
07656# # Total Volume provided by LID = 165 m³
07657# # Soil infiltration rates assumed at 9mm/hr with a safety factor of 2.5
07658# RO099:CO0016-----> DtnIn-ID:NYDY----- AREAh-QPEAKms-TpeakData_hh:mm::--Rvn-R.C.--DWFcms
07659# CONTINUOUS STANDHYD 5.0 01:INF 7.81 .283 1999.0717_15:00 242.59 .599 .000
07660# (XIMN=.66;TIME=.81)
07661# (LGS= 2 ;CN= 71.0)
07662# [Previous] area: Iapres 4.67:SLPP2.00:LGF= 40.:MNP=250:SCP= .01
07663# [Impervious] area: IaImp 1.57:SLP1*.50:LGI= 230.:MMI=.013:SCI= .01
07664# [IaECimp] 1.50; IaRepCrep 6.00
07665# [SMIN= 1.39; SMAX= 9.24; SK= .000]
07666# RO099:CO0017-----> DtnIn-ID:NYDY----- AREAh-QPEAKms-TpeakData_hh:mm::--Rvn-R.C.--DWFcms
07667# CONTINUOUS STANDHYD 5.0 01:INF 7.81 .333 1999.0717_15:00 241.19 .568 .000
07668# (XIMN=.66;TIME=.81)
07669# (LGS= 2 ;CN= 10.0)
07670# [Previous] area: Iapres 4.67:SLPP2.00:LGF= 40.:MNP=250:SCP= .01
07671# [Impervious] area: IaImp 1.57:SLP1*.50:LGI= 238.:MMI=.013:SCI= .01
07672# [IaECimp] 1.50; IaRepCrep 6.00
07673# [SMIN= 1.39; SMAX= 9.24; SK= .000]
07674# RO099:CO0018-----> DtnIn-ID:NYDY----- AREAh-QPEAKms-TpeakData_hh:mm::--Rvn-R.C.--DWFcms
07675# CONTINUOUS STANDHYD 5.0 01:INF 7.81 .428 1999.0717_15:00 272.46 .642 .000
07676# (XIMN=.66;TIME=.81)
07677# (LGS= 2 ;CN= 10.0)
07678# [Previous] area: Iapres 4.67:SLPP2.00:LGF= 40.:MNP=250:SCP= .01
07679# [Impervious] area: IaImp 1.57:SLP1*.50:LGI= 239.:MMI=.013:SCI= .01
07680# [IaECimp] 1.50; IaRepCrep 6.00
07681# [SMIN= 1.39; SMAX= 9.24; SK= .000]
07682# RO099:CO0019-----> DtnIn-ID:NYDY----- AREAh-QPEAKms-TpeakData_hh:mm::--Rvn-R.C.--DWFcms
07683# CONTINUOUS STANDHYD 5.0 01:INF 7.81 .428 1999.0717_15:00 254.79 .595 .000
07684# (XIMN=.66;TIME=.81)
07685# (LGS= 2 ;CN= 10.0)
07686# [Previous] area: Iapres 4.67:SLPP2.00:LGF= 40.:MNP=250:SCP= .01
07687# [Impervious] area: IaImp 1.57:SLP1*.50:LGI= 240.:MMI=.013:SCI= .01
07688# [IaECimp] 1.50; IaRepCrep 6.00
07689# [SMIN= 1.39; SMAX= 9.24; SK= .000]
07690# RO099:CO0020-----> DtnIn-ID:NYDY----- AREAh-QPEAKms-TpeakData_hh:mm::--Rvn-R.C.--DWFcms
07691# CONTINUOUS STANDHYD 5.0 01:INF 7.81 .428 1999.0717_15:00 260.65 .614 .000
07692# (XIMN=.66;TIME=.76)
07693# (LGS= 2 ;CN= 10.0)
07694# [Previous] area: Iapres 4.67:SLPP2.00:LGF= 40.:MNP=250:SCP= .01
07695# [Impervious] area: IaImp 1.57:SLP1*.50:LGI= 240.:MMI=.013:SCI= .01
07696# [IaECimp] 1.50; IaRepCrep 6.00
07697# [SMIN= 1.39; SMAX= 9.24; SK= .000]
07698# RO099:CO0021-----> DtnIn-ID:NYDY----- AREAh-QPEAKms-TpeakData_hh:mm::--Rvn-R.C.--DWFcms
07699# CONTINUOUS STANDHYD 5.0 01:INF 7.81 .428 1999.0717_15:00 282.44 .666 .000
07700# (XIMN=.66;TIME=.81)
07701# (LGS= 2 ;CN= 10.0)
07702# [Previous] area: Iapres 4.67:SLPP2.00:LGF= 40.:MNP=250:SCP= .01
07703# [Impervious] area: IaImp 1.57:SLP1*.50:LGI= 240.:MMI=.013:SCI= .01
07704# [IaECimp] 1.50; IaRepCrep 6.00
07705# [SMIN= 1.39; SMAX= 9.24; SK= .000]
07706# RO099:CO0022-----> DtnIn-ID:NYDY----- AREAh-QPEAKms-TpeakData_hh:mm::--Rvn-R.C.--DWFcms
07707# CONTINUOUS STANDHYD 5.0 01:INF 7.81 .428 1999.0717_15:00 282.44 .666 .000
07708# (XIMN=.66;TIME=.81)
07709# (LGS= 2 ;CN= 10.0)
07710# [Previous] area: Iapres 4.67:SLPP2.00:LGF= 40.:MNP=250:SCP= .01
07711# + 5.0 02:WZ-N 8.51 .333 1999.0717_15:00 241.13 n/a .000
07712# < overflow <= 5.0 03:WZ-LID-Out 8.51 .001 1999.0508_17:45 241.13 n/a .000
07713# [MstsCdsd..1130E+01 m3, TotCrVol..1173E+01 m3, N-Ovr..90, TotTurOrf..104. hrs]<
07714# ADD HYD 5.0 02:WZ-N 8.51 .333 1999.0717_15:00 282.44 n/a .000
07715# # CONTINUOUS RAINFALL DATA
07716# ***** END OF RUN 1 *****
07717# ***** 2 ICN= 2 *****
07718# ***** END OF RUN 1 *****
07719# ***** END OF RUN 1 *****
07720# ***** END OF RUN 1 *****
07721# ***** END OF RUN 1 *****
07722# ***** END OF RUN 1 *****
07723# ***** END OF RUN 1 *****
07724# ***** END OF RUN 1 *****
07725# RUN:#COMMAND#
07726# RO100:CO0001-----> DtnIn-ID:NYDY----- Barrhaven Conservancy Development Phase 3 (WITHOUT INFILTRATION) - POST DEVELOPMENT CONDITIONS
07727# START
07728# [TZERO = 0.0 hrs on 20000101]
07729# [ICN= 2 ;CN= 2 ; (Imperial, 2+metric output)]
07730# [INSTRM= 0]
07731# [NRUN = 0100]
07732# [RUNID = 2021Oct18]
07733# # Modeler : J.Burnett, P.Eng.
07734# Updated : 1/2024/Mar/14 [1st]
07735# Company : J.F. Shouhien and Associates

07921: [SMIN= 1.39; SMAX= 9.24; SKW = .000] -----
 07922: R0100:CD0022-----
 07923: CONTINUOUS STANDHYD 5.0 01:INF-W5
 07924: [XIMP= .55;TIME= .67]
 07925: [LOSS= 2 ; CMIN= 71.00]
 07926: [Pervious area: Iapex= 4.57;SLPF= 2.00;LGF= 40.;MNP= 250;SCP= .0]
 07927: [Impervious area: IAPN= 1.57;SLPF= .50;LGI= 203.;MMI= 013;SCI= .0]
 07928: [iAECLimp= 1.50; iARECper= 6.00]
 07929: [SMIN= 1.39; SMAX= 9.24; SKW = .000]
 07930: R0100:CD0024-----
 07931: CONTINUOUS STANDHYD 5.0 01:INF-W5
 07932: [XIMP= .55;TIME= .67]
 07933: [LOSS= 2 ; CMIN= 71.00]
 07934: [Pervious area: Iapex= 4.67;SLPF= 2.00;LGF= 40.;MNP= 250;SCP= .0]
 07935: [Impervious area: IAPN= 1.57;SLPF= .50;LGI= 228.;MMI= 013;SCI= .0]
 07936: [iAECLimp= 1.50; iARECper= 6.00]
 07937: [SMIN= 1.39; SMAX= 9.24; SKW = .000]
 07938: R0100:CD0024-----
 07939: ADD HYD
 07940: + 5.0 02:INF-W1 8.51 .323 2000.0625_10:00 297.12 n/a .000
 07941: + 5.0 02:INF-W3 10.03 .398 2000.0625_10:00 333.34 n/a .000
 07942: + 5.0 02:INF-W4 10.1 .398 2000.0625_10:00 333.34 n/a .000
 07943: + 5.0 02:INF-W5 6.20 .239 2000.0625_10:00 312.83 n/a .000
 07944: + 5.0 02:INF-W6 1.81 .307 2000.0625_10:00 344.99 n/a .000
 07945: SUM# 5.0 01:INF-W2 46.00 .187 2000.0625_10:00 320.63 n/a .000
 07946: #####
 07947: # CONTINUOUS RAINFALL DATA
 07948: #####
 07949: ** END OF RUN : 102
 07950: #####
 07951: #####
 07952: R0102:CD0001-----
 07953: START
 07954: [TZERO = .00 hrs on 20020101]
 07955: [METOUT= 2 (Imperial, 2-metric output)]
 07956: [INSTRNM = 0]
 07957: [INRN = 0103]
 07958: [SMIN= 1.39; SMAX= 9.24; SKW = .000]
 07959: SMINHYD Ver1.03 Jan 2003 (BETA) / INPUT DATA FILE
 07960: Project Name: Barhaven Conservancy Development
 07961: Project Number: 1474
 07962: Date : 2021-03-01
 07963: Modeler : J. Burnett, P.Eng.
 07964: Updated : 10/24/Mar/14 [IP]
 07965: Company : J.F. Sabourin and Associates
 07966: License #: 2582633
 07967: *****
 07968: Ottawa International Airport (1967 - 2003)
 07969: R0102:CD0001-----
 07970: READ AEE DATA
 07971: [Filename = YOW_1967_2007_123]
 07972: [Start Date = 20020101] [End Date = 20021231]
 07973: [DT= 60:min; Length= 508hrs; NetHrs= 304; DryHrs= 4784; PTOT= 551.50]
 07974: Maximum average rainfall intensities over 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
 07975: 45.20 55.20 55.20 55.20 55.20 55.20 55.20 55.20 55.20 mm/hr
 07976: 45.20 55.20 55.20 55.20 55.20 55.20 55.20 55.20 55.20 mm/hr
 07977: 20020627 20020627 20020627 20020627 20020627 20020628 20020628 date
 07978: Number of events with at least 1 hour duration
 07979: 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
 07980: 100 83 78 66 47 41 36 34 32 0 0 0
 07981: Number of events with at least 1 hour duration following durations
 07982: 1 hr 2 hrs 3 hrs 6 hrs 12 hrs 24 hrs 36 hrs 48 hrs 72 hrs
 07983: 100 59 33 13 5 0 0 0 0 0 0 0
 07984: COMPUTE API
 07985: [APIInit= 50.50; APITdy= 5000; APIEnd= -9956]
 07986: [APIMax= 41.38; SMAX= 275.84; SKW = .030]
 07987: # Lid for outlet W1 (14 catchbasins, 30 m long trench each)
 07988: # Assume 420 m long trench, 1.2m wide, porosity of 0.40 with 250 mm diameter perforated pipe
 07989: # Total Volume provided by Lid = 96 m³
 07990: # Lid for outlet W2 (14 catchbasins, 30 m long trench each)
 07991: # Assume 420 m long trench, 1.2m wide, porosity of 0.40 with 250 mm diameter perforated pipe
 07992: # Lid for outlet W3 (14 catchbasins, 30 m long trench each)
 07993: # Assume 420 m long trench, 1.2m wide, porosity of 0.40 with 250 mm diameter perforated pipe
 07994: # Lid for outlet W4 (14 catchbasins, 30 m long trench each)
 07995: # Assume 420 m long trench, 1.2m wide, porosity of 0.40 with 250 mm diameter perforated pipe
 07996: # Lid for outlet W5 (14 catchbasins, 30 m long trench each)
 07997: # Assume 420 m long trench, 1.2m wide, porosity of 0.40 with 250 mm diameter perforated pipe
 07998: # Assume 420 m long trench, 1.2m wide, porosity of 0.40 with 250 mm diameter perforated pipe
 07999: # Assume 420 m long trench, 1.2m wide, porosity of 0.40 with 250 mm diameter perforated pipe
 08000: # Assume 420 m long trench, 1.2m wide, porosity of 0.40 with 250 mm diameter perforated pipe
 08001: CONTINUOUS STANDHYD 5.0 01:W1
 08002: [XIMP= .55;TIME= .66]
 08003: [Pervious area: Iapex= 4.67;SLPF= 2.00;LGF= 40.;MNP= 250;SCP= .0]
 08004: [Impervious area: IAPN= 1.57;SLPF= .50;LGI= 196.;MMI= 013;SCI= .0]
 08005: [iAECLimp= 1.50; iARECper= 6.00]
 08006: [SMIN= 1.39; SMAX= 9.24; SKW = .000]
 08007: # Lid for outlet W1 (14 catchbasins, 30 m long trench each)
 08008: # Assume 420 m long trench, 1.2m wide, porosity of 0.40 with 250 mm diameter perforated pipe
 08009: # Total Volume provided by Lid = 96 m³
 08010: # Soil infiltration rates assumed at 8mm/hr with a safety factor of 2.5
 08011: R0102:CD0001-----
 08012: ROUTE RESERVOIR > 5.0 02:W1 8.56 .621 2002.0627_14:00 299.25 n/a .000
 08013: out <= 5.0 01:W1-LID 97 .001 2002.0412_23:20 299.25 n/a .000
 08014: overlap <= 5.0 03:W1-LID-Out 1.0 .001 2002.0627_14:00 299.25 n/a .000
 08015: [MGSOutd= 9397E-01 m³, TotDrvVol= 1.43E+01 m³, N-Ovfl= 83, TotDrvOvf= 143 hrs]
 08016: R0102:CD0006-----
 08017: CONTINUOUS STANDHYD 5.0 01:W2
 08018: [XIMP= .50;TIME= .60]
 08019: [LOSS= 2 ; CMIN= 71.00]
 08020: [Pervious area: Iapex= 4.67;SLPF= 2.00;LGF= 40.;MNP= 250;SCP= .0]
 08021: [Impervious area: IAPN= 1.57;SLPF= .50;LGI= 238.;MMI= 013;SCI= .0]
 08022: [iAECLimp= 1.50; iARECper= 6.00]
 08023: [SMIN= 1.39; SMAX= 9.24; SKW = .000]
 08024: # Lid for outlet W2 (14 catchbasins, 30 m long trench each)
 08025: # Assume 420 m long trench, 1.2m wide, porosity of 0.40 with 250 mm diameter perforated pipe
 08026: # Total Volume provided by Lid = 96 m³
 08027: # Soil infiltration rates assumed at 8mm/hr with a safety factor of 2.5
 08028: R0102:CD0007-----
 08029: ROUTE RESERVOIR > 5.0 02:W2 8.56 .621 2002.0627_14:00 337.10 n/a .000
 08030: out <= 5.0 01:W2-LID 97 .001 2002.0412_23:20 337.10 n/a .000
 08031: overlap <= 5.0 03:W2-LID-Out 7.08 .851 2002.0627_14:00 280.37 n/a .000
 08032: [MGSOutd= 1.130E-01 m³, TotDrvVol= 1.584E+01 m³, N-Ovfl= 83, TotDrvOvf= 143 hrs]
 08033: R0102:CD0008-----
 08034: CONTINUOUS STANDHYD 5.0 01:W3
 08035: [XIMP= .50;TIME= .76]
 08036: [LOSS= 2 ; CMIN= 71.00]
 08037: [Pervious area: Iapex= 4.67;SLPF= 2.00;LGF= 40.;MNP= 250;SCP= .0]
 08038: [Impervious area: IAPN= 1.57;SLPF= .50;LGI= 259.;MMI= 013;SCI= .0]
 08039: [iAECLimp= 1.50; iARECper= 6.00]
 08040: [SMIN= 1.39; SMAX= 9.24; SKW = .000]
 08041: # Lid for outlet W3 (14 catchbasins, 30 m long trench each)
 08042: # Assume 420 m long trench, 1.2m wide, porosity of 0.40 with 250 mm diameter perforated pipe
 08043: # Total Volume provided by Lid = 96 m³
 08044: # Soil infiltration rates assumed at 8mm/hr with a safety factor of 2.5
 08045: R0102:CD0008-----
 08046: ROUTE RESERVOIR > 5.0 02:W3 8.56 .621 2002.0627_14:00 315.79 n/a .000
 08047: out <= 5.0 01:W3-LID 97 .001 2002.0412_23:20 315.79 n/a .000
 08048: overlap <= 5.0 03:W3-LID-Out 1.0 .001 2002.0627_14:00 315.79 n/a .000
 08049: [MGSOutd= 1.130E-01 m³, TotDrvVol= 1.584E+01 m³, N-Ovfl= 83, TotDrvOvf= 143 hrs]
 08050: R0102:CD0010-----
 08051: CONTINUOUS STANDHYD 5.0 01:W4
 08052: [XIMP= .50;TIME= .67]
 08053: [LOSS= 2 ; CMIN= 71.00]
 08054: [Pervious area: Iapex= 4.67;SLPF= 2.00;LGF= 40.;MNP= 250;SCP= .0]
 08055: [Impervious area: IAPN= 1.57;SLPF= .50;LGI= 259.;MMI= 013;SCI= .0]
 08056: [iAECLimp= 1.50; iARECper= 6.00]
 08057: [SMIN= 1.39; SMAX= 9.24; SKW = .000]
 08058: # Lid for outlet W4 (14 catchbasins, 30 m long trench each)
 08059: # Assume 420 m long trench, 1.2m wide, porosity of 0.40 with 250 mm diameter perforated pipe
 08060: # Total Volume provided by Lid = 96 m³
 08061: # Soil infiltration rates assumed at 8mm/hr with a safety factor of 2.5
 08062: R0102:CD0011-----
 08063: ROUTE RESERVOIR > 5.0 02:W4 8.56 .621 2002.0627_14:00 305.09 n/a .000
 08064: out <= 5.0 01:W4-LID 97 .001 2002.0412_23:20 305.09 n/a .000
 08065: overlap <= 5.0 03:W4-LID-Out 1.0 .001 2002.0627_14:00 305.09 n/a .000
 08066: [MGSOutd= 1.130E-01 m³, TotDrvVol= 1.584E+01 m³, N-Ovfl= 83, TotDrvOvf= 143 hrs]
 08067: R0102:CD0014-----
 08068: CONTINUOUS STANDHYD 5.0 01:W5
 08069: [XIMP= .50;TIME= .67]
 08070: [LOSS= 2 ; CMIN= 71.00]
 08071: [Pervious area: Iapex= 4.67;SLPF= 2.00;LGF= 40.;MNP= 250;SCP= .0]
 08072: [Impervious area: IAPN= 1.57;SLPF= .50;LGI= 203.;MMI= 013;SCI= .0]
 08073: [iAECLimp= 1.50; iARECper= 6.00]
 08074: [SMIN= 1.39; SMAX= 9.24; SKW = .000]
 08075: # Lid for outlet W5 (14 catchbasins, 30 m long trench each)
 08076: # Assume 420 m long trench, 1.2m wide, porosity of 0.40 with 250 mm diameter perforated pipe
 08077: # Total Volume provided by Lid = 96 m³
 08078: # Soil infiltration rates assumed at 8mm/hr with a safety factor of 2.5
 08079: R0102:CD0013-----
 08080: ROUTE RESERVOIR > 5.0 02:W5 8.56 .621 2002.0627_14:00 305.09 n/a .000
 08081: out <= 5.0 01:W5-LID 97 .001 2002.0412_23:20 305.09 n/a .000
 08082: overlap <= 5.0 03:W5-LID-Out 1.0 .001 2002.0627_14:00 305.09 n/a .000
 08083: [MGSOutd= 1.130E-01 m³, TotDrvVol= 1.584E+01 m³, N-Ovfl= 83, TotDrvOvf= 143 hrs]
 08084: R0102:CD0014-----
 08085: CONTINUOUS STANDHYD 5.0 01:W6
 08086: [XIMP= .50;TIME= .67]
 08087: [LOSS= 2 ; CMIN= 71.00]
 08088: [Pervious area: Iapex= 4.67;SLPF= 2.00;LGF= 40.;MNP= 250;SCP= .0]
 08089: [Impervious area: IAPN= 1.57;SLPF= .50;LGI= 203.;MMI= 013;SCI= .0]
 08090: [iAECLimp= 1.50; iARECper= 6.00]
 08091: [SMIN= 1.39; SMAX= 9.24; SKW = .000]
 08092: # Lid for outlet W6 (24 catchbasins, 30 m long trench each)
 08093: # Assume 720 m long trench, 1.2m wide, porosity of 0.40 with 250 mm diameter perforated pipe
 08094: # Total Volume provided by Lid = 165 m³
 08095: # Soil infiltration rates assumed at 8mm/hr with a safety factor of 2.5
 08096: R0102:CD0014-----
 08097: ROUTE RESERVOIR > 5.0 02:W6 8.51 .902 2002.0627_14:00 355.25 n/a .000
 08098: out <= 5.0 01:W6-LID 1.43 .001 2002.0412_23:20 355.25 n/a .000
 08099: overlap <= 5.0 03:W6-LID-Out 1.38 .889 2002.0627_14:00 355.25 n/a .000
 08100: [MGSOutd= 1.650E+01 m³, TotDrvVol= 2.266E+01 m³, N-Ovfl= 94, TotDrvOvf= 141 hrs]
 08101: R0102:CD0015-----
 08102: ADD HYD
 08103: + 5.0 02:INF-W1 8.51 .323 2000.0625_10:00 210.81 n/a .000
 08104: + 5.0 02:INF-W3 10.03 .398 2000.0625_10:00 333.34 n/a .000
 08105: + 5.0 02:INF-W4 10.1 .398 2000.0625_10:00 333.34 n/a .000
 08106: + 5.0 02:INF-W5 6.20 .239 2000.0625_10:00 312.83 n/a .000
 08107: + 5.0 02:INF-W6 1.81 .307 2000.0625_10:00 344.99 n/a .000
 08108: SUM# 5.0 01:INF-W2 46.00 .187 2000.0625_10:00 320.63 n/a .000
 08109: ADD HYD
 08110: + 5.0 02:INF-W1 8.51 .323 2000.0625_10:00 210.81 n/a .000
 08111: + 5.0 02:INF-W3 10.03 .398 2000.0625_10:00 333.34 n/a .000
 08112: + 5.0 02:INF-W4 10.1 .398 2000.0625_10:00 333.34 n/a .000
 08113: + 5.0 02:INF-W5 6.20 .239 2000.0625_10:00 312.83 n/a .000
 08114: + 5.0 02:INF-W6 1.81 .307 2000.0625_10:00 344.99 n/a .000
 08115: SUM# 5.0 01:INF-W2 46.00 .187 2000.0625_10:00 320.63 n/a .000
 08116: ADD HYD
 08117: # Barhaven Conservancy Development Phase 3 (WITHOUT INFILTRATION) - POST DEVELOPMENT CONDITIONS
 08118: #
 08119: R0102:CD0015-----
 08120: ADD HYD
 08121: + 5.0 02:INF-W1 8.51 .323 2000.0625_10:00 210.81 n/a .000
 08122: CONTINUOUS STANDHYD 5.0 01:INF-W5
 08123: [XIMP= .50;TIME= .60]
 08124: [LOSS= 2 ; CMIN= 100.0]
 08125: [Pervious area: Iapex= 4.67;SLPF= 2.00;LGF= 40.;MNP= 250;SCP= .0]
 08126: [Impervious area: IAPN= 1.57;SLPF= .50;LGI= 196.;MMI= 013;SCI= .0]
 08127: [iAECLimp= 1.50; iARECper= 6.00]
 08128: [SMIN= 1.39; SMAX= 9.24; SKW = .000]
 08129: R0102:CD0019-----
 08130: ADD HYD
 08131: + 5.0 02:INF-W1 8.51 .102 2002.0627_14:00 361.44 n/a .655 .000
 08132: CONTINUOUS STANDHYD 5.0 01:INF-W2
 08133: [XIMP= .50;TIME= .60]
 08134: [LOSS= 2 ; CMIN= 100.0]
 08135: [Pervious area: Iapex= 4.67;SLPF= 2.00;LGF= 40.;MNP= 250;SCP= .0]
 08136: [Impervious area: IAPN= 1.57;SLPF= .50;LGI= 260.;MMI= 013;SCI= .0]
 08137: [iAECLimp= 1.50; iARECper= 6.00]
 08138: [SMIN= 1.39; SMAX= 9.24; SKW = .000]
 08139: R0102:CD0019-----
 08140: ADD HYD
 08141: + 5.0 02:INF-W1 8.51 .102 2002.0627_14:00 361.44 n/a .655 .000
 08142: CONTINUOUS STANDHYD 5.0 01:INF-W6
 08143: [XIMP= .66;TIME= .76]
 08144: [LOSS= 2 ; CMIN= 100.0]
 08145: [Pervious area: Iapex= 4.67;SLPF= 2.00;LGF= 40.;MNP= 250;SCP= .0]
 08146: [Impervious area: IAPN= 1.57;SLPF= .50;LGI= 203.;MMI= 013;SCI= .0]
 08147: [iAECLimp= 1.50; iARECper= 6.00]
 08148: [SMIN= 1.39; SMAX= 9.24; SKW = .000]
 08149: R0102:CD0019-----
 08150: ADD HYD
 08151: + 5.0 02:INF-W1 8.51 .102 2002.0627_14:00 361.44 n/a .655 .000
 08152: CONTINUOUS STANDHYD 5.0 01:INF-W6
 08153: [XIMP= .66;TIME= .76]
 08154: [LOSS= 2 ; CMIN= 100.0]
 08155: [Pervious area: Iapex= 4.67;SLPF= 2.00;LGF= 40.;MNP= 250;SCP= .0]
 08156: [Impervious area: IAPN= 1.57;SLPF= .50;LGI= 260.;MMI= 013;SCI= .0]
 08157: [iAECLimp= 1.50; iARECper= 6.00]
 08158: [SMIN= 1.39; SMAX= 9.24; SKW = .000]
 08159: R0102:CD0019-----
 08160: ADD HYD
 08161: + 5.0 02:INF-W1 8.51 .102 2002.0627_14:00 361.44 n/a .655 .000
 08162: CONTINUOUS STANDHYD 5.0 01:INF-W4
 08163: [XIMP= .66;TIME= .76]
 08164: [LOSS= 2 ; CMIN= 100.0]
 08165: [Pervious area: Iapex= 4.67;SLPF= 2.00;LGF= 40.;MNP= 250;SCP= .0]
 08166: [Impervious area: IAPN= 1.57;SLPF= .50;LGI= 203.;MMI= 013;SCI= .0]
 08167: [iAECLimp= 1.50; iARECper= 6.00]
 08168: [SMIN= 1.39; SMAX= 9.24; SKW = .000]
 08169: R0102:CD0019-----
 08170: ADD HYD
 08171: + 5.0 02:INF-W1 8.51 .102 2002.0627_14:00 361.44 n/a .655 .000
 08172: CONTINUOUS STANDHYD 5.0 01:INF-W6
 08173: [XIMP= .66;TIME= .76]
 08174: [LOSS= 2 ; CMIN= 100.0]
 08175: [Pervious area: Iapex= 4.67;SLPF= 2.00;LGF= 40.;MNP= 250;SCP= .0]
 08176: [Impervious area: IAPN= 1.57;SLPF= .50;LGI= 260.;MMI= 013;SCI= .0]
 08177: [iAECLimp= 1.50; iARECper= 6.00]
 08178: [SMIN= 1.39; SMAX= 9.24; SKW = .000]
 08179: R0102:CD0019-----
 08180: ADD HYD
 08181: + 5.0 02:INF-W1 8.51 .102 2002.0627_14:00 361.44 n/a .655 .000
 08182: CONTINUOUS STANDHYD 5.0 01:INF-W2
 08183: [XIMP= .66;TIME= .76]
 08184: [LOSS= 2 ; CMIN= 100.0]
 08185: [Pervious area: Iapex= 4.67;SLPF= 2.00;LGF= 40.;MNP= 250;SCP= .0]
 08186: [Impervious area: IAPN= 1.57;SLPF= .50;LGI= 203.;MMI= 013;SCI= .0]
 08187: [iAECLimp= 1.50; iARECper= 6.00]
 08188: [SMIN= 1.39; SMAX= 9.24; SKW = .000]
 08189: R0102:CD0019-----
 08190: ADD HYD
 08191: + 5.0 02:INF-W1 8.51 .102 2002.0627_14:00 361.44 n/a .655 .000
 08192: CONTINUOUS STANDHYD 5.0 01:INF-W6
 08193: [XIMP= .66;TIME= .76]
 08194: [LOSS= 2 ; CMIN= 100.0]
 08195: [Pervious area: Iapex= 4.67;SLPF= 2.00;LGF= 40.;MNP= 250;SCP= .0]
 08196: [Impervious area: IAPN= 1.57;SLPF= .50;LGI= 260.;MMI= 013;SCI= .0]
 08197: [iAECLimp= 1.50; iARECper= 6.00]
 08198: [SMIN= 1.39; SMAX= 9.24; SKW = .000]
 08199: R0102:CD0019-----
 08200: ADD HYD
 08201: + 5.0 02:INF-W1 8.51 .102 2002.0627_14:00 361.44 n/a .655 .000
 08202: CONTINUOUS STANDHYD 5.0 01:INF-W4
 08203: [XIMP= .66;TIME= .76]
 08204: [LOSS= 2 ; CMIN= 100.0]
 08205: [Pervious area: Iapex= 4.67;SLPF= 2.00;LGF= 40.;MNP= 250;SCP= .0]
 08206: [Impervious area: IAPN= 1.57;SLPF= .50;LGI= 203.;MMI= 013;SCI= .0]
 08207: [iAECLimp= 1.50; iARECper= 6.00]
 08208: [SMIN= 1.39; SMAX= 9.24; SKW = .000]
 08209: R0102:CD0019-----
 08210: ADD HYD
 08211: + 5.0 02:INF-W1 8.51 .102 2002.0627_14:00 361.44 n/a .655 .000
 08212: CONTINUOUS STANDHYD 5.0 01:INF-W6
 08213: [XIMP= .66;TIME= .76]
 08214: [LOSS= 2 ; CMIN= 100.0]
 08215: [Pervious area: Iapex= 4.67;SLPF= 2.00;LGF= 40.;MNP= 250;SCP= .0]
 08216: [Impervious area: IAPN= 1.57;SLPF= .50;LGI= 260.;MMI= 013;SCI= .0]
 08217: [iAECLimp= 1.50; iAREC

08415+ *** WARNING: Missing rainfall increments were set to 0.

08416+ *** WARNING: Requested start date is less than start date in file.

08417+ *** WARNING: READ AQS DATA

08420+ *** WARNING: Requested start date is less than start date in file.

08421+ *** WARNING: Missing rainfall increments were set to 0.

08422+ *** WARNING: Missing rainfall increments were set to 0.

08423+ *** WARNING: Missing rainfall increments were set to 0.

08424+ *** WARNING: Missing rainfall increments were set to 0.

08425+ *** WARNING: Missing rainfall increments were set to 0.

08426+ *** WARNING: Missing rainfall increments were set to 0.

08427+ *** WARNING: Missing rainfall increments were set to 0.

08428+ *** WARNING: Missing rainfall increments were set to 0.

08429+ *** WARNING: Missing rainfall increments were set to 0.

08430+ *** WARNING: Missing rainfall increments were set to 0.

08431+ *** WARNING: Missing rainfall increments were set to 0.

08432+ *** WARNING: Missing rainfall increments were set to 0.

08433+ *** WARNING: Missing rainfall increments were set to 0.

08434+ *** WARNING: Missing rainfall increments were set to 0.

08435+ *** WARNING: Missing rainfall increments were set to 0.

08436+ *** WARNING: Missing rainfall increments were set to 0.

08437+ *** WARNING: Missing rainfall increments were set to 0.

08438+ *** WARNING: Missing rainfall increments were set to 0.

08439+ *** WARNING: Missing rainfall increments were set to 0.

08440+ *** WARNING: Missing rainfall increments were set to 0.

08441+ *** WARNING: CONTINUOUS RAINFALL DATA

08442+ FINISH

08443+ **** WARNINGS / ERRORS / NOTES

08444+ **** READ AQS DATA

08445+ *** WARNING: Requested start date is less than start date in file.

08446+ *** WARNING: Missing rainfall increments were set to 0.

08447+ *** WARNING: Missing rainfall increments were set to 0.

08448+ *** WARNING: Missing rainfall increments were set to 0.

08449+ *** WARNING: Missing rainfall increments were set to 0.

08450+ *** WARNING: Missing rainfall increments were set to 0.

08451+ *** WARNING: Missing rainfall increments were set to 0.

08452+ *** WARNING: Missing rainfall increments were set to 0.

08453+ *** WARNING: Missing rainfall increments were set to 0.

08454+ *** WARNING: Missing rainfall increments were set to 0.

08455+ *** WARNING: Missing rainfall increments were set to 0.

08456+ *** WARNING: Missing rainfall increments were set to 0.

08457+ *** WARNING: Missing rainfall increments were set to 0.

08458+ *** WARNING: Missing rainfall increments were set to 0.

08459+ *** WARNING: Missing rainfall increments were set to 0.

08460+ *** WARNING: Missing rainfall increments were set to 0.

08461+ *** WARNING: Missing rainfall increments were set to 0.

08462+ *** WARNING: Requested start date is less than start date in file.

08463+ *** WARNING: Missing rainfall increments were set to 0.

08464+ *** WARNING: Requested start date is less than start date in file.

08465+ *** WARNING: Missing rainfall increments were set to 0.

08466+ *** WARNING: Simulation ended on 2024-03-14 at 20:59:26

08467+ **** READ AQS DATA

08468+ **** READ AQS DATA



Ottawa. ON
Paris. ON
Gatineau. QC
Montréal. QC
Québec. QC

Attachment B

Water Budget Results

Table B1: BCD West - Pre Development Water Budget

Year	Total Rainfall		Evaporation		Runoff		Infiltration	
	(mm)	(m ³)	(mm)	(m ³)	(mm)	(m ³)	(mm)	(m ³)
1967	386.9	187,337	229.3	111,037	65.9	31,914	91.7	44,387
1968	592.8	287,034	382.3	185,124	71.2	34,465	139.3	67,444
1969	570.3	276,139	378.9	183,439	58.3	28,214	133.2	64,486
1970	558.9	270,619	380.2	184,107	55.5	26,888	123.1	59,624
1971	522.1	252,801	378.6	183,304	41.8	20,249	101.7	49,248
1972	784.3	379,758	478.9	231,859	127.3	61,648	178.1	86,251
1973	744.9	360,681	469.3	227,221	93.8	45,413	181.8	88,047
1974	386.2	186,998	290.8	140,781	25.3	12,265	70.1	33,952
1975	535.5	259,289	361.0	174,801	56.4	27,309	118.1	57,179
1976	493.2	238,807	356.1	172,399	38.8	18,782	98.4	47,626
1977	677.8	328,191	448.3	217,086	74.1	35,894	155.3	75,211
1978	641.4	310,566	426.9	206,690	56.6	27,415	157.9	76,460
1979	866.5	419,559	494.4	239,393	147.9	71,603	224.2	108,562
1980	622	301,172	419.0	202,885	61.5	29,778	141.5	68,509
1981	936.4	453,405	555.7	269,070	185.9	90,008	194.8	94,327
1982	596.1	288,632	413.7	200,333	49.7	24,055	132.7	64,244
1983	587.5	284,468	414.5	200,706	54.4	26,326	118.6	57,436
1984	459.4	222,441	291.7	141,241	52.5	25,396	115.3	55,804
1985	559.9	271,104	347.4	168,211	55.3	26,796	157.2	76,097
1986	849.4	411,279	509.1	246,487	152.7	73,918	187.7	90,875
1987	640.1	309,936	445.0	215,484	71.6	34,683	123.4	59,770
1988	643.8	311,728	434.9	210,583	69.8	33,802	139.1	67,343
1989	523.2	253,333	363.5	175,997	43.7	21,140	116.1	56,196
1990	727.8	352,401	477.1	230,992	89.2	43,195	161.5	78,213
1991	556	269,215	396.2	191,826	48.5	23,484	111.3	53,906
1992	732.8	354,822	466.6	225,923	99.1	47,970	167.1	80,929
1993	721.3	349,253	509.6	246,763	65.8	31,860	145.9	70,630
1994	540.2	261,565	357.7	173,213	62.7	30,369	119.8	57,983
1995	538.5	260,742	254.9	123,403	163.8	79,322	119.8	58,017
1996	512.2	248,007	354.7	171,755	49.0	23,711	108.5	52,541
1997	433.2	209,755	304.7	147,512	29.5	14,294	99.0	47,950
1998	440.3	213,193	313.0	151,550	34.5	16,681	92.9	44,963
1999	424.4	205,494	293.0	141,856	35.3	17,112	96.1	46,527
2000	535.9	259,483	363.9	176,196	59.0	28,587	113.0	54,700
2002	551.5	267,036	307.6	148,945	107.2	51,926	136.7	66,166
2003	554.6	268,537	349.9	169,431	79.7	38,610	124.9	60,496
Minimum	386.2	186,998	229.3	111,037	25.3	12,265	70.1	33,952
Maximum	936.4	453,405	555.7	269,070	185.9	90,008	224.2	108,562
Average	595.8	288,466	389.4	188,545	73.1	35,419	133.2	64,503
Percentage	100.0%	100.0%	65.4%	65.4%	12.3%	12.3%	22.4%	22.4%

Table B2: BCD West - Post Development Water Budget - Without LIDs

Year	Total Rainfall		Evaporation		Runoff		Infiltration	
	(mm)	(m ³)	(mm)	(m ³)	(mm)	(m ³)	(mm)	(m ³)
1967	386.9	187,337	127.4	61,692	215.6	104,398	43.9	21,247
1968	592.8	287,034	219.4	106,248	304.2	147,284	69.2	33,502
1969	570.3	276,139	225.4	109,134	278.4	134,811	66.5	32,194
1970	558.9	270,619	222.8	107,889	272.8	132,109	63.2	30,621
1971	522.1	252,801	225.0	108,950	242.9	117,602	54.2	26,248
1972	784.3	379,758	268.8	130,172	428.3	207,388	87.2	42,198
1973	744.9	360,681	275.1	133,179	380.5	184,248	89.3	43,254
1974	386.2	186,998	175.9	85,147	172.0	83,297	38.3	18,555
1975	535.5	259,289	205.1	99,329	268.9	130,216	61.4	29,744
1976	493.2	238,807	215.5	104,321	225.9	109,381	51.9	25,106
1977	677.8	328,191	253.5	122,745	345.0	167,034	79.3	38,412
1978	641.4	310,566	234.9	113,748	326.2	157,936	80.3	38,881
1979	866.5	419,559	274.7	133,005	484.4	234,527	107.5	52,027
1980	622	301,172	234.8	113,695	314.6	152,329	72.6	35,148
1981	936.4	453,405	317.0	153,501	523.3	253,372	96.1	46,532
1982	596.1	288,632	227.6	110,185	299.0	144,766	69.6	33,681
1983	587.5	284,468	236.1	114,310	288.5	139,692	62.9	30,466
1984	459.4	222,441	161.3	78,097	240.7	116,542	57.4	27,803
1985	559.9	271,104	187.2	90,623	295.2	142,936	77.5	37,545
1986	849.4	411,279	283.0	137,024	474.6	229,806	91.8	44,450
1987	640.1	309,936	259.9	125,853	315.2	152,639	64.9	31,444
1988	643.8	311,728	257.9	124,870	316.4	153,182	69.6	33,676
1989	523.2	253,333	211.6	102,462	251.8	121,922	59.8	28,950
1990	727.8	352,401	279.8	135,474	367.3	177,847	80.7	39,080
1991	556	269,215	226.4	109,628	271.1	131,262	58.5	28,326
1992	732.8	354,822	269.4	130,434	380.1	184,030	83.4	40,358
1993	721.3	349,253	290.6	140,684	354.7	171,760	76.0	36,809
1994	540.2	261,565	204.4	98,975	274.2	132,768	61.6	29,822
1995	538.5	260,742	141.5	68,509	341.7	165,437	55.3	26,796
1996	512.2	248,007	202.6	98,113	253.4	122,716	56.1	27,178
1997	433.2	209,755	168.5	81,588	212.0	102,631	52.7	25,537
1998	440.3	213,193	183.8	88,977	208.0	100,699	48.6	23,518
1999	424.4	205,494	162.9	78,881	210.7	102,031	50.8	24,583
2000	535.9	259,483	215.3	104,234	263.9	127,776	56.7	27,474
2002	551.5	267,036	168.5	81,588	317.0	153,487	66.0	31,962
2003	554.6	268,537	203.0	98,278	291.2	140,999	60.4	29,260
Minimum	386.2	186,998	127.4	61,692	172.0	83,297	38.3	18,555
Maximum	936.4	453,405	317.0	153,501	523.3	253,372	107.5	52,027
Average	595.8	288,466	222.7	107,821	305.8	148,079	67.3	32,566
Percentage	100.0%	100.0%	37.4%	37.4%	51.3%	51.3%	11.3%	11.3%

Table B3: BCD West - Post Development Water Budget - With LIDs

Year	Total Rainfall		Evaporation		Runoff		Infiltration	
	(mm)	(m ³)	(mm)	(m ³)	(mm)	(m ³)	(mm)	(m ³)
1967	386.9	187,337	127.4	61,692	173.4	83,976	86.1	41,669
1968	592.8	287,034	219.4	106,248	224.2	108,535	149.2	72,251
1969	570.3	276,139	225.4	109,134	205.3	99,405	139.6	67,600
1970	558.9	270,619	222.8	107,889	201.5	97,552	134.6	65,178
1971	522.1	252,801	225.0	108,950	169.4	82,039	127.7	61,812
1972	784.3	379,758	268.8	130,172	340.6	164,939	174.8	84,647
1973	744.9	360,681	275.1	133,179	296.4	143,506	173.5	83,995
1974	386.2	186,998	175.9	85,147	114.5	55,464	95.8	46,388
1975	535.5	259,289	205.1	99,329	201.3	97,471	129.1	62,490
1976	493.2	238,807	215.5	104,321	158.8	76,911	118.9	57,576
1977	677.8	328,191	253.5	122,745	256.0	123,959	168.3	81,487
1978	641.4	310,566	234.9	113,748	242.3	117,327	164.2	79,490
1979	866.5	419,559	274.7	133,005	392.7	190,122	199.2	96,433
1980	622	301,172	234.8	113,695	234.6	113,590	152.6	73,887
1981	936.4	453,405	317.0	153,501	416.5	201,653	202.9	98,250
1982	596.1	288,632	227.6	110,185	214.9	104,077	153.6	74,370
1983	587.5	284,468	236.1	114,310	205.7	99,606	145.7	70,551
1984	459.4	222,441	161.3	78,097	185.6	89,888	112.5	54,457
1985	559.9	271,104	187.2	90,623	228.1	110,438	144.7	70,043
1986	849.4	411,279	283.0	137,024	378.4	183,238	188.0	91,018
1987	640.1	309,936	259.9	125,853	230.1	111,409	150.1	72,674
1988	643.8	311,728	257.9	124,870	230.8	111,777	155.1	75,081
1989	523.2	253,333	211.6	102,462	182.1	88,171	129.5	62,701
1990	727.8	352,401	279.8	135,474	276.0	133,661	172.0	83,265
1991	556	269,215	226.4	109,628	187.1	90,609	142.5	68,978
1992	732.8	354,822	269.4	130,434	287.5	139,184	176.0	85,204
1993	721.3	349,253	290.6	140,684	250.1	121,118	180.6	87,451
1994	540.2	261,565	204.4	98,975	207.2	100,310	128.6	62,280
1995	538.5	260,742	141.5	68,509	289.7	140,254	107.3	51,978
1996	512.2	248,007	202.6	98,113	184.6	89,400	124.9	60,494
1997	433.2	209,755	168.5	81,588	150.0	72,643	114.7	55,525
1998	440.3	213,193	183.8	88,977	150.6	72,931	105.9	51,285
1999	424.4	205,494	162.9	78,881	160.3	77,611	101.2	49,003
2000	535.9	259,483	215.3	104,234	198.4	96,061	122.2	59,188
2002	551.5	267,036	168.5	81,588	260.9	126,328	122.1	59,121
2003	554.6	268,537	203.0	98,278	220.2	106,630	131.4	63,630
Minimum	386.2	186,998	127.4	61,692	114.5	55,464	86.1	41,669
Maximum	936.4	453,405	317.0	153,501	416.5	201,653	202.9	98,250
Average	595.8	288,466	222.7	107,821	230.7	111,716	142.4	68,929
Percentage	100.0%	100.0%	37.4%	37.4%	38.7%	38.7%	23.9%	23.9%

Table B4 - LID Infiltration Summary

LID	Area (ha)	Average Annual LID Infiltration Volume (m³/Yr)	Average Annual LID Infiltration Volume (mm/Yr)
W1	5.76	3,893	68
W2	8.51	5,365	63
W3	10.03	8,117	81
W4	10.11	7,650	76
W5	6.20	4,509	73
W6	7.81	6,826	87
Total/Average	48.42	36,361	75